Self Assessment Report (SAR)

For

NBA Accreditation of Undergraduate Engineering Programs (Tier-II)

KODADA INSTITUTE OF TECHNOLOGY AND SCIENCE FOR WOMEN

Program: Computer Science and Engineering

(Undergraduate 4 Year B.Tech Degree)

Submitted to

NATIONAL BOARD OF ACCREDITATION

New Delhi, India

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KODADA INSTITUTE OF TECHNOLOGY & SCIENCE FOR WOMEN

Computer Science & Engineering.

Part A: Institutional Information

1. Name and Address of the Institution

KODADA INSTITUTE OF TECHNOLOGY & SCIENCE FOR WOMEN,

KODADA INSTITUTE OF TECHNOLOGY & SCIENCE FOR WOMEN, NEAR RANGANI GUDI, ANANTHGIRI ROAD, KODADA - 508206 NALGONDA DT, TELANGANA.

2. Name and Address of Affiliating University

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY, HYDERABAD

3. Year of establishment of the Institution:

2008

4. Type of the Institution:

☐ University	☐ Autonomous
☐ Deemed University	☑ **Affiliated**
☐ Government Aided	

5. Ownership Status:

☐ Central Government	☐ Trust
☐ State Government	☐ Society
☐ Government Aided	☐ Section 25 Company
☑ **Self financing**	☐ Any Other(Please Specify)

6. Other Academic Institutions of the Trust/Society/Company etc., if any:

Name of Institutions	Year of Establishment	Programs of Study	Location
NILL	NILL	NILL	NILL

7. Details of all the programs being offered by the institution under consideration

Name of Program	Program Applied level	Start of year	Year of AICTE approval	Initial Intake	Intake Increase	Current Intake	Accreditation status	From	To	Program for consideration	Program for Duration
B.TECH COMPUTER SCIENCE AND ENGINEERING	UG	2008	2008	90	Yes	60	Not accredited (specify visit dates, year)	18/01/2019	20/01/2019	Yes	4
M.TECH CSE	PG	2013	2013	18	Yes	36	Eligible but not applied	--	--	No	2

Sanctioned Intake for Last Five Years for the B.TECH COMPUTER SCIENCE AND ENGINEERING	
Academic Year	**Sanctioned Intake**
2020-2021	60
2019-20	60
2018-19	60
2017-18	60
2016-17	60
2015-16	60
2014-15	120

Sanctioned Intake for Last Five Years for the M.TECH CSE	
Academic Year	**Sanctioned Intake**
2020-2021	36
2019-20	36
2018-19	36
2017-18	36
2016-17	36
2015-16	36
2014-15	36

8.Programs to be considered for Accreditation vide this application:

S No	Level	Discipline	Program
1	Under Graduate	Engineering & Technology	Computer Science & Engg.

9.Total number of employees in the institution:

A.Regular* Employees (Faculty and Staff):

Items	2020-21		2019-20		2018-19		2017-18	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Engineering (Male)	43	43	43	43	58	58	64	64
Faculty in Engineering (Female)	44	44	44	44	57	57	41	41
Faculty in Maths, Science & Humanities (Male)	17	17	17	17	21	21	25	25
Faculty in Maths, Science & Humanities (FeMale)	6	6	6	6	4	4	5	5
Non-teaching staff (Male)	8	8	8	8	7	7	8	8
Non-teaching staff (FeMale)	4	4	4	4	3	3	3	3

B.Contractual* Employees (Faculty and Staff):

Items	2020-21		2019-20		2018-19		2017-18	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Engineering (Male)	0	0	0	0	0	0	0	0
Faculty in Engineering (Female)	0	0	0	0	0	0	0	0
Faculty in Maths, Science & Humanities (Male)	0	0	0	0	0	0	0	0
Faculty in Maths, Science & Humanities (FeMale)	0	0	0	0	0	0	0	0
Non-teaching staff (Male)	0	0	0	0	0	0	0	0
Non-teaching staff (FeMale)	0	0	0	0	0	0	0	0

10.Total number of Engineering Students:

Engineering and Technology- UG	☑ **Shift1**	☐ Shift2
Engineering and Technology- PG	☑ **Shift1**	☐ Shift2
Engineering and Technology- Polytechnic	☐ Shift1	☐ Shift2
MBA	☐ Shift1	☐ Shift2
MCA	☐ Shift1	☐ Shift2

Engineering and Technology- UG Shift-1

Items	2020-21	2019-20	2018-19	2017-18
Total no. of Boys	0	0	0	0
Total no. of Girls	341	397	373	330
Total	**341**	**397**	**373**	**330**

Engineering and Technology- PG Shift-1

Items	2020-21	2019-20	2018-19	2017-18
Total no. of Boys	0	0	0	0
Total no. of Girls	0	18	35	0
Total	**0**	**18**	**35**	**0**

11.Vision of the Institution:

Institution Vision
We envision developing an ideal educational institution that caters the dreams of prospective rural women engineers who wish to take up greater challenges in technical arena.

12. Mission of the Institution:

Institution Mission	
MD #	**Statement** **The aspirations are fulfilled and continue to fulfill:**
M1	To make apparent the latent talent in rural women
M2	To provide rural women with conducive atmosphere for them to grow in engineering education
M3	To enrich their academics and soft skills
M4	To equip them with sets of employable skills
M5	To finally mould them into man making and nation building human resources

13. Contact Information of the Head of the Institution and NBA coordinator, if designated:

Head of the Institution	
Name	Dr.D Vijaya Kumar
Designation	Principal
Mobile No.	9573826231
Email ID	kits4women@rediffmail.com

☑ NBA Coordinator, If Designated

Name	Dr.B.Naresh Reddy
Designation	Assistant Professor
Mobile No.	9866136192
Email ID	naresh433@gmail.com

CRITERION 1	Vision,Mission and Program Educational Objectives	60

1.VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES (60)

1.1.Vision and Mission of the Department and Institution (5)

1.1.1.Vision of the Institution

Institution Vision
We envision developing an ideal educational institution that caters the dreams of prospective rural women engineers who wish to take up greater challenges in technical arena.

1.1.1.Mission of the Institution

Institution Mission	
MD #	**Statement** **The aspirations are fulfilled and continue to fulfill:**
M1	To make apparent the latent talent in rural women
M2	To provide rural women with conducive atmosphere for them to grow in engineering education
M3	To enrich their academics and soft skills
M4	To equip them with sets of employable skills
M5	To finally mould them into man making and nation building human resources

1.1.1.Vision of the Department

Department Vision
The Department envisions extending Computer Science and Engineering education that enhances confidence, competence and commitment in the course seeking rural girl students.

1.1.1.Mission of the Department

Department Mission	
MD #	**Statements**
MD1	Providing quality education employing evolving and effective teaching techniques and methods.
MD2	Providing infrastructure that inspires in both teachers and the taught innovation & research
MD3	Motivating faculty and students to aim at achieving admirable professional skills in computing that impact industry and individuals

1.2.State the Program Educational Objectives (PEOs)(5)

PEO #	Statement
PEO1	Graduates of program will have complete command over all key principles of hardware and software areas.
PEO2	Graduates of program will develop skills to identify a real life situation, analyze the problem, formulate a solution and help industry and individuals overcome issues.
PEO3	Graduates of program will cultivate professional skills, develop soft skills and be ready with complete skill set demanded by industry or higher learning centers.

1.3.Indicate where the Vision, Mission and PEOs are published and disseminated among stakeholders (10)

The vision, Mission and PEOs are disseminated to the stake holders of the institution.

The Stakeholders are:

1.3.1. Stake Holders of KITS COLLEGE, KODAD

The institution has two different types of stake holders such as internal and external stakeholders shown in fig: 1.3.1

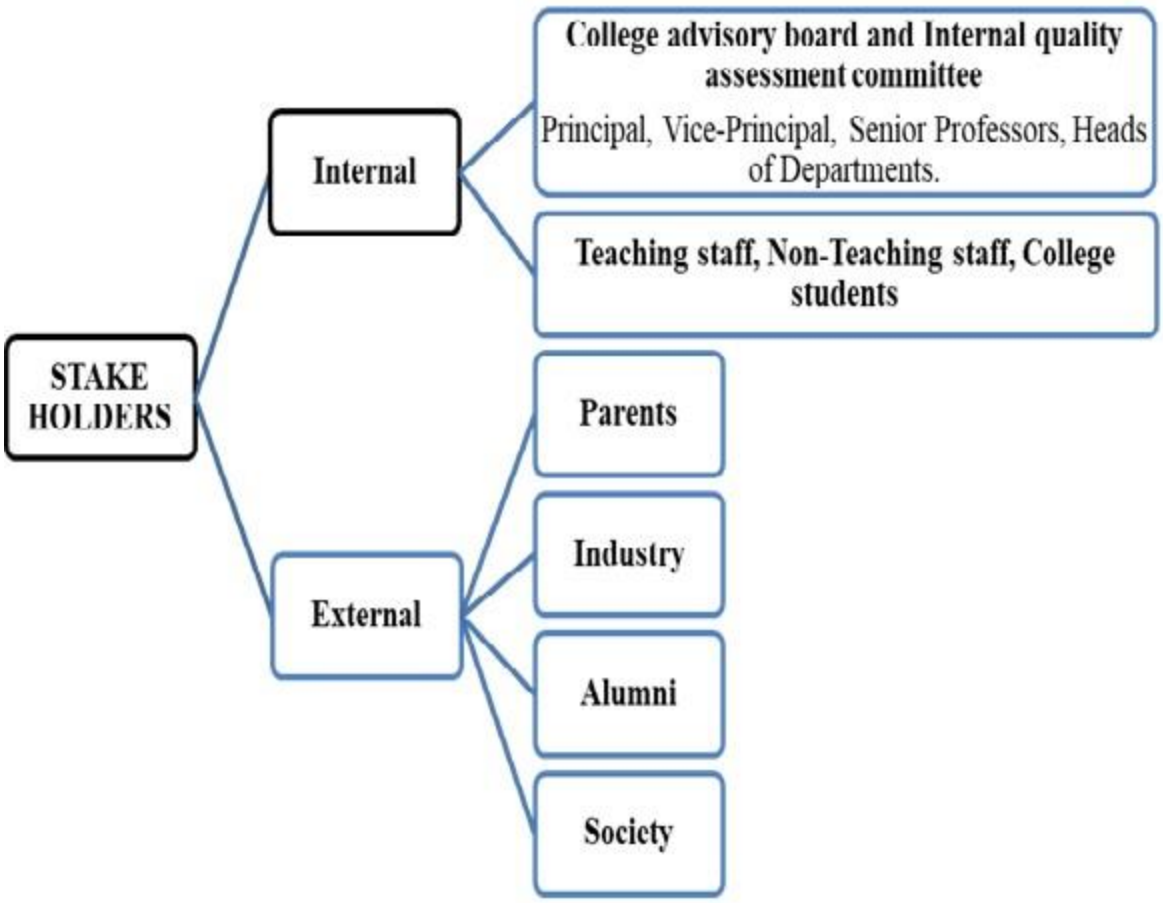


Fig : 1.3.1 Types of Stake Holders

1.3.2. Process of Dissemination of Vision, Mission and PEOs

The feedback of all the stakeholders is essential to validate the Program Educational Objectives. Hence, the stakeholders are made aware of vision and mission of the institution along with vision, mission and PEO's of the department through various publishing and dissemination methodologies as illustrated in the Fig. B.1.3.2.1.

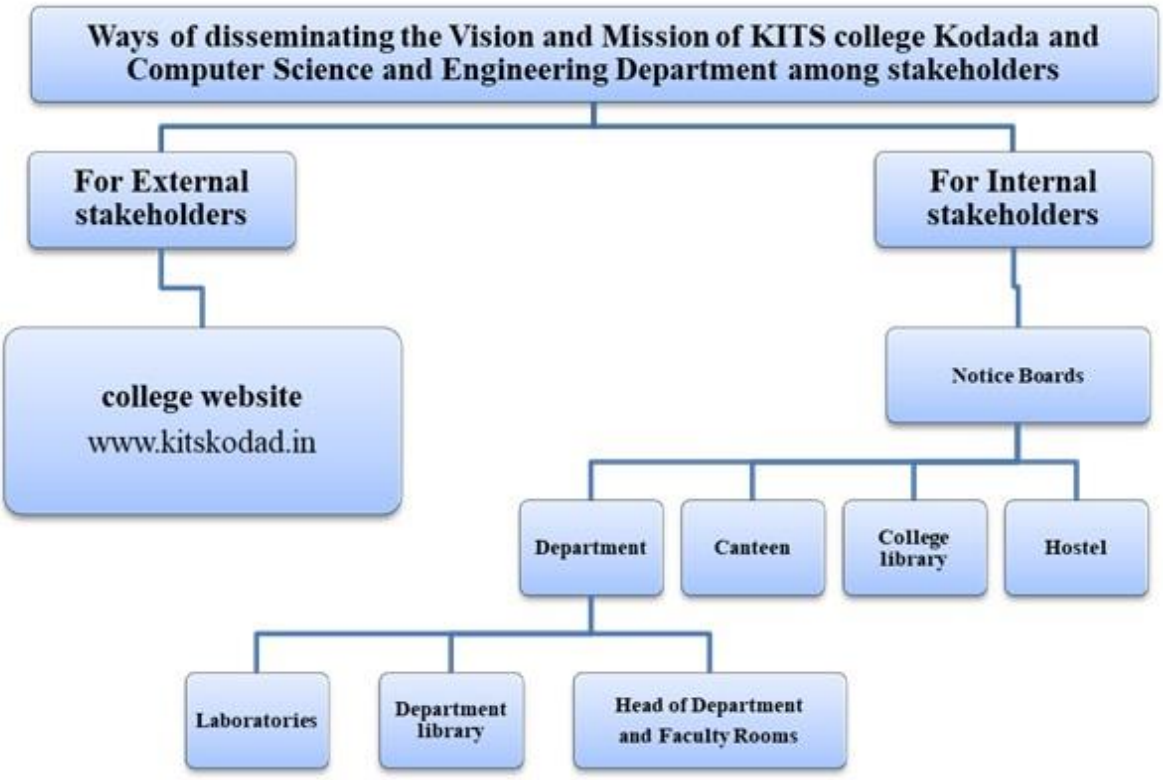


Fig. B.1.3.2.1. Ways of publishing and disseminating the Vision, Mission and PEO's

The Vision, Mission and PEOs of the department are published at:

- College Website – www.kitskodad.in
- HOD's Chamber
- Faculty Rooms
- Laboratories
- Corridors of the Department
- Department Library.

The following platforms are used to disseminate the Vision, Mission and PEOs of the department among Stake holders in order to educate them and to get their support in reaching out the goals.

a) College Academic Committee/College Advisory Board Meetings – Principal along with Vice Principal, HODs and other members.
b) Induction Program / Orientation Program – Students and Parents.
c) Parent Teacher Meeting – Parents.
d) Campus Recruitment Drives – Employers.
e) Alumni Meet – Alumni.
f) Workshops/seminars

a) **College Academic committee/College Advisory Board Meetings – Principal along with Vice Principal, HODsand other members –** Committee ratifies the Vision, Mission statements of institution, department and later PEOs of each program and reviews the progress in successive meetings.
b) **Induction Program (Fresher's)** - ***Students and Parents*:** The head of the institution along with Vice Principal will introduce the principles, objectives and culture of the institution. The head of the department will introduce the department through Vision, Mission and PEOs.
c) **Parent-Teacher Meeting** – The head of the institution, vice principal, head of the department and the concerned faculty members will address the activities initiated in the institute/department to achieve the objectives. Vision, mission and PEO's are shared among the parents. Future course of action will be discussed.
d) **Campus Recruitment Drives** – The Vision and Mission of the institute & department and PEO's are shared among the employers.
e) **Alumni Meet –** During the Alumni meet, the opinions and suggestions from the alumnae are collected and considered to improve the attainment.
f) **Workshops/Seminars-** Participants from various colleges will participate in the workshops and seminars. Resource persons are invited from renowned institutes and industries. During these seminars and workshops Vision, Mission of Institute & Department and PEO's are shared.

1.4. State the process for defining the Vision and Mission of the Department, and PEOs of the program(25)

(*Articulate the process for defining the Vision and Mission of the department and PEOs of the program)*

Vision statement of the department is relatively broad and is in line with the vision of the institute. Mission statements of the department are the immediate actionable statements that are aimed to achieve the Program Educational Objectives, while keeping in view the broad vision of the department. Both the vision and mission statements are defined after a rigorous process of discussion and brainstorming at various levels. The Correlation between PEOs and PO/PSO a key for validation of mission of the department is done by Program Outcome Assessment Committee (POAC) of the department. The Department Advisory Board (DAB) plays a key role in the defining of the statements. The final draft is put up to the Internal Quality Assessment Cell (IQAC) of the institution for further discussion and approval. The constitution and functions of the various committees

concerned are detailed below:

1. PROGRAM OUTCOME ASSESSMENT COMMITTEE (POAC)	
Features	Details
Functions	Continuous Assessment of the program by reviewing various inputs received from COACs, and evaluation of PEOs, POs and PSOs for improvement.
Members	Senior Professor, Head of the Department
Aspects to be Reviewed/ considered	Feedback/Survey reports from external stakeholders such as Alumni, Industry, Parents of Students and internal stakeholders such as employees, faculty, students etc. to recommend on the issues related to : • Infra structure and Lab facilities • ***Evaluation of PEOs, POs and PSOs for improvement.*** • Curricular gaps (pre-requisite gaps, course gaps, program gaps) and action plans • PO attainments, their deficiencies, and corrective measures • Faculty Development Programs (FDP) • Student achievements • Strengths and weaknesses of the program
Minutes Sent to	Department Advisory Board
Meeting Frequency	Once in a Semester

2.DEPARTMENT ADVISORY BOARD (DAB)	
Features	Details
Functions	This is a core committee of the department constituted to help the decision making process of the matters pertain to department with respect to: ➢ Academics ➢ Infrastructure ➢ Facilities ➢ Student support Systems ➢ ***Short and long range goals including Vision, Mission and PEOs.*** Based on the inputs received from POAC, and has the additional job of: ✓ Revision/Refining of the statements: COs, PSOs, PEOs, Vision and Mission if necessary. ✓ Evaluation of curricular gaps. ✓ Faculty Development Programs.
Members	Chaired by Head of the Department with Senior Faculty from

	major specializations and program coordinators and any other members as necessary.	
Aspects to be Reviewed/ considered	Committee Decisions on the issues pertain to:	Committee Recommendations to IQAC on the issues pertain to:
	• Curricular gaps (pre-requisite gaps, course gaps, program gaps) and action plans • CO/PO attainments, their deficiencies, and corrective measures • Approval of PSO statements • Review of student feedback	• Student achievements • Strengths and weaknesses of the program • Modifications in PEOs/Vision/Mission statement • Review of survey reports of internal/external stakeholders and corrective measures • Infra structure and Lab facilities • Budget proposals. • Research proposals, faculty requirements. • Faculty Development Programs (FDP)
Minutes Sent to	Internal Quality Assessment Committee (IQAC) of the institution	
Meeting Frequency	Twice in Academic Year	

3.INTERNAL QUALITY ASSESSMENT COMMITTEE (IQAC)		
Features	Details	
Functions	Continuous Assessment of all the programs by reviewing various inputs received from DABs, and approval of PEOs for the improvement.	
Members	Chaired by Head of the Institution along with Vice Principal, HODs with Senior Faculty from major specializations and any other members as necessary.	
Aspects to be Reviewed/ considered	Committee Decisions on the issues pertain to:	Committee recommendations to CAB on the issues pertain to:
	• PO attainments, their deficiencies, and corrective measures • Suggestions in Vision/Mission statement	• Infra structure and Lab facilities • Budget proposals • Research proposals, faculty requirements

	• Approval of PEO statements • Strengths and weaknesses of the program • Review of survey reports of internal/external stakeholders and corrective measures	• Faculty Development Programs (FDP)
Minutes Sent to	**College Advisory Board (CAB)**	
Meeting Frequency	Once in a Semester	

1.4.1. Process for defining the Vision and Mission of the Department

Vision statement of the department is relatively broad and is in line with the vision of the institute. Mission statements of the department are the path ways that are aimed to achieve the Program Educational Objectives, while keeping in view the broad vision of the department. Both the vision and mission statements are defined after a rigorous process of discussion and brainstorming at various levels.

Process of defining vision and mission of the department:

The department defined the vision and mission through a consultative process involving the stakeholders of the department. The vision and mission of the department are ascertained by the following steps:

1. The Department committee conducts SWOT Analysis by collecting inputs from all the department stakeholders.
2. Vision and Mission of the University and Institute are taken as the base by the Department Advisory Board (DAB) for framing draft copy of department Vision and Mission.
3. The Views of stakeholders namely: Students, Staff, Alumni, Employers, Parents and Academic peers are considered to review and refine the draft copy of Vision and Mission.
4. The DAB reviews the Vision and Mission and forwards it to the Internal Quality Assessment Committee (IQAC) for ratification.
5. The Vision and Mission of the department will be published upon ratification of Internal Quality Assessment Committee (IQAC), otherwise considered for revision.

The process is described in the following figure Fig B.1.4.1:

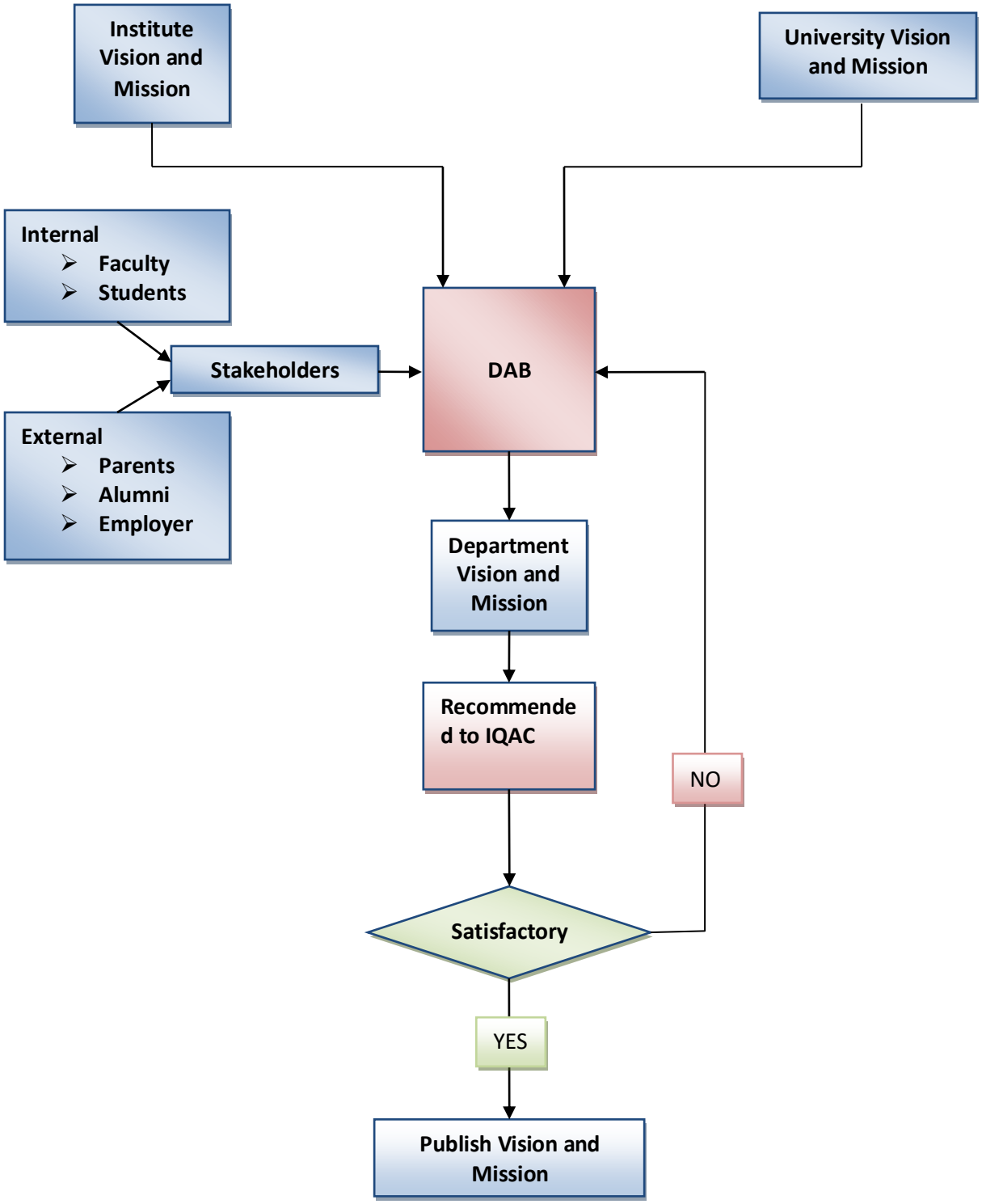


Fig B.1.4.1: Process for defining department vision and mission

1.4.2.Process for defining PEOs of the program

Program educational objectives are broad statements that describe the career and professional accomplishments that the program is preparing its graduates to achieve. PEO's are the key statements defining the aim of the program that state the skills the students graduating through the program acquire or are prepared to acquire to become able practitioners or leaders in the profession, or to contribute to research towards development of state-of-the-art technologies within a few years after graduation. Thus PEOs are the broad statements that would help to design the curriculum ensuring that the requisite components are embedded in the syllabus and instructional process, while also focusing on Program Outcomes. PEO's are defined after a rigorous process of discussion and brainstorming at various levels.

The department defined the PEO's through a consultative process involving the various stakeholders of the department. The following steps are taken by Department Advisory Board in defining PEOs of the department:

1. Institute Vision & Mission and Department Vision & Mission are taken as the base.
2. Define PEOs by considering inputs from various stakeholders, discussion with Program Outcome Assessment Committee and other committee members.
3. The DAB reviews the PEOs and forwards it to the Internal Quality Assessment Committee (IQAC) for ratification.
4. The PEOs of the department will be published upon ratification of the Internal Quality Assessment Committee (IQAC), otherwise considered for revision.

The process is described in the following figure Fig. B.1.4.2:

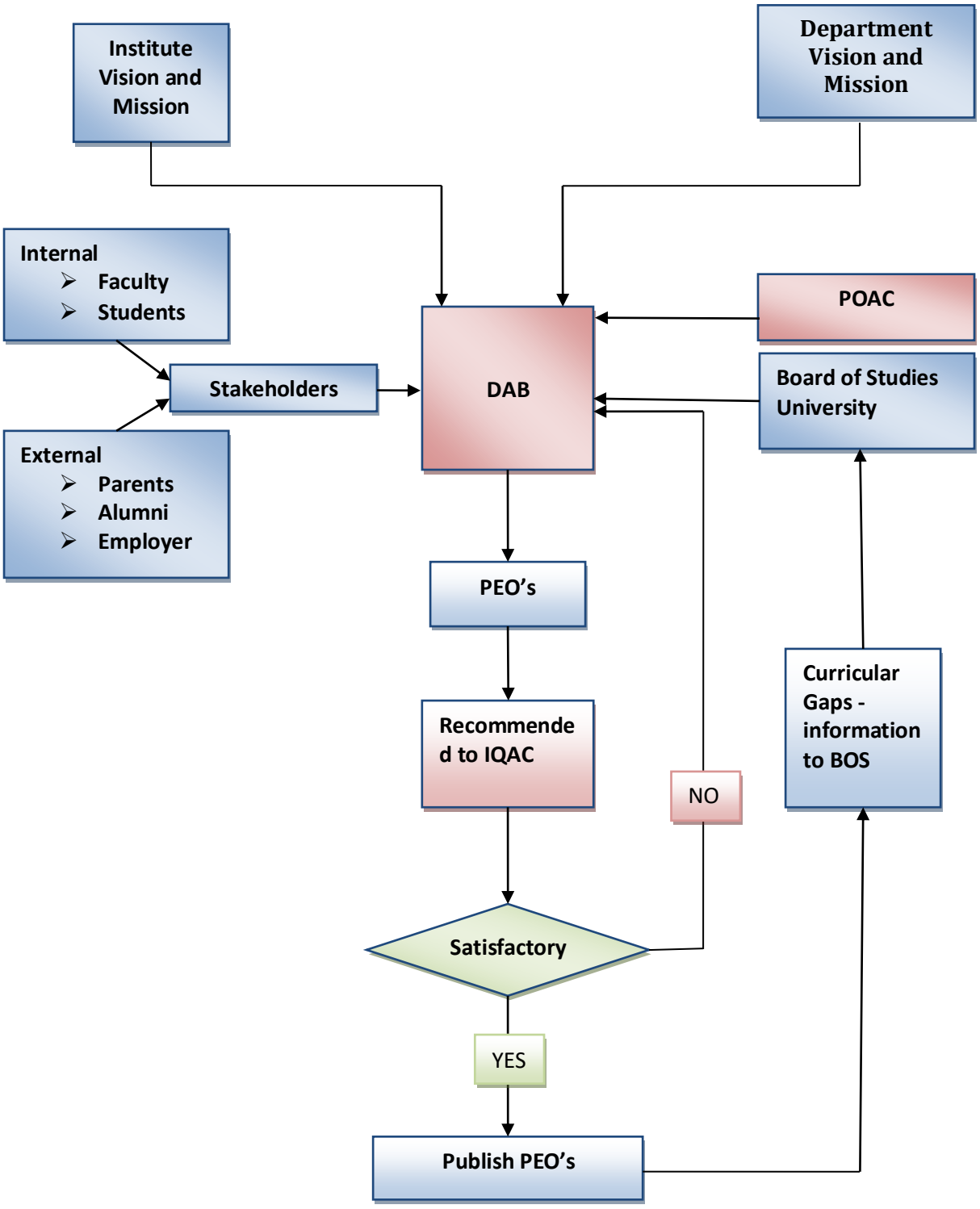


Fig B.1.4.2: Process for defining Program Educational Objectives

1.5. Consistency of PEOs with Mission of the Department(15)

Consistency of defied PEOs with Mission of the department is evaluated and presented in Table B.1.5.1.

Note:M1,M2….Mn are distinct elements of Mission statement.Enter correlation levels 1,2or3 as defined below:

1:Slight(Low)2:Moderate(Medium)3:Substantial(High)

If there is no correlation put"-"

PEO# /M#		Mission		
		MD1	**MD2**	**MD3**
Program Educational Objectives	**PEO-1**	3	3	3
	PEO-2	3	2	2
	PEO-3	3	2	3

PEO		Mission	Consistency with Mission of the Department	Description of PEOs and their relevance to the Mission statements
PEO1	Graduates of program will have complete command over all key principles of hardware and software areas	Providing quality education employing evolving and effective teaching techniques and methods	Strongly maps with mission statement 1	➢ The Innovative Teaching Learning Practices adopted by the faculty helps students to assimilate key principles and practices of computing techniques.
		Providing infrastructure that inspires	Strongly maps with mission statement 2	➢ Sophisticated laboratory. ➢ Usage of modern

		in both teachers and the taught innovation & research		tools are available in the laboratory ➢ Advanced learning facilities in 24/7 laboratory as well as in the library. ➢ Learn by doing process.
		Motivating faculty and students to aim at achieving admirable professional skills in computing that impact industry and individuals.	Strongly maps with mission statement 2	➢ Faculty with research orientation helps students to solve real world problems and quality teaching shall make the graduate a versatile professional engineer.
PEO2	Graduates of program will develop skills to identify a real life situation, analyze the problem, formulate a solution and help industry and individuals overcome issues.	Providing quality education employing evolving and effective teaching techniques and methods	Strongly maps with mission statement 1	➢ Quality of assignment work by giving higher order skill questions. ➢ Highly experienced and qualified faculty prepares student to work individually or as a leader. ➢ Teaching by practicing.
		Providing infrastructure that inspires in both teachers and the taught	Moderately maps with mission statement 2	➢ Mini and major projects are done in house by using internal infrastructure on cutting edge

		innovation & research		technologies. ➢ Location is an obstacle for physical interaction with the industry. ➢ Adequate infrastructure available as per university curriculum.
		Motivating faculty and students to aim at achieving admirable professional skills in computing that impact industry and individuals.	Moderately maps with mission statement 3	➢ Guiding and mentoring the students in line to research scholars work, who are working in their respective domain. ➢ To make student as a competent professional engineer with good knowledge shall develop inherent ethics for helping human society with technology. ➢ Majority of students are from rural background whose focus is on employability skills.
PEO3	Graduates of program will cultivate professional skills, develop soft skills and be ready with complete skill set	Providing quality education employing evolving and effective teaching techniques and methods	Strongly maps with mission statement 1	➢ The knowledge, experienceand innovative teaching learning practices of qualified faculty enables to achieve their goals.
		Providing infrastructure	Moderately maps with	➢ The faculties with research

	demanded by industry or higher learning centers	that inspires in both teachers and the taught innovation & research	mission statement 2	orientation and state-of-the-art infrastructure inspire the students for the lifelong learning.
		Motivating faculty and students to aim at achieving admirable professional skills in computing that impact industry and individuals.	Strongly maps with mission statement 3	➢ The motivated student with attitude of lifelong learning can be useful to society development. ➢ The symposiums organized by the students are good platforms for exhibiting and enhancing student innovative ideas and creative thinking.

Table. B. 1.5.1.Consistency of PEO's with Mission of the Department

CRITERION2	PROGRAM CURRICULUM AND TEACHING–LEARNING PROCESSES	120

2.1 PROGRAM CURRICULUM (20M)

This section gives details of program curriculum of **4-Year B.Tech Computer Science and Engineering (CSE)** and explains learning process and practices of this department program.

Graduate engineering programs are spread over a period of four year learning cycle, which have been logically divided into components that facilitate designing of courses to build up the knowledge base and experimental skills of students in a systematic manner. Learning over the four years are distributed to create a clear and logical progression from building up foundations, creating core competency in the chosen domain and progression to advanced topics in the domain. Care has been taken to intersperse the advancement in the chosen field with courses from other disciplines that are relevant and necessary to provide breadth and enable and encourage a multi-disciplinary approach to engineering solutions. Language and communication skills are learnt simultaneously and management courses are interleaved with other learning schema to create a tapestry that leads to attainment of definitive program outcomes and also provides avenues for further development.

ABOUT UNIVERSITY CURRICULUM:

"Versatility" is the word that can be used for defining the subjects and its contents of the curriculum of this undergraduate program. With the knowledge skills acquired, the graduates of this program are becoming the versatile professionals can scatter in real world by positioning themselves in the different fields of Computer Science and Engineering. An effective program curriculum is provided by the parent university as

evident that, while designing the curriculum for the program it conducts:

- BOS
- meetings
- Industry-Institute interaction meetings
- Institutional review meetings
- Studies: needs of the industries and society

ROLE OF DEPARTMENTAL COMMITTEES

Two committees in coordination to each other are working at the department level to study the university curriculum for gaps in conjunction with PO/PSO attainments.

With respect to the program curriculum:

- The Departmental Committees evaluates the curriculum given by the JNTUH for attainment of Program Outcomes (POs).
- Obtaining feedback from campus recruiters (about students performance), the departmental committees designs the Program Specific Outcomes (PSOs).

The functions of the departmental committees are described below:

1.COURSE OUTCOME ASSESSMENT COMMITTEE (COAC)	
Features	**Details**
Functions	This committee reviews COs, CO-PO mapping, curriculum gaps, course exit survey, and suggests steps for improvement
Members	Course Experts from various courses chaired by Senior Professor/Head of the Department.
Aspects to be Reviewed/ considered	• Course outcomes in all courses, • Result analysis, • CO attainment, • Curricular gaps, • Suggestions from Faculty, if any

	• Suggestions from students, if any • Action plans for improvement and corrective measures
Frequency of Meeting	Thrice in a semester
Minutes Sent to	Program Outcome Assessment Committee

2. PROGRAM OUTCOME ASSESSMENT COMMITTEE (POAC)	
Features	**Details**
Functions	Continuous Assessment of the program by reviewing various inputs received from COACs, and evaluation of PEOs, POs and PSOs for improvement.
Members	Head of the Department/Senior Professor and Senior Faculty Members
Aspects to be Reviewed/ considered	Feedback/Survey reports from external stakeholders such as Alumni, Industry, Parents of Students and internal stakeholders such as employees, faculty, and students etc. to recommend on the issues related to Infrastructure and Lab facilities. Evaluation of POs, PSOs and PEOs forImprovement.Curriculargaps(prerequisitegaps,coursegaps,programgaps)and action plans • PO attainments, their deficiencies, and corrective measures • Faculty Development Programs(FDP) • Student achievements • Strengths and weaknesses of the program
Frequency of Meeting	Once in a semester
Minutes Sent to	Department Advisory Board

3.DEPARTMENT ADVISORY BOARD (DAB)	
Features	**Details**
Functions	This is a core committee of the department constituted to help the decision making process of the matters pertain to department
Members	Head of the Department , Senior faculty members, Alumni and Parents
Aspects to be Reviewed/ considered	• Academics • Infrastructure • Facilities • Evaluation of curricular gaps. • Development Programs • Revision/Refining of the statements: COs, PSOs, PEOs, Vision and Mission if necessary.
Frequency of Meeting	Once in a semester
Minutes Sent to	Internal Quality Assessment Committee

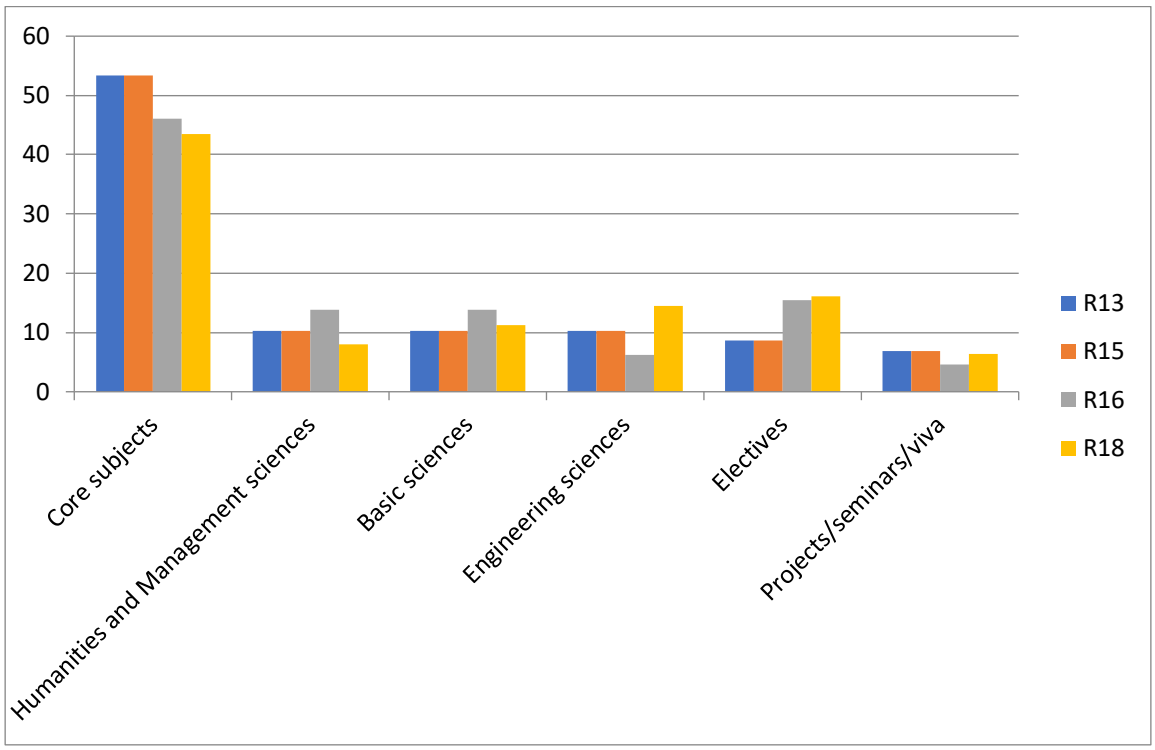
STUDY OF VERSATILITY IN UNIVERSITY CURRICULUM:

The COAC committee studies the university curriculum for its versatility and adaptability in respect of vision of the department. For the assessment years 2017-18, 18-19, 19-20 and 20-21, the curriculum is spanned in four regulations R13, R15, R16 and R18.

Academic Year/ B.Tech Year	Curriculum provided Regulation# for			
	CAYm2 2017-18	CAYm1 2018-19	CAY 2019-20	AY 2020-21
IV	R13	R15	R16	R16
III	R15	R16	R16	R18
II	R16	R16	R18	R18
I	R16	R18	R18	R18

The university curriculum in four regulations that spread in four years is classified as:

	% of Courses offered to Graduates				
S. No	**TITLE OF THE SUBJECT**	**R13**	**R15**	**R16**	**R18**
1	Core subjects	53.44	53.44	46.15	43.54
2	Humanities and Management sciences	10.34	10.34	13.84	08.06
3	Basic sciences	10.34	10.34	13.84	11.29
4	Engineering sciences	10.34	10.34	6.15	14.51
5	Electives	8.62	8.62	15.38	16.13
6	Project /Seminar/ viva	6.88	6.88	4.6	06.45



Contribution of curriculum for R13, R15, R16 & R18 Regulation

OBJECTIVE OF THE DEPARTMENT TO PREPARE GRADUATES FOR DIFFERENT DOMAINS:

The program aims to give required skills to graduates to place themselves in different sectors. The Department has the objective of placing its graduates in all the sectors classified into 4- domains as:

Domain	Classification	Targeted Sector
D1	**Computing Engineer**- The curriculum is designed in such a manner that, the student must be able to be placed in ITSector.	Engineers in IT Sector.
D2	**On-stream Engineer**- The curriculum is designed in such a manner that, the student must be able to be placed in any industry.	Engineers in Industry.
D3	**Organized Engineer-** The curriculum is designed in such a manner that, the student must be able to be placed in industry with managerial skills. Able to work as an individual or team member, with soft skills, goodcommunication skills, ethical values as a professional.	As an employee/ Manager in industry.
D4	**Perpetual Engineer-** The curriculum is designed in such a manner that, the student must be able to continue theresearch with life-long learning ability.	Engineers in Research & Development.

PROGRAM CURRICULUM REQUIREMENTS FOR DIFFERENT DOMAINS:

Apart from the knowledge acquired through core subjects (70%), the program curriculum includes other relevant subjects to facilitate graduates to be placed in any domain

Domain Engineer	Domain#	Apart from the core subjects other subjects included in program Curriculum
Computing Engineer	D1	Basic sciences, Mathematics and communication skills
On-stream Engineer	D2	Open Electives: Multidisciplinary/Interdisciplinary courses
Organized Engineer	D3	The courses related to communication skills and Management.
Perpetual Engineer	D4	Professional Electives: The courses related to the Latest technology enhancements meeting the needs of the industry.

2.1.1 State the process used to identify extent of compliance of the University curriculum for attaining the Program outcomes and specific Outcomes as mentioned in Annexure I. Also mention the identified curricular gaps if any (10)

a) Process used to identify compliance of the university curriculum for attaining Pos & PSOs

The program curriculum offered to the graduate should ensure that, at the end of 4- year program all the POs as well as the Program Specific Outcomes (PSOs) have to be attained by the department. Developing a successful outcome-based curriculum involves aligning teaching and assessment methods with the intended learning outcomes of the program.Curriculummappingtoprogramoutcomesand Programspecificoutcomesprovides a means to examine the extent to which these outcomes are being addressed and assessed in the curriculum**.** This mapping can also be used to identify gaps in the curriculum, as well as how these gaps can be addressed.

The **PROGRAM OUTCOME ASSESSMENT COMMITTEE** should understand the curriculum designed for its:

- Strengths for successful building of professional career of student.
- Gaps that have a detrimental effect on student's opportunity to learn.

Strengths and gaps are used to identify the extent of compliance of the curriculum for attaining the

Program Outcomes and Program Specific Outcomes through collecting following feedbacks.

i. Feedback from Students– Graduate Exit Survey

The Graduate Survey form questionnaire about the program is prepared by the program coordinator for the students. This serves as a feedback at end of the program to gauge the degree of attainment of POs and PSOs.

ii. Feedback from alumni

Questionnaires prepared by the program coordinator and are given to the alumni. It will be done once in every year for the attainment of POs and PSOs.

iii. Feedback from the employers

The Survey questionnaire to employer is prepared by the program coordinator and is given to the recruiters during recruitment process. Their feedback is analyzed to gauge the degree of attainment of program outcomes.

iv. Feedback from parents

The Program coordinator will collect the feedback from parents about their experience and also their wards opinion on the program.

The vision, mission and PEOs of the department can be seen in Criteria-1 of this SAR. The PSOs of the department finalized by committees are given below:

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1: Computing techniques: Apply the Knowledge about principle of programming languages, computer Algorithms, databases, system software and computer network for the interconnection

PSO2: Computer Product and Application Development: Interpret and analyze the Problem, formulate an efficient hardware and software solution for the real world. Socio-industry related problems and needs using computing methodologies and latest technologies

PSO3: Successful Career and Entrepreneurship Perspectives: Fulfilling desire by attaining employment, excel in competitive examinations, higher studies, research and initiate Startup's

b. List the curricular gaps for the attainment of defined POs &PSOs

The Curriculum for the program is designed to meet the POs and PSOs through PEOs. The extent of compliance of the university curriculum for attaining POs and PSOs is done in three stages.

i. Stage-1: Mapping of PEOs with POs and PSOs.
ii. Stage-2: Mapping of COs with POs and PSOs.
iii. Stage-3: Identification of Curriculum Gaps.

Stage-1: Mapping of PEOs with POs and PSOs

Mapping of PEOs with mission statements of the program indicate the accomplishment the Vision of the department through the *Mission* Statements. Mapping of Mission statements with PEOs along with justification is presented in Criteria-1.

PEO STATEMENTS	DM1	DM2	DM3
PEO 1: Graduates of program will have complete command over all key principles of hardware and software areas	3	3	3
PEO 2: Graduates of program will develop skills to identify a real life situation, analyze the problem, formulate a solution and help industry and individuals overcome issues	3	2	2
PEO 3: Graduates of program will cultivate professional skills, develop soft skills and be ready with complete skill set demanded by industry or higher learning centers.	3	2	3

The PEOs of the department were designed to prepare the graduates to possess the ability to opt as an engineer in the chosen domain.

Graduate wishes to become as a	Domain#	PEO # relevance
Computing Engineer	D1	PEO-1
On-stream Engineer	D2	PEO-2
Organized Engineer	D3	PEO-2, PEO-3
Perpetual Engineer	D 4	PEO-1,PEO-2, PEO-3

The Department Committee had broadly mapped the POs and PSOs to the following domains. Mapping of PEOs with POs and PSOs of the program indicate the suitability of the curriculum with the overall prerequisite to accomplish the vision of the department. Below Table leads to a certain extent the compliance of the curriculum to achieve the vision through set of mission statements.

Graduate wishes to become as a	Domain#	PEO # relevance	Skills required in accordance to PO#	Skills required in accordance to PSO#
Computing Engineer	D 1	PEO-1	1,2,3,4,5,6,7,8,9,10,11, 12	1,2
On-stream Engineer	D 2	PEO-2	1, 2,5, 6, 8, 9, 10,11	1,3
Organized Engineer	D 3	PEO-2, PEO-3	1,2,6, 8, 9, 10, 11	1,2
Perpetual Engineer	D 4	PEO-1, PEO-2, PEO-3	1,2,3,4,5,6,7,8,9,10,11, 12	1,2,3

PEO#	PO#												PSO#		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
1	√	√	√	√	√	√	√	√	√	√	√	√	√	√	
2	√	√			√	√		√	√	√	√			√	√
3	√	√	√	√	√								√	√	√

Stage-2: Mapping of COs with POs and PSOs.

As stated by NBA, attainment of Program Outcomes (POs) by the program is the evident that the graduate of the program has acquired knowledge skills and attitude. With these, the graduates can copeup with all the challenges as an engineer of a particular domain (society engineer, on stream engineer, organized engineer or as a perpetual engineer).

The curriculum of this program aims for enriching knowledge to graduates in different domains.

Note: If curriculum gap does not exists, then skip Stage-3

The Program Outcome Assessment Committee had made an extensive study to understand the relevance of every course prescribed for graduate by the university with respect to domains (Pos and PSOs related to domain).The study results are furnished in the following tables

Note: Value under a particular course indicates corresponding POs are attained by offering the course.

Also value under particular PSO# indicates corresponding PSO# is attained by offering the course.

The conclusions are:

MAPPING OF CURRICULUM WITH POs & PSOs

R13 REGULATION

COURSE CODE	COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C101	C101	English	-	-	-	3	-	-	-	-	-	3	-	-	-	-
C102	C102	Mathematics – I	2.25	2.5	2.5	-	-	-	-	-	-	-	-	-	2.75	2.5
C103	C103	Mathematical Methods	2.5	1.83	0.33	1.67	1.67	-	-	-	0.33	1.66	0.83	0.17	2	2.8
C104	C104	Engineering Physics	3	2	2	2	-	-	-	-	-	-	-	-	2.33	3
C105	C105	Engineering Chemistry	2.33	2.17	2.33	1	-	-	2	-	-	-	-	2.5	-	-
C106	C106	Computer Programming	2.17	2	2.17	2.2	2.4	3	-	-	2.5	2.5	2	2.33	2.2	2.5
C107	C107	Engineering Drawing	2.4	2.33	-	-	3	3	-	2.33	-	2.5	-	2	-	-
C108	C108	Computer Programming Lab.	2.5	2.2	2.5	2.33	2.2	2.5	-	-	-	-	-	2.5	2	2.25
C109	C109	Engineering Physics / Engineering Chemistry Lab	1.5	1.33	1.16	1.5	0.83	0.66	0.66	-	0.5	1.16		1.16	1	-
C110	C110	English Language Communication Skills Lab	-	-	-	-	-	-	-	-	3	3	-	2	-	-

C111	C111	IT Workshop / Engineering Workshop	2.8	2	-	-	-	2	2	-	-	3	2	2	2.5	2
C211	C211	Probability and Statistics	2.67	2.5	2.33	-	-	-	-	-	-	-	-	2.5	-	-
C212	C212	Mathematical Foundations of Computer Science	3	3	3	2.16	2	-	-	-	-	-	-	1.83	2	2.8
C213	C213	Data Structures	3	3	3	3	-	-	-	2	2	-	2	2	3	3
C214	C214	Digital Logic Design	2.2	2	1	1.6	1.16	-	-	-	-	-	-	1	3	2
C215	C215	Electronic Devices and Circuits	2.83	2.5	2.2	2.25	2.2	-	-	-	-	-	-	-	2.5	2.67
C216	C216	Basic Electrical Engineering	2.2	2	2.5	-	-	2	2	2	2.5	2	2.5	2.5	2.4	2.5
C217	C217	Electrical and Electronics Lab	3	2.67	2.5	2	-	-	-	-	2	-	-	2	-	-
C218	C218	Data Structures Lab	3	3	3	3	3		2	2	3		2	2	3	3
C221	C221	Computer Organization	2	2.25	3	-	-	-	-	-	-	-	-	-	2.5	2.67
C222	C222	Database Management Systems	3	3	3	3	3	2	2	2.33	2	1.83	2.5	1.5	3	3
C223	C223	Java Programming	2	3	3	2	3	-	2		3	3	2	3	3	3

C224	C224	Environmental studies	-	-	2.17		3	-	3	2	-	-	-	2	-	2
C225	C225	Formal Languages and Automata Theory	1	1	1	2.16	-	-	-	-	-	-	-	-	2	2.8
C226	C226	Design and Analysis of Algorithms	3	3	3	2.67	3	-	-	-	2	2.17	2.17	3	3	3
C227	C227	Java Programming Lab	3	3	2.17	2.17	-	-	-	-	2.17	2	2.17	2	3	2.17
C228	C228	Database Management Systems Lab	3	3	3	3	2			2	-	-	2	2	3	3
C311	C311	Principles of Programming Languages	1	1	-	-	-	-	-	-	1	1	2	3	2	1.5
C312	C312	Disaster Management	-	-	2	-	-	-	2	-	-	-	-	-	-	-
C313	C313	Software Engineering	2.8	2.5	2.6	2.25	2.2	-	-	1.5	2	2.25	2.75	3	2	3
C314	C314	Compiler Design	2.33	2.28	2.5	2.33	-	-	-	-	2	1	1	2	3	2
C315	C315	Operating Systems	3	2.66	2	2.5	-	-	-	-	2	-	-	3	3	2
C316	C316	Computer Networks	1.16	2	2.5	1	1.66	-	-	-	2	1.5	1.5	1.83	1.66	2.33
C317	C317	Operating Systems Lab	3	3	3	3	2	-	-	-	2	-	2	3	3	2

C318	C318	Compiler Design Lab	2.33	2.83	3	2.33	2	-	-	-	2	-	2.16	2	3	2.16
C321	C321	Distributed Systems	1.83	2.75	3	-	-	-	-	-	3	2	-	-	2	2
C322	C322	Information Security	2.16	2.16	2	1.33	-	-	-	-	-	-	2	2	2	2
C323	C323	Object Oriented Analysis and Design	2	3	3	3	3	-	-	-	2	2	3	2	0.83	3
C324	C324	Software Testing Methodologies	2	2	2.5	2	-	-	-	2	3	2	3	1	2	3
C325	C325	Managerial Economics and Financial Analysis	-	-	-	-	-	-	-	-	2	2	2.8	3	-	-
C326	C326	Web Technologies	3	3	3	3	3	-	-	-	2	2	3	2	3	3
C327	C327	Case Tools and Web Technologies Lab	2.33	2	2.33	2	3	-	-	-	3	2	2.33	2	2	3
C328	C328	Advanced Communication Skills Lab	-	-	-	-	-	2	3	2	2	3	-	-	1.66	2.16
C411	C411	Linux Programming	2.16	-	-	2	2.3	-	-	-	-	-	-	2	2	3
C412	C412	Design Patterns	1.66	2	3	2	-	-	-	-	3	2.5	1	1	2	2

C413	C413	Data Warehousing and Data Mining	2.5	2.83		3	3	-	-	-	2	2	3	1.83	3	3
C414	C414	Cloud Computing	2	2	2.66	3	-	-	-	3	3	2	2	-	3	2
C415	C415	Software Project Management	2.5	2.66	2.5	1.5	2	-	-	1.5	2.16	2.5	2.66	2	2.16	2.5
C416	C416	Information Retrieval Systems	2.5	2.5	1.83	1.83	2	-	-	-	-	3	1.8	-	2	2.66
C417	C417	Linux Programming Lab	2	2	2		2	-	-	-	-	-	2	2	2	2
C418	C418	Data Warehousing and Mining Lab	2	2	3	2.25	3	-	-	-	2	2.5	-	2	3	3
C421	C421	Management Science	-	-	-	-	-	-	-	-	2.33	2.5	3	3	1.66	-
C422	C422	Semantic Web and Social Networks	3	3	3	-	-	3	-	-	-	-	2.33	2.5	2	3
C423	C423	Embedded Systems	2.5	2.33	2.33	2.5	1.67	-	-	-	-	1.75	2	1.83	2.17	2.33
C424	C424	Industry Oriented Mini Project	2	2.5	3	2.5	2	-	-	3		3	-	3	1	2
C425	C425	Seminar	2	3	-	-	-	-	-	-	2.5	3	-	3	1	2

C426	C426	Project Work	3	3	3	3	3	3	2	3	3	3	3	3	2	2
C427	C427	Comprehensive Viva	3	3	3	-	-	-	-	2	3	3	-	3	2	-

R15 REGULATION

COURSE CODE	COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C101	English	-	-	-	3	-	-	-	-	-	3	-	-	-	-	-
C102	Mathematics – I	2.25	2.5	2.5	-	-	-	-	-	-	-	-	-	2.75	2.5	-
C103	Mathematical Methods	2.5	1.83	0.33	1.67	1.67	-	-	-	0.33	1.33	0.83	0.17	2	2.8	2
C104	Engineering Physics	3	2	2	2	-	-	-	-	-	-	-	-	2.33	3	-
C105	Engineering Chemistry	2.33	2.17	2.33	1	-	-	2	-	-	-	-	2.5	-	-	-
C106	Computer Programming	2.17	2	2.17	2.2	2.4	3	-	-	2.5	2.5	2	2.33	2.2	2.5	2
C107	Engineering Drawing	2.4	2.33	-	-	3	3	-	2.33	-	2.5	-	2	-	-	-
C108	Computer Programming Lab.	2.5	2.2	2.5	2.33	2.2	2.5	-	-	-	-	-	2.5	2	2.25	2.25
C109	Engineering Physics / Engineering Chemistry Lab	1.5	1.33	1.16	1.5	0.83	1	0.66		0.5	1.16	-	1.16	1	-	-

C110	English Language Communication Skills Lab	-	-	-	-	-	-	-	-	3	3	-	2	-	-	-
C111	IT Workshop / Engineering Workshop	2.8	2	-	-	-	2	2	-	-	3	2	2	2.5	2	-
C211	Probability and Statistics	2.67	2.5	2.33	-	-	-	-	-	-	-	-	2.5	-	-	2
C212	Mathematical Foundations of Computer Science	3	3	3	2.16	2	-	-	-	-	-	-	1.83	2	2.8	2
C213	Data Structures	3	3	3	3	-	-	-	2	2		2	2	3	3	3
C214	Digital Logic Design	2.2	2	1	1.6	1.16	-	-	-	-	-	-	1	3	2	3
C215	Electronic Devices and Circuits	2.83	2.5	2.2	2.25	2.2	-	-	-	-	-	-	-	2.5	2.67	2.83
C216	Basic Electrical Engineering	2.2	2	2.5	-	-	2	2	2	2.5	2	2.5	2.5	2.4	2.5	2.5
C217	Electrical and Electronics Lab	3	2.67	2.5	2	-	-	-	-	-	-	-	2	-	-	-
C218	Data Structures Lab	3	3	3	3	3	-	2	2	3	-	2	2	3	3	3
C221	Computer Organization	2	2.25	3	-	-	-	-	-	-	-	-	-	2.5	2.67	-
C222	Database Management Systems	3	3	3	3	3	-	-	2.33	2	1.83	2.5	1.5	3	3	3

C223	Java Programming	2	3	3	2	3	-	2	-	3	3	2	3	3	3	2
C224	Environmental studies	-	-	2.17		3	-	3	2	-	-	-	2	-	2	-
C225	Formal Languages and Automata Theory	1	1	1	2.16	2	-	-	-	-	-	-	-	2	2.8	2
C226	Design and Analysis of Algorithms	3	3	3	2.67	3	-	-	-	2	2.17	2.17	3	3	3	3
C227	Java Programming Lab	3	3	2.17	2.17	-	-	-	-	2.17	2	2.17	2	3	2.17	3
C228	Database Management Systems Lab	3	3	3	3	2	-	-	2	-	-	2	2	3	3	2
C311	Principles of Programming Languages	1	1	-	-	-	-	-	-	1	1	2	3	2	1.5	1.5
C312	Disaster Management	-	-	2	-	-	-	2	-	-	-	-	-	-	-	-
C313	Software Engineering	2.8	2.5	2.6	2.25	2.2	-	-	1.5	2	2.25	2.75	3	2	3	3
C314	Compiler Design	2.33	2.28	2.5	2.33	-	-	-	-	2	1	1	2	3	2	1.83
C315	Operating Systems	3	2.66	2	2.5	-	-	-	-	2	-	-	3	3	2	2
C316	Computer Networks	1.16	2	2.5	1	1.66	-	-	-	2	1.5	1.5	1.83	1.66	2.33	1.83

C317	Operating Systems Lab	3	3	3	3	2	-	-	-	2	-	2	3	3	2	2
C318	Compiler Design Lab	2.33	2.83	3	2.33	2	-	-	-	2		2.16	2	3	2.16	2.16
C321	Distributed Systems	1.83	2.75	3	-	-	-	-	-	3	2	-	-	2	2	3
C322	Information Security	2.16	2.16	2	1.33	-	-	-	-	-	-	2	2	2	2	2
C323	Object Oriented Analysis and Design	2	3	3	3	3	-	-	-	2	2	3	2	0.83	3	0.83
C324	Software Testing Methodologies	2	2	2.5	2	-	-	-	2	3	2	3	1	2	3	2
C325	Managerial Economics and Financial Analysis	-	-	-	-	-	-	-	-	2	2	2.8	3	-	-	-
C326	Web Technologies	3	3	3	3	3	-	-	-	2	2	3	2	3	3	2
C327	Case Tools and Web Technologies Lab	2.33	2	2.33	2	3	-	-	-	3	2	2.33	2	2	3	3
C328	Advanced Communication Skills Lab	-	-	-	-	-	2	3	2	2	3	-	-	1.66	2.16	3
C411	Linux Programming	2.16			2	2.3	-	-	-	-	-	-	2	2	3	2

C412	Design Patterns	1.66	2	3	2	-	-	-	-	3	2.5	1	1	2	2	2
C413	Data Warehousing and Data Mining	2.5	2.83	-	3	3	-	-	-	2	2	3	1.83	3	3	3
C414	Cloud Computing	2	2	2.66	3	-	-	-	3	3	2	2		3	2	1.66
C415	Software Project Management	2.5	2.66	2.5	1.5	2	-	-	1.5	2.16	2.5	2.66	2	2.16	2.5	2.83
C416	Information Retrieval Systems	2.5	2.5	1.83	1.83	2	-	-	-	-	3	1.8	-	2	2.66	3
C417	Linux Programming Lab	2	2	2	-	2	-	-	-	-	-	2	2	2	2	1.66
C418	Data Warehousing and Mining Lab	2	2	3	2.25	3	-	-	-	2	2.5	-	2	3	3	2.5
C421	Management Science	-	-	-	-	-	-	-	-	2.33	2.5	3	3	1.66	-	-
C422	Semantic Web and Social Networks	3	3	3	-	-	3	-	-	-	-	2.33	2.5	2	3	1
C423	Storage Area Networks	-	2.3	3	2	2	-	2.5	-	-	2	2	2.6	2.5	2.83	3
C424	Industry Oriented Mini Project	2	2.5	3	2.5	2	-	-	3	-	3	-	3	1	2	2

C425	Seminar	2	3	-	-	-	-	-	-	2.5	3	-	3	1	2	-
C426	Project Work	3	3	3	3	3	3	2	3	3	3	3	3	2	2	2
C427	Comprehensive Viva	3	3	3	-	-	-	-	2	3	3	-	3	2	-	-

R16 REGULATION

COURSE CODE	COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C111	Mathematics-I	2.25	2.5	2.5	-	-	-	-	-	-	-	-	-	2.75	2.5	
C112	Engineering Chemistry	2.33	2.17	2.33	1	-	-	2	-	-	-	-	-	-	-	-
C113	Engineering Physics-I	3	2	2	2	-	-	-	-	-	-	-	-	2.33	3	
C114	Professional Communication in English	-	-	-	3	-	-	-	-	-	3	-	-	-	-	-
C115	Engineering Mechanics	2.8	2	-	-	-	2	-	-	-	3	-	2	-	-	-
C116	Basic Electrical and Electronics Engineering	2.2	2	2.5	-	-	2	-	-	2.5	-	2.5	2.5	-	-	-

C117	English Language Communication Skills Lab	-	-	-	-	-	-	-	-	3	3	-	2	-	-	-
C118	Engineering Workshop	2.8	2	-	-	-	-	2	-	-	3	-	2	-	-	-
C121	Engineering Physics-II	2.5	2.17	3	-	-	-	-	-	-	-	-	-	2.25	2	-
C122	Mathematics-II	2.5	3	2.67	-	-	-	-	-	-	-	-	-	2.33	2.5	-
C123	Mathematics-III	2.5	2.33	2.33	-	-	-	-	-	-	-	-	-	2.67	3	-
C124	Computer Programming in C	2.17	2	2.17	2.2	2.4	-	-	-	-	-	-	2.33	2.2	2.5	2
C125	Engineering Graphics	2.67	2.67	-	2	-	-	-	-	-	-	-	1	-	-	-
C126	Engineering Chemistry Lab	2	2.33	-	-	-	2.33	3	-	3	-	-	-	-	-	-
C127	Engineering Physics Lab	2	2	2.67	2.2	3					2.5			2.3	2	
C128	Computer Programming in C Lab	1	1	1.16	1.83	1							1	2.83	2.55	2.66

C211	Mathematics – IV	1.5	2.16	1	2	1.5	-	-	-	-	-	-	-	1.66	2	3
C212	Data Structures through C++	3	3	3	3	-	-	-	-	2	-	2	2	3	3	3
C213	Mathematical Foundations of Computer Science	3	3	3	2.16	2	-	-	-	-	-	-	1.83	2	2.8	2
C214	Digital Logic Design	2.2	2	1	1.6	1.16	-	-	-	-	-	-	1	3	2	3
C215	Object Oriented Programming through Java	2	3	3	2	3	-	-	-	3	-	-	3	3	3	2
C216	Data Structures through C++ Lab	3	3	3	3	3	-	-	-	3	-	2	-	3	3	3
C217	IT Workshop	2	2	1.3	1.5	1.5	-	-	-	2	1	1	1.66	1	1.16	1.66
C218	Object Oriented Programming through Java Lab	3	3	2.16	2.16	-	-	-	-	2.16	2	2.16	2	3	2.16	3

C219	Environmental Science and Technology	-	-	2.16	-	3	-	3	2	-	-	-	2	-	-	-
C221	Computer Organization	2	2.25	3	-	-	-	-	-	-	-	-	-	2.5	2.66	-
C222	Database Management Systems	3	3	3	3	3	-	-	-	2	1.83	2.5	1.5	3	3	3
C223	Operating Systems	3	2.66	2	2.5	-	-	-	-	2	-	-	3	3	2	2
C224	Formal Languages and Automata Theory	1	1	1	2.16	2	-	-	-	-	-	-	-	2	2.8	2
C225	Business Economics and Financial Analysis	-	-	-	-	-	-	-	-	2	2	2.33	2.16	-	-	-
C226	Computer Organization Lab	1	2	2.5	1	1.33	-	-	-	3	1.75	-	2	2	2.4	2
C227	Database Management Systems Lab	3	3	3	3	2	-	-	-	-	-	2	2	3	3	2

C228	Operating Systems Lab	3	3	3	3	2	-	-	-	2	-	2	3	3	2	2
C229	Gendersensitization Lab	-	-	-	-	-	3	-	2.25		-	-	-	-	-	-
C311	Design and Analysis of Algorithms	3	3	3	2.66	2.66	-	-	-	2	2.16	2.33	3	3	3	3
C312	Data Communication and Computer Networks	1.66	1.83	2	2	2	-	-	-	2	1.5	2	2.33	2.33	1.66	3
C313	Software Engineering	2.83	2.5	2.2	2.25	2.2	-	-	1.5	2	2.25	2.75	3	2	3	3
C314	Fundamentals of Management	-	-	-	-	-	2.66	-	2.5	2.83	1.83	3	1.83	-	-	-
C315	Open Elective – I Scripting languages	1.5	2	1	1	3	-	-	-	-	-	-	-	2.4	2.75	3
C316	Design and Analysis of Algorithms Lab	1.83	3	3	3	3	-	-	-	2	-	2	3	1.33	3	3

C317	Computer Networks Lab	3	2.4	2	1	2	-	-	-	-	-	-	3	2.2	2.2	2.2
C318	Software Engineering Lab	-	-	2.5	1	3	-	-	3	-	2	2	3	3	2.25	-
C319	Professional Ethics	-	-	-	-	-	-	-	1.83	-	-	-	-	-	-	-
C321	Compiler Design	2.33	2.83	2.5	2.5	-	-	-	-	2	1	1	2	3	2	1.83
C322	Web Technologies	3	3	3	3	3	-	-	-	2	2	3	2	3	3	2
C323	Cryptography and Network Security	2.83	2.66	2.83	2.83	2.33	-	-	-	-	-	-	1.83	3	3	3
C324	Open Elective-II : Remote sensing & GIS	3	2.66	2.4	2.2	2.8	-	-	-	-	1.5	2.8	3	2.3	2.16	2.3
C325	Professional Elective-I :Mobile Computing	2	2	2	2.5	-	-	-	-	3	2	1.66	3	3	2	2
C326	Cryptography and Network Security Lab	2.66	2.33	2.33	2	3	-	-	-	-	-	-	2	2.33	2.16	2.33

C327	Web Technologies Lab	3	3	3	3	3	-	-	-	2	2	3	2	3	3	2
C328	Advanced English Communication Skills Lab	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
C411	Data Mining	3	1.5	1	1	-	-	-	-	-	-	-	2	1.83	1	1
C412	Principles of Programming Languages	1	1	-	-	-	-	-	-	1	1	2	3	2	1.5	1.5
C413	Professional Elective – II :Python Programming	3	3	3	2.16	-	-	-	-	2	2.16	3	3	3	2.16	3
C414	Professional Elective – III : Software Process and Project Management	-	-	3	-	2	-	-	2	2	2	2	2	3	3	3
C415	Professional Elective – IV :Cloud Computing	2	2	2.66	3	-	-	-	3	3	2	2	-	3	2	1.66

C416	Data Mining Lab	2	2	3	2.25	3	-	-	-	2	2.5	-	2	3	3	2.5
C417	Python Programming Lab	3	3	2	2.16	2	-	-	-	2.16	2	3	3	3	2.16	3
C418	Industry Oriented Mini Project	2	2.5	3	2.5	2	-	-	3	-	3	-	3	1	2	2
C419	Seminar	2	3	-	-	-	-	-	-	2.5	3	-	3	1	2	
C421	Open Elective – III : Management Information Systems	-	-	-	-	-	2.33	-	1.33	2.16	2.16	2.83	1.33	3	2	2
C422	Professional Elective – V :Modern Software Engineering	1	1	1.16	1	1	-	-	-	1	1	1.33	1	1.4	1	1
C423	Professional Elective – VI :Advanced Algorithms	3	3	3	3	3	-	-	-		2	2	-	2.6	3	3
C424	Major Project	3	3	3	3	3	3	2	3	3	3	3	3	2	2	2

Stage-3: ***Identification of the gaps in the curriculum***

Apart from the internal review process, it is also necessary to ensure that the curriculum remains relevant in the face of changes in technology and industrial/environmental requirements. This is done through obtaining inputs from industry as well as from Alumni who provide feedback on the felt gaps in education and knowledge that are creating barriers to performance and growth. These gaps may evolve overtime and need to be addressed in a responsive manner. The departmental committee is focusing on these aspects and in consultation with internal and external committees is taking necessary measures. The inputs are examined by the Departmental Committee to identify possible gaps in curriculum. The Departmental committee headed by the HOD and the Subject Expert are asked to Examine these perceived gaps in detail.

R16 REGULATION															
	PO#												PSO#		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
Target Value	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
All Courses CO-PO/PSO Average Value	2.394	2.426	2.46	2.276	2.343	2.351	2.073	2.089	2.228	2.266	2.197	2.17	2.292	2.496	2.278
Curriculum gap Exists Yes/No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

R15 REGULATION															
	PO#												PSO#		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
Target Value	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
All Courses CO-PO/PSO Average Value	2.392	2.425	2.474	2.263	2.343	2.389	2.105	2.166	2.235	2.264	2.197	2.186	2.299	2.506	2.295
Curriculum gap Exists Yes/No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

R13 REGULATION															
	PO#												PSO#		
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3
Target Value	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
All Courses CO-PO/PSO Average Value	2.394	2.426	2.46	2.276	2.343	2.273	2.012	2.127	2.216	2.263	2.217	2.145	2.292	2.496	2.278
Curriculum gap Exists Yes/No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Committee observes that Curriculum gaps can be unfolded into three types:

a. The quantum of duration for effective coverage of the course contents in the stipulated time is not enough. Such gaps are identified as **Course Gaps**.

b. It is required for the introduction of a new prerequisite course to encompass the body of knowledge and to integrate it with the rest of the program. These gaps are identified as **Prerequisite Gaps**.

c. The perceived gaps are due to not inclusion of an elective course which actually covers the required materials. These gaps are identified as **Program Gaps**

Process of covering Course gaps

University prescribes total number of periods for the coverage of syllabus of each course. Coverage of these gaps would require enrichment of course content and also in enhanced time to cover the material, unless it is found that some material being covered is now redundant and may be de-emphasized. However, considering that the syllabus and curriculum are mandated by the University, the Department can only make recommendations through the Department Committee for these issues to be incorporated into the syllabus. In the meantime the enhanced coverage is provided through extra classes/ handouts/ assignments/ workshops/ seminars.

Process of covering Pre requisite Gaps.

Coverage of these gaps would require the introduction of new courses designed to cover the content that would fill the gap in a well-designed manner. The Department Committee makes suitable recommendations through the College Academic Committee to the University to consider such inclusions. Given the extensive nature of coverage required, the gap cannot be completely covered through College level interventions. However some amelioration can be achieved through conduct of workshops/video lectures/additional classes

Process of covering Program Gaps

The felt need of a body of knowledge that is covered through electives perhaps warrants that the same be converted into a required course and some other course which may now be redundant may be converted to an elective or eliminated. Decisions on these issues are again within the domain of the appropriate Board of Studies at the University. At the College level, students are advised as a group as well as through mentors to elect for the course.

C. Identified Curriculum Gaps:

The following tables illustrate the findings of Department Academic Committee for curricular gaps and the remedial actions undertaken to fill the gaps.

AY:2020-21							
S.No.	**Subject Name**	**Type of Gap**	**Action Taken on**	**Date-Month-Year**	**Resource Person with Designation**	**% of students**	**Relevance to POs, PSOs**
1	**Data Structures**	**Pre requisite gap** 1.Array of Structures. 2.Pointer to Structures.	Additional hours of classes were engaged	08-09-2020 To 11-09-2020	I.Surya Sekhar Assistant Professor Dept. of Computer Science & Engineering, KITS Kodad	92%	PO1,PO2, PO3,PO4 ,PO11,PO12,PSO1,PSO2, PSO3
2	**Compiler Design**	**Course gap** 1.Type Checking using Symbol Table. 2.Code Optimization Techniques.	Additional hours of classes were engaged	21-06-2021 To 24-06-2021	Dr N.Lakshmi Priya Associate Professor Dept. of Computer Science & Engineering, KITS Kodad	94%	PO1,PO2 ,PO3,PO4,PO5,PO11 PO12,PSO1,PSO2 ,PSO3

3	**Machine Learning**	**Pre requisite gap** 1.Association Rules 2.Classification Techniques.	Additional hours of classes were engaged	30-03-2021 To 03-04-2021	T.Varaprasad Assistant Professor Dept. of Computer Science & Engineering, KITS Kodad	91%	PO1,PO2, PO3,PO4 PO5,PO12, PSO1,PSO 2, PSO3
4	**Python Programming**	**Course gap** Object Oriented Programming in Python	Additional hours of classes were engaged	28-01-2021 To 30-01-2021	Ch.Rudramma devi Assistant Professor Dept. of Computer Science & Engineering, KITS Kodad	92%	PO1,PO2 PO3,PO4, PO5, PO12,PSO 1,PSO2,PS O3

AY 2019-2020							
S.No.	**Subject Name**	**Type of Gap**	**Action Taken on**	**Date-Month-Year**	**Resource Person with Designation**	**% of students**	**Relevance to POs, PSOs**
1	**Programming for Problem Solving**	**Pre requisite gap** 1.Memory Layout of a Program 2.Software Development Life Cycle	Additional hours of classes were engaged	20-01-2020 To 22-01-2020	Dr G.Samba Siva Rao Professor Dept. of Computer Science & Engineering, KITS Kodad	96 %	PO1,PO2, PO3,PO12,PSO1
2	**Operating Systems**	**Pre requisite gap** 1.Booting Process in operating System 2. Awareness on System & Application Softwares	Additional hours of classes were engaged	17-12-2019 To 18-12-2019	Dr K.Venkateshan Professor Dept. of Computer Science & Engineering, KITS Kodad	94 %	PO1, PO12,PSO1

3	**Cryptography and Network Security**	**Course gap** Security Threat Awareness	Additional hours of classes were engaged	14-02-2020 To 15-02-2020	Dr K.Venkat Ramana Associate Professor Dept. of Computer Science & Engineering, KITS Kodad	96 %	PO1,PO4, PO5,PO12, PSO1,PSO 2
4	**Cloud Computing**	**Course gap** Security Issues in Cloud Computing	Additional hours of classes were engaged	27-09-2019 To 28-09-2019	Dr P.Karunakar Reddy Associate Professor Dept. of Computer Science & Engineering, KITS Kodad	95 %	PO1,PO4, PO5,PO12, PSO1,PSO 2

2018-2019							
S. No.	**Subject Name**	**Type of Gap**	**Action Taken on**	**Date-Month-Year**	**Resource Person with Designation**	**% of students**	**Relevance to POs, PSOs**
1	**Mathematical Foundations of computer Science**	**Pre requisite gap** Applications of Graph theory in different branches of science	Additional hours of classes were engaged	22-10-2018 To 24-10-2018	Dr K.Venkat Ramana Associate Professor Dept. of Computer Science & Engineering, KITS Kodad	97 %	PO1,PO2 ,PO3,PS O1
2	**Operating Systems**	**Pre requisite gap** 1.Booting Process in operating System 2. Awareness on System & Application Softwares	Additional hours of classes were engaged	02-01-2019	Dr K.Venkateshan Professor Dept. of Computer Science & Engineering, KITS Kodad	95 %	PO1, PO12,PS O1

3	**Formal Language Automata Theory**	**Pre requisite gap** Parsing and Ambiguity of CFG	Additional hours of classes were engaged	25-02-2019 To 26-02-2019	Dr N.Lakshmi Priya Associate Professor Dept. of Computer Science & Engineering, KITS Kodad	97 %	PO1,PO2,PO3, PSO1
4	**Data Warehousing & Data Mining**	**Course Gap** Applications in Data Mining	Additional hours of classes were engaged	26-09-2018 To 27-09-2018	Dr G.Samba Siva Rao Professor Dept. of Computer Science & Engineering, KITS Kodad	94 %	PO1,PO2,PO3,PO4,PO5,PSO1,PSO2,PSO3

2017-2018							
S.No.	**Subject Name**	**Type of Gap**	**Action Taken on**	**Date-Month-Year**	**Resource Person with Designation**	**% of students**	**Relevance to POs, PSOs**
1	**Computer Programming in C**	**Prerequisite gap** 1.Memory area division for a program2.Pre processor Directives	Additional hours of classes were engaged	21-12-2017 To 23-12-2017	Dr P.Pandarinath Professor Dept. of Computer Science & Engineering, KITS Kodad	98%	PO1,PO2,PO3,PO12,PSO1
2	**Data Structures through C++**	**Prerequisite gap** 1.Spanning Trees 2.Minimum Spanning Trees & its algorithms	Additional hours of classes were engaged	23-10-2017 To 25-10-2017	Dr P.Prabhakaran Professor Dept. of Computer Science & Engineering, KITS Kodad	93%	PO1,PO2,PO3PO4,PSO1

3	**Information Security**	**Course Gap** Awareness on Security Protocols	Additional hours of classes were engaged	15-02-2018 To 17-02-2018	Dr Harendra singh Associate Professor Dept. of Computer Science & Engineering, KITS Kodad	94 %	PO1,PO4, PO5,PO12, PSO1,PSO2
4	**Data Warehousing & Data Mining**	**Course Gap** Applications in Data Mining	Additional hours of classes were engaged	21-09-2017 To 23-09-2017	Dr P.Pandarinath Professor Dept. of Computer Science & Engineering, KITS Kodad	97 %	PO1,PO2 ,PO3,PO4 ,PO5,PS O1,PSO2 ,PSO3

CONCLUSIONS

Above study process used to identify extent of Compliance of the university curriculum and remedial actions that the department had taken to fulfill curricular gaps had proved that the department could attain the program outcomes and program specific outcomes

2.1.2 State the delivery details of the content beyond the syllabus for the attainment of POs and PSOs (10)

The following are the means and methods used to provide the content required for the students beyond the syllabus for the purpose of attainment of POs and PSOs. The department organizes the following specific co-curricular activities.

- ✓ Organizing Guest Lectures
- ✓ Organizing workshops
- ✓ Organizing Employability skill improvement training programs
- ✓ Organizing Industry Visits
- ✓ Internships/Summer Training

Organizing Guest Lectures, workshops and Employability skill improvement training programs:

ADEMIC YEAR 2020-21

S.NO	Gap Description	Action taken	Date	Resource person with Designation	% of students	Relevance to POs, PSOs
1	Modern technology usage	A one day workshop on "Python with ML" for IV B.Tech Task registered students	29/08/2020	Mr K.Yuktesh, IBM	77%	PO1,PO2,PO3, PO4,PO5,PO12 ,PSO1,PSO2
2	Modern technology usage	A one day workshop on " Data Analysis and Visualization" for IV B.Tech Task registered students	03/09/2020	Mr K.Yuktesh, IBM	89%	PO1,PO2,PO5, PSO1
3	Modern technology usage	A one day workshop on " Supervised Learning " for IV B.Tech Task registered students	10/09/2020	Mr K.Yuktesh, IBM	93%	PO1,PO2,PO3, PO5,PSO1

4	Modern technology usage	A one day workshop on " Supervised Learning " for IV B.Tech Task registered students	17/09/2020	Mr K.Yuktesh, IBM	93%	PO1,PO2,PO3, PO5,PSO1
5	Modern technology usage	A one day workshop on " UnSupervised Learning " for IV B.Tech Task registered students	24/09/2020	Mr K.Yuktesh, IBM	96%	PO1,PO2,PO3, PO5,PSO1
6	Modern technology usage	A one day workshop on " Decision Tree and Random Forest " for IV B.Tech Task registered students	01/10/2020	Mr K.Yuktesh, IBM	88%	PO1,PO2,PO3, PO4,PO5,PO1, PSO2
7	Modern technology usage	A three day Webinar on "Cyber Security" was organized for IV B.Tech students.	14/12/2020 To 16/12/2020	Mr Rupesh Mital, Mr NNP Sankaram, Mr Chandra Dasaka,CS	80%	PO1,PO2,PO3, PO6,PO12,PSO 1,PSO2

8	Training Session	A three day "Gate Classes Session" was organized for IV B.Tech students.	04/01/2021 To 06/01/2021	Mr V.Sudheer, Mr K.Sampath TechnoGATE, Khammam	97%	PO1,PO2,PO3, PO4,PO5,PO9, PO10,PO11,PO12, PSO1,PSO2,PSO3
9	Skill development	A two day Webinar on "Reasoning and Aptitude" was organized for III, IV B.Tech Task registered students.	07/04/2021 To 09/04/2021	Mr B.Ramana, Task Trainer	93%	PO1,PO2,PO4, PSO1
10	Modern technology usage	A One Day Webinar on "Python Programming" was organized for III B.Tech Students	14/04/2021	GVK Sri Krishana,Software Developer, VINCENSE Software pvt Ltd., Hyderabad	86%	PO1,PO2,PO3, PO4,PO5, PO12,PSO1, PSO2,PSO3

11	Modern Technology usage	A Two Day Webinar on "Artificial Intelligence & Ml with Java" for II,III and IV B.tech Task Registered Students	15/04/2021 To 17/04/2021	Mr.Arun Reddy, Task Trainer	92%	PO1,PO2,PO3, PO4,PO5, PO12,PSO1,PSO2,PSO3
12	Skill development	A One Day Webinar on"Boost Your Interview Skills" for IV B.Tech students	24/04/2021	RAJESH KOTA(Associate Director, Global capability center, Banglore)	82%	PO1,PO2,PO3, PO10, PSO1
13	Modern Technology usage	A One Day Webinar on "Andriod Application Development" for III B.Tech students	26/04/2021	Mr K.Sridhar, Trainer, VINCENSE Software pvt Ltd., Hyderabad	88%	PO1,PO2,PO3, PO4,PO5, PO12,PSO1, PSO2,PSO3
14	Modern Technology usage	A One Day online workshop on "Internet of Things (IOT)" for II, III, IV B.Tech students	02/05/2021	Mr G.Srinivasa Rao, Trainer, Vertulonix , Hyderabad	91%	PO1,PO2,PO3, PO4, PO5, PO!! PSO1,PSO2,PSO3

15	Modern Technology usage	A Three Day webinar on "Python with Dijango" for IV B.Tech students	27-05-2021 TO 29-05-2021	Mr P.Srujan Reddy, Software Developer, Synchronism Solutions, Hyderabad	96%	PO1,PO2,PO3, PO4, PO5,PO12,PSO 1, PSO2,PSO3

ACADEMIC YEAR 2019-20

S.NO	Gap Description	Action taken	Date	Resource person with Designation	% of students	Relevance to POs, PSOs
1	Modern technology usage	A two days workshop on "Machine Learning" was organized for IV B.Tech students.	23/08/2019 To 24/08/2019	Ms M.Sravani Trainer, Indian Servers, Hyderabad	100%	PO1,PO2,PO3, PO4,PO9, PO12,PSO1,PSO2, PSO3
2	Modern technology usage	A five day workshop on "Oracle Java programming" was organized for IV B.Tech Task registered students.	16/09/2019 To 20/09/2019	Mr K.Ramesh, Task trainer	94%	PO1,PO2,PO3, PO5,PO9, PO11,PO12, PSO1,PSO2

3	Skill development	A two day workshop on "personal skills" was organized for III B.Tech Task registered students.	17/10/2019 To 18/10/2019	Mr G.Satish, Task trainer	100%	PO1,PO2,PO3, PO4,PO9,PO10, PSO1, PSO2
4	Modern technology usage	A three day workshop on "Database programming with SQL" was organized for IV B.Tech Task registered students.	28/10/2019 To 30/10/2019	Mr P.Vamshi, Task trainer	100%	PO1,PO2,PO3, PO4,PO5,PO9, PO12,PSO1,PSO2, PSO3
5	Employability skills	A three day workshop on "communication/organization skills" was organized for III B.Tech Task registered students.	30/10/2019 To 01/11/2019	Mr Indrakumar, Task trainer	96%	PO1,PO2,PO4,PSO 1
6	Training Session	A three day "Gate Classes Session" was organized for IV B.Tech students.	16/12/2019 To 18/12/2019	Mr P.Harish, Mr J.Prakash, Mr N.Vasanth Kumar, Trainer, Trainer, TechnoGATE, Khammam	100%	PO1,PO2,PO3, PO4,PO5,PO9, PO10,PO11,PO12, PSO1,PSO2,PSO3

7	Modern technology usage	A five day workshop on "Oracle Java Fundamentals" was organized for III B.Tech Task registered students.	27/01/2020 to 31/01/2020	Mr M.Pranay, Task trainer	93%	PO1,PO2,PO3, PO5,PO9,PO12, PSO1,PSO2
8	Modern technology usage	A two day workshop on "Artificial intelligence" was organized for IV B.Tech students.	13/02/2020 To 14/02/2020	Mr Sajid, Trainer, Robokalam, Hyderabad.	100%	PO1,PO2,PO3, PO4,PO5,PSO1,PSO2
9	Modern technology usage	A two day workshop on "Fiber Technology" was organized for IV B.Tech students.	19/02/2020 To 20/02/2020	Mr Himanshu, STL trainer	97%	PO1,PO2,PO3, PO5,PSO1,PSO2
10	Modern technology usage	A three day workshop on "Internet of Things" was organized for IV B.Tech Task registered students.	27/02/2020 To 29/02/2020	Mr P.Vijay, Task trainer	94%	PO1,PO2,PO3, PO4,PO5,PO!! PSO1,PSO2,PSO3

11	Presentation skills	A three day Online training on "presentation skills" was organized for III,IV B.Tech Task registered students.	14/05/2020 To 16/05/2020	Mr B.Vivekananda, Soft Skills trainer,Task	98%	, PO9,PO10,PSO1
12	Security	A two day workshop on "Ethical Hacking" was organized for IV B.Tech students.	19/05/2020 To 20/05/2020	V.Shiva Reddy, Trainer, Vincense software solutions pvt ltd., Hyderabad	90%	PO1,PO2,PO3, PO6,PO8,PSO3
13	Design	A three day workshop on "Web Designing" " was organized for III B.Tech students.	29/07/2020 To 31/07/2020	M.Venkata Krishna, Trainer, Vertulonix, Hyderabad	88%	PO1,PO2,PO3, PO4,PO5,PO9, PO12, PSO1,PSO2,PSO3

ACADEMIC YEAR 2018-19

S. NO	Gap Description	Action taken	Date	Resource person with Designation	% of students	Relevance to POs, PSOs
1	Skill development	A two day workshop on "Personal Skills Sessions " was organized for III B.Tech Task registered students.	13/08/2018 To 14/08/2018	Mr.K.Ramakrishna, Task trainer	100%	PO1,PO2,PO3, PO4,PO9,PO10 , PSO1, PSO2
2	Skill development	A two day workshop on"Personal Skills Sessions " was organized for IV B.Tech students.	20/08/2018 To 21/08/2018	Mr.Indrakumar,trainer	92%	PO1,PO2,PO3, PO4,PO9,PO10 , PSO1, PSO2
3	Modern technology usage	A two day work shop on "Artificial Intelligence" was organized for IV B.Tech students.	10/09/2018 To 11/09/2018	Mr K.SriRam, Trainer, Robokalam, Hyderabad	96%	PO1,PO2,PO3, PO4,PO5, PSO1,PSO2
4	Employability skills	A one day work shop on "Aptitude & Reasoning MOOCS" was organized for III B.Tech Task registered students.	25/09/2018	Mr.Sudheer, Task trainer	100%	PO1,PO2,PO4, PSO1

5	Modern technology usage	A three day work shop on "Database programming with SQL" was organized for III B.Tech Task registered students.	28/10/2018 To 30/10/2018	Mr Vamshidar reddy, Task trainer	94%	PO1,PO2,PO3, PO4,PO5,PO9, PO12,PSO1,PSO2,PSO3
6	Training Session	A three day "Gate Classes Session" was organized for IV B.Tech students.	27/12/2018 To 29/12/2018	Mr K.Anirudh, Ms G.Swapna, Mr M.Kalyan, Trainer, Techno GATE, Khammam	100%	PO1,PO2,PO3, PO4,PO5,PO9, PO10,PO11,PO12, PSO1,PSO2,PSO3

ACADEMIC YEAR 2017-18

S.NO	Gap Description	Action taken	Date	Resource person with Designation	% of students	Relevance to POs, PSOs
1	Skill development	A two days workshop on " personal skills" was organized for IV B.Tech students.	13/08/2017 To 14/08/2017	Mr S.Radha krishna, Trainer, Pranav Academy, Vijayawada.	100%	PO1,PO2,PO3, PO4,PO9,PO10, PSO1, PSO2

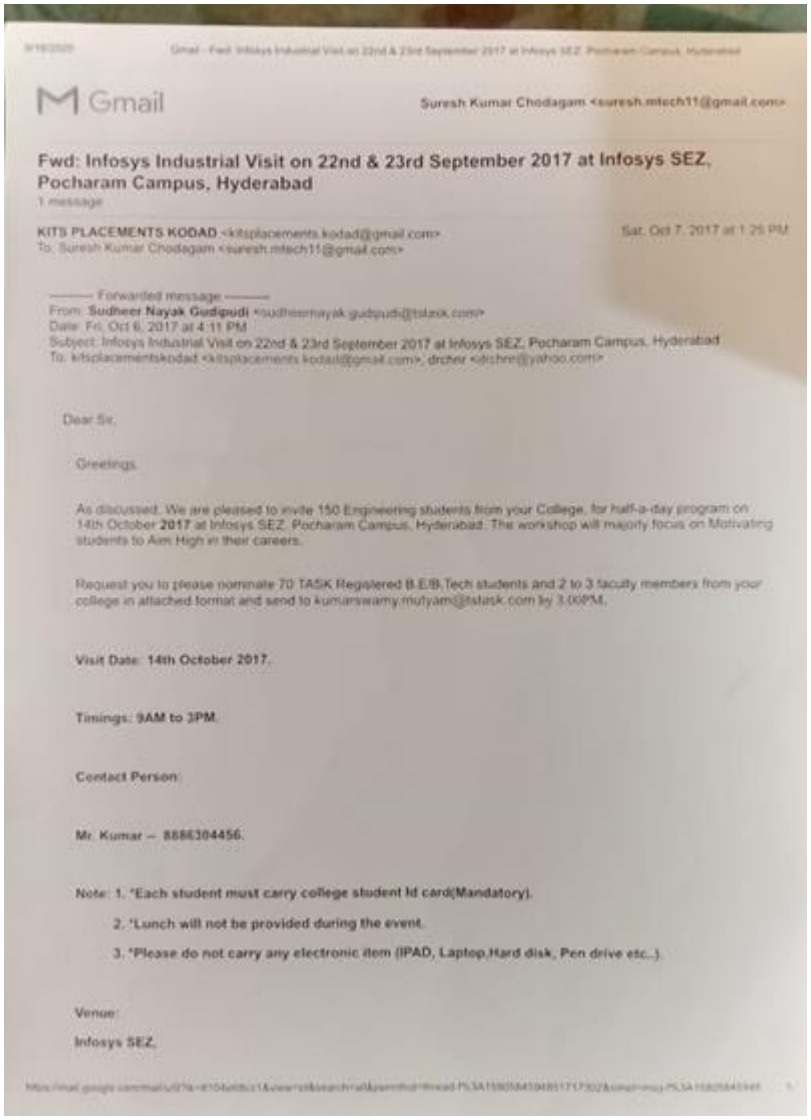
2	Training Session	A three day "Gate Classes Session" was organized for IV B.Tech students.	14/12/2017 To 16/12/2017	Mr A.Sudhakar, Mr M.Naveen, Ms K.Pavani, Trainer, TechnoGATE, Khammam	100%	PO1,PO2,PO3, PO4,PO5,PO9, PO10,PO11,PO12, PSO1,PSO2,PSO3
3	Modern technology usage	A Two Day workshop on "Web Services" was organized for IV B.Tech students.	29/12/2017 To 30/12/2017	Mr G.Venu Gopal, Senior Software, BN Infotech, Hyderabad	100%	PO1,PO2,PO3, PO4,PO5,PO9,PO12, PSO1,PSO2,PSO3
4	Employability skills	A two day workshop on "Aptitude & Reasoning " was organized for IV B.Tech students.	29/01/2018 To 30/01/2018	Mr J.Sridhar,Trainer, Brilliant Technologies, Hyderabad	100%	PO1,PO2,PO4,PSO1

ACADEMIC YEAR 2016-17

S.NO	Gap Description	Action taken	Date	Resource person with Designation	% of students	Relevance to POs, PSOs
1	Modern technology usage	A two days workshop on "IOT" was organized for IV B.Tech students	19/09/2016 To 20/09/2016	Ms M.Sravani Trainer, Indian Servers, Hyderabad	100%	PO1,PO2,PO3, PO4, PO5, PO!! PSO1,PSO2,PSO3
2	Modern technology usage	A two days workshop on "Ethical Hacking" was organized for IV B.Tech students.	24/10/2016 To 25/10/2016	Mr M.Pranay, senior software,Efftronics,Vijayawada	94%	PO1,PO2,PO3, PO6,PO8, PO11,PO12, PSO1,PSO2

3	Training Session	A three day "Gate Classes Session" was organized for IV B.Tech students.	02/12/2016 T0 05/12/2016	Mr S.Varun Kumar, Mr K.Sandeep, Ms T.Madhavi, Trainer, TechnoGATE, Khammam	100%	PO1,PO2,PO3, PO4,PO5,PO9, PO10,PO11,PO12, PSO1,PSO2,PSO3
4	Skill Development	A two day workshop on "personal skills" was organized for III B.Tech students.	20/02/2017 To 21/02/2017	Mr G.Satish, Task trainer	100%	PO1,PO2,PO3, PO4,PO9,PO10, PSO1, PSO2

Organizing Industry Visits:



Gmail

Suresh Kumar Chodagam <suresh.mtech11@gmail.com>

Fwd: Infosys Industrial Visit on 22nd & 23rd September 2017 at Infosys SEZ, Pocharam Campus, Hyderabad

1 message

KITS PLACEMENTS KODAD <kitsplacements.kodad@gmail.com> Sat, Oct 7, 2017 at 1:25 PM
To: Suresh Kumar Chodagam <suresh.mtech11@gmail.com>

---------- Forwarded message ----------
From: **Sudheer Nayak Gudipudi** <sudheernayak.gudipudi@tslask.com>
Date: Fri, Oct 6, 2017 at 4:11 PM
Subject: Infosys Industrial Visit on 22nd & 23rd September 2017 at Infosys SEZ, Pocharam Campus, Hyderabad
To: kitsplacementskodad <kitsplacements.kodad@gmail.com>, drchiv <drchiv@yahoo.com>

Dear Sir,

Greetings.

As discussed, We are pleased to invite 150 Engineering students from your College, for half-a-day program on 14th October **2017** at Infosys SEZ, Pocharam Campus, Hyderabad. The workshop will majorly focus on Motivating students to Aim High in their careers.

Request you to please nominate 70 TASK Registered B.E/B.Tech students and 2 to 3 faculty members from your college in attached format and send to kumaraswamy.mutyam@tslask.com by 3.00PM.

Visit Date: 14th October 2017.

Timings: 9AM to 3PM.

Contact Person:

Mr. Kumar – 8886304456.

Note: 1. *Each student must carry college student Id card(Mandatory).
2. *Lunch will not be provided during the event.
3. *Please do not carry any electronic item (IPAD, Laptop,Hard disk, Pen drive etc..).

Venue:

Infosys SEZ.

Internships/Summer Training

The following is the detailed list of students who have undergone internship in various organizations during their semester break/summer training for

ACADEMIC YEAR: 2020-21

S.No	Roll No	Name of the student	Date	Organization in which internship has been carried out
1	**17QU1A0530**	**SHIVANI.CH**	13-08-2020 TO 31-08-2020	VERTULONIX , HYDERABAD
2	17QU1A0518	POOJA.D		
3	17QU1A0520	PRATHYUSHA.A		
4	17QU1A0536	SRAVANTHI.D		
5	17QU1A0501	AKSHAYA.CH		
6	**17QU1A0546**	**VANDANA.CH**	03-08-2020 TO 22-08-2020	VINCENSE SOFTWARE SOLUTIONS PVT. LTD.
7	17QU1A0503	BINDHUSREE.B		
8	17QU1A0505	DIVYA.B		
9	17QU1A0542	TRIVENI.M		
10	17QU1A0521	PRIYANKA		

11	**17QU1A0538**	**SRUJANA.D**	03-08-2020 TO 22-08-2020	VINCENSE SOFTWARE SOLUTIONS PVT. LTD.
12	17QU1A0539	SUPRIYA.M		
13	17QU1A0506	DIVYA.P		
14	17QU1A0544	TRIVENI.T		
15	17QU1A0522	RAMYA.CH		
16	**17QU1A0547**	**K.V.L.TULASI**	13-08-2020 TO 31-08-2020	VERTULONIX , HYDERABAD
17	17QU1A0510	KAVYASREE.B		
18	17QU1A0509	HANEEFA.M		
19	17QU1A0548	VINEELA.V		
20	17QU1A0531	SHIVANI.D		

ACADEMIC YEAR: 2019-20

S.No	Roll No	Name of the student	Date	Organization in which internship has been carried out
1	**16QU1A0514**	**KRISHNAVENI K**	4/6/2019 To 4/8/2019	ARETE IT Services Private Limited, Vijayawada
2	16QU1A0506	CHANDANA P		
3	16QU1A0527	PRASANNA P		
4	16QU1A0555	YOGITHA M		
5	**16QU1A0551**	**UMA MAHESHWARI S**	4/6/2019 To 4/8/2019	ARETE IT Services Private Limited, Vijayawada
6	16QU1A0508	GOWTHAMI G		
7	17QU5A0502	LAXMI PRAVEENA K		
8	16QU1A0552	USHA RANI L		
9	**16QU1A0548**	**TAPASWINI G**	4/6/2019 To 4/8/2019	ARETE IT Services Private Limited, Vijayawada
10	16QU1A0521	NAGA JYOTHI K		
11	16QU1A0531	SAI SOUMYA N		
12	16QU1A0530	SAHITHA KRISHNA B		
13	**16QU1A0540**	**SRIJA B**	3/6/2019 To 27-07-2019	Krishna Soft , Vijayawada
14	16QU1A0554	VINDHYA G		
15	16QU1A0509	GOWTHAMI V		
16	16QU1A0504	ASHWINI P		
17	16QU1A0523	NIKHITHA S		
18	**16QU1A0528**	**POOJITHA CH**	3/6/2019 To 13-07-2019	INDIAN SERVERS , Vijayawada
19	16QU1A0535	SHIRISHA K		
20	16QU1A0534	SHAKEERA SK		
21	16QU1A0547	SWATHI K		
22	16QU1A0544	SWAPNA K		

ACADEMIC YEAR: 2018-19

S.No	Roll No	Name of the student	Date	Organizationin which summer training has been carried out
1	**15QU1A0556**	**CH.VIJAYA LAXMI**	04-06-2018 To 20-06-2018	Tall Grass Private Limited, Hyderabad
2	15QU1A0547	A.SREELEKHA		
3	15QU1A0516	N.LAVANYA		
4	15QU1A0541	B.SINDHU		
5	15QU1A0525	P.NAVYA		

6	**15QU1A0529**	**G.PRASHANTHI**	4-06-2018 To 20-06-2018	Tall Grass Private Limited, Hyderabad
7	15QU1A0553	K.TULASI		
8	15QU1A0533	J.RAJYALAXMI		
9	15QU1A0540	CH.SHAILAJA		
10	15QU1A0531	M.PRIYANKA		
11	**15QU1A0504**	**T.AVILASHA**	14-06-2018 To 30-06-2018	NSE Technologies, Hyderabad
12	15QU1A0515	V.LAXMI		
13	15QU1A0507	P.DIVYAJYOTHI		
14	15QU1A0502	B.ANJALI		
15	15QU1A0506	M.BHARGAVI		
16	**15QU1A0534**	**M.RAJYALAXMI**	14-06-2018 To 30-06-2018	NSE Technologies, Hyderabad
17	15QU1A0517	V.MAMATHA		
18	15QU1A0544	G.SOWMYA		
19	15QU1A0539	SK.SHAHANA		
20	15QU1A0524	M.NAVYA		
21	**15QU1A0537**	**G.SAMATHA**	11-06-2018 To 27-06-2018	Efftronics Systems Pvt. Ltd, Vijayawada
22	15QU1A0520	K.MOUNIKA		
23	15QU1A0522	K.NANDINI		
24	15QU1A0530	S.PRATHYUSHA		
25	15QU1A0518	B.MANEESHA		
26	**15QU1A0523**	**V.VINITHA**	11-06-2018 To 27-06-2018	Efftronics Systems Pvt. Ltd, Vijayawada
27	15QU1A0551	P.TEJASWINI		
28	15QU1A0554	R.VASANTHA		
29	15QU1A0532	P.PRIYANKA		
30	15QU1A0543	G.SNEHA		

ACADEMIC YEAR: 2017-18

S.No	Roll No	Name of the student	Date	Organization in which summer training has been carried out
1	**14QU1A0534**	**VINEESHA VELISHALA**	12-06-2017 TO 27-06-2017	Amrodit Technologies, Hyderabad,Telangana
2	14QU1A0519	NAVYA KURAPATI		
3	14QU10501	AKHILA DUNDIGALA		
4	14QU1A0502	BARGAVI MUDOTHULA		
5	**14QU1A0517**	**LIKHITHA BANDI**		
6	14QU1A0511	KALPANA MALLEBOINA		

7	14QU1A0516	LAXMI BAHATAM	12-06-2017 TO 27-06-2017	KioLearn Technologies, Hyderabad,Telangana
8	14QU1A0503	DEEPTHI GURIJALA		
9	14QU1A0507	HEMALATHA GANJI		
10	**14QU1A0529**	**SUNEETHA**	12-06-2017 TO 27-06-2017	Amrodit Technologies, Hyderabad, Telangana
11	14QU1A0518	MANEESHA NANDYALA		
12	14QU1A0510	KALPANA K		
13	14QU1A0513	KEERTHI KATTA		
14	**14QU1A0521**	**SAHITHI VANDANAPU**	12-06-2017 TO 27-06-2017	Amrodit Technologies , Hyderabad,telangana
15	14QUA10505	DIVYA SRIKAKULA		
16	14QU1A0532	UDAYASRI PANDI		
17	14QU1A0508	INDIRA SOMISHETTY		
18	**14QU1A0515**	**LAVANYA SHIVAKOTI**	12-06-2017 TO 27-06-2017	KioLearn Technologies, Hyderabad,Telangana
19	14QU1A0520	PRANEETHA GADE		
20	14QU1A0528	SRIVIDHYA GADHAMSETTY		
21	14QU1A0525	SRIDEVI N		
22	14QU1A0527	SRILATHA SASANALA		

2.2 TEACHING LEARNING PROCESS (100)

Attainment levels of POs and PSOs of the program are greatly influenced by methods adopted by Teachers and the learning processes of the students. Best practices results best outcomes.

2.2.1 Describe processes followed to improve quality of teaching and learning (25)

Department of CSE has a unique teaching & learning. Apart from the conventional classroom teaching practices, various technical & non-technical activities are conducted to strengthen the student skills.

a) Adherence to Academic calendar (Institute and Department calendar):

From the college calendar of events a department calendar of events is derived which is specific to the department

KITS	KODADA INSTITUTE OF TECHNOLOGY AND SCIENCES FOR WOMEN, KODAD
	Department of Computer Science & Engineering
	CALENDER EVENTS FOR EVEN SEMESTER 2020-21 From 22-03-2021 To 14-08-2021

WEEK NO.	MONTH	MON	TUE	WED	THUR	FRI	SAT	NO.OF WORKING DAYS	ACTIVITIES
1	MAR	15	16	17	18	19	20	**0**	COAC 1st Meeting of Sem - II on 3rd week of March
2	MAR	22	23	24	25	26	27	5	22nd commencement of Even sem(1st spell)
3	MAR/APR	29	30	31	1	2	3	4	29th holi, 2nd Good Friday
4	APR	5	6	7	8	9	10	6	
5	APR	12	13	14	15	16	17	5	13th ugadhi,14 Ambedkar jayanthi
6	APR	19	20	21	22	23	24	5	21st sri rama

									navami
7	APR/MAY	26	27	28	29	30	1	6	
8	MAY	3	4	5	6	7	8	6	
9	MAY	10	11	12	13	14	15	6	
10	MAY	17	18	19	20	21	22	0	17th-29 summmer vacation
11	MAY	24	25	26	27	28	29	0	25th Mid-I Question Paper submission Last date
12	MAY/JUN	31	1	2	3	4	5	0	31th to 5th Mid-I Exams
13	JUN	7	8	9	10	11	12	5	7th jun (II Spell),12th COAC Meeting
14	JUN	14	15	16	17	18	19	6	14th Parent-Teacher's Meeting
15	JUN	21	22	23	24	25	26	6	
16	JUN/JULY	28	29	30	1	2	3	6	
17	JULY	5	6	7	8	9	10	6	
18	JULY	12	13	14	15	16	17	6	
19	JULY	19	20	21	22	23	24	6	
20	JULY	26	27	28	29	30	31	5	31st Bakrid
21	AUG	2	3	4	5	6	7	0	2nd to 7th Mid-II Exams
22	AUG	9	10	11	12	13	14	0	practical Examinations
23	AUG	16	17	18	19	20	21		
24	AUG	23	24	25	26	27	28	0	28 th krishnastami
Total No.of Working Days								**89**	
Last working day of Even semester : 28th aug 2021									22nd Mar commencement of Even sem
Second Mid Exams -7th aug : 2nd									Holidays
UG Practical Exams 9-14th aug 2021 :									Mid Exams
UG Theory Exams -28th aug 2021 : 16th									COAC Meetings
Commencement of Odd semester 06 Sep 2021 :									summmer vacation

Department pedagogical initiatives for quality teaching-learning process

The Department is following the below mentioned pedagogical practices for ensuring quality in Teaching – Learning process.

Instructional methods consist of principles and methods used by teachers to enhance and relate training to learners. Learn about these strategies and use them in relation with characteristics of your learners and your training needs include

1. Lecture
2. Lecture combined with Discussion
3. Lecture with Quiz
4. Demonstration(Such as a model/laboratory)
5. Presentation
6. Role Play
7. Problem Solving
8. Cooperative Learning(Group discussions/ Exercises)

Maintenance of Course files:

Lesson plan with course objectives and course outcomes are prepared by the subject handling faculty before the commencement of the semester and is dually approved by the Head of the department and made available to the students. According to the lesson plan, work done has been inculcated in the academic file to ensure coverage of syllabus dually monitored by Head of the department.

For each course, a course file is prepared by the concerned faculty .The course file consists of following items.

- **Academic Calendar:** Issued by JNTUH, which gives a detailed academic structure, that includes commencement of class work, instruction spells, midterm examinations, preparation of practical and end examinations.
- **Syllabus of the subject**
- **Class timetables**
- **Individual timetables**
- **Lesson plan:**

Lesson plans are prepared for each lecture in the teaching plan by the faculty before the commencement of the semester and it is duly approved after careful examination by the Head of the Department and made available to the students. The lesson plan encompasses the learning outcomes and the assessment of outcomes.

Lesson plan with course outcomes are prepared by the subject handling faculty before the commencement of the semester and is duly approved by the Head of the department and made available to the students .According to the lesson plan, work done has been inculcated in the academic file to ensure coverage of syllabus is monitored by Head of the department.

- **Question papers (Internals)**
- **Question papers (University)**
- **Course Description**
- **Lecture notes**
- **Question Bank:** Question banks are prepared for each topic in the course based on the course Outcomes and considering the nature of the university question papers .The previous question papers of University are also maintained in the course files .Assignment questions list and are included in the course files.

ICT Supported Learning

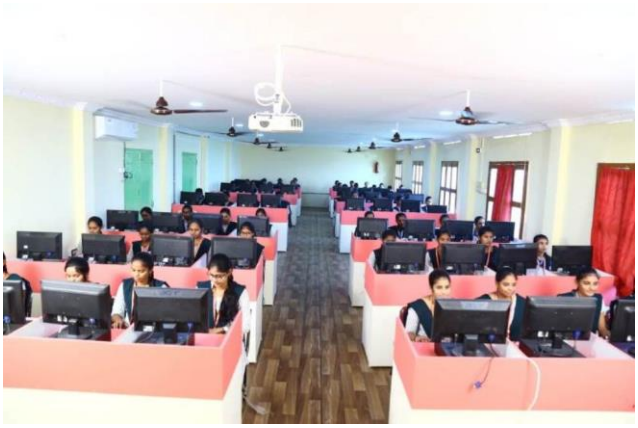
Students are advised to register for MOOCs (Massive Open Online Courses) and watch NPTEL and SWAYAM videos and the students are encouraged to write assignments. In class room students are encouraged to give presentations to improve their basic knowledge, communication skills in the respective subject.

Well Established Computer Lab

In addition to latest i5 processor computers available in the department computer lab, the College has a air conditioned computer lab with all the facilities of audio & video systems. Students can view NPTEL video lectures, can improve their skills.

COMPUTER LAB – 1

COMPUTER LAB - 2



COMPUTER LAB – 3

COMPUTER LAB - 4

Lectures by Eminent personalities:

Guest lecturers by eminent people from Industry, Academic are arranged by the Department for students.

S.No.	Name of the faculty	Invited from	Date	Topic Delivered	Relevance to POs and PSOs
1	Ms M.Sravani	Indian Servers, Hyderabad	23/08/2019 To 24/08/2019	Machine Learning	PO1, PO2,PO3,PO4,PO9,PO12, PSO1,PSO2,PSO3

2	Mr Sajid	Robokalam, Hyderabad	13/02/2020 To 14/02/2020	Artificial Intelligence	PO1,PO2,PO3,PO4,PO5, PSO1,PSO2
3	Mr K.SriRam	Robokalam, Hyderabad	10/09/2018 To 11/09/2018	Artificial Intelligence	PO1,PO2,PO3,PO4,PO5, PSO1,PSO2
4	Mr G.Venu Gopal	BN Infotech, Hyderabad	29/12/2017 To 30/12/2017	Web Services	PO1,PO2,PO3,PO4,PO5,PO9, PO12, PSO1,PSO2,PSO3

Impact of Lectures by Eminent Personalities

As evident of attainment levels, the Students of CSE have enriched their skills defined by certain POs/PSOs.

STUDENT SEMINARS:

Seminars are also arranged frequently by the Department. Students exhibit their technical skills. A sample of Technical Seminars organized is presented below:

ACADEMIC YEAR: 2020-21

S.NO	H.NO	STUDENT NAME	SEMINAR TOPIC	RELAVANCE TO PO#, PSO#
1	17QU1A0501	AKSHAYA CHITHALURI	VIRTUAL KEY BOARD	PO1,PO2,PO3,PO4,PO12,PSO1,PSO2
2	17QU1A0502	ANUSHA JIDUGU	GOOGLE CLOUD COMPUTING	PO1,PO2,PO3,PO4,PO5,PO12,PSO1,PSO2,PSO3
3	17QU1A0503	BINDHU SREE BADE	CYBER SECURITY	PO1,PO2,PO3,PO5,PO6,PO8,PO12,PSO1, PSO2,PSO3
4	17QU1A0505	DIVYA BUSHIPAKA	VIRTUAL SMART PHONE	PO1,PO2PO3,PO5,PO9,PO12,PSO1,PSO2 ,PSO3
5	17QU1A0506	DIVYA POTHUGANTI	NATURAL LANGUAGE PROCESSING	PO1,PO2,PO3,PO4,PO12,PSO1,PSO2,PSO3

6	17QU1A0507	DURGA BHAVANI VIKRUTHI	SEMMANTIC WEB	PO1,PO2,PO3,PO9,PO10,PO11,PO12,PSO1
7	17QU1A0509	HANEEFA MIRZA	GREEN COMPUTING	PO1,PO2,PO3,PO5,PO12,PSO1,PSO2
8	17QU1A0510	KAVYASRI BOORA	EDGE COMPUTING	PO1,PO2,PO3,PO5,PO12,PSO1,PSO3
9	17QU1A0512	MANEESHA BOLLE	ROBOTIC PROCESS AUTOMATION	PO1,PO2,PO3,PO5,PO9,PO10,PO12,PSO1,PSO2,PSO3
10	17QU1A0513	MANISHA KEETHA	HUMAN BRAIN INTERFACE	PO1,PO3,PO4,PO5,PO12,PSO1,PSO3
11	17QU1A0514	MOUNIKA MUNIPAKA	ATM WITH AN EYE	PO1,PO3,PO5,PO12,PSO1
12	17QU1A0515	NAGALAKSHMI SIDDINI	BARCODE TECHNOLOGY	PO1,PO3,PO5,PO10,PSO1,PSO2
13	17QU1A0516	NAVYA LIKKI	DNA COMPUTING	PO1,PO2,PO3,PO4,PO5,PO12,PSO1,PSO2
14	17QU1A0517	PAVITHRA GUNDE	WIRELESS USB	PO1,PO3,PO5,PO10,PO12,PSO1,PSO2
15	17QU1A0518	POOJA DUGGI	SECURITY IN CLOUD COMPUTING	PO1,PO2,PO3,PO12,PSO1,PSO2
16	17QU1A0519	PRASUNA VUPPU	HTML-5	PO1,PO3,PO5,PO12,PSO1,PSO2
17	17QU1A0520	PRATHYUSHA AREPALLI	BIG DATA ANALYSIS	PO1,PO2,PO3,PO4,PO5,PO12,PSO1,PSO2
18	17QU1A0521	PRIYANKA KARRI	NAVIGATION THROUGH AI	PO1,PO2,PO3,PO4,PO5,PO12,PSO1,PSO2
19	17QU1A0522	RAMYA CHATTU	GRAPHICAL PASSWORD AUTHENTICATION	PO1,PO2,PO3,PO4,PO8,PO10,PSO1,PSO2
20	17QU1A0524	RAMYASRI SOMAGANI	BLUE BRAIN	PO1,PO2,PO3,PSO1,PSO2
21	17QU1A0526	SAHITHI KOPURI	E BALL TECHNOLOGY	PO1,PO2,PO3,PSO1,PSO2.
22	17QU1A0527	SAISRI THIMMAREDDY	DEEP AND DARK LAYERS OF WEB	PO1,PO2,PO3,PO4,PSO1

23	17QU1A0528	SANAANJUM MOHAMMED	BIG DATA TECHNOLOGY	PO1,PO2,PO3,PO4,PO12,PSO1,PSO2
24	17QU1A0529	SHIRISHA ALASAKANI	SMART CARD	PO1,PO2,PO3,PO4,PO12,PSO1,PSO2
25	17QU1A0530	SHIVANI CHITTIMALLA	ANDROID ANTIVIRUS APPLICATIONS	PO1,PO2,PO3,PO5,PO10,PO12,PSO1,PSO2
26	17QU1A0531	SHIVANI DEVIREDDY	CYBER NET ORGANIZATION	PO1,PO3,PO4,PO12,PSO1,PSO2,
27	17QU1A0532	SHIVANI MEKALA	TRAFFIC SIGNAL MANAGEMENT	PO1,PO2,PO3,PO5,PSO1,PSO2,PSO3
28	17QU1A0533	SHRAVANI BANTU	CLOUD COMPUTING FOR E-COMMERCE	PO1,PO2,PO3,PO12,PSO1,PSO2,
29	17QU1A0534	SPANDHANA KALLEPELLY	BLUE EYE TECHNOLOGY	PO1,PO2,PO3,PO4,PO6,PSO1,PSO2,PSO3
30	17QU1A0535	SRAVANI GODH UMALA	SILENT SOUND TECHNOLOGY	PO1,PO5,PO6,PO8,PO10,PO12,PSO1,PSO2
31	17QU1A0536	SRAVANTHI DAIDA	REMOTE FILTERING SOFTWARE	PO1,PO2,PO4,PO5,PO6,PO10,PO12,PSO1,PSO2
32	17QU1A0537	SRAVYA BHUKYA	ETHICAL HACKING	PO1,PO2,PO3,PO4,PO5,PO6,PO8,PO12,PSO2,PSO2
33	17QU1A0538	SRUJANA DOMMETI	WIRELESS COMMUNICATION	PO1,PO2,PO6,PO7,PO8,PO10, PO12,PSO1,PSO2,PSO3
34	17QU1A0539	SUPRIYA MOTAMARRI	2/D VISUALIZATION	PO1,PO3,PO5,PO6,PO7,PO10,PSO2
35	17QU1A0540	SUSMITHA INANANURI	CHROME CAST TECHNOLOGY	PO1,PO3,PO5,PO6,PO7,PO10,PSO1,PSO2
36	17QU1A0541	SUSMITHA SHERU	FIBER OPTIC COMMUNICATION	PO1,PO2,PO3,PO4,PO5,PO8,PO9,PO10,PSO1,PSO2
37	17QU1A0542	THRIVENI MAMIDI	CLOUD STORAGE	PO1,PO2,PO3,PSO1,PSO2
38	17QU1A0544	TRIVENI TENETI	WIRELESS LAN SECURITY	PO1,PO2,PO3,PO8,PSO1,PSO2
39	17QU1A0545	VANAJA ANNEM	TOUCH LESS TOUCH SCREEN	PO1,PO2,PO3,PSO1,PSO2

40	17QU1A0546	VANDHANA CHAKRALA	PLASTIC MEMORY	PO1,PO2,PO3,PO5,PO10,PSO1,PSO2
41	17QU1A0547	VENKATA LAKSHMI TULASI KODUMURI	DARO C TECHNOLOGY	PO1,PO2,PO3,PO5,PO10,PSO1,PSO2
42	17QU1A0548	VINEELA VADDEM	QUANTUM COMPUTING	PO1,PO2,PO3,PO4,PO12,PSO1,PSO3
43	18QU5A0501	SRAVANI	BLUETOOTH TECHNOLOGY	PO1,PO2,PO3,PO5,PO6,PO10,PSO1,PSO 2
44	18QU5A0502	SUNITHA	NIGHT VISION TECHNOLOGY	PO1,PO3,PO4,PO5,PO12,PSO1,PSO2.
45	15QUIA0552	TRIVANI	COMPUTER FORENSICS	PO1,PO2,PO4,PO5,PO6,PO8,PO10,PO12, PSO1,PSO2,POS3
46	15QU5A0501	LAKSHMI PRAVEENA	CHILD SAFETY WEARABLE DEVICE	PO1,PO3,PO4,PO6, PO12,PSO1,PSO2.

ACADEMIC YEAR: 2019-20

S.NO	H.NO	STUDENT NAME	SEMINAR TOPIC	RELEVANCE TO PO#, PSO#
1	15QU1A0536	SAI SANGAVI	E-MAIL HACKING SECURITY	PO1,PO2,PO3,PO4, PO9, PO12,PSO1,PSO2.
2	16QU1A0502	ANUSHA MUTHINENI	CHILD SAFETY WEARABLE DEVICE	PO1,PO3,PO4,PO6, PO12,PSO1,PSO2.
3	16QU1A0503	ANUSHA VEMURI	RASBERRY PI	PO1,PO3,PO4,PO5,PO12,PSO1,PSO2.
4	16QU1A0504	ASHWINI PEDAMAMIDI	IOT FOR SMART CITIES	PO1,PO2,PO3,PO5,PO10,PSO1,PSO2.
5	16QU1A0505	BHAVANI NEMMANI	BIOMETRIC TECHNOLOGY	PO1,PO2,PO3,PO4,PO5,PSO1,PSO2.
6	16QU1A0506	CHANDANA PONNAPALLY	MOBILE OPERATING SYSTEM	PO1,PO2,PO4,PO5,PO12,PSO1,PSO2, PSO3.
7	16QU1A0508	GOUTHAMI GUNDA	MIND READING COMPUTER	PO1,PO3,PO5,PO6,PSO1,PSO2.
8	16QU1A0509	GOWTHAMI VEERAMSHETTI	GOOGLE GLASS	PO1,PO2,PO3,PO5,PSO1,PSO2.
9	16QU1A0510	HARITHA GUNDA	HONEY POT	PO1,PO2,PO3,PO4,PO12,PSO1,PSO2, PSO3.
10	16QU1A0511	HIMABINDU PAMPATI	DIGITAL LIBRARY	PO1,PO2,PO3,PO5,PO12,PSO1,PSO2, PSO3.
11	16QU1A0512	KAREESHMA SHAIK	VIRTUAL RETINAL DISPLAY	PO1,PO2,PO3,PO5,PSO1,PSO2.

12	16QU1A0513	KEERTHI KUNTLA	PAPER BATTARY	PO1,PO3,PO5, PSO1,PSO2.
13	16QU1A0514	KRISHNAVENI KATAM	ROBOTICS	PO1,PO2,PO3,PO4,PO5,PO12,PSO1,PSO2,PSO3.
14	16QU1A0516	LAXMI BISTU	EYE GAZE	PO1,PO2,PO3,PO5,PSO1,PSO2.
15	16QU1A0519	MOULI GOBBI	NIGHT VISION TECHNOLOGY	PO1,PO3,PO4,PSO1,PSO2.
16	16QU1A0520	NAGA SHIRISHA SALVADI	DISEASES PREDICTION USING DATAMINING	PO1,PO2,PO3,PO4,PO6,PSO1,PSO2.
17	16QU1A0521	NAGAJYOTHI KOLA	BIG DATA	PO1,PO2,PO3,PO5,PO12,PSO1,PSO2, POS3.
18	16QU1A0522	NAVYA SALVADI	ICLOUD BY APPLE	PO1,PO2,PO3,PO5,PO12,PSO1,PSO2, PSO3
19	16QU1A0523	NIKHITHA SABAVATH	COBRA TECHNOLOGY	PO1,PO2,PO3,PO4,PSO1,PSO2.
20	16QU1A0524	NIKITHA VANGAVEETI	BLACK CHAIN TECHNOLOGY	PO1,PO2,PO3,PO4,PO12,PSO1,PSO2.
21	16QU1A0525	PARIJATHA PINDIPOLU	3D-PASSWORD	PO1,PO2,PO3,PO4,PO12,PSO1,PSO2.
22	16QU1A0526	PAVITHRA SANKALAMADDI	RED TACTION	PO1,PO2,PO3,PO4,PSO1,PSO2.
23	16QU1A0527	PRASANNA POSHAM	COMPUTER FORENSICS	PO1,PO2,PO3,PO5,PO12,PSO1,PSO2, PSO3
24	16QU1A0528	POOJITHA CHEEDELLA	DNA COMPUTING	PO1,PO2,PO3,PO4,PO5,PO12,PSO1,PSO2
25	16QU1A0529	RAMYA SRI RAVU	COMBATING LINK SPAN	PO1,PO2,PO3,PO4,PSO1,PSO2
26	16QU1A0530	SAHITHI KRISHNA BOGGAVARAPU	STORAGE AREA NETWORK	PO1,PO2,PO3,PO5,PO12,PSO1,PSO2, PSO3
27	16QU1A0531	SAI SOWMYA NAGUBANDI	ITWIN TECHNOLOGY	PO1,PO2,PO3,PO5,PSO1,PSO2.
28	16QU1A0532	SAI SRUTHI YEDLA	SECURITY ALARAM SYSTEM	PO1,PO2,PO3,PO4,PO5,PSO1,PSO2.
29	16QU1A0533	SHAILAJA RAVULA	ARTIFICIAL INTELLIGANCE	PO1,PO2,PO3,PO4,PO5,PO12,PSO1,PSO2,PSO3.
30	16QU1A0534	SHAKEERA SHAIK	3D-INTERNET	PO1,PO2,PO3,PO6,PO12,PSO1,PSO2, PSO3
31	16QU1A0535	SHIRISHA KATTOJU	BLUE GENE	PO1,PO2,PO3,PO4,PO5,PSO1,PSO2.
32	16QU1A0536	SHIVANI ADURI	COMPUTER CLOTHING	PO1,PO2,PO3,PO5,PSO1,PSO2.
33	16QU1A0537	SHRUTHI ATTURI	I MODE TECHNOLOGY	PO1,PO2,PO4,PO5,PSO1,PSO2.
34	16QU1A0538	SPANDANA POTLA	SAND BOX TECHNOLOGY	PO1,PO2,PO3,PO5,PSO1,PSO2.
35	16QU1A0539	SRAVANI ALAVALA	DIGITAL WATER MARKING	PO1,PO2,PO3,PO4,PSO1,PSO2.
36	16QU1A0540	SREEJA BATHULA	FIREWALLS	PO1,PO2,PO3,PO4,PO5,PO12,PSO1,PSO2,PSO3

37	16QU1A0541	SRIDEVI ADPULA	EYE RING TECHNOLOGY	PO1,PO2,PO3,PSO1,PSO2.
38	16QU1A0542	SRILAXMI KANDARABOINA	GRAPHICAL PASSWORD AUTHENTICATION	PO1,PO2,PO3,PO4,PSO1,PSO2.
39	16QU1A0544	SWAPNA KUNCHAPU	FACE RECOGNIGATION	PO1,PO2,PO3,PO4,PO12,PSO1,PSO2, PSO3.
40	16QU1A0545	SWAPNA THANDU	WEB OPERATING SYSTEM	PO1,PO2,PO3,PO4,PO5,PO12,PSO1,PSO2,PSO3
41	16QU1A0546	SWATHI BHUKYA	CYBER NET ORGANIZATION	PO1,PO3,PO4,PO12,PSO1,PSO2,PSO3.
42	16QU1A0547	SWATHI REDDY KOTHA	DIGITAL WATER MARKING OF MEDICAL IMAGE TECHNOLOGY	PO1,PO2,PO3,PO5,PSO1,PSO2.
43	16QU1A0548	TAPASWINI GARLAPATI	MOBILE JAMMERS	PO1,PO2,PO3,PO4,PO5,PSO1,PSO2.
44	16QU1A0549	TEJASRI MANDAVA	HADOOP	PO1,PO2,PO3,PO4, PO12,PSO1,PSO2.
45	16QU1A0550	THRIVENI BURRI	PALLADIUM CRYPHTO GRAPHY	PO1,PO2,PO3,PO4,PO12,PSO1,PSO2.
46	16QU1A0551	UMA MAHESHWARI SANKURI	DEEP AND DARK LAYERS OF WEB	PO1,PO2,PO3,PO4,PO5, PO12,PSO1,PSO2,PSO3.
47	16QU1A0552	USHA RANI LAKKA	SELF DRIVING CAR	PO1,PO2,PO3,PO5, PO12,PSO1,PSO2,PSO3.
48	16QU1A0553	VENKATA SHIVA NAGA SHAMBHAVI SIDDAM	SMS BASED NOTICE BOARD	PO1,PO2,PO3,PO4,PO5, PSO1,PSO2.
49	16QU1A0554	VINDHYA GUNDU	EYE-OS	PO1,PO2,PO3,PO4,PO5,PO12,PSO1,PSO2,PSO3
50	16QU1A0555	YOGITHA MEDABOINA	ROBOTIC PROCESS AUTOMATION	PO1,PO2,PO3,PO5, PO12,PSO1,PSO2,PSO3.
51	16QU1A0556	MALLIKA	SPEED DECTION OF MOVING VEHICLE RUNNING CAMERA	PO1,PO2,PO3,PO4,PO5,PSO1,PSO2.
52	17QU5A0501	M. ASWINI	E-PAPER TECHNOLOGY	PO1,PO2,PO3,PSO1,PSO2.
53	17QU5A0502	LAXMI PRAVEENA K	E-BALL TECHNOLOGY	PO1,PO2,PO3,PSO1,PSO2.
54	17QU5A0503	RAJITHA B	AIR TRAFFIC CONTROL	PO1,PO2,PO3,PO4,PO5, PSO1,PSO2.

IMPACTING KNOWLEDGE THROUGH ACTIVITY BASED LEARNING

1. NAME OF THE ACTIVITY: CODE CONVERTING

Student Name: K. Krishnaveni (16QU1A0514)

Faculty Name: Ch. Suresh Kumar

Class: B. Tech III Year

Subject: Cryptography & Network Security

Topic: Converting Plain text in to Cipher text

2. NAME OF THEACTIVITY: ROLE PLAY

Faculty Name: A.NANDINI SREE

Class: B. Tech IV Year

Subject: DATA MINING

Topic: Smoothing of Noisy Data using Binning method: Equal-depth (frequency) partitioning

3. NAME OF THE ACTIVITY: TEAM WORK

Faculty Name: K.LAXMAIAH

Class: B. Tech I Year

Subject: Programming for Problem Solving

Topic: Solving a Problem

4. NAME OF THE ACTIVITY: DEMONSTRATION

Faculty Name: I.SURYA SEKHAR

Class: B. Tech II Year

Subject: DATA STRUCTURES

Topic: TOWERS OF HANOI

METHODOLOGIES OF DEPARTMENT

- To support weak students & encourage bright students

Methodologies of Department to Support Weak Students

Time tables to be provided for remedial classes

- Process to identify weak students: Weak students are identified by mentoring, participation in regular theory and practical classes, assessment based on internal exams & analyzing the end exam results.

- Process to support weak students: Weak students are encouraged by counseling (guidance in resolving personal or psychological problems), mentoring based on assessment of mid marks.
- Remedial Courses are conducted for the weak students by analyzing the end exam results course-wise and is usually conducted in seminar/library/sports hours/after college hours by the respective/senior faculty.

Encouragement to Bright Students

- **Methodology to identify bright students**

Advanced learners (bright students) are identified through the following:

The advanced learners are encouraged to participate in more number of paper presentations, symposiums, conferences, mini-project exhibitions ….etc

- Guided to get internship training with leading industries
- Motivated to take up competitive exams
- Facilitated to borrow more number of books from Department Libraries
- Self-learning courses are provided for advanced learners and the digital library is provided with NPTEL and other courseware.

Impact of Bright students encouraging mechanisms:

Department faculty acts as mentors to encourage bright students not only to bring their best academic performances but also to excel in

- Competitive examinations
- Communication & Presentation skills by participating in various National level Technical Symposiums

A.Y 2020-21 List of students Qualified in PGECET				
SNO	**HTNO**	**NAME OF THE STUDENT**	**PGECET HTNO**	**PGECET RANK**
1	17QU1A0517	PAVITHRA GUNDE	9301073560	651
2	17QU1A0535	SRAVANI GODHUMALA	9303073928	1182
3	17QU1A0506	DIVYA POTHUGANTI	9402070970	1851
4	17QU1A0513	MANISHA KEETHA	9301073700	951
5	17QU1A0537	SRAVYA BHUKYA	9301073502	730
6	17QU1A0528	SANAANJUM MOHAMMED	9303073669	1293
7	17QU1A0534	SPANDHANA KALLEPELLY	9401071042	1799

A.Y 2019-20 List of students Qualified in PGECET				
SNO	**HTNO**	**NAME OF THE STUDENT**	**PGECET HTNO**	**PGECET RANK**
1	16QU1A0548	G.TAPASWINI	9107070027	274
4	16QU1A0535	K. SHIRISHA	9101074596	440
5	16QU1A0552	L. USHARANI	9110070444	607
3	16QU1A0531	N. SAI SOWMYA	9205070087	625
2	16QU1A0521	K. NAGAJYOTHI	9101073992	745
6	16QU1A0540	B. SREEJA	9108070236	879

Some exhibits are presented below:


TSPGECET - 2021 RANK CARD :: OSMANIA UNIVERSITY HYDERABAD

Test Paper Code and Name: CS-COMPUTER SCIENCE & INFORMATION TECHNOLOGY

Hall Ticket No. : 9301073560
Candidate's Name : GUNDE PAVITHRA
Father's Name : GUNDE RAMESH
Community : SC
Date of Birth : 05/06/1999

Marks Obtained: 41 | Percentile: 68.3366
Rank: 651

CONVENER
TS PGECET-2021


TSPGECET - 2020 RANK CARD :: OSMANIA UNIVERSITY HYDERABAD

Hall Ticket No. : 9108070236
Candidate's Name : BATHULA SREEJA
Father's Name : BATHULA BALAIAH
Test Paper : COMPUTER SCIENCE & INFORMATION TECHNOLOGY
Community: SC
Date of Birth: 02/08/1999
Marks Obtained : 32
Rank : 879
Percentile : 55.3580

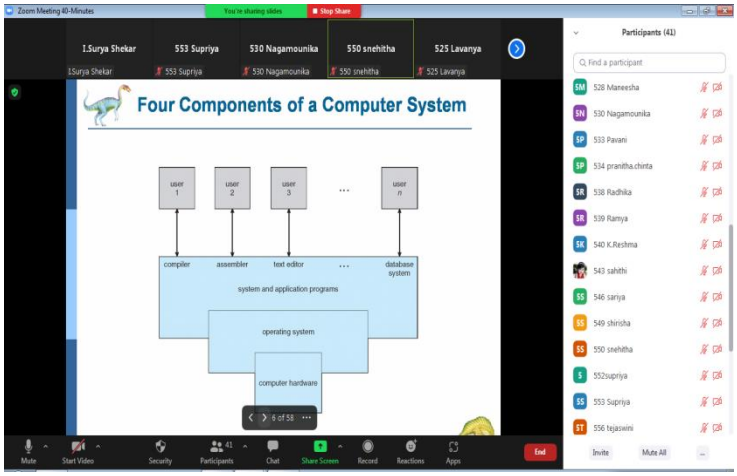
CONVENER
TS PGECET-2020

QUALITY OF CLASSROOM TEACHING:

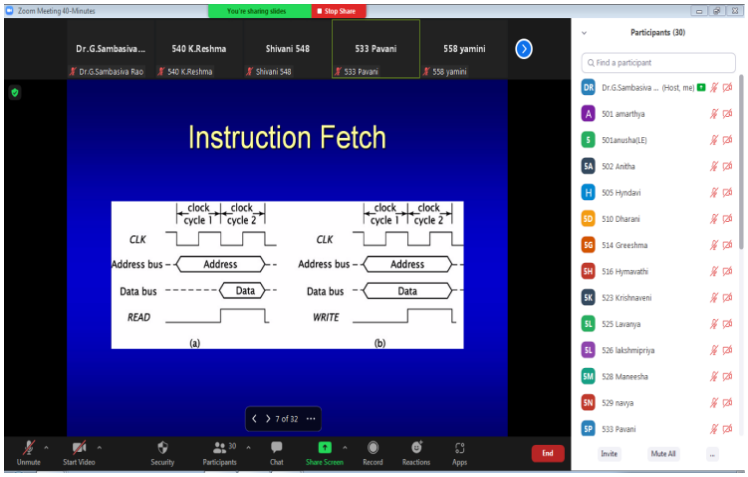
The following innovative teaching methods are adopted by the faculty:

- A teacher is very engaging and shows the attention of students in all discussions.
- Effective discipline skills, Knowledge of curriculum and standards
- Computers are used for teaching purposes and internet facility is available to students and faculty.
- Faculty members are taking advantage of sources like National Programmed on Technology Enhanced Learning (NPTEL), internet sources for effective teaching.
- Smart Board, LCDs etc .are used for teaching purposes.
- Well-structured lesson plans are prepared for all theory and practical courses, scrutinized by HOD
- Online availability of various journals in the intranet.

Sample:

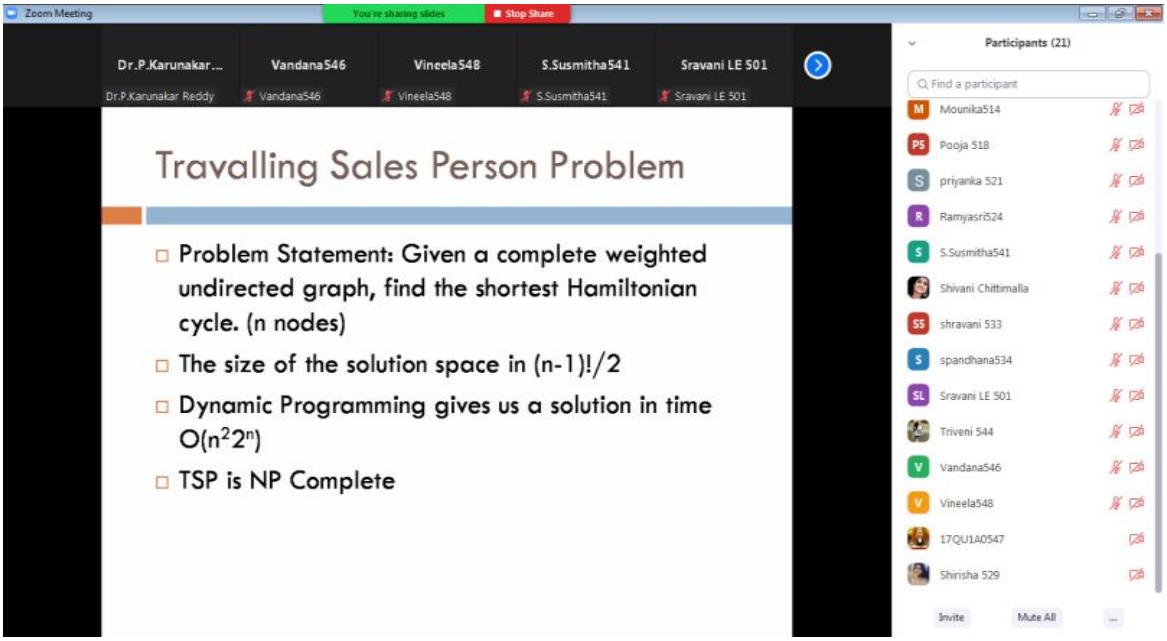


OPERATING SYSTEMS

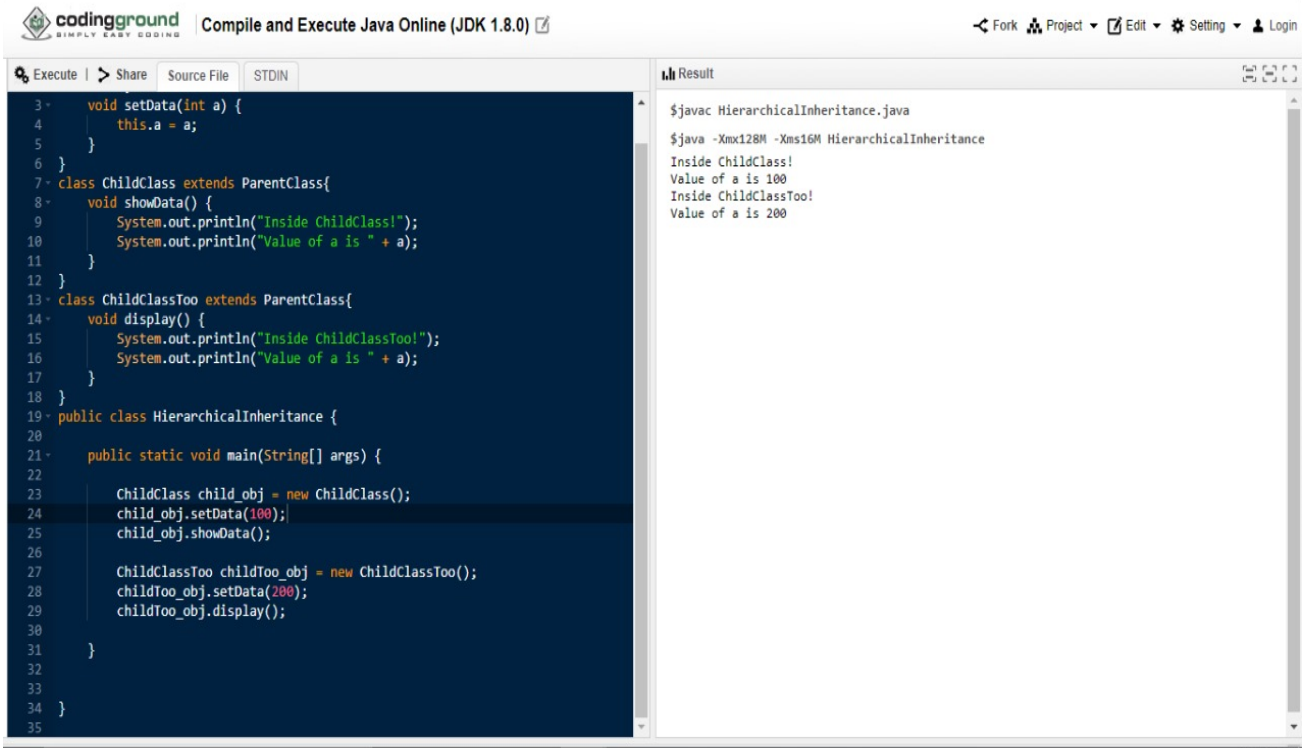


COMPUTER ORGANIZATION & ARCHITECTURE

PYTHON PROGRAMMING



ADVANCED ALGORITHMS



Topic: Inheritance

Subject: Object-Oriented Programming through Java

Year: II B.Tech I Sem

Faculty Name: M.VIJETHA

Conduct of Experiments & Continuous Assessment in the Laboratory

A. Experimental learning:

Students shall do two laboratory courses per semester from 2nd to 7th semesters. The entire laboratory has excellent facilities for the conduct of the experiments & detailed instruction manuals are provided. The observations are checked and verified by faculty and record books are maintained systematically.

ACADEMIC YEAR: 2020-21

S. No	LABORATORY NAME	Class & Semester	REGULATION	STUDIES	Relavance to PO#,PSO#
1	Programming for Problem Solving	I-II	R18	Student understands programming concepts & develops simple C programs	PO1,PO2,PO3,PO4,PO5, PO12,PSO1,PSO2,PSO3
2	Data Structures Lab	II-I	R18	Student learns sorting searching techniques	PO1,PO2,PO3,PO4,PO5, PO9,PO11,PO12, PSO1,PSO2, PSO3
3	IT Workshop	II-I	R18	Student acquire knowledge on computer concepts	PO1,PO2,PO3,PO4,PO5, PO9,PO10,PO11,PO12, PSO1, PSO2,PSO3
4	C++ Programming Lab	II-I	R18	Student learns data abstraction and inheritance and polymorphism	PO1,PO2,PO3,PO12, PSO1, PSO2,PSO3

5	Operating Systems Lab	II-II	R18	Student learns process & resource scheduling concepts..	PO1,PO2,PO 3,PO4,PO5,P O9,PO11,PO12,PSO1,PS O2,PSO3
6	Data Base Management System Lab	II-II	R18	Student acquires knowledge of database concepts. Create Database, store and Manipulate using Normalization. Develop Application on database.	PO1,PO2,PO 3,PO4,PO5,P O8,PO11,PO12,PSO1,PS O2,PSO3
7	Java Programming Lab	II-II	R18	Students acquire the knowledge of OOPS concepts Exceptional Handling,	PO1,PO2,PO3,PO4,PO9, PO11,PO12,PSO1,PSO2, PSO3
8	Software Engineering Lab	III-I	R18	Student understands phases of project & develops design for any project..	PO3,PO4,PO5,PO8,PO10 ,PO11,PO12,PSO1,PSO2
9	Computer Networks & Web Technologies Lab	III-I	R18	Student acquire the knowledge on routing algorithms & different protocols used in TCP/IP protocol suite, Students can develop dynamic web based applications.	PO1,PO2,PO3,PO4,PO5, PO12,PSO1,P SO2,PSO3
10	Machine Learning Lab	III-II	R18	Student should Applying common Machine Learning algorithms in practice and implementing their own	PO1,PO2,PO3,PO4,PO5 PO12,PSO1,PSO2,PSO3

11	Compiler Design Lab	III-II	R18	Student acquires the knowledge on design, develop, and implement a compiler for any language.	PO1,PO2PO3,PO5,PO11, PSO1,PSO2,PSO3
12	Scripting Languages Lab	III-II	R18	Student Understands the applications the of Ruby, TCL, Perl scripting languages	PO1,PO2,PO3,PO4,PO5, PO12, PSO1,PSO2,PSO3
13	Cryptography and Network Security Lab	IV-I	R18	Student acquires knowledge on security concepts	PO1,PO2,PO 3,PO4,PO5, PO12,PSO1,PSO2,PSO3

Laboratory teaching has been given high importance in the teaching-learning process. The class teacher gives demonstration regarding the conduct of experiment prior to the start of lab. Each lab class teacher maintains the day to day evaluation records of student performance. For all UG laboratory courses, the internal evaluation of practical courses is for **25** marks, out of 25 marks the day-to-day assessment is for 15 marks & lab internal for 10 marks and the end semester lab examination carries a weightage of 50marks.The day-to-day performance of the student in the laboratory includes 15 marks for the conduct of experiment, observation, viva in regular laboratory course, which promotes continuous internal assessment in the laboratory courses.

The faculty member acts as internal examiner and external examiner is appointed by the head of the department for end semester examinations. The Lab external examination is for 50 marks.

Rubrics used for continuous evaluation in every lab session

Parameters	Allocated Marks	High	Medium	Low
Conduction	6	Given Program executed with output.	Given program was partially executed in the lab session.	Given program was not executed in the lab session.
		4-6 Marks	1-3 Marks	0Mark
Viva Voce	3	Student answered all the viva voce questions	Student Answered only a few viva voce questions	Student did not answer any viva voce question
		2-3 Marks	1-2 Marks	0Mark
Record writing	6	Completed record was submitted	Record was submitted but incomplete	Record was not submitted in the lab session
		4-6 Marks	1-3 Marks	0Mark

Rubrics used for Evaluation of Internal Lab Examination:

Parameters	Allocated Marks	High	Medium	Low
Write up	4	Student was able to write Program/algorithmwritten correctly.	Student was able to w r i t e program partially known.	Student was unable to write program/algorithm.
		3-4Marks	1-2 Marks	0Mark
Execution	4	Student was able write the given program with output.	Student was partially able to write the given program.	Student was not able to write given program
		3-4Marks	1-2 Marks	0Mark
Viva Voce	2	Student answered all the questions.	Student answered only few question	Student did not answer any question
		2 Mark	1 Mark	0 Mark

2.2.2 Quality of internal semester Question papers, Assignments and Evaluation (20)

Initiatives and Implementation details for improving the quality of Internal Semester Question papers (Internal Assessment Test)

Program Outcome Assessment Committee (POAC) examines the question papers before conduct of the examination and ensures that the quality of the question paper is set as per the syllabus and duly following the requirement of COs for the purpose of evaluation.

The performance of students in the university exams and in other competitive exams solely depends how the department conducts and evaluates the internal examinations.

- The department conducts two internal assessment tests at 6th and 12th week respectively.
- Each test covers one and half of the syllabus.
- The tests are conducted for a maximum of 25 marks. (No minimum marks criteria from the university).

Internal Exam Question Papers:

The duration of the test is one hour and question paper are set to make the student to learn time management

- While setting the question paper all previous university exam papers are taken into consideration.
- According to level of toughness the questions are prepared(viz.,analyzingtheproblems, implementation of modern tools, formulating the problems etc), which is termed as Bloom's Taxonomy.

The questions in the question paper will be of three categories:

- One third of the questions is straight and can be answered by all students.
- One third of the questions need analysis and use of content covered as per syllabus.

- Remaining one third of the questions is not straight. Certain amount of thinking, analysis and mathematical knowledge are required to resolve.

Assignments

- Assignment issue and submission dates are announced by the respective faculty members.
- Assignment questions are prepared using Bloom's Taxonomy process.
- Surprise tests, quizzes, video links are provided.
- In order to bridge the gap in curriculum, bright students are given some assignment beyond syllabus.

Evaluation

- The faculties after every internal assessment test they explain the solution of the questions in the class which will enable them to perform well in the final examination.
- The average of the marks obtained from two tests are chosen for the award of internal assessment marks. If a candidate remains absent for all the tests conducted, the Internal assessment marks are marked as "Absent" in the result.
- Assignments are used as a tool for practice and evaluation is based purely on Internal Assessment Test.

Sample Question Paper:

KODADA INSTITUTE OF TECHNOLOGY & SCIENCE FOR WOMEN
II B.T.ECH II SEM I MID EXAMINATIONS FEB-2020

Sub: JAVA PROGRAMMING
BRANCH: CSE

Date: 12-02-2020 **Dur: 1 hr**

.....

Answer any TWO of **the following questions**

Q.No	Questions	Marks	CO#	CL#
1	How to handle multiple catch blocks for a try block? Explain with an example.	5	CO3	CL3
2	What are the benefits of inheritance? Explain the various forms of inheritance with suitable code segments	5	CO1	CL2
3	What feature of Java makes it platform independent and portable?	5	CO1	CL2
4	How to define a package? How to access, import a package? Explain with examples.	5	CO2	CL2

Impact of Internal Examinations

- Improvement in overall performance of students thus improves the placement andhigher studies.
- The stimulating environment made students to plan their study plan forbetter performance.

2.2.3 QUALITY OF STUDENT PROJECTS (25)

Project-based learning:

The students carry out their project work in their VIII semester. The Department follows standard procedure to ensure that students do a quality project. The students select a project in line with their area of interest. Students are encouraged to do project work on real world examples.

Appropriate methodologies are in place to monitor the project work continuously till the end of the project. At the end of the project, students are encouraged to publish paper in Journals and conferences and apply for patent.

PART-A: TYPES OF PROJECTS

Classification of projects is done according to following categories:

Application oriented: Projects are performed where the target is to achieve any real life application. In this category of project, design and manufacturing component is less as most of the parts are available on the shelf, which are assembled together.

Design oriented: Design and manufacturing is performed from the scratch. In this category, at least one iteration of design, manufacturing, testing and then modified design is expected.

Research oriented: Extensive review of literature is done, which aims to learn new methods or procedures and validate results.

Project Group:

- Students are allowed to form groups consisting of minimum two or maximum of five members.
- If the students are not able to form the group, then the project coordinator will help them to form the group

S.No	Project Work Outcome	Correlation with PO#/PSO#
1	Carrying out the Literature survey related to topic	PO1, PO6 PSO1,PSO2,PSO3
2	Carrying out investigations/conducting experiments / simulations in relation to the problem.	PO2,PO3,PO4,PO5,PO9 PSO1,PSO2,PSO3
3	Problem Analysis and solution finding for problem	PO2,PO7,PO8 PSO1,PSO2,PSO3
4	Organization and presentation of results	PO9,PO10,PO11, SO1,PSO2,PSO3
5	Thesis presentation and defense	PO8,PO10,PO11,PO12, PSO1,PSO2,PSO3
6	Social Relevance, Environment	PO6,PO7,PO8

Projects identification and guide allotment process:

The project coordinator instructs the students to identify the project titles and submit the synopsis adhering to the timelines decided by the HOD. Some of the areas identified by the project coordinator are:

- Computer Networks
- Image Processing
- Data Mining
- Security
- Data Bases
- Artificial Intelligence
- Machine Learning

Process for monitoring and evaluation of project:

- The project internal evaluation shall be done by conducting three internal reviews by the Project Review Committee (PRC).
- Project work is evaluated for 100 marks, 25 marks for internal evaluation and 75 marks for the end semester examination.
- Weekly reviews shall be conducted by respective guides to know the status of projects.
- Rules are prepared for internal evaluation of project.
- The external examination conducted by the committee, the committee consisting of an external examiner, head of the department, the supervisor of the project and a senior faculty member of the department.

PART-B: RUBRIC FOR B.TECH PROJECT EVALUATION

The department of CSE has developed following rubrics for evaluating quality of projects and for award of marks.

Rubric for Identification of Best Projects:

- The best project works are identified based on:
- The number of POs/PSOs addressed through project works.
- Internal /PRC Evaluation.
- External Examiner remarks and Marks awarded.
- Outside Participations/Project Expo.

Distribution of Project External Marks			
S.No	**Module Name**	**Marks**	**Grand Marks**
1	Carrying out the Literature survey related to topic	10	75 Marks
2	Carrying out investigations /conducting experiments/ simulations in relation to the problem.	15	
3	Problem Analysis and solution finding for problem	20	
4	Organization and presentation of results	10	
5	Thesis presentation and defense	15	
6	Social Relevance, Environment	5	
Distribution of Project Internal Marks			
S.No.	**Module Name**	**Marks**	**Grand Marks**
1	Carrying out the Literature survey related to topic	3	25 Marks
2	Carrying out investigations /conducting experiments/ simulations in relation to the problem.	8	
3	Problem Analysis and solution finding for problem	7	
4	Organization and presentation of results	3	
5	Thesis presentation and defense	3	
6	Social Relevance, Environment	1	

Impact of Project Works allotment to students and its evaluation

The method of assigning project works and its mechanisms for evaluation process has considerable impact in excellence of student practical skills. The department jury has the practice of awarding prizes for the best projects.

LIST OF PROJECTS DONE BY CSE STUDENTS WITH ASSESSMENT

Major Project – 2020-21

Batch No	H.T.No	Name of the Student	Title of the project	Name of the Guide	Types of Relevance	Relevance to POs & PSOs
1	17QU1A0530	**Ch.Shivani**	**Multi-Traffic Scene Perception Based on Supervised Learning**	**Dr P.Sravanthi**	**Application**	**PO1,PO2,PO3, PO4,PO5,PO6, PO9,PO10,PO11, PSO1,PSO2**
	17QU1A0518	D.Pooja				
	17QU1A0520	A.Prathyusha				
	17QU1A0536	D.Sravanthi				
	17QU1A0501	Ch.Akshaya				
2	17QU1A0514	**M.Mounika**	**A User-Centric Machine Learning Framework For Cyber Security Operations Center**	**K.Laxmaiah**	**Research**	**PO1,PO2,PO3, PO4,PO5,PO6, PO8,PO9,PO11, PO12,PSO1,PSO2, PSO3**
	17QU1A0526	k.sahithi				
	17QU1A0541	S.Susmitha				
	17QU1A0534	K.Spandhana				
	17QU1A0502	J.Anusha				
3	17QU1A0513	**K.Manisha**	**Designing Cyber Insurance Policies: The Role of Pre-Screening and Security Interdependence**	**Dr G.Samba Siva Rao**	**Review**	**PO1,PO2,PO3, PO4,PO6, PO8,PO9,PO11, PO12,PSO1,PSO2, PSO3**
	17QU1A0517	G.Pavithra				
	17QU1A0545	A.Vanaja				
	17QU1A0519	V.Prasuna				
	17QU1A0540	I.Sushmitha				
4	17QU1A0546	**Ch.Vandana**	**Spammer Detection and Fake User Identification on Social Networks**	**M.Vijetha**	**Application**	**PO1,PO2,PO3, PO5,PO6,PO8, PO9, PSO1,PSO2**
	17QU1A0503	B BindhuSree				
	17QU1A0542	M.Triveni				
	17QU1A0505	B.Divya				
	17QU1A0521	k.Priyanka				

5	17QU1A0538	D.Srujana	**String Similarity Search: A Hash-Based Approach**	**Dr K.G.S.Venkateshan**	**Review**	**PO1,PO2,PO3, PO5,PO9,PO11, PSO1,PSO2**
	17QU1A0539	M.Supriya				
	17QU1A0506	P.divya				
	17QU1A0522	Ch.Ramya				
	17QU1A0544	T.Triveni				
6	17QU1A0547	**KVL.Tulasi**	**Semi-supervised machine learning approach for DDoS detection**	**Dr P.Karunakar Reddy**	**Research**	**PO1,PO2,PO3, PO4,PO9,PO11, PSO1,PSO2,**
	17QU1A0510	B.Kavya Sri				
	17QU1A0509	M.Haneefa				
	17QU1A0548	V.Vinnela				
	17QU1A0531	**SHIVANI D**				
7	17QU1A0535	G.Sravani	**Characterizing and Predicting Early Reviewers for Effective Product Marketing on E-Commerce Websites**	**Dr N.Lakshmi Priya**	**Review**	**PO1,PO2,PO3, PO5,PO6,PO7, PO8,PO9,PO10, PSO1,PSO2**
	17QU1A0533	B.shravani				
	17QU1A0524	S.Ramya Sri				
	17QU1A0515	S.Nagalaxmi				
	18QU5A0502	A.Sunitha				
8	17QU1A0532	**M.Shivani**	**Exploratory Visual Sequence Mining Based on Pattern-Growth**	**CH.Rudrama Devi**	**Review**	**PO1,PO2,PO3,PO4 PO5,PO9,PO11, PO12,PSO1,PSO2**
	18QU5A0501	B.Sravani				
	17QU1A0512	B.Maneesha				
	17QU1A0516	L.Navya				
	17QU1A0527	T.Saisree				
9	17QU1A0528	**MD.Sana Anjum**	**Modeling And Predicting Cyber Hacking Breaches**	**T.VARA PRASAD**	**Research**	**PO1,PO2,PO3, PO8,PO9,PO11, PO12,PSO1,PSO2**
	17QU1A0529	A.Shirisha				
	17QU1A0507	V.Bhavani				
	17QU1A0537	B.Sravya				
	15QU5A0501	Lakshmi Prasanna				
	15QU1A0552	Triveni K				

Major Project - 2019-20(CAY)

Batch No	Roll No	NAME OF THE STUDENT	PROJECT TITLE	Guide Name	Types of Relevance	Relevance to POs & PSOs
1	**16QU1A0514**	**K. Krishnaveni**	**DRIVER DROWSINESS MONITORING SYSTEM USING VISUAL BEHAVIOR AND MACHINE LEARNING**	**Dr. K. VENKATESHAN**	**Application**	**PO1,PO2,PO3,PO5,PO6, PO9,PO10,PO11, PSO1,PSO2**
	16QU1A0528	Ch.Poojitha				
	16QU1A0530	B. Sahithi Krishna				
	17QU5A0503	B. Rajitha				
2	**16QU1A0524**	**V. Nikitha**	**USER CENTRIC MACHINE LEARNING FRAMEWORK FOR CYBER SECURITY OPERATIONS CENTER**	**Dr. G.SAMBASIVA RAO**	**Application**	**PO1,PO2,PO3,PO5,PO6, PO8,PO9,PO10,PO11,PSO1,PSO2**
	17QU5A0502	K. Laxmi Praveena				
	16QU1A0505	N. Bhavani				
	16QU1A0539	A. Sravani				
	16QU1A0535	K. Shirisha				
3	**16QU1A0548**	**G.Tapaswini**	**A DEEP LEARNING FACIAL RECOGNITION BASED ON SCORING SYSTEM FOR RESTAURANTS - PYTHON AND DEEP LEARNING**	**Dr. P. KARUNAKAR REDDY**	**Application**	**PO1,PO2,PO3,PO5,PO7, PO9,PO10,PO11,PSO1,PSO2**
	16QU1A0552	L. Usha Rani				
	16QU1A0506	P. Chandana				
	16QU1A0509	V. Gowthami				
4	**16QU1A0504**	**P. Ashwini**	**CHARACTERIZING AND PREDICTING EARLY REVIEWERS FOR EFFECTIVE PRODUCT MARKETING ON E - COMMERCE WEBSITES**	**Dr. P.SRAVANTHI**	**Review**	**PO2,PO3,PO5,PO8,PO9, PO10,PO11, PSO1, PSO2**
	16QU1A0555	M. Yogitha				
	16QU1A0525	P. Parijatha				
	16QU1A0511	P.Hima Bindu				

5	**16QU1A0551**	**S.Uma Maheshwari**	**CONVOLUTION NEURAL NETWORKS FOR CLASSIFYING SENTIMENTS ON MOVIE REVIEWS**	**Dr. K.VENKATA RAMANA**	**Review**	**PO1,PO2,PO3,PO5,PO8, PO9,PO10,PO11,PSO1,PSO2**
	16QU1A0545	T. Swapna				
	16QU1A0538	P. Spandana				
	16QU1A0533	R. Shailaja				
	16QU1A0519	G. Mouli				
6	**16QU1A0508**	**G.Gouthami**	**A DETAILED INVESTIGATION AND ANALYSIS OF USING MACHINE LEARNING TECHNIQUES FOR INSTRUCTION DETECTION**	**B.PRAVEEN KUMAR**	**Research**	**PO1,PO2,PO3,PO4,PO5, PO6,PO8,PO9, PO10,PO11, PSO1,PSO2**
	16QU1A0554	G. Vindhya				
	16QU1A0534	Sk. Shakeera				
	16QU1A0553	S. Naga Shambavi				
	16QU1A0513	K. Keerthi				
7	**16QU1A0532**	**Y. Sai Shruti**	**CRIME DATA ANALYSIS**	**CH.SURESH KUMAR**	**Research**	**PO2,PO3,PO5, PO8,PO9, PO10,PO11, PSO1,PSO2**
	16QU1A0510	G. Haritha				
	16QU1A0529	R. Ramya Sri				
	17QU5A0501	M. Ashiwini				
	16QU1A0512	Sk. Karishma				
8	**16QU1A0521**	**K. Naga Jyothi**	**ROBUST MALWARE DETECTION FOR IOT(BATTLE FIELD) DEVICES USING DEEP EIGEN SPACE LEARNING ALGORITHM**	**Dr. N. LAKSHMI PRIYA**	**Application**	**PO1,PO2,PO3,PO5,PO6, PO9,PO10, PO11,PSO1, PSO2**
	16QU1A0526	S. Pavithra				
	16QU1A0549	M. Teja Sri				
	16QU1A0546	B. Swathi				
9	**16QU1A0531**	**N. Sai Sowmya**	**ANALYSIS OF WOMEN SAFETY IN INDIAN CITIES USING MACHINE LEARNING ON TWEETS - PYTHON**	**M.VIJETHA**	**Research**	**PO1,PO2,PO3,PO5,PO6, PO7, PO9,PO10, PO11,PSO1, PSO2**
	16QU1A0522	S. Navya				
	16QU1A0516	B. Lakshmi				
	16QU1A0542	K. Srilaxmi				
	16QU1A0547	K. Swathi Reddy				

10	**16QU1A0540**	**B. Sreeja**	**ANALYSIS OF THE LOGISTIC MODEL FOR ACCIDENT SEVERITY ON URBAN ROAD ENVIRONMENT**	**K.LAXMAIAH**	**Application**	**PO2,PO3,PO4,PO5,PO6, PO7,PO9,PO10,PO11,PSO1,PSO2**
	16QU1A0556	D. Mallika				
	16QU1A0520	S. Naga Shirisha				
	15QU1A0536	K. Sai Sangavi				
11	**16QU1A0550**	**B. Thriveni**	**PREDICTION OF HEART DISEASE USING MACHINE LEARNING ALGORITHMS**	**S.JYOTHSNA**	**Review**	**PO1,PO2,PO3,PO5,PO9, PO10,PO11, PSO1,PSO2**
	16QU1A0503	V. Anusha				
	16QU1A0544	K.Swapna				
	16QU1A0541	A. Sridevi				
	16QU1A0536	A. Shivani				
12	**16QU1A0523**	**S. Nikhitha**	DATA ANALYTIC APPROACH TO THE CYBER CRIME UNDERGROUND ECONOMY MACHINE LEARNING	**N.SANDHYA**	**Application**	**PO1,PO2,PO3,PO5,PO6, PO8,PO9,PO10,PO11,PSO1,PSO2**
	16QU1A0537	A. Shruthi				
	16QU1A0527	P. Prasanna				
	16QU1A0502	M. Anusha				

Major Project – 2018-2019(CAYm1)

Batch No	Roll No	NAME OF THE STUDENT	PROJECT TITLE	Guide Name	Types of Relevance	Relevance to POs & PSOs
1	**15QU1A0556**	**CH.VIJAYA LAXMI**	**AN EFFECTIVE DIFFERENTIAL PRIVACY FOR HOSPITAL DATA USING MCDB SCAN**	**Dr. K. VENKATESHAN**	**Application**	**PO1,PO2, PO3,PO5,PO6,PO8, PO9,PO10, PO11, PSO1, PSO2**
	15QU1A0547	A.SREELEKHA				
	15QU1A0516	N.LAVANYA				
	15QU1A0541	B.SINDHU				
	15QU1A0525	P.NAVYA				

2	**15QU1A0529**	**G.PRASHANTHI**	**CREDIT CARD FRAUD DETECTION ON SKEWED DATA USING VARIOUS CLASSIFICATION AND ENSEMBLE TECHNIQUES**	**Dr. G.SAMBA SIVA RAO**	**Application**	**PO1,PO2, PO3,PO4 PO5,PO6, PO8,PO9, PO10,PO11, PSO1,PSO2**
	15QU1A0553	K.TULASI				
	15QU1A0533	J.RAJYALAXMI				
	15QU1A0540	CH.SHAILAJA				
	15QU1A0531	M.PRIYANKA				
	15TK1A0251	P.MANJUSHA				
3	**15QU1A0504**	**T.AVILASHA**	**THROTTLED LOAD BALANCING USING CLOUD ANALYST**	**Dr. P. KARUNAKAR REDDY**	**Review**	**PO1,PO2,PO3, PO5,PO9,PO10, PO11,PSO1, PSO2**
	15QU1A0515	V.LAXMI				
	15QU1A0507	P.DIVYAJYOTHI				
	15QU1A0502	B.ANJALI				
	15QU1A0506	M.BHARGAVI				
4	**15QU1A0534**	**M.RAJYALAXMI**	**A NETWORK BASED SPAM DETECTION FRAMEWORK FOR REVIEWS IN ONLINE SOCIAL MEDIA**	**Dr. K.VENKATA RAMANA**	**Review**	**PO1,PO2,PO3, PO5,PO6,PO8, PO9,PO10,PO11, PSO1,PSO2**
	15QU1A0517	V.MAMATHA				
	15QU1A0544	G.SOWMYA				
	15QU1A0539	SK.SHAHANA				
	15QU1A0524	M.NAVYA				
5	**15QU1A0537**	**G.SAMATHA**	**A LIGHTWEIGHT SECURE DATA SHARING SCHEME FOR MOBILE CLOUD COMPUTING**	**M.VIJETHA**	**Application**	**PO1,PO2,PO3,PO4 PO5,PO9,PO10, PO11,PSO1, PSO2**
	15QU1A0520	K.MOUNIKA				
	15QU1A0522	K.NANDINI				
	15QU1A0530	S.PRATHYUSHA				
	15QU1A0518	B.MANEESHA				
6	**15QU1A0523**	**V.VINITHA**	**MAPPING USERS ACROSS SOCIAL MEDIA PLATFORMS BY INTEGRATING TEXT&STRUCTURE INFORMATION**	**Dr. N. LAKSHMI PRIYA**	**Review**	**PO1,PO2,PO3,PO4 PO5,PO9,PO10, PO11,PSO1, PSO2**
	15QU1A0551	P.TEJASWINI				
	15QU1A0554	R.VASANTHA				
	15QU1A0532	P.PRIYANKA				
	15QU1A0543	G.SNEHA				

7	**15QU1A0521**	**S.NAGANIKHITHA**	**QUALITY AND PROFIT ASSURED TRUSTED CLOUD FEDERATION FORMATION GAME BASED THEORY APPROACH**	**B.PRAVEEN KUMAR**	**Research**	**PO1,PO2,PO3, PO4,PO5, PO9,PO10,PO11, PSO1,PSO2**
	15QU1A0519	K.MOUNIKA				
	15QU1A0526	R.NIKHILA				
	15QU1A0510	CH.JYOTHI				
	16QU5A0501	SHIRISHA				
8	**15QU1A0542**	**M.SINDHUJA**	**INNOVATIVE SIGNATURE BASED INTRUSION DETECTION SYSTEM**	**K.LAXMAIAH**	**Review**	**PO1,PO2,PO3,PO4 PO5,PO6,PO8, PO9,PO10,PO11, PSO1,PSO2**
	15QU1A0528	N.POOJITHA				
	15QU1A0549	G.SRIVASAVI				
	15QU1A0538	A.SANTHOSHI				
	15QU1A0535	K.RAMYA				
9	**15QU1A0512**	**V.KAVYA**	**PRACTICAL PRIVACY RESERVING MAP REDUCE USING K-MEANS CLUSTERING OVER A LARGE SCALE DATA SET**	**S.JYOTHSNA**	**Review**	**PO1,PO2,PO3,PO4 PO5,PO6,PO8, PO9,PO10,PO11, PSO1,PSO2**
	15QU1A0501	M.AKHILA				
	15QU1A0502	N.ANUSHA				
	15QU1AO509	P.HUSSAINBI				
	15QU1A0505	K.BHAGYAM				
10	**15QU1A0527**	**N.PAVANI**	**ENERGY EFFICIENT SCHEDULING OF SERVERS WITH MULTI-SLEEP MODES FOR CLOUD DATA CENTER**	**N.SANDHYA**	**Review**	**PO1,PO2,PO3,PO4 PO5,PO9,PO10, PO11,PSO1, PSO2**
	15QU1A0514	P.BHAVANA				
	15QU1A0555	G.VEENA				
	15QU1A0548	E.SRILAXMI				
	15QU1A0508	B.GEETHA				

Major Project – 2017-2018(CAYm2)

Batch No	Roll No	NAME OF THE STUDENT	PROJECT TITLE	Guide Name	Types of Relevance	Relevance to POs & PSOs
1	**14QU1A0534**	**VINEESHA VELISHALA**	**DETECTING MOBILE MALICIOUS WEB PAGES IN REAL TIME**	**DR.P.PRABHAKARAN**	**Application**	**PO1,PO2,PO3, PO5,PO6,PO8, PO9,PO10,PO11, PSO1,PSO2**
	14QU1A0519	NAVYA KURAPATI				
	14QU1A0501	AKHILA DUNDIGALA				
	14QU1A0502	BARGAVI MUDOTHULA				
	14QU1A0504	DHANA LAXMI VENNA				
2	**14QU1A0517**	**LIKHITHA BANDI**	**CLOUD ARMOR SUPPORTING REPUTATION BASED TRUST MANAGEMENT FOR CLOUD SERVICES**	**DR.HARINDRA SINGH**	**Review**	**PO1,PO2,PO3, PO5,PO9,PO10, PO11,PSO1,PSO2**
	14QU1A0511	KALPANA MALLEBOINA				
	14QU1A0516	LAXMI BAHATAM				
	14QU1A0503	DEEPTHI GURIJALA				
	14QU1A0507	HEMALATHA GANJI				
3	**14QU1A0529**	**SUNEETHA**	**CYBER BULLYING DETECTION BASED ON SEMANTIC ENHANCED MARGINALIZED DENOISING AUTO ENCODER**	**CH.SURESH KUMAR**	**Application**	**PO1,PO2,PO3,PO4 PO5,PO6,PO8, PO9,PO10,PO11, PSO1,PSO2**
	14QU1A0518	MANEESHA NANDYALA				
	14QU1A0510	KALPANA K				
	14QU1A0513	KEERTHI KATTA				
	14QU1A0536	YASHODARA GUNDU				

4	**14QU1A0522**	**SANDHYA KINNERA**	**MINING COMPETITORS**	**K.LAXMAIAH**	**Review**	**PO1,PO2,PO3,PO4 PO5,PO6,PO9,PO10, PO11, PSO1,PSO2**
	14QU1A0535	VINITHA				
	14QU1A0512	KEERTHI MANJUSHA.K				
	14QU1A0526	SRIDURGA DIVEELA				
	14QU1A0506	HARIKA VASAM				
5	**14QU1A0521**	**SAHITHI VANDANAPU**	**COLLABORATIVE FILTERING BASED RECOMMENDATION OF ONLINE SOCIAL VOATING**	**I.SURYA SHEKHAR**	**Application**	**PO1,PO2,PO3, PO5,PO6,PO8, PO9,PO10,PO11, PSO1,PSO2**
	14QUA10505	DIVYA SRIKAKULA				
	14QU1A0532	UDAYASRI PANDI				
	14QU1A0508	INDIRA SOMISHETTY				
	14QU1A0531	TRIVENI ELURI				
6	**14QU1A0515**	**LAVANYA SHIVAKOTI**	**SECURITY CLOUD DATA & UNDER EXPLOSION**	**M.VIJETHA**	**Application**	**PO1,PO2,PO3,PO4 PO5,PO6,PO9,PO10, PO11, PSO1,PSO2**
	14QU1A0520	PRANEETHA GADE				
	14QU1A0528	SRIVIDHYA GADHAMSETTY				
	14QU1A0525	SRIDEVI N				
	14QU1A0527	SRILATHA SASANALA				
7	**14QU1A0514**	**LAKSHMIPRASANNA DADDA**	**PREVENTING DISTRIBUTED DENIAL OF SERVICE FLOODING ATTACKS DYNAMIC WITH PATH IDENTIFIERS**	**N.LAKSHMI PRIYA**	**Application**	**PO1,PO2,PO3, PO5,PO6, PO9,PO10,PO11, PSO1,PSO2**
	14QU1A0530	SUSHMA GOPIREDDY				
	14QU1A0524	SRAVANI SADE				
	14QU1A0509	JHANSI ABBIREDDY				
	14QU1A0523	SHIRISHA VEEREPALLY				

2.2.4 INITIATIVE RELATED TO INDUSTRY INTERACTION (15)

The following initiatives are taken for industry interaction and its relevance to POs and PSOs.

S.No	Initiative Taken	PO & PSO relevance
1	Offering Elective subjects to students related to current trends in industries.	PO4,PO5,PO6,PO7,PO11,PO12 PSO1,PSO2,PSO3
2	Organizing Workshops	PO4,PO5,PO6,PO7,PO11,PO12 PSO1,PSO2,PSO3

Offering Elective subjects to students related to current trends in industries

S.No	Academic Year	Elective Subjects Offered
1	2020-2021	Open Elective-1(III CSE): Fundamentals of IOT Professional Elective-I(III CSE):Principals of Programming Languages Professional Elective-II(III CSE):Advanced Operating System Professional Elective-III(III CSE):Scripting Languages Open Elective-III(IV CSE): Management Information Systems Professional Elective-II(IV CSE): Python Programming Professional Elective-III(IV CSE): Software Project & Process Management Professional Elective-IV(IV CSE):Cloud Computing

		Professional Elective-V(IV CSE): Modern Software Engineering Professional Elective-VI(IV CSE): Advanced Algorithms
2	2019-20	Open Elective-I(III CSE): Disaster Management Open Elective-II(III CSE): Environment Impact Assessment Open Elective-III(IV CSE): Management Information Systems Professional Elective-I(III CSE): Mobile Computing Professional Elective-II(IV CSE): Python Programming Professional Elective-III(IV CSE): Software Project & Process Management Professional Elective-IV(IV CSE): Cloud Computing Professional Elective-V(IV CSE): Modern Software Engineering Professional Elective-VI(IV CSE): Advanced Algorithms
3	2018-19	Open Elective-I(III CSE): Scripting Languages Open Elective-II(III CSE): Remote Sensing & GIS Professional Elective-I(III CSE): Mobile Computing Elective-I(IV CSE): Software Project Management Elective-II(IV CSE):Information Retrieval Systems Elective-III(IV CSE): Semantic Web and Social Networks Elective-IV(IV CSE): Storage Area Networks

4	2017-18	Open Elective-I(III CSE): Disaster Management Elective-I(IV CSE): Software Project Management Elective-II(IV CSE): Information Retrieval Systems Elective-III(IV CSE): Semantic Web and Social Networks Elective-IV(IV CSE): Embedded Systems

Organizing Workshops

S NO	Academic Year	Date	Workshop Organized
1	2020-2021	29/08/2020	A one day workshop on "Python with ML" for IV B.Tech Task registered students
		14/12/2020 To 16/12/2020	A three day Webinar on "Cyber Security" was organized for IV B.Tech students.
		07/04/2021 To 09/04/2021	A two day Webinar on "Reasoning and Aptitude" was organized for III, IV B.Tech Task registered students
		26/04/2021	A One Day Webinar on "Andriod Application Development" for III B.Tech students
		02/05/2021	A One Day online workshop on "Internet of Things(IOT)" for II, III, IV B.Tech students
		27-05-2021 To 29-05-2021	A Three Day webinar on "Python with Dijango" for IV B.Tech students
		10-06-2021 To 12-06-2021	A Three Day "IOT based Industrial Application Development using Audino Uno" for III B.Tech Students.

2	2019-2020	23/08/2019 To 24/08/2019	A two days workshop on "Machine Learning" was organized for IV B.Tech students.
		16/09/2019 To 20/09/2019	A five day workshop on "Oracle Java programming" was organized for IV B.Tech Task registered students.
		17/10/2019 To 18/10/2019	A two day workshop on "Personal skills" was organized for III B.Tech Task registered students.
		28/10/2019 To 30/10/2019	A three day workshop on "Database programming with SQL" was organized for IV B.Tech Task registered students.
		30/10/2019 To 01/11/2019	A three day workshop on "communication/organization skills" was organized for III B.Tech Task registered students.
		16/12/2019 To 18/12/2019	A three day "Gate Orientation Session" was organized for IV B.Tech students.
		27/01/2020 o 31/01/2020	A five day workshop on "Oracle Java Fundamentals" was organized for III B.Tech Task registered students.
		13/02/2020 To 14/02/2020	A two day workshop on "Artificial intelligence" was organized for IV B.Tech students.
		27/02/2020 To 29/02/2020	A three day workshop on "Internet of Things" was organized for IV B.Tech Task registered students
		14/05/2020 To 16/05/2020	A three day Online training on "Presentation skills" was organized for III,IV B.Tech Task registered students.
3	2018-2019	13/08/2018 To 14/08/2018	A two day workshop On "Personal Skills Sessions "was organized for III B.Tech Task registered students.
		20/08/2018 To 21/08/2018	A two day workshop On "Personal Skills Sessions "was organized for IV B.Tech Task registered students.

		10/09/2018 To 11/09/2018	A two day work shop on "Artificial Intelligence" was organized for IV B.Tech students.
		25/09/2018	A one day work shop on "Aptitude & Reasoning MOOCS" was organized for III B.Tech Task registered students.
		28/10/2018 To 30/10/2018	A three day work shop on "Database programming with SQL" was organized for III B.Tech Task registered students.
		27/12/2018 To 29/12/2018	A three day "Gate Orientation Session" was organized for IV B.Tech students.
4	2017-2018	13/08/2017 To 14/08/2017	A two days workshop on " Personal skills" was organized for IV B.Tech students.
		14/12/2017 To 16/12/2017	A Three day "Gate Orientation Session" was organized for IV B.Tech students.
		29/12/2017 To 30/12/2017	A Two Day workshop on "Web Services" was organized for IV B.Tech students.

Impact Analysis for Industry Interaction

By organizing above industry related workshops, the knowledge related to the latest trends & technologies is enriched significantly both to faculty and students as evident that the students could carry out their mini & major project works mostly on industry need latest topics..

Sample Projects

Academic Year	Roll No	NAME OF THE STUDENT	PROJECT TITLE	Guide Name	Types of Relevance	Relevance to POs & PSOs
2020-21	17QU1A0530	CH.SHIVANI	Multi-Traffic Scene Perception Based on Supervised Learning	Dr P.SRAVANTHI	Application	PO1,PO2,PO3, PO4,PO5,PO6, PO9,PO10,PO11, PSO1,PSO2
	17QU1A0518	D.POOJA				
	17QU1A0520	A.PRATHYUSHA				
	17QU1A0536	D.SRAVANTHI				
	17QU1A0501	CH.AKSHAYA				
2019-20	16QU1A0514	K. KRISHNAVENI	DRIVER DROWSINESS MONITORING SYSTEM USING VISUAL BEHAVIOR AND MACHINE LEARNING	Dr. K. VENKATESHAN	Application	PO1,PO2,PO3,PO5,PO6,PO9,PO10,PO11, PSO1,PSO2
	16QU1A0528	CH.POOJITHA				
	16QU1A0530	B. SAHITHI KRISHNA				
	17QU5A0503	B. RAJITHA				
2018-19	15QU1A0542	M.SINDHUJA	INNOVATIVE SIGNATURE BASED INTRUSION DETECTION SYSTEM	K.LAXMAIAH	Review	PO1,PO2,PO3,PO4,PO5,PO6,PO8,PO9,PO10 PO11,PSO1,PSO2
	15QU1A0528	N.POOJITHA				
	15QU1A0549	G.SRIVASAVI				
	15QU1A0538	A.SANTHOSHI				
	15QU1A0535	K.RAMYA				
2017-18	14QU1A0534	VINEESHA VELISHALA	DETECTING MOBILE MALICIOUS WEB PAGES IN REAL TIME	DR.P.PRABHAKARAN	Application	PO1,PO2,PO3, PO5,PO6,PO8, PO9,PO10,PO11, PSO1,PSO2
	14QU1A0519	NAVYA KURAPATI				
	14QU10501	AKHILA DUNDIGALA				
	14QU1A0502	BARGAVI MUDOTHULA				
	14QU1A0504	DHANA LAXMI VENNA				

2.2.5 Initiatives related to Industry Internship/Summer training(15)

The following initiatives are taken for industry interaction and its relevance to POs.

S.No	Initiative Taken	PO relavance
1	Organizing Industry Visits/ Training Programs	PO1,PO2,PO3,PO6,PO7,PO10,PO12 PSO1,PSO2,PSO3
2	Industry Internship/Summer training	PO3,PO5,PO6,PO7,PO8,PO9,PO11,PO12 PSO1,PSO2,PSO3

Organizing the training programs through Industry persons:
MOUs with industries:

The institute has the following MoUs with the industries for conducting Training programs and improving employability skills

- TASK
- Efftronics Systems Pvt. Ltd
- ARETE IT Services Private Limited
- Indian Servers
- VERTULONIX

Objectives of MOUs

- To explore and identify common avenues of interaction with industry
- To Establish Centre of Excellence by Industry/ Corporate to Provide Real Time exposure on Technologies
- To promote various research activities by the faculty members and students.
- To establish convergence with industrial and research organizations from various fields through MOUs as a form of interaction.

Objectives of TASK:

- To create environs conducive for growth through faculty development, research pilots and help colleges provide quality education.
- Granting access to modules for enhancing their technology, personal and organization skills.
- Students are trained extensively in latest technology to help companies to find the right candidate.

Objectives of Efftronics:

- Aimed at enabling the interconnection and integration of the physical world and the cyber space.
- To provide knowledge on industry projects and use cases which encompasses of multiple areas such as Computer science, Communications, Electrical, Mechanical and Microelectronics.
- To do interdisciplinary projects related to IOT.
- To develop the mechanisms of network convergence and autonomy.

Objectives of ARETE IT Services Private Limited:

- Developing and innovating World's Best Class Software.
- Knowledge sharing and team work forms the base of our existence.
- Arete offers superior comprehensive medical coding solutions.

Objectives of Indian Servers:

- To develop the Android Apps for the users.
- To provide the IT Infrastructure Management.
- Perform the Product Re-engineering.
- Works on Packaged Application Implementation.
- Setup the Business Process Management.

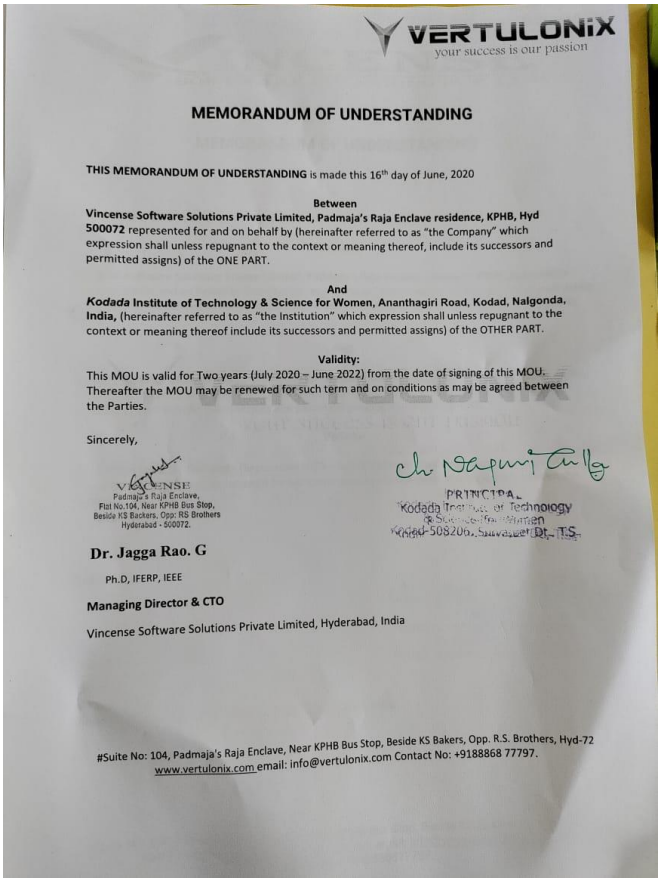
Objectives of VERTULONIX:

- To expertise in IT services and corporate training.
- Develop in the area of Robotics.
- To give modern solutions with the help of advanced technology.

Objectives of Vincense Software Solutions Pvt Ltd.:

- Offers Application development and website development services to the clients.
- Provides Project support for clients.
- To organize Workshop on trending technologies by experts in the field

Sample MoU:



VERTULONiX
your success is our passion

MEMORANDUM OF UNDERSTANDING

THIS MEMORANDUM OF UNDERSTANDING is made this 16th day of June, 2020

Between

Vincense Software Solutions Private Limited, Padmaja's Raja Enclave residence, KPHB, Hyd 500072 represented for and on behalf by (hereinafter referred to as "the Company" which expression shall unless repugnant to the context or meaning thereof, include its successors and permitted assigns) of the ONE PART.

And

***Kodada* Institute of Technology & Science for Women, Ananthagiri Road, Kodad, Nalgonda, India,** (hereinafter referred to as "the Institution" which expression shall unless repugnant to the context or meaning thereof include its successors and permitted assigns) of the OTHER PART.

Validity:

This MOU is valid for Two years (July 2020 – June 2022) from the date of signing of this MOU. Thereafter the MOU may be renewed for such term and on conditions as may be agreed between the Parties.

Sincerely,

VINCENSE
Padmaja's Raja Enclave,
Flat No.104, Near KPHB Bus Stop,
Beside KS Backers, Opp: RS Brothers
Hyderabad - 500072.

Dr. Jagga Rao. G

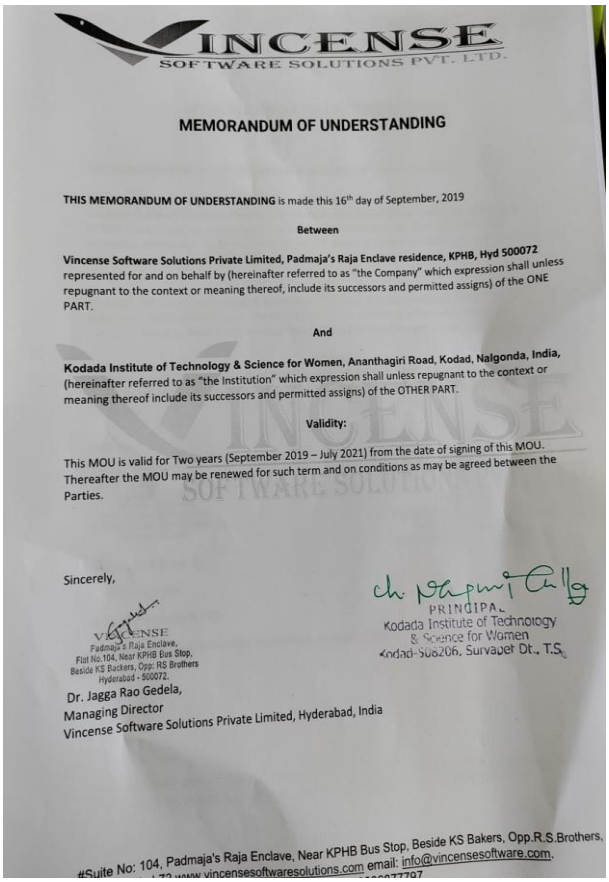
Ph.D, IFERP, IEEE

Managing Director & CTO

Vincense Software Solutions Private Limited, Hyderabad, India

PRINCIPAL
Kodada Institute of Technology
& Science for Women
Kodad-508206, Suryapet Dt., T.S.

#Suite No: 104, Padmaja's Raja Enclave, Near KPHB Bus Stop, Beside KS Bakers, Opp. R.S. Brothers, Hyd-72
www.vertulonix.com email: info@vertulonix.com Contact No: +9188868 77797.



VINCENSE
SOFTWARE SOLUTIONS PVT. LTD.

MEMORANDUM OF UNDERSTANDING

THIS MEMORANDUM OF UNDERSTANDING is made this 16th day of September, 2019

Between

Vincense Software Solutions Private Limited, Padmaja's Raja Enclave residence, KPHB, Hyd 500072 represented for and on behalf by (hereinafter referred to as "the Company" which expression shall unless repugnant to the context or meaning thereof, include its successors and permitted assigns) of the ONE PART.

And

Kodada Institute of Technology & Science for Women, Ananthagiri Road, Kodad, Nalgonda, India, (hereinafter referred to as "the Institution" which expression shall unless repugnant to the context or meaning thereof include its successors and permitted assigns) of the OTHER PART.

Validity:

This MOU is valid for Two years (September 2019 – July 2021) from the date of signing of this MOU. Thereafter the MOU may be renewed for such term and on conditions as may be agreed between the Parties.

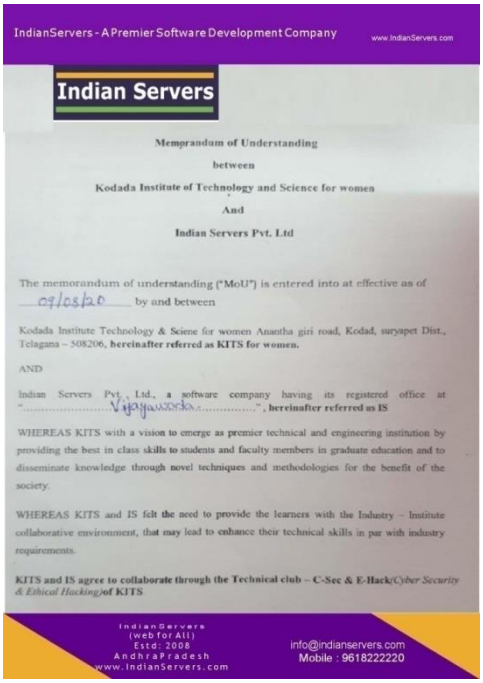
Sincerely,

VINCENSE
Padmaja's Raja Enclave,
Flat No.104, Near KPHB Bus Stop,
Beside KS Backers, Opp: RS Brothers
Hyderabad - 500072.

Dr. Jagga Rao Gedela,
Managing Director
Vincense Software Solutions Private Limited, Hyderabad, India

PRINCIPAL
Kodada Institute of Technology
& Science for Women
Kodad-508206, Suryapet Dt., T.S.

#Suite No: 104, Padmaja's Raja Enclave, Near KPHB Bus Stop, Beside KS Bakers, Opp.R.S.Brothers,
www.vincensesoftwaresolutions.com email: info@vincensesoftware.com.



IndianServers - A Premier Software Development Company
www.IndianServers.com

Indian Servers

Memprandum of Understanding

between

Kodada Institute of Technology and Science for women

And

Indian Servers Pvt. Ltd

The memorandum of understanding ("MoU") is entered into at effective as of 07/05/20 by and between

Kodada Institute Technology & Scienc for women Anantha giri road, Kodad, suryapet Dist., Telagana – 508206, **hereinafter referred as KITS for women.**

AND

Indian Servers Pvt. Ltd., a software company having its registered office at "Vijayawada", **hereinafter referred as IS**

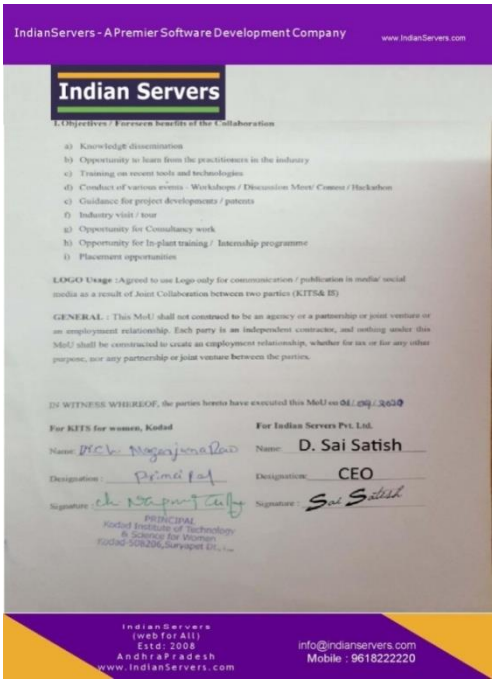
WHEREAS KITS with a vision to emerge as premier technical and engineering institution by providing the best in class skills to students and faculty members in graduate education and to disseminate knowledge through novel techniques and methodologies for the benefit of the society.

WHEREAS KITS and IS felt the need to provide the learners with the Industry – Institute collaborative environment, that may lead to enhance their technical skills in par with industry requirements.

KITS and IS agree to collaborate through the Technical club – C-Sec & E-Hack/*Cyber Security & Ethical Hacking*/of KITS

IndianServers
(webforAll)
Estd: 2008
AndhraPradesh
www.IndianServers.com

info@indianservers.com
Mobile : 9618222220



IndianServers - A Premier Software Development Company
www.IndianServers.com

Indian Servers

I.Objectives / Foreseen benefits of the Collaboration

a) Knowledge dissemination
b) Opportunity to learn from the practitioners in the industry
c) Training on recent tools and technologies
d) Conduct of various events - Workshops / Discussion Meet/ Contest / Hackathon
e) Guidance for project developments / patents
f) Industry visit / tour
g) Opportunity for Consultancy work
h) Opportunity for In-plant training / Internship programme
i) Placement opportunities

LOGO Usage :Agreed to use Logo only for communication / publication in media/ social media as a result of Joint Collaboration between two parties (KITS& IS)

GENERAL : This MoU shall not construed to be an agency or a partnership or joint venture or an employment relationship. Each party is an independent contractor, and nothing under this MoU shall be construed to create an employment relationship, whether for tax or for any other purpose, nor any partnership or joint venture between the parties.

IN WITNESS WHEREOF, the parties hereto have executed this MoU on 01/05/2020

For KITS for women, Kodad	For Indian Servers Pvt. Ltd.
Name: [illegible]	Name: D. Sai Satish
Designation: Principal	Designation: CEO
Signature:	Signature:

PRINCIPAL
Kodad Institute of Technology
& Science for Women
Kodad-508206, Suryapet Dt.

IndianServers
(webforAll)
Estd: 2008
AndhraPradesh
www.IndianServers.com

info@indianservers.com
Mobile : 9618222220

EFFTRONICS SYSTEMS PVT. LTD.
40-15-9, Brundavan Colony, Vijayawada-520 010, AP, INDIA
To provide insight for enhancing wealth
Ph : +91 (866) 246-6675, 249-3375, Fax: +91 (866) 247-4097
e-mail: info@efftronics.com Website: www.efftronics.com

Memorandum Of Understanding
Between
Kodada Institute of tech & science for women
And
Efftronics Systems Pvt Ltd

This Agreement made and entered into on 13-Mar-2019 between Kodada Institute of tech & science for women And Efftronics Systems Pvt Ltd (here in after called Efftronics) situated at Brundavan Colony, Vijayawada (A.P.). This MOU shall be valid for 1 year from the date and each party shall be at full liberty to terminate the collaboration with a notice period of 3 months.

Objectives of the MOU:

The objective of this Memorandum of Understanding is:

A. To promote interaction between **Kodada institute of tech & science for women** and Efftronics in mutually beneficial areas.
B. To provide a formal basis for initiating interaction between **Kodada institute of tech & science for women** and Efftronics.

Proposed Modes of Collaboration:

Kodada institute of tech & science for women and Efftronics propose to collaborate through

1. Exchanging of expertise by means of Guest Lectures, Technical Seminars, Workshops and other events (during regular working days) for the benefit of the faculty and students.
2. Permitting students for One-day Industrial Visit.
3. Allowing faculty & Staff for industrial training.
4. Permitting Practical training to students.
5. Attending campus recruitment where the intake depends up on the clearance of all the rounds by the candidate in selection process.

Note: All the above modes will be decided upon mutual consent based on Availability, Work Schedules and Manpower of Company.

Date of Agreement: 13-MAR-19

With Regards

For Efftronics Systems Pvt Ltd.

(D RAMA KRISHNA)
MANAGING DIRECTOR

Kodada Institute of tech & Science for women

PRINCIPAL/DIRECTOR

Corporate Identity Number U51909AP1987PTC007554

Mfrs: Networking Products, LED Displays, Embedded Systems, Software

"R&D" Recognised by DSIR, Govt. of India — A PRODUCT DEVELOPMENT COMPANY — An ISO 9001:2008 Company

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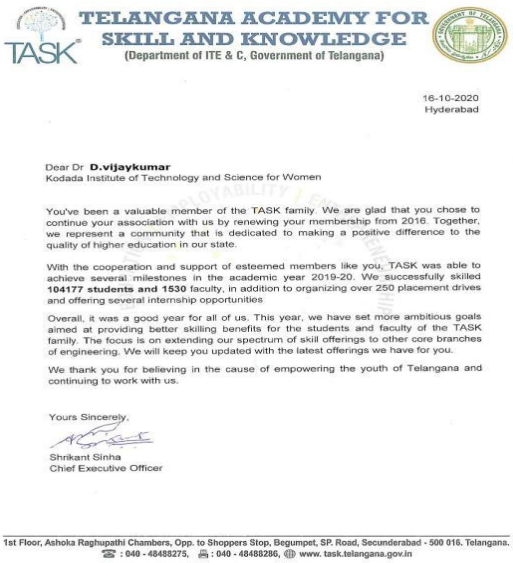


TELANGANA ACADEMY FOR SKILL AND KNOWLEDGE
(Department of ITE & C, Government of Telangana)

16-10-2020
Hyderabad

Dear Dr **D.vijaykumar**
Kodada Institute of Technology and Science for Women

You've been a valuable member of the TASK family. We are glad that you chose to continue your association with us by renewing your membership from 2016. Together, we represent a community that is dedicated to making a positive difference to the quality of higher education in our state.

With the cooperation and support of esteemed members like you, TASK was able to achieve several milestones in the academic year 2019-20. We successfully skilled **104177 students and 1530** faculty, in addition to organizing over 250 placement drives and offering several internship opportunities.

Overall, it was a good year for all of us. This year, we have set more ambitious goals aimed at providing better skilling benefits for the students and faculty of the TASK family. The focus is on extending our spectrum of skill offerings to other core branches of engineering. We will keep you updated with the latest offerings we have for you.

We thank you for believing in the cause of empowering the youth of Telangana and continuing to work with us.

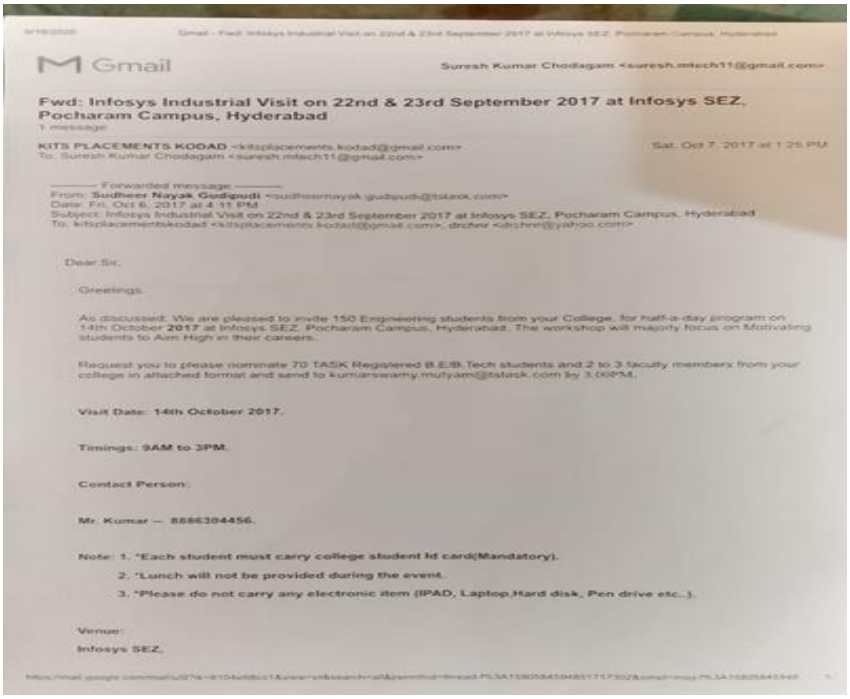
Yours Sincerely,

Shrikant Sinha
Chief Executive Officer

1st Floor, Ashoka Raghupathi Chambers, Opp. to Shoppers Stop, Begumpet, SP. Road, Secunderabad - 500 016. Telangana.
☎ : 040 - 48488275, 🖷 : 040 - 48488286, 🌐 www. task.telangana.gov.in

Organizing Industry Visits

SNO	INDUSTRY NAME	DATE OF VISIT	YEAR
1	Infosys, Hyderabad	14th Oct 2017	IV B.Tech
2	ISRO, Sriharikota	1st Dec 2017	IV B.Tech
3	Efftronics, Vijayawada	5th Jan 2019	IV B.Tech
4	Indian servers, Vijayawada	7th Mar 2020	IV B.Tech



Gmail

Suresh Kumar Chodagam <suresh.mtech11@gmail.com>

Fwd: Infosys Industrial Visit on 22nd & 23rd September 2017 at Infosys SEZ, Pocharam Campus, Hyderabad

1 message

KITS PLACEMENTS KODAD <kitsplacements.kodad@gmail.com> Sat, Oct 7, 2017 at 1:25 PM
To: Suresh Kumar Chodagam <suresh.mtech11@gmail.com>

---------- Forwarded message ----------
From: **Sudheer Nayak Gudipudi** <sudheernayak.gudipudi@tslask.com>
Date: Fri, Oct 6, 2017 at 4:11 PM
Subject: Infosys Industrial Visit on 22nd & 23rd September 2017 at Infosys SEZ, Pocharam Campus, Hyderabad
To: kitsplacementskodad <kitsplacements.kodad@gmail.com>, dricher <dricher@yahoo.com>

Dear Sir,

Greetings.

As discussed, We are pleased to invite 150 Engineering students from your College, for half-a-day program on 14th October **2017** at Infosys SEZ, Pocharam Campus, Hyderabad. The workshop will majorly focus on Motivating students to Aim High in their careers.

Request you to please nominate 70 TASK Registered B.E/B.Tech students and 2 to 3 faculty members from your college in attached format and send to kumarswamy.mutyam@tslask.com by 3.00PM.

Visit Date: 14th October 2017.

Timings: 9AM to 3PM.

Contact Person:

Mr. Kumar – 8886304456.

Note: 1. *Each student must carry college student Id card(Mandatory).
2. *Lunch will not be provided during the event.
3. *Please do not carry any electronic item (IPAD, Laptop,Hard disk, Pen drive etc..).

Venue:
Infosys SEZ.

Infosys Industrial Visit Letter, Hyderabad

Industry internship/summer training (15)

The following is the detailed list of students who have undergone internship/summer training in various organizations during their semester break internship/summer training for

ACADEMIC YEAR: 2020-21

S. No	Roll No	Name of the student	Date	Organization in which internship has been carried out
1	**17QU1A0530**	**SHIVANI.CH**	13-08-2020 TO 31-08-2020	VERTULONIX , HYDERABAD
2	17QU1A0518	POOJA.D		
3	17QU1A0520	PRATHYUSHA.A		
4	17QU1A0536	SRAVANTHI.D		
5	17QU1A0501	AKSHAYA.CH		
6	**17QU1A0546**	**VANDANA.CH**	03-08-2020 TO 22-08-2020	VINCENSE SOFTWARE SOLUTIONS PVT. LTD.
7	17QU1A0503	BINDHUSREE.B		
8	17QU1A0505	DIVYA.B		
9	17QU1A0542	TRIVENI.M		
10	17QU1A0521	PRIYANKA		
11	**17QU1A0538**	**SRUJANA.D**	03-08-2020 TO 22-08-2020	VINCENSE SOFTWARE SOLUTIONS PVT. LTD.
12	17QU1A0539	SUPRIYA.M		
13	17QU1A0506	DIVYA.P		
14	17QU1A0544	TRIVENI.T		
15	17QU1A0522	RAMYA.CH		
16	**17QU1A0547**	**K.V.L.TULASI**	13-08-2020 TO 31-08-2020	VERTULONIX , HYDERABAD
17	17QU1A0510	KAVYASREE.B		
18	17QU1A0509	HANEEFA.M		
19	17QU1A0548	VINEELA.V		
20	17QU1A0531	SHIVANI.D		

ACADEMIC YEAR: 2019-20

S.No	Roll No	Name of the student	Date	Organization in which internship has been carried out
1	16QU1A0514	KRISHNAVENI K	4/6/2019 To 4/8/2019	ARETE IT Services Private Limited, Vijayawada
2	16QU1A0506	CHANDANA P		
3	16QU1A0527	PRASANNA P		
4	16QU1A0555	YOGITHA M		
5	16QU1A0551	UMA MAHESHWARI S	4/6/2019 To 4/8/2019	ARETE IT Services Private Limited, Vijayawada
6	16QU1A0508	GOWTHAMI G		
7	17QU5A0502	LAXMI PRAVEENA K		
8	16QU1A0552	USHA RANI L		
9	16QU1A0548	TAPASWINI G	4/6/2019 To 4/8/2019	ARETE IT Services Private Limited, Vijayawada
10	16QU1A0521	NAGA JYOTHI K		
11	16QU1A0531	SAI SOUMYA N		
12	16QU1A0530	SAHITHA KRISHNA B		
13	16QU1A0540	SRIJA B	3/6/2019 To 27-07-2019	Krishna Soft , Vijayawada
14	16QU1A0554	VINDHYA G		
15	16QU1A0509	GOWTHAMI V		
16	16QU1A0504	ASHWINI P		

17	16QU1A0523	NIKHITHA S		
18	16QU1A0528	POOJITHA CH	3/6/2019 To 13-07-2019	INDIAN SERVERS , Vijayawada
19	16QU1A0535	SHIRISHA K		
20	16QU1A0534	SHAKEERA SK		
21	16QU1A0547	SWATHI K		
22	16QU1A0544	SWAPNA K		

ACADEMIC YEAR: 2018-19

S.No	Roll No	Name of the student	Date	Organizationin which summer training has been carried out
1	**15QU1A0556**	**CH.VIJAYA LAXMI**	4-06-2018 To 20-06-2018	Tall Grass Private Limited, Hyderabad
2	15QU1A0547	A.SREELEKHA		
3	15QU1A0516	N.LAVANYA		
4	15QU1A0541	B.SINDHU		
5	15QU1A0525	P.NAVYA		
6	**15QU1A0529**	**G.PRASHANTHI**	4-06-2018 To 20-06-2018	Tall Grass Private Limited, Hyderabad
7	15QU1A0553	K.TULASI		
8	15QU1A0533	J.RAJYALAXMI		
9	15QU1A0540	CH.SHAILAJA		
10	15QU1A0531	M.PRIYANKA		
11	**15QU1A0504**	**T.AVILASHA**	14-06-2018 To 30-06-2018	NSE Technologies, Hyderabad
12	15QU1A0515	V.LAXMI		
13	15QU1A0507	P.DIVYAJYOTHI		
14	15QU1A0502	B.ANJALI		
15	15QU1A0506	M.BHARGAVI		
16	**15QU1A0534**	**M.RAJYALAXMI**	14-06-2018 To 30-06-2018	Efftronics Systems Pvt. Ltd, Vijayawada
17	15QU1A0517	V.MAMATHA		
18	15QU1A0544	G.SOWMYA		
19	15QU1A0539	SK.SHAHANA		
20	15QU1A0524	M.NAVYA		
21	**15QU1A0537**	**G.SAMATHA**	11-06-2018 To 27-06-2018	
22	15QU1A0520	K.MOUNIKA		
23	15QU1A0522	K.NANDINI		
24	15QU1A0530	S.PRATHYUSHA		
25	15QU1A0518	B.MANEESHA		
26	**15QU1A0523**	**V.VINITHA**	11-06-2018 To 27-06-2018	Efftronics Systems Pvt. Ltd, Vijayawada
27	15QU1A0551	P.TEJASWINI		
28	15QU1A0554	R.VASANTHA		
29	15QU1A0532	P.PRIYANKA		
30	15QU1A0543	G.SNEHA		

ACADEMIC YEAR: 2017-18

S.No	Roll No	Name of the student	Date	Organization in which summer training has been carried out
1	**14QU1A0534**	**VINEESHA VELISHALA**	12-06-2017 TO 27-06-2017	Amrodit Technologies, Hyderabad,Telangana
2	14QU1A0519	NAVYA KURAPATI		
3	14QU10A501	AKHILA DUNDIGALA		
4	14QU1A0502	BHARGAVI MUDOTHULA		
5	**14QU1A0517**	**LIKHITHA BANDI**	12-06-2017 TO 27-06-2017	KioLearn Technologies, Hyderabad,Telangana
6	14QU1A0511	KALPANA MALLEBOINA		
7	14QU1A0516	LAXMI BAHATAM		
8	14QU1A0503	DEEPTHI GURIJALA		
9	14QU1A0507	HEMALATHA GANJI		
10	**14QU1A0529**	**SUNEETHA**	12-06-2017 TO 27-06-2017	Amrodit Technologies, Hyderabad,telangana
11	14QU1A0518	MANEESHA NANDYALA		
12	14QU1A0510	KALPANA K		
13	14QU1A0513	KEERTHI KATTA		
14	**14QU1A0521**	**SAHITHI VANDANAPU**	12-06-2017 TO 27-06-2017	Amrodit Technologies , Hyderabad,telangana
15	14QUA10505	DIVYA SRIKAKULA		
16	14QU1A0532	UDAYASRI PANDI		
17	14QU1A0508	INDIRA SOMISHETTY		
18	**14QU1A0515**	**LAVANYA SHIVAKOTI**	12-06-2017 TO 27-06-2017	KioLearn Technologies, Hyderabad,Telangana
19	14QU1A0520	PRANEETHA GADE		
20	14QU1A0528	SRIVIDHYA GADHAMSETTY		
21	14QU1A0525	SRIDEVI N		
22	14QU1A0527	SRILATHA SASANALA		

Impact Analysis of Industrial training

The initiative of the department to have MOUs with industries is helped the students to undergo the Internships.

Sample Certificates

KRISHNAS
DIGITAL TECHNOLOGIES AND SOFT LABS PVT. LTD.

Software Technology Parks of India (STPI), Polytechnic College Campus, Vijayawada, A.P., India-520008
sales@krishnasdigitech.in
www.krishnasdigitech.in
Give a Missed Call: +91-8263912345
Customer Support: +91-8885865436

31-07-2019,
Vijayawada.

TO WHOM IT MAY CONCERN

This is to certify that Ms. V.Gowthami D/o V.Srinivas student of Kodada Institute of Technology & Sciences has undergone eight weeks internship at our company in the period June 2019 to July 2019.

During the internship, she has been exposed to various project development activities. She had shown a keen interest in learning Jquery, Javascript, Html, CSS, Bootstrap & Mysql. Her understanding of languages has got improved.

We wish her all the success in her academic endeavors.

Regards,

KRISHNAS DIGITAL TECHNOLOGIES AND SOFT LABS PVT. LTD. VIJAYAWADA
Reg.No.
AP068480420598

N DURGA RAO
Project Manager
Krishnas Digital Technologies and Softlabs pvt ltd.

Software Development - Android & iOS Apps - IoT Solutions - Digital Marketing - Voice Campaigns - Bulk SMS
Cloud Telephony - IVRS - Call Conference - Telecalling - Email Marketing - Lead Management - Sales CRM
Missed Call Service - Long Code Service - Call Center Software - Asterisk IP PBX

ARETE IT SERVICES PVT. LTD.

An ISO 9001 : 2008 Certified Company

INTERNSHIP COMPLETION CERTIFICATE

This is to certify that the Internship program entitled "**WEB DEVELOPMENT**" at **ARETE IT SERVICES PRIVATE LIMITED., VIJAYAWADA** is carried out by **CHANDANA PONNAPALLI Registration Number 16QU1A0506** student of department of Computer Science and Engineering from **04th June 2019 to 04th August 2019.** She worked on project titled **Krishna Tours & Travels** under the guidance and supervision of **Mr.Sudheer M, Software Programmer, Arete IT Services Private Limited.**

During this period, **CHANDANA PONNAPALLI** successfully met the objectives that were set at the beginning of the program. She showed a lot of promise and skill in her work and we wish her all the best in all her future endeavors.

Date: 04th August 2019

PROJECT GUIDE

ARETE SERVICES VIJAYAWADA

AUTHORIZED SIGNATORY

Hyderabad Vijayawada Warangal

info@areteservices.org www.areteservices.org +91-866-666667

IMPACT OF INTERNSHIP/SUMMER TRAINING FOR ACADEMIC YEAR 2020-2021

S.NO	ROLL NO	NAME OF THE STUDENT	NAME OF THE COMPANY
1	17QU1A0538	D SRUJANA	TATA
2	17QU1A0539	M SUPRIYA	TELEPERFORMANCE
3	17QU1A0547	K V L THULASI	TELEPERFORMANCE
4	17QU1A0548	V VINEELA	TELEPERFORMANCE
5	17QU1A0542	M TRIVENI	GJ SOLUTIONS
6	17QU1A0521	K PRIYANKA	GJ SOLUTIONS
7	17QU1A0530	SHIVANI.CH	TELEPERFORMANCE
8	17QU1A0518	POOJA.D	TELEPERFORMANCE

9	17QU1A0520	PRATHYUSHA.A	GJ SOLUTIONS
10	17QU1A0536	SRAVANTHI.D	GJ SOLUTIONS
11	17QU1A0501	AKSHAYA.CH	GJ SOLUTIONS
12	17QU1A0546	VANDANA.CH	TELEPERFORMANCE
13	17QU1A0503	BINDHUSREE.B	TELEPERFORMANCE
14	17QU1A0505	DIVYA.B	TELEPERFORMANCE
15	17QU1A0544	TRIVENI.T	TELEPERFORMANCE
16	17QU1A0522	RAMYA.CH	GJ SOLUTIONS
17	17QU1A0510	KAVYASREE.B	GJ SOLUTIONS
18	17QU1A0509	HANEEFA.M	GJ SOLUTIONS

IMPACT OF INTERNSHIP/SUMMER TRAINING FOR ACADEMIC YEAR 2019-2020

S.NO	ROLL NO	NAME OF THE STUDENT	NAME OF THE COMPANY
1	16QU1A0509	GOWTHAMI VEERAMSHETTI	ARETE IT Services
2	16QU1A0514	K.KRISHNA VENI	Efftronics
3	16QU1A0521	NAGAJYOTHI KOLA	Efftronics
4	16QU1A0528	POOJITHA CHEEDELLA	Efftronics
5	16QU1A0540	B.SREEJA	Efftronics
6	16QU1A0527	P.PRASANNA	Hinduja Global Sol.
7	16QU1A0530	B.SAHITHI KRISHNA	Hinduja Global Sol.
8	16QU1A0534	SK.SHAKEERA	Hinduja Global Sol.
9	16QU1A0508	G.GOUTHAMI	RK Info.Systems
10	16QU1A0531	N.SAI SOWMYA	RK Info.Systems
11	16QU1A0552	L.USHA RANI	RK Info.Systems
12	16QU1A0555	M.YOGITHA	RK Info.Systems
13	17QU5A0502	K.LAXMI PRAVEENA	RK Info.Systems
14	16QU1A0548	G.TAPASWINI	TATA Business Service
15	16QU1A0551	S.UMA MAHESWARI	TATA Business Service

IMPACT OF INTERNSHIP/SUMMER TRAINING FOR ACADEMIC YEAR 2018-2019

S.NO	ROLL NO	NAME OF THE STUDENT	NAME OF THE COMPANY
1	15QU1A0516	LAVANYA NELANTI	Ctrls
2	15QU1A0520	MOUNIKA KATTHULA	Ctrls
3	15QU1A0537	G.SAMATHA	Ctrls
4	15QU1A0556	VIJAYA LAXMI CHITTIPOLU	Ctrls
5	15QU1A0529	G.PRASHANTHI	Efftronics
6	15QU1A0534	RAJYALAXMI MANTRIPRAGADA	Efftronics
7	15QU1A0547	SREE LEKHA ANNEM	Efftronics
8	15QU1A0551	P.TEJASWINI	Efftronics
9	15QU1A0523	VINITHA VADAKE	Hinduja Global Sol.
10	15QU1A0541	SINDHU BELLAMKONDA	Hinduja Global Sol.
11	15QU1A0524	NAVYA MUNAGALA	Karvy
12	15QU1A0539	SHAHANA SHAIK	Karvy
13	15QU1A0540	SHAILAJA KUMARI CHITTIPROLU	Karvy
14	15QU1A0504	AVILASHA TATHINENI	TATA Business Service

IMPACT OF INTERNSHIP/SUMMER TRAINING FOR ACADEMIC YEAR 2017-2018

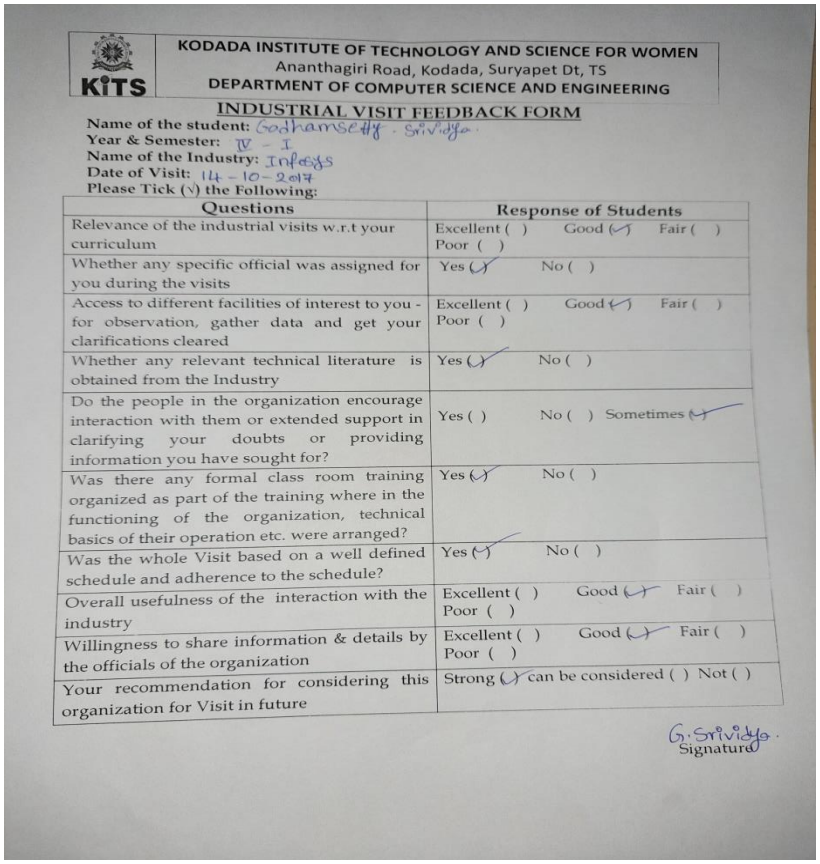
S.NO	ROLL NO	NAME OF THE STUDENT	NAME OF THE COMPANY
1	14QU1A0511	KALPANA MALLEBOINA	Efftronics
2	14QU1A0515	LAVANYA SHIVA KOTI	Efftronics
3	14QU1A0519	NAVYA KURAPATI	Efftronics
4	14QU1A0521	SAHITHI VANDANAPU	Efftronics
5	14QU1A0520	PRANEETHA GADE	GGK Tech

6	14QU1A0528	SRIVIDYA GADHAMSETTY	GGK Tech
7	14QU1A0534	VINEESHA VELISHALA	GGK Tech
8	14QU1A0503	BHARGAVI	GGK Tech
9	14QU1A0516	LAXMI BAHATAM	HD Edutools
10	14QU1A0502	BHARGAVI MUDOTHULA	Karvy
11	14QU1A0510	KALPANA KANDHIBANDA	Karvy
12	14QU1A0529	SUNEETHA TADIKAMALLA	Karvy
13	14QU1A0532	UDYA SRI PANDI	Karvy
14	14QU1A0508	INDIRA SOMISHETTY	Sia Group
15	14QU1A0518	MANEESHA NANDYALA	Sia Group

Student Feedback on the Initiative taken on Industry Institute Interaction:

After Each visit/training the department takes the student feedback about the initiative taken. A sample feedback is enclosed below:

INFOSYS VISIT FEEDBACK



KITS

KODADA INSTITUTE OF TECHNOLOGY AND SCIENCE FOR WOMEN
Ananthagiri Road, Kodada, Suryapet Dt, TS
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

INDUSTRIAL VISIT FEEDBACK FORM

Name of the student: Gadhamsetty . Srividya.
Year & Semester: IV - I
Name of the Industry: Infosys
Date of Visit: 14-10-2017
Please Tick (√) the Following:

Questions	Response of Students
Relevance of the industrial visits w.r.t your curriculum	Excellent ( ) Good (√) Fair ( ) Poor ( )
Whether any specific official was assigned for you during the visits	Yes (√) No ( )
Access to different facilities of interest to you - for observation, gather data and get your clarifications cleared	Excellent ( ) Good (√) Fair ( ) Poor ( )
Whether any relevant technical literature is obtained from the Industry	Yes (√) No ( )
Do the people in the organization encourage interaction with them or extended support in clarifying your doubts or providing information you have sought for?	Yes ( ) No ( ) Sometimes (√)
Was there any formal class room training organized as part of the training where in the functioning of the organization, technical basics of their operation etc. were arranged?	Yes (√) No ( )
Was the whole Visit based on a well defined schedule and adherence to the schedule?	Yes (√) No ( )
Overall usefulness of the interaction with the industry	Excellent ( ) Good (√) Fair ( ) Poor ( )
Willingness to share information & details by the officials of the organization	Excellent ( ) Good (√) Fair ( ) Poor ( )
Your recommendation for considering this organization for Visit in future	Strong (√) can be considered ( ) Not ( )

G. Srividya.
Signature

ISRO VISIT FEEDBACK

KODADA INSTITUTE OF TECHNOLOGY AND SCIENCE FOR WOMEN
Ananthagiri Road, Kodada, Suryapet Dt, TS
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

INDUSTRIAL VISIT FEEDBACK FORM

Name of the student: Harika Vasam.
Year & Semester: IV - B.Tech - II sem.
Name of the Industry: ISRO, Srihagikota.
Date of Visit: 01/12/14.
Please Tick (√) the Following:

Questions	Response of Students
Relevance of the industrial visits w.r.t your curriculum	Excellent (✓) Good ( ) Fair ( ) Poor ( )
Whether any specific official was assigned for you during the visits	Yes (✓) No ( )
Access to different facilities of interest to you - for observation, gather data and get your clarifications cleared	Excellent ( ) Good (✓) Fair ( ) Poor ( )
Whether any relevant technical literature is obtained from the Industry	Yes (✓) No ( )
Do the people in the organization encourage interaction with them or extended support in clarifying your doubts or providing information you have sought for?	Yes (✓) No ( ) Sometimes ( )
Was there any formal class room training organized as part of the training where in the functioning of the organization, technical basics of their operation etc. were arranged?	Yes (✓) No ( )
Was the whole Visit based on a well defined schedule and adherence to the schedule?	Yes (✓) No ( )
Overall usefulness of the interaction with the industry	Excellent (✓) Good ( ) Fair ( ) Poor ( )
Willingness to share information & details by the officials of the organization	Excellent ( ) Good (✓) Fair ( ) Poor ( )
Your recommendation for considering this organization for Visit in future	Strong (✓) can be considered ( ) Not ( )

Comments if any: This visit Geating interest on research.

Harika
Signature

EFFTRONICS VISIT FEEDBACK

KODADA INSTITUTE OF TECHNOLOGY AND SCIENCE FOR WOMEN
Ananthagiri Road, Kodada, Suryapet Dt, TS
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

KiTS

INDUSTRIAL VISIT FEEDBACK FORM

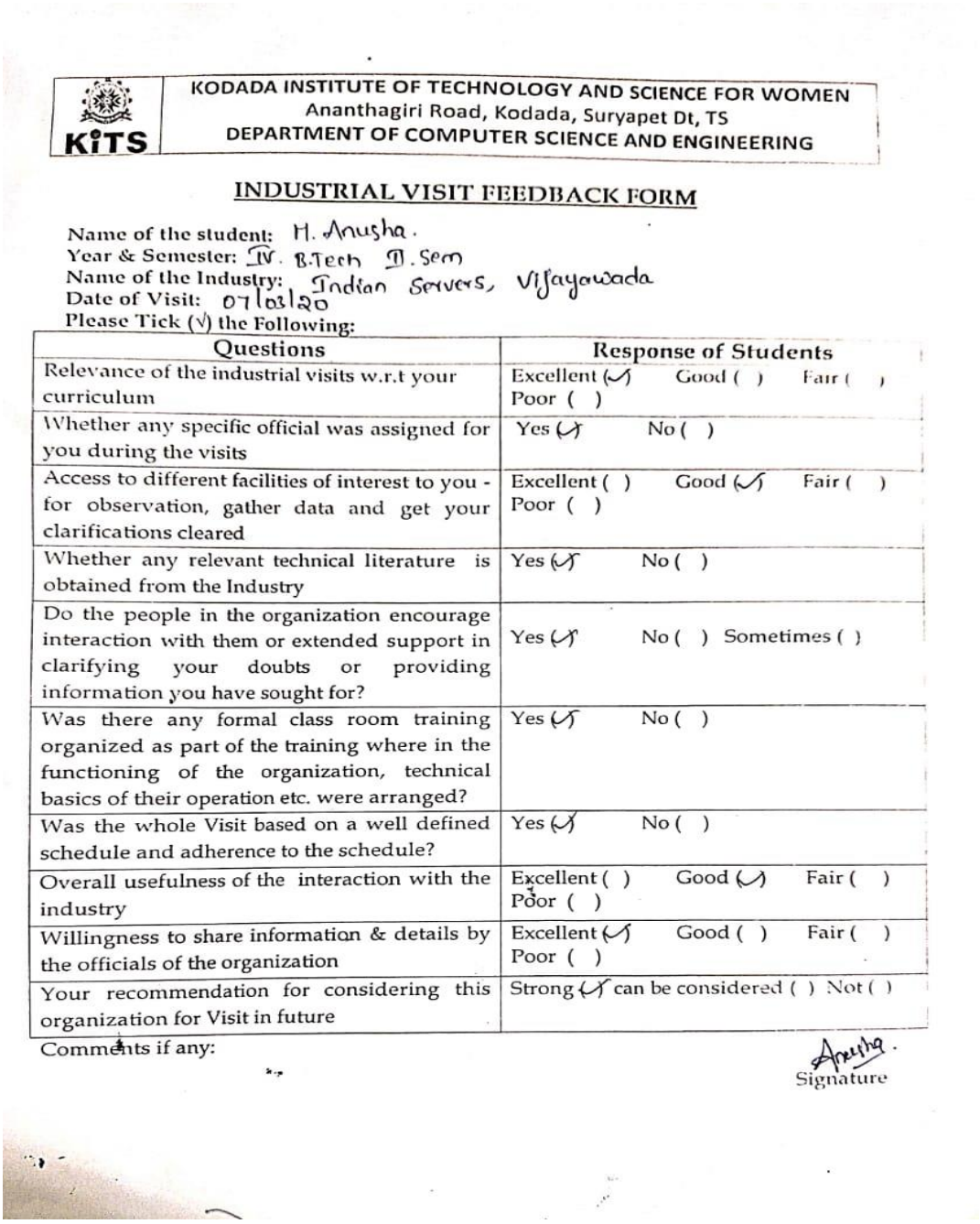
Name of the student: ANJALI. B
Year & Semester: IV B.Tech II sem
Name of the Industry: Efftronics, Vijayawada
Date of Visit: 5-01-2019.
Please Tick (√) the Following:

Questions	Response of Students
Relevance of the industrial visits w.r.t your curriculum	Excellent (✓) Good ( ) Fair ( ) Poor ( )
Whether any specific official was assigned for you during the visits	Yes (✓) No ( )
Access to different facilities of interest to you - for observation, gather data and get your clarifications cleared	Excellent ( ) Good (✓) Fair ( ) Poor ( )
Whether any relevant technical literature is obtained from the Industry	Yes (✓) No ( )
Do the people in the organization encourage interaction with them or extended support in clarifying your doubts or providing information you have sought for?	Yes (✓) No ( ) Sometimes ( )
Was there any formal class room training organized as part of the training where in the functioning of the organization, technical basics of their operation etc. were arranged?	Yes (✓) No ( )
Was the whole Visit based on a well defined schedule and adherence to the schedule?	Yes (✓) No ( )
Overall usefulness of the interaction with the industry	Excellent (✓) Good ( ) Fair ( ) Poor ( )
Willingness to share information & details by the officials of the organization	Excellent (✓) Good ( ) Fair ( ) Poor ( )
Your recommendation for considering this organization for Visit in future	Strong (✓) can be considered ( ) Not ( )

Comments if any:

Anjali
Signature

INDIAN SERVERS VISIT FEEDBACK



KITS

KODADA INSTITUTE OF TECHNOLOGY AND SCIENCE FOR WOMEN
Ananthagiri Road, Kodada, Suryapet Dt, TS
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

INDUSTRIAL VISIT FEEDBACK FORM

Name of the student: M. Anusha.
Year & Semester: IV. B.Tech II. Sem
Name of the Industry: Indian Servers, Vijayawada
Date of Visit: 07/03/20
Please Tick (√) the Following:

Questions	Response of Students
Relevance of the industrial visits w.r.t your curriculum	Excellent (√) Good ( ) Fair ( ) Poor ( )
Whether any specific official was assigned for you during the visits	Yes (√) No ( )
Access to different facilities of interest to you - for observation, gather data and get your clarifications cleared	Excellent ( ) Good (√) Fair ( ) Poor ( )
Whether any relevant technical literature is obtained from the Industry	Yes (√) No ( )
Do the people in the organization encourage interaction with them or extended support in clarifying your doubts or providing information you have sought for?	Yes (√) No ( ) Sometimes ( )
Was there any formal class room training organized as part of the training where in the functioning of the organization, technical basics of their operation etc. were arranged?	Yes (√) No ( )
Was the whole Visit based on a well defined schedule and adherence to the schedule?	Yes (√) No ( )
Overall usefulness of the interaction with the industry	Excellent ( ) Good (√) Fair ( ) Poor ( )
Willingness to share information & details by the officials of the organization	Excellent (√) Good ( ) Fair ( ) Poor ( )
Your recommendation for considering this organization for Visit in future	Strong (√) can be considered ( ) Not ( )

Comments if any:

Anusha.
Signature

CRITERION 3	Course Outcomes and Program Outcomes	120

3.1. Establish the correlation between the courses and the Program Outcomes (POs) and Program Specific Outcomes (PSOs) (20)

The following are the defined Program Outcomes (POs) and Program Specific Outcomes for B.Tech in Computer Science & Engineering.

PROGRAM OUTCOMES (POs)

Engineering Graduates will be able to:

1. **Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis**: Identify, formulate review research literature and analyze complex engineering problems reaching substantiated conclusions using first principle of mathematics, natural science and engineering science.
3. **Design/development of solutions**: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

6. **The engineer and society**: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability**: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication**: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance**: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning**: Recognize the need for, and have the preparation and ability

    to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (For the Assessment Year 2017-18, 2018-19, 2019-20,2020-2021)

A graduate of the Computer Science and Engineering Program will be able to:

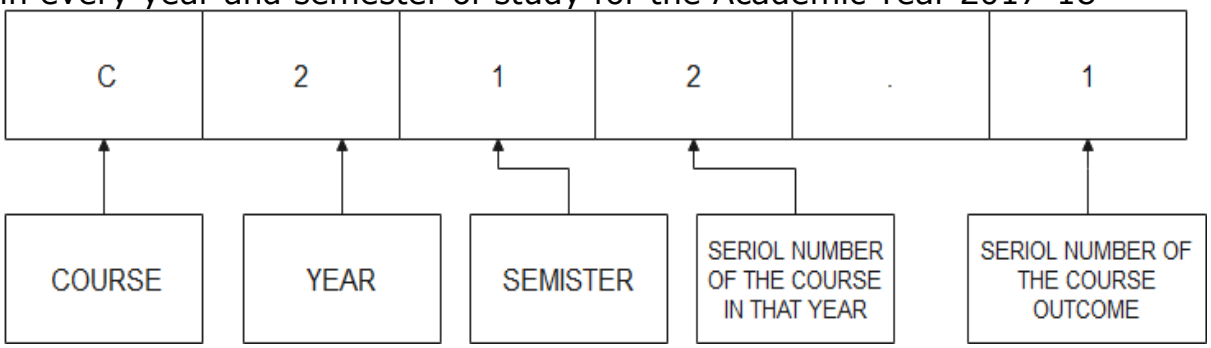
PSO-1:
Computing Techniques: Apply the knowledge about principle of programming languages, computer algorithms, databases, system software and computer network for the interconnection.

PSO-2:
Computer product and Application Development: Interpret and analyze the problem, formulate an efficient hardware and software solution for the real world. Socio - industry related problems and needs using computing methodologies and latest technologies.

PSO-3:
Successful Career and Entrepreneurship Perspectives: Fulfilling desire by attaining employment, excel in competitive examinations, higher studies, research and initiate startups.

3.1.1. Course Outcomes (COs) (SAR should include course outcomes of one course from each semester of study,however,should be prepared for all courses and made available as evidence, if asked)(05)

The following list illustrates the Course Outcomes defined for one Course in every year and semester of study for the Academic Year 2017-18



Course Name: C212 – Data Structures through C++	
Year of Study:2017-2018	**Regulation:R16**
CO#	**The student should be able to**
C212.1	Learn C++ programming structure and able to implement basic programs using object oriented programming concepts in C++.
C212.2	Apply the notations used to analyze the performance of algorithms.
C212.3	Understand and Implement the concepts of stack, queue and their applications using arrays and linked list in C++.
C212.4	Apply various operations on trees and graphs using array and linked representations in C++.
C212.5	Compare and contrast various searching and sorting algorithms through C++ programming.
C212.6	Analyze the need of balanced trees and construct different operations on balanced trees in C++.

Course Name:C222 - Database Management Systems.	
Year of Study:2017-2018	**Regulation:R16**
CO#	**The student should be able to**
C222.1	Examine the basic concepts of DBMS, Data model, design of ER diagrams and develop relational database schema.
C222.2	Solve the queries using relational algebra and relational calculus.
C222.3	To master the basics of sql and construct queries using sql.
C222.4	Analyze the relational database design principles.
C222.5	Develop the transaction processing and concurrency control mechanisms.
C222.6	Analyze database storage structures and Implement access techniques.

Course Name: C314 - COMPILER DESIGN.	
Year of Study:2017-2018	**Regulation:R15**
CO#	**The student should be able to**
C314.1	Understand the design of a compiler and the phases of program translation from source code to executable code.
C314.2	Analyze different parsing techniques such as recursive decent parser and LR parser used in parser generator.
C314.3	Apply the formal attributes grammars for specifying the syntax and semantics of programming languages.
C314.4	Examine the code optimization and data flow analysis.
C314.5	Apply and analyze code generation algorithms and generate object code.
C314.6	Design a compiler for an abstract language.

Course Name: C321 – Distributed Systems.	
Year of Study:2017-2018	**Regulation:R15**
CO#	**The student should be able to**
C321.1	Examine the distributed system models and able to choose appropriate model for a given problem.
C321.2	Develop a case study for sun network file system, Andrew file system and global name services.
C321.3	Select the concepts of locking, synchronization and concurrency, scheduling and replication in distributed environment.
C321.4	Examine the design and implementation issues in distributed shared memory.
C321.5	Judge the general properties of networked communication necessary for distributed systems programming in clusters over the internet.
C321.6	Employ and create common paradigms for easing the task of distributed systems and able to clearly elucidate their benefits, drawbacks and limitations.

Course Name:C412 - Design patterns	
Year of Study:2017-2018	**Regulation:R13**
CO#	**The student should be able to**
C412.1	Select and apply design patterns in Smalltalk MVC.
C412.2	Develop a case study on document editor by considering Key elements like structure, format, look and feel etc.
C412.3	Categorize the different types of patterns(Creational ,structural and behavioral)
C412.4	Examine the appropriate design patterns to solve object oriented design problems.
C412.5	Analyze the brief history and expectations from the design patterns.
C412.6	Summarize the advantages and disadvantages of using design pattern variants.

Course Name:C422 - Semantic Web and Social Networks	
Year of Study:2017-2018	**Regulation:R13**
CO#	**The student should be able to**
C422.1	Analyze the knowledge Representation for the Semantic web.
C422.2	Implement the ontology.
C422.3	Develop the build a blocks of social networks.
C422.4	Demonstrate and construct the Semantic web applications, services and technologies.
C422.5	Apply the social network analysis and semantic web.
C422.6	Examine the Semantic Web Applications, Services and Technology

The following list illustrates the Course Outcomes defined for one Course in every year and semester of study for the Academic Year 2018-19

Course Name:C213 - Mathematical Foundations of Computer Science	
Year of Study:2018-2019	**Regulation:R16**
CO#	**The student should be able to**
C213.1	Apply mathematical logic to solve given problems.
C213.2	Formulate the problems on sets , relations , functions and algebraic structures.
C213.3	Implement logical notation to outline about fundamental mathematical concepts.
C213.4	Demonstrate the practical applications and solve the basic counting principles of permutations, combinations ,inclusion/exclusion principle and the pigeonhole.
C213.5	Analyze and solve the recurrence relations.
C213.6	Model and solve the real world problems using graphs and trees.

Course Name: C223 - Operating systems.	
Year of Study:2018-2019	**Regulation:R16**
CO#	**The student should be able to**
C223.1	Analyze the objectives, functions and evolutions of operating systems.
C223.2	study the operations performed by os as a resource manager.
C223.3	Differentiate the scheduling policies of os.
C223.4	Examine different memory management techniques.
C223.5	Analyze process concurrency and synchronization.
C223.6	Implement the concepts of input/output, storage and file management.

Course Name:C311 - Design and Analysis of Algorithms.	
Year of Study:2018-2019	**Regulation:R16**
CO#	**The student should be able to**
C311.1	Analyze and evaluate the time and space complexity of algorithms using asymptotic analysis.
C311.2	Apply divide and conquer to binary search, merge sort ,stresses matrix multiplication and analyze their time complexities.
C311.3	Formulate the greedy method and analyze their time complexities.
C311.4	Implement dynamic programming, and analyze their time complexities.
C311.5	Construct back tracking and branch and bound, compare their performance and analyze their time complexities.
C311.6	Distinguish P , NP ,NP-complete ,NP-hard and analyze hard problems ,able to design the algorithms for new problems.

Course Name: C322 –Web Technologies.	
Year of Study:2018-2019	**Regulation:R16**
CO#	**The student should be able to**
C322.1	Gain knowledge of PHP languages for server side scripting.
C322.2	Apply the fundamental concepts of XML and learn the XML parsers to load the XML document in the user application.
C322.3	Implement the server side programming using Java Servlets.
C322.4	Develop server side programming and able to create dynamic web applications using JSP.
C322.5	Develop the dynamic web applications (pages) using Java script Client side programming.
C322.6	Establish the database connections using PHP ,Servlets and JSP.

Course Name:C411 - Linux Programming	
Year of Study:2018-2019	**Regulation:R15**
CO#	**The student should be able to**
C411.1	Apply the basics of Linux and various scripts to automate systems task and repetitive user tasks.
C411.2	Analyze the concepts of files and directories and use it for developing applications.
C411.3	Demonstrate the concept of processes and signals that can be used to perform real time tasks.
C411.4	Differentiate the FIFO, Message queues and semaphore programs for providing communication among process running on same and different systems.
C411.5	Create the shared memory and socket network programs for providing communication among process running on different systems.
C411.6	Develop real world application that runs across various platforms over the internet.

Course Name:C422 - Semantic Web and Social Networks,	
Year of Study:2018-2019	**Regulation:R15**
CO#	**The student should be able to**
C422.1	Analyze the knowledge Representation for the Semantic web.
C422.2	Implement the ontology.
C422.3	Develop the build a blocks of social networks.
C422.4	Demonstrate and construct the Semantic web applications, services and technologies.
C422.5	Apply the social network analysis and semantic web.
C422.6	Examine the Semantic Web Applications, Services and Technology

The following list illustrates the Course Outcomes defined for one Course in every year and semester of study for the Academic Year 2019-20

Course Name:C212 – Data Structures **Year of Study:2019-2020** **Regulation:R18**	
CO#	**The student should be able to**
C212.1	Apply the notations used to analyze a performance of algorithms.
C212.2	Implement the concepts of stack , queue and their applications using arrays and linked lists.
C212.3	Construct trees and graphs using arrays and linked lists , apply tree and graph traversal methods in real time applications
C212.4	Compare and contrast various searching and sorting algorithms through activity based learning.
C212.5	Appreciate the need of balanced trees and analyze different operations in various balanced trees.
C212.6	Select appropriate data structures for a given problem

Course Name:C225 – Java Programming **Year of Study:2019-2020** **Regulation:R18**	
CO#	**The student should be able to**
C225.1	List and use object oriented programming concepts for problem solving in Java
C225.2	Develop Programs for various applications using oops concepts and exceptional handling in Java.
C225.3	Learn how to reduce the wastage of CPU time with multi threading concepts in Java.
C225.4	Construct JDBC to provide a program level Interface for communicating with database using Java programming.
C225.5	Create GUI based application using Java programming.
C225.6	Demonstrate the event handling programs and identify the differences between applets and applications with examples.

Course Name: C312 – Data Communication and Computer Networks. **Year of Study:2019-2020** **Regulation:R16**	
CO#	**The student should be able to**
C312.1	Explore the basics of data communications and computer networks and layered approach used for simulating the networking environment.
C312.2	Examine various types of networks.
C312.3	Demonstrate the TCP/IO and OSI models with merits and demerits.
C312.4	Explore the various layers of OSI Model.
C312.5	Differentiate TCP and UDP models.
C312.6	Analyze various types of networks.

Course Name: C322 –Web Technologies.	
Year of Study:2019-2020	**Regulation:R16**
CO#	**The student should be able to**
C322.1	Gain knowledge of PHP languages for server side scripting.
C322.2	Apply the fundamental concepts of XML and learn the XML parsers to load the XML document in the user application.
C322.3	Implement the server side programming using Java Servlets.
C322.4	Develop server side programming and able to create dynamic web applications using JSP.
C322.5	Develop the dynamic web applications (pages) using Java script Client side programming.
C322.6	Establish the database connections using PHP ,Servlets and JSP.

Course Name:C412 - Principles of Programming Languages	
Year of Study:2019-2020	**Regulation:R16**
CO#	**The student should be able to**
C412.1	Express syntax and semantics in formal notation
C412.2	Apply suitable programming paradigm for the application and ability to compare the features of various programming languages.
C412.3	Analyze the programming paradigm of modern Program languages.
C412.4	Apply the concepts of OOPs, concurrency control and exception handling.
C412.5	Examine the different programming paradigm and evaluate their relative benefits.
C412.6	Select the principles and techniques involved in the implementation of modern programming languages.

Course Name:C422 – Modern Software Engineering	
Year of Study:2019-2020	**Regulation:R16**
CO#	**The student should be able to**
C422.1	Develop the project with extreme programming life cycle using agile methods.
C422.2	Communicate with all the stakeholders iteratively to maintain coding standards.
C422.3	Build, test, version control, continuous integration and document every release
C422.4	Plan, schedule and estimate a project by considering the risk management.
C422.5	Develop the project incrementally by testing the performance at each step.
C422.6	Apply the knowledge, techniques, and skills in the development of a software product.

The following list illustrates the Course Outcomes defined for one Course in every year and semester of study for the Academic Year 2020-21

Course Name: C212 – Data Structures **Year of Study:2020-2021**	**Regulation:R18**
CO#	**The student should be able to**
C212.1	Apply the notations used to analyze a performance of algorithms.
C212.2	Implement the concepts of stack , queue and their applications using arrays and linked lists.
C212.3	Construct trees and graphs using arrays and linked lists , apply tree and graph traversal methods in real time applications
C212.4	Compare and contrast various searching and sorting algorithms through activity based learning.
C212.5	Appreciate the need of balanced trees and analyze different operations in various balanced trees.
C212.6	Select appropriate data structures for a given problem

Course Name: C225 – Java Programming **Year of Study: 2020-2021**	**Regulation:R18**
CO#	**The student should be able to**
C225.1	Apply the notations used to analyze a performance of algorithms.
C225.2	Implement the concepts of stack , queue and their applications using arrays and linked lists.
C225.3	Construct trees and graphs using arrays and linked lists , apply tree and graph traversal methods in real time applications
C225.4	Compare and contrast various searching and sorting algorithms through activity based learning.
C225.5	Appreciate the need of balanced trees and analyze different operations in various balanced trees.
C225.6	Select appropriate data structures for a given problem

Course Name: C312 – Software Engineering **Year of Study: 2020-2021**	**Regulation:R18**
CO#	**The student should be able to**
C312.1	Identify the requirements, analyze and document them for the development of application by effectively communicating with the customer.
C312.2	Design, model, develop and maintain efficient and cost-effective software solution to various problems faced by the society.
C312.3	Analyze the software requirements and design the SRS document.
C312.4	Differentiate different software architectural styles.

C312.5	Apply software testing approaches such as unit testing and integration testing.
C312.6	Implement quality control and how to ensure good quality software.

Course Name: C321 - Machine Learning	
Year of Study: 2020-2021	**Regulation:R18**
CO#	**The student should be able to**
C321.1	Differentiate various learning approaches, and to interpret the concepts of supervised learning.
C321.2	Compare the different dimensionality reduction techniques.
C321.3	Apply theoretical foundations of decision trees to identify best split and Bayesian classifier to label data points.
C321.4	Illustrate the working of classifier models like SVM, Neural Networks and identify classifier model for typical machine learning applications.
C321.5	Identify the state sequence and evaluate a sequence emission probability from a given HMM.
C321.6	Illustrate and apply clustering algorithms and identify its applicability in real life problems.

Course Name: C413 – PE-II Python Programming	
Year of Study: 2020-2021	**Regulation:R16**
CO#	**The student should be able to**
C413.1	Understand python syntax and semantics and be fluent in the use of python flow control and functions.
C413.2	Compose, run and manipulate python programs using core data structures like lists, dictionaries and use regular expressions.
C413.3	Demonstrate proficiency in handling strings, file systems and applying exception handling to gain efficient testing android debugging skills in Python.
C413.4	Interpret the concepts of object oriented programming in Python.
C413.5	Implement exemplary applications related to network programming, web Services and database in python.
C413.6	Implement GUI programming using python.

Course Name: C422 – Modern Software Engineering **Year of Study: 2020-2021** **Regulation:R16**	
CO#	**The student should be able to**
C422.1	Develop the project with extreme programming life cycle using agile methods.
C422.2	Communicate with all the stakeholders iteratively to maintain coding standards.
C422.3	Build, test, version control, continuous integration and document every release
C422.4	Plan, schedule and estimate a project by considering the risk management.
C422.5	Develop the project incrementally by testing the performance at each step.
C422.6	Apply the knowledge, techniques, and skills in the development of a software product.

3.1.2 CO-PO matrices of courses selected in 3.1.1(Six matrices to be mentioned; one per semester from 3rd to 8th semester) (5)

Note: Enter correlation level as1, 2 or 3 as defined below:

1 : Slight (Low) 2 : Moderate(Medium)

3 : Substantial(High) - : If no correlation

The following tables reflect the CO-PO mapping for the courses whose mapping was shown above for Academic Year 2017-18

Course Code	Program Outcomes (PO's)												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3
C212 – Data Structures through C++															**Regulation:R16**
C212.1	3	3	3	3	-	-	-	-	2	-	2	2	3	3	3
C212.2	3	3	3	3	-	-	-	-	2	-	2	2	3	3	3
C212.3	3	3	3	3	-	-	-	-	2	-	2	2	3	3	3
C212.4	3	3	3	3	-	-	-	-	2	-	2	2	3	3	3
C212.5	3	3	3	3	-	-	-	-	2	-	2	2	3	3	3
C212.6	3	3	3	3	-	-	-	-	2	-	2	2	3	3	3
AVG	3	3	3	3	-	-	-	-	2	-	2	2	3	3	3

Course Code	Program Outcomes (PO's)												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C222 - Database Management Systems															**Regulation:R16**
C222.1	3	3	3	3	3	-	-	-	2	1	3	1	3	3	3
C222.2	3	3	3	3	3	-	-	-	2	2	1	-	3	3	3
C222.3	3	3	3	3	3	-	-	-	2	2	2	-	3	3	3
C222.4	3	3	3	3	-	-	-	-	2	2	3	-	3	3	3
C222.5	3	3	3	3	-	-	-	-	2	2	3	-	3	3	3
C222.6	3	3	3	3	-	-	-	-	2	2	3	2	3	3	3
AVG	3	3	3	3	3	-	-	-	2	1.83	2.5	1.5	3	3	3

Course Code	Program Outcomes (PO's)												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C314 - COMPILER DESIGN.														**Regulation:R15**	
C314.1	3	3	3	3	-	-	-	-	2	-	1	2	3	2	3
C314.2	2	2	3	2	-	-	-	-	2	-	1	2	3	2	3
C314.3	2	2	2	2	-	-	-	-	2	-	1	2	3	2	2
C314.4	2	-	2	2	-	-	-	-	2	-	1	2	3	2	1
C314.5	2	2	2	2	-	-	-	-	2	-	1	2	3	2	1
C314.6	3	2	3	3	-	-	-	-	2	1	1	2	3	2	1
AVG	2.33	2.2	2.5	2.33	-	-	-	-	2	1	1	2	3	2	1.83

Course Code	Program Outcomes (PO's)												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C321 – Distributed Systems.														**Regulation:R15**	
C321.1	2	-	-	-	-	-	-	-	-	-	-	-	2	2	-
C321.2	1	3	-	-	-	-	-	-	3	2	-	-	2	2	3
C321.3	3	2	-	-	-	-	-	-	-	-	-	-	2	2	-
C321.4	1	3	-	-	-	-	-	-	-	-	-	-	2	2	3
C321.5	3	-	3	-	-	-	-	-	-	-	-	-	2	2	-
C321.6	1	3	-	-	-	-	-	-	-	-	-	-	2	2	3
AVG	1.83	2.75	3	-	-	-	-	-	3	2	-	-	2	2	3

Course Code	Program Outcomes (PO's)												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C412 - Design patterns													**Regulation:R13**		
C412.1	2	2	3	-	-	-	-	-	-	-	1	1	-	2	-
C412.2	2	2	3	2	-	-	-	-	3	3	1	1	-	2	2
C412.3	2	2	3	-	-	-	-	-	-	-	1	1	-	2	-
C412.4	2	2	3	-	-	-	-	-	-	-	1	1	2	2	2
C412.5	1	2	3	-	-	-	-	-	-	-	1	1	-	2	2
C412.6	1	2	3	2	-	-	-	-	-	2	1	1	-	2	-
AVG	1.66	2	3	2	-	-	-	-	3	2.5	1	1	2	2	2

Course Code	Program Outcomes (PO's)												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C422 - Semantic Web and Social Networks													**Regulation:R13**		
C422.1	**3**	**3**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**3**	**1**
C422.2	**3**	**3**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**-**	**2**	**3**	**1**
C422.3	**3**	**3**	**-**	**-**	**-**	**3**	**-**	**-**	**-**	**-**	**2**	**-**	**2**	**3**	**1**
C422.4	**3**	**3**	**-**	**-**	**-**	**3**	**-**	**-**	**-**	**-**	**-**	**-**	**2**	**3**	**1**
C422.5	**3**	**3**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**3**	**2**	**3**	**1**
C422.6	**3**	**3**	**3**	**-**	**-**	**3**	**-**	**-**	**-**	**-**	**3**	**2**	**2**	**3**	**1**
AVG	**3**	**3**	**3**	**-**	**-**	**3**	**-**	**-**	**-**	**-**	**2.33**	**2.5**	**2**	**3**	**1**

The following tables reflect the CO-PO mapping for the courses whose mapping was shown above for Academic Year 2018-19

Course Code	Program Outcomes (PO's)												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C213 - Mathematical Foundations of Computer Science													**Regulation:R16**		
C213.1	3	3	3	2	2	-	-	-	-	-	-	2	3	3	2
C213.2	3	3	3	2	2	-	-	-	-	-	-	3	3	3	3
C213.3	3	3	3	2	-	-	-	-	-	-	-	1	2	3	1
C213.4	3	3	3	2	-	-	-	-	-	-	-	2	1	3	2
C213.5	3	3	3	2	-	-	-	-	-	-	-	1	1	2	2
C213.6	3	3	3	3	-	-	-	-	-	-	-	2	-	-	2
AVG	3	3	3	2.16	2	-	-	-	-	-	-	1.83	2	2.8	2

Course Code	Program Outcomes (PO's)												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C223 - Operating systems.													**Regulation:R16**		
C223.1	3	1	2	-	-	-	-	-	-	-	-	-	3	2	2
C223.2	3	3	2	-	-	-	-	-	-	-	-	-	3	2	2
C223.3	3	3	2	-	-	-	-	-	-	-	-	-	3	2	2
C223.4	3	3	2	-	-	-	-	-	-	-	-	-	3	2	2
C223.5	3	3	2	2	-	-	-	-	2	-	-	-	3	2	2
C223.6	3	3	2	3	-	-	-	-	2	-	-	3	3	2	2
AVG	3	2.66	2	2.5	-	-	-	-	2	-	-	3	3	2	2

Course Code	Program Outcomes (PO's)												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C311 - Design and Analysis of Algorithms.															**Regulation:R16**
C311.1	3	3	3	1	3	-	-	-	2	2	2	-	3	3	3
C311.2	3	3	3	3	3	-	-	-	2	2	2	-	3	3	3
C311.3	3	3	3	3	3	-	-	-	2	2	2	-	3	3	3
C311.4	3	3	3	3	2	-	-	-	2	2	3	-	3	3	3
C311.5	3	3	3	3	2	-	-	-	2	2	2	-	3	3	3
C311.6	3	3	3	3	3	-	-	-	2	3	3	3	3	3	3
AVG	3	3	3	2.66	2.66	-	-	-	2	2.16	2.33	3	3	3	3

Course Code	Program Outcomes (PO's)												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C322 –Web Technologies.															**Regulation:R16**
C322.1	3	3	3	3	3	-	-	-	-	-	3	2	3	3	2
C322.2	3	3	3	3	3	-	-	-	-	-	3	2	3	3	2
C322.3	3	3	3	3	3	-	-	-	-	-	3	2	3	3	2
C322.4	3	3	3	3	3	-	-	-	-	-	3	2	3	3	2
C322.5	3	3	3	3	3	-	-	-	-	-	3	2	3	3	2
C322.6	3	3	3	3	3	-	-	-	2	2	3	2	3	3	2
AVG	3	3	3	3	3	-	-	-	2	2	3	2	3	3	2

Course Code	Program Outcomes (PO's)												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C411 - Linux Programming													**Regulation:R15**		
C411.1	2	-	-	-	-	-	-	-	-	-	-	-	2	3	2
C411.2	3	-	-	-	3	-	-	-	-	-	-	2	2	3	2
C411.3	2	-	-	2	2	-	-	-	-	-	-	-	2	3	2
C411.4	2	-	-	-	-	-	-	-	-	-	-	-	2	3	2
C411.5	2	-	-	-	-	-	-	-	-	-	-	-	2	3	2
C411.6	2	-	-	2	2	-	-	-	-	-	-	-	2	3	2
AVG	2.16	-	-	2	2.33	-	-	-	-	-	-	**2**	2	3	2

Course Code	Program Outcomes (PO's)												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C422 - Semantic Web and Social Networks													**Regulation:R15**		
C422.1	**3**	**3**	-	-	-	-	-	-	-	-	-	-	**2**	**3**	**1**
C422.2	**3**	**3**	-	-	-	-	-	-	-	-	**2**	-	**2**	**3**	**1**
C422.3	**3**	**3**	-	-	-	**3**	-	-	-	-	**2**	-	**2**	**3**	**1**
C422.4	**3**	**3**	-	-	-	**3**	-	-	-	-	-	-	**2**	**3**	**1**
C422.5	**3**	**3**	-	-	-	-	-	-	-	-	-	**3**	**2**	**3**	**1**
C422.6	**3**	**3**	**3**	-	-	**3**	-	-	-	-	**3**	**2**	**2**	**3**	**1**
AVG	**3**	**3**	**3**	-	-	**3**	-	-	-	-	**2.33**	**2.5**	**2**	**3**	**1**

The following tables reflect the CO-PO mapping for the courses whose mapping was shown above for Academic Year 2019-20

Course Code	Program Outcomes (PO's)												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C212 – Data Structures													**Regulation:R18**		
C212.1	3	3	3	3	-	-	-	-	2	-	2	2	3	3	3
C212.2	3	3	3	3	-	-	-	-	2	-	2	2	3	3	3
C212.3	3	3	3	3	-	-	-	-	2	-	2	2	3	3	3
C212.4	3	3	3	3	-	-	-	-	2	-	2	2	3	3	3
C212.5	3	3	3	3	-	-	-	-	2	-	2	2	3	3	3
C212.6	3	3	3	3	-	-	-	2	2	-	2	2	3	3	3
AVG	3	3	3	3	-	-	-	2	2	-	2	2	3	3	3

Course Code	Program Outcomes (PO's)												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C225 – Java Programming													**Regulation:R18**		
C225.1	2	3	3	-	3	-	-	-	-	-	2	-	3	3	2
C225.2	2	3	3	2	3	-	-	-	-	-	2	-	3	3	2
C225.3	2	3	3	2	3	-	-	-	3	3	2	3	3	3	2
C225.4	2	3	3	2	3	-	-	-	3	3	2	3	3	3	2
C225.5	2	3	3	2	3	-	-	-	3	3	2	3	3	3	2
C225.6	2	3	3	-	3	-	-	-	-	-	2	3	3	3	2
AVG	2	3	3	2	3	-	-	-	3	3	2	3	3	3	2

Course Code	Program Outcomes (PO's)												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C312 – Data Communication and Computer Networks.													**Regulation:R16**		
C312.1	**1**	**1**	**-**	**-**	**2**	**-**	**-**	**-**	**-**	**-**	**2**	**1**	**1**	**1**	**3**
C312.2	**1**	**1**	**-**	**-**	**2**	**-**	**-**	**-**	**-**	**-**	**2**	**1**	**1**	**1**	**3**
C312.3	**2**	**2**	**-**	**-**	**2**	**-**	**-**	**-**	**1**	**1**	**2**	**3**	**3**	**2**	**3**
C312.4	**2**	**2**	**-**	**2**	**2**	**-**	**-**	**-**	**2**	**1**	**2**	**3**	**3**	**2**	**3**
C312.5	**2**	**3**	**-**	**2**	**2**	**-**	**-**	**-**	**2**	**2**	**2**	**3**	**3**	**2**	**3**
C312.6	**2**	**2**	**2**	**-**	**2**	**-**	**-**	**-**	**3**	**2**	**2**	**3**	**3**	**2**	**3**
AVG	**1.66**	**1.83**	**2**	**2**	**2**	**-**	**-**	**-**	**2**	**1.5**	**2**	**2.33**	**2.33**	**1.66**	**3**

Course Code	Program Outcomes (PO's)												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C322 –Web Technologies.													**Regulation:R16**		
C322.1	**3**	**3**	**3**	**3**	**3**	**-**	**-**	**-**	**-**	**-**	**3**	**2**	**3**	**3**	**2**
C322.2	**3**	**3**	**3**	**3**	**3**	**-**	**-**	**-**	**-**	**-**	**3**	**2**	**3**	**3**	**2**
C322.3	**3**	**3**	**3**	**3**	**3**	**-**	**-**	**-**	**-**	**-**	**3**	**2**	**3**	**3**	**2**
C322.4	**3**	**3**	**3**	**3**	**3**	**-**	**-**	**-**	**-**	**-**	**3**	**2**	**3**	**3**	**2**
C322.5	**3**	**3**	**3**	**3**	**3**	**-**	**-**	**-**	**-**	**-**	**3**	**2**	**3**	**3**	**2**
C322.6	**3**	**3**	**3**	**3**	**3**	**-**	**-**	**-**	**2**	**2**	**3**	**2**	**3**	**3**	**2**
AVG	**3**	**3**	**3**	**3**	**3**	**-**	**-**	**-**	**2**	**2**	**3**	**2**	**3**	**3**	**2**

Course Code	Program Outcomes (PO's)												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C412 - Principles of Programming Languages													**Regulation:R16**		
C412.1	**1**	**1**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**1**	**2**	**-**	**3**	**2**	**2**
C412.2	**1**	**1**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**1**	**2**	**3**	**3**	**2**	**2**
C412.3	**1**	**1**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**1**	**2**	**-**	**3**	**2**	**2**
C412.4	**1**	**1**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**1**	**2**	**-**	**1**	**1**	**1**
C412.5	**1**	**1**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**1**	**2**	**-**	**1**	**1**	**1**
C412.6	**1**	**1**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**1**	**2**	**3**	**1**	**1**	**1**
AVG	**1**	**1**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**1**	**2**	**3**	**2**	**1.5**	**1.5**

Course Code	Program Outcomes (PO's)												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C422 – Modern Software Engineering													**Regulation:R16**		
C422.1	**-**	**-**	**1**	**-**	**1**	**-**	**-**	**-**	**1**	**-**	**1**	**1**	**1**	**-**	**1**
C422.2	**1**	**1**	**1**	**-**	**1**	**-**	**-**	**-**	**-**	**1**	**2**	**-**	**2**	**-**	**-**
C422.3	**-**	**-**	**2**	**1**	**1**	**-**	**-**	**-**	**-**	**1**	**1**	**-**	**2**	**1**	**1**
C422.4	**-**	**1**	**1**	**1**	**1**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**1**	**-**
C422.5	**1**	**1**	**1**	**1**	**1**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
C422.6	**-**	**-**	**1**	**-**	**1**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1**	**1**	**-**
AVG	**1**	**1**	**1.16**	**1**	**1**	**-**	**-**	**-**	**1**	**1**	**1.33**	**1**	**1.4**	**1**	**1**

The following tables reflect the CO-PO mapping for the courses whose mapping was shown above for Academic Year 2020-21

Course Code	Program Outcomes (PO's)												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C212 – Data Structures													**Regulation:R18**		
C212.1	3	3	3	3	-	-	-	-	2	-	2	2	3	3	3
C212.2	3	3	3	3	-	-	-	-	2	-	2	2	3	3	3
C212.3	3	3	3	3	-	-	-	-	2	-	2	2	3	3	3
C212.4	3	3	3	3	-	-	-	-	2	-	2	2	3	3	3
C212.5	3	3	3	3	-	-	-	-	2	-	2	2	3	3	3
C212.6	3	3	3	3	-	-	-	2	2	-	2	2	3	3	3
AVG	3	3	3	3	-	-	-	2	2	-	2	2	3	3	3

Course Code	Program Outcomes (PO's)												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C225 – Java Programming													**Regulation:R18**		
C225.1	2	3	3	-	3	-	-	-	-	-	2	-	3	3	2
C225.2	2	3	3	2	3	-	-	-	3	3	2	-	3	3	2
C225.3	2	3	3	2	3	-	-	-	3	3	2	3	3	3	2
C225.4	2	3	3	2	3	-	-	-	3	3	2	3	3	3	2
C225.5	2	3	3	-	3	-	-	-	-	-	2	3	3	3	2
C225.6	2	3	3	2	3	-	-	-	-	-	2	3	3	3	2
AVG	2	3	3	2	3	-	-	-	3	3	2	3	3	3	2

Course Code	Program Outcomes (PO's)												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C312 – Software Engineering													**Regulation:R18**		
C312.1	3	3	3	-	3	-	-	-	-	3	-	-	2	3	3
C312.2	3	3	3	3	3	-	-	-	-	-	3	-	2	3	3
C312.3	3	3	-	3	-	-	-	-	-	2	-	-	2	3	3
C312.4	2	1	1	1	1	-	-	2	3	2	3	3	2	3	3
C312.5	3	2	3	-	1	-	-	-	2	2	3	-	2	3	3
C312.6	3	3	1	2	3	-	-	1	1	-	2	-	2	3	3
AVG	2.8	2.5	2.2	2.25	2.2	-	-	1.5	2	2.25	2.75	3	2	3	3

Course Code	Program Outcomes (PO's)												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C321 - Machine Learning													**Regulation:R18**		
C321.1	3	3	3	1	-	-	-	-	1	-	-	2	-	-	3
C321.2	3	3	3	1	-	-	-	-	1	-	-	1	-	-	3
C321.3	3	3	3	1	-	1	-	-	1	-	-	1	-	-	2
C321.4	3	3	3	1	-	-	-	-	1	-	-	2	-	-	1
C321.5	3	3	3	2	-	-	-	-	-	-	-	-	-	-	1
C321.6	3	3	3	3	-	-	-	-	-	-	-	-	-	-	1
AVG	3	3	3	1.5	-	1	-	-	1	-	-	1.5	-	-	1.83

Course Code	Program Outcomes (PO's)												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C413 – Python Programming													**Regulation:R16**		
C413.1	3	3	3	2	-	-	-	-	2	2	3	3	3	2	3
C413.2	3	3	3	2	-	-	-	-	2	2	3	3	3	2	3
C413.3	3	3	3	2	-	-	-	-	2	2	3	3	3	2	3
C413.4	3	3	3	2	-	-	-	-	2	2	3	3	3	2	3
C413.5	3	3	3	2	-	-	-	-	2	2	3	3	3	2	3
C413.6	3	3	3	3	-	-	-	-	2	3	3	3	3	3	3
AVG	3	3	3	2.16	-	-	-	-	2	2.16	3	3	3	2.16	3

Course Code	Program Outcomes (PO's)												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
C422 – Modern Software Engineering													**Regulation:R16**		
C422.1	-	-	1	-	1	-	-	-	1	-	1	1	1	-	1
C422.2	1	1	1	-	1	-	-	-	-	1	2	-	2	-	-
C422.3	-	-	2	1	1	-	-	-	-	1	1	-	2	1	1
C422.4	-	1	1	1	1	-	-	-	-	-	-	-	1	1	-
C422.5	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-
C422.6	-	-	1	-	1	-	-	-	-	-	-	-	1	1	-
AVG	1	1	1.16	1	1	-	-	-	1	1	1.33	1	1.4	1	1

3.1.3 - A Program level Course-PO matrix of all courses INCLUDING first year courses(10) (R13REGULATION)

Year of Study	I	II	III	IV	Regulation
Academic Year	2014-15	2015-16	2016-17	2017-18	R13

COURSE CODE	COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C101	English	-	-	-	3	-	-	-	-	-	3	-	-	-	-	-
C102	Mathematics – I	2.25	2.5	2.5	-	-	-	-	-	-	-	-	-	2.75	2.5	-
C103	Mathematical Methods	2.5	1.83	0.33	1.67	1.67	-	-	-	0.33	1.66	0.83	0.17	2	2.8	2
C104	Engineering Physics	3	2	2	2	-	-	-	-	-	-	-	-	2.33	3	-
C105	Engineering Chemistry	2.33	2.17	2.33	1	-	-	2	-	-	-	-	2.5	-	-	-
C106	Computer Programming	2.17	2	2.17	2.2	2.4	3	-	-	2.5	2.5	2	2.33	2.2	2.5	2
C107	Engineering Drawing	2.4	2.33	-	-	3	3	-	2.33	-	2.5	-	2	-	-	-
C108	Computer Programming Lab.	2.5	2.2	2.5	2.33	2.2	2.5	-	-	-	-	-	2.5	2	2.25	2.25
C109	Engineering Physics / Engineering Chemistry Lab	1.5	1.33	1.16	1.5	0.83	0.66	0.66	-	0.5	1.16		1.16	1	-	-
C110	English Language Communication Skills Lab	-	-	-	-	-	-	-	-	3	3	-	2	-	-	-

C111	IT Workshop / Engineering Workshop	2.8	2	-	-	-	2	2	-	-	3	2	2	2.5	2	-
C211	Probability and Statistics	2.67	2.5	2.33	-	-	-	-	-	-	-	-	2.5	-	-	2
C212	Mathematical Foundations of Computer Science	3	3	3	2.16	2	-	-	-	-	-	-	1.83	2	2.8	2
C213	Data Structures	3	3	3	3	-	-	-	2	2	-	2	2	3	3	3
C214	Digital Logic Design	2.2	2	1	1.6	1.16	-	-	-	-	-	-	1	3	2	3
C215	Electronic Devices and Circuits	2.83	2.5	2.2	2.25	2.2	-	-	-	-	-	-	-	2.5	2.67	2.83
C216	Basic Electrical Engineering	2.2	2	2.5	-	-	2	2	2	2.5	2	2.5	2.5	2.4	2.5	2.5
C217	Electrical and Electronics Lab	3	2.67	2.5	2	-	-	-	-	2	-	-	2	-	-	-
C218	Data Structures Lab	3	3	3	3	3		2	2	3		2	2	3	3	3
C221	Computer Organization	2	2.25	3	-	-	-	-	-	-	-	-	-	2.5	2.67	-
C222	Database Management Systems	3	3	3	3	3	-	-	-	2	1.83	2.5	1.5	3	3	3

C223	Java Programming	2	3	3	2	3	-	2		3	3	2	3	3	3	2
C224	Environmental studies	-	-	2.17		3	-	3	2	-	-	-	2	-	2	-
C225	Formal Languages and Automata Theory	1	1	1	2.16	-	-	-	-	-	-	-	-	2	2.8	2
C226	Design and Analysis of Algorithms	3	3	3	2.67	3	-	-	-	2	2.17	2.17	3	3	3	3
C227	Java Programming Lab	3	3	2.17	2.17	-	-	-	-	2.17	2	2.17	2	3	2.17	3
C228	Database Management Systems Lab	3	3	3	3	2			2	-	-	2	2	3	3	2
C311	Principles of Programming Languages	1	1	-	-	-	-	-	-	1	1	2	3	2	1.5	1.5
C312	Disaster Management	-	-	2	-	-	-	2	-	-	-	-	-	-	-	-
C313	Software Engineering	2.8	2.5	2.6	2.25	2.2	-	-	1.5	2	2.25	2.75	3	2	3	3
C314	Compiler Design	2.33	2.28	2.5	2.33	-	-	-	-	2	1	1	2	3	2	1.83

C315	Operating Systems	3	2.66	2	2.5	-	-	-	-	2	-	-	3	3	2	2
C316	Computer Networks	1.16	2	2.5	1	1.66	-	-	-	2	1.5	1.5	1.83	1.66	2.33	1.83
C317	Operating Systems Lab	3	3	3	3	2	-	-	-	2	-	2	3	3	2	2
C318	Compiler Design Lab	2.33	2.83	3	2.33	2	-	-	-	2	-	2.16	2	3	2.16	2.16
C321	Distributed Systems	1.83	2.75	3	-	-	-	-	-	3	2	-	-	2	2	3
C322	Information Security	2.16	2.16	2	1.33	-	-	-	-	-	-	2	2	2	2	2
C323	Object Oriented Analysis and Design	2	3	3	3	3	-	-	-	2	2	3	2	0.83	3	0.83
C324	Software Testing Methodologies	2	2	2.5	2	-	-	-	2	3	2	3	1	2	3	2
C325	Managerial Economics and Financial Analysis	-	-	-	-	-	-	-	-	2	2	2.8	3	-	-	-
C326	Web Technologies	3	3	3	3	3	-	-	-	2	2	3	2	3	3	2

C327	Case Tools and Web Technologies Lab	2.33	2	2.33	2	3	-	-	-	3	2	2.33	2	2	3	3
C328	Advanced Communication Skills Lab	-	-	-	-	-	2	3	2	2	3	-	-	1.66	2.16	3
C411	Linux Programming	2.16	-	-	2	2.3	-	-	-	-	-	-	2	2	3	2
C412	Design Patterns	1.66	2	3	2	-	-	-	-	3	2.5	1	1	2	2	2
C413	Data Warehousing and Data Mining	2.5	2.83		3	3	-	-	-	2	2	3	1.83	3	3	3
C414	Cloud Computing	2	2	2.66	3	-	-	-	3	3	2	2	-	3	2	1.66
C415	Software Project Management	2.5	2.66	2.5	1.5	2	-	-	1.5	2.16	2.5	2.66	2	2.16	2.5	2.83
C416	Information Retrieval Systems	2.5	2.5	1.83	1.83	2	-	-	-	-	3	1.8	-	2	2.66	3
C417	Linux Programming Lab	2	2	2		2	-	-	-	-	-	2	2	2	2	1.66

C418	Data Warehousing and Mining Lab	2	2	3	2.25	3	-	-	-	2	2.5	-	2	3	3	2.5
C421	Management Science	-	-	-	-	-	-	-	-	2.33	2.5	3	3	1.66	-	-
C422	Semantic Web and Social Networks	3	3	3	-	-	3	-	-	-	-	2.33	2.5	2	3	1
C423	Embedded Systems	2.5	2.33	2.33	2.5	1.67	-	-	-	-	1.75	2	1.83	2.17	2.33	
C424	Industry Oriented Mini Project	2	2.5	3	2.5	2	-	-	3		3	-	3	1	2	2
C425	Seminar	2	3	-	-	-	-	-	-	2.5	3	-	3	1	2	-
C426	Project Work	3	3	3	3	3	3	2	3	3	3	3	3	2	2	2
C427	Comprehensive Viva	3	3	3	-	-	-	-	2	3	3	-	3	2	-	-

Year of Study	I	II	III	IV	Regulation
Academic Year	2015-16	2016-17	2017-18	2018-19	R15

COURSE CODE	COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C101	English	-	-	-	3	-	-	-	-	-	3	-	-	-	-	-
C102	Mathematics – I	2.25	2.5	2.5	-	-	-	-	-	-	-	-	-	2.75	2.5	-
C103	Mathematical Methods	2.5	1.83	0.33	1.67	1.67	-	-	-	0.33	1.33	0.83	0.17	2	2.8	2
C104	Engineering Physics	3	2	2	2	-	-	-	-	-	-	-	-	2.33	3	-
C105	Engineering Chemistry	2.33	2.17	2.33	1	-	-	2	-	-	-	-	2.5	-	-	-
C106	Computer Programming	2.17	2	2.17	2.2	2.4	3	-	-	2.5	2.5	2	2.33	2.2	2.5	2
C107	Engineering Drawing	2.4	2.33	-	-	3	3	-	2.33	-	2.5	-	2	-	-	-
C108	Computer Programming Lab.	2.5	2.2	2.5	2.33	2.2	2.5	-	-	-	-	-	2.5	2	2.25	2.25
C109	Engineering Physics / Engineering Chemistry Lab	1.5	1.33	1.16	1.5	0.83	1	0.66		0.5	1.16	-	1.16	1	-	-
C110	English Language Communication Skills Lab	-	-	-	-	-	-	-	-	3	3	-	2	-	-	-

C111	IT Workshop / Engineering Workshop	2.8	2	-	-	-	2	2	-	-	3	2	2	2.5	2	-
C211	Probability and Statistics	2.67	2.5	2.33	-	-	-	-	-	-	-	-	2.5	-	-	2
C212	Mathematical Foundations of Computer Science	3	3	3	2.16	2	-	-	-	-	-	-	1.83	2	2.8	2
C213	Data Structures	3	3	3	3	-	-	-	2	2		2	2	3	3	3
C214	Digital Logic Design	2.2	2	1	1.6	1.16	-	-	-	-	-	-	1	3	2	3
C215	Electronic Devices and Circuits	2.83	2.5	2.2	2.25	2.2	-	-	-	-	-	-	-	2.5	2.67	2.83
C216	Basic Electrical Engineering	2.2	2	2.5	-	-	2	2	2	2.5	2	2.5	2.5	2.4	2.5	2.5
C217	Electrical and Electronics Lab	3	2.67	2.5	2	-	-	-	-	-	-	-	2	-	-	-
C218	Data Structures Lab	3	3	3	3	3	-	2	2	3	-	2	2	3	3	3
C221	Computer Organization	2	2.25	3	-	-	-	-	-	-	-	-	-	2.5	2.67	-

C222	Database Management Systems	3	3	3	3	3	-	-	2.33	2	1.83	2.5	1.5	3	3	3
C223	Java Programming	2	3	3	2	3	-	2	-	3	3	2	3	3	3	2
C224	Environmental studies	-	-	2.17		3	-	3	2	-	-	-	2	-	2	-
C225	Formal Languages and Automata Theory	1	1	1	2.16	2	-	-	-	-	-	-	-	2	2.8	2
C226	Design and Analysis of Algorithms	3	3	3	2.67	3	-	-	-	2	2.17	2.17	3	3	3	3
C227	Java Programming Lab	3	3	2.17	2.17	-	-	-	-	2.17	2	2.17	2	3	2.17	3
C228	Database Management Systems Lab	3	3	3	3	2	-	-	2	-	-	2	2	3	3	2
C311	Principles of Programming Languages	1	1	-	-	-	-	-	-	1	1	2	3	2	1.5	1.5
C312	Disaster Management	-	-	2	-	-	-	2	-	-	-	-	-	-	-	-

C313	Software Engineering	2.8	2.5	2.6	2.25	2.2	-	-	1.5	2	2.25	2.75	3	2	3	3
C314	Compiler Design	2.33	2.28	2.5	2.33	-	-	-	-	2	1	1	2	3	2	1.83
C315	Operating Systems	3	2.66	2	2.5	-	-	-	-	2	-	-	3	3	2	2
C316	Computer Networks	1.16	2	2.5	1	1.66	-	-	-	2	1.5	1.5	1.83	1.66	2.33	1.83
C317	Operating Systems Lab	3	3	3	3	2	-	-	-	2	-	2	3	3	2	2
C318	Compiler Design Lab	2.33	2.83	3	2.33	2	-	-	-	2		2.16	2	3	2.16	2.16
C321	Distributed Systems	1.83	2.75	3	-	-	-	-	-	3	2	-	-	2	2	3
C322	Information Security	2.16	2.16	2	1.33	-	-	-	-	-	-	2	2	2	2	2
C323	Object Oriented Analysis and Design	2	3	3	3	3	-	-	-	2	2	3	2	0.83	3	0.83
C324	Software Testing Methodologies	2	2	2.5	2	-	-	-	2	3	2	3	1	2	3	2

C325	Managerial Economics and Financial Analysis	-	-	-	-	-	-	-	-	2	2	2.8	3	-	-	-
C326	Web Technologies	3	3	3	3	3	-	-	-	2	2	3	2	3	3	2
C327	Case Tools and Web Technologies Lab	2.33	2	2.33	2	3	-	-	-	3	2	2.33	2	2	3	3
C328	Advanced Communication Skills Lab	-	-	-	-	-	2	3	2	2	3	-	-	1.66	2.16	3
C411	Linux Programming	2.16			2	2.3	-	-	-	-	-	-	2	2	3	2
C412	Design Patterns	1.66	2	3	2	-	-	-	-	3	2.5	1	1	2	2	2
C413	Data Warehousing and Data Mining	2.5	2.83	-	3	3	-	-	-	2	2	3	1.83	3	3	3
C414	Cloud Computing	2	2	2.66	3	-	-	-	3	3	2	2		3	2	1.66
C415	Software Project Management	2.5	2.66	2.5	1.5	2	-	-	1.5	2.16	2.5	2.66	2	2.16	2.5	2.83

C416	Information Retrieval Systems	2.5	2.5	1.83	1.83	2	-	-	-	-	3	1.8	-	2	2.66	3
C417	Linux Programming Lab	2	2	2	-	2	-	-	-	-	-	2	2	2	2	1.66
C418	Data Warehousing and Mining Lab	2	2	3	2.25	3	-	-	-	2	2.5	-	2	3	3	2.5
C421	Management Science	-	-	-	-	-	-	-	-	2.33	2.5	3	3	1.66	-	-
C422	Semantic Web and Social Networks	3	3	3	-	-	3	-	-	-	-	2.33	2.5	2	3	1
C423	Storage Area Networks	-	2.3	3	2	2	-	2.5	-	-	2	2	2.6	2.5	2.83	3
C424	Industry Oriented Mini Project	2	2.5	3	2.5	2	-	-	3	-	3	-	3	1	2	2
C425	Seminar	2	3	-	-	-	-	-	-	2.5	3	-	3	1	2	-
C426	Project Work	3	3	3	3	3	3	2	3	3	3	3	3	2	2	2
C427	Comprehensive Viva	3	3	3	-	-	-	-	2	3	3	-	3	2	-	-

Year of Study	I	II	III	IV	Regulation
Academic Year	2016-17	2017-18	2018-19	2019-20	R16

COURSE CODE	COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C111	Mathematics-I	2.25	2.5	2.5	-	-	-	-	-	-	-	-	-	2.75	2.5	-
C112	Engineering Chemistry	2.33	2.17	2.33	1	-	-	2	-	-	-	-	-	-	-	-
C113	Engineering Physics-I	3	2	2	2	-	-	-	-	-	-	-	-	2.33	3	-
C114	Professional Communication in English	-	-	-	3	-	-	-	-	-	3	-	-	-	-	-
C115	Engineering Mechanics	2.8	2	-	-	-	2	-	-	-	3	-	2	-	-	-
C116	Basic Electrical and Electronics Engineering	2.2	2	2.5	-	-	2	-	-	2.5		2.5	2.5	-	-	-
C117	English Language Communication Skills Lab	-	-	-	-	-	-	-	-	3	3	-	2	-	-	-
C118	Engineering Workshop	2.8	2	-	-	-	-	2	-	-	3	-	2	-	-	-
C121	Engineering Physics-II	2.5	2.17	3	-	-	-	-	-	-	-	-	-	2.25	2	-
C122	Mathematics-II	2.5	3	2.67	-	-	-	-	-	-	-	-	-	2.33	2.5	-

C123	Mathematics-III	2.5	2.33	2.33	-	-	-	-	-	-	-	-	-	2.67	3	-
C124	Computer Programming in C	2.17	2	2.17	2.2	2.4	-	-	-	-	-	-	2.33	2.2	2.5	2
C125	Engineering Graphics	2.67	2.67	-	2	-	-	-	-	-	-	-	1	-	-	-
C126	Engineering Chemistry Lab	2	2.33	-	-	-	2.33	3	-	3	-	-	-	-	-	-
C127	Engineering Physics Lab	2	2	2.67	2.2	3	-	-	-	-	2.5	-	-	2.3	2	
C128	Computer Programming in C Lab	1	1	1.16	1.83	1	-	-	-	-	-	-	1	2.83	2.55	2.66
C211	Mathematics – IV	1.5	2.16	1	2	1.5	-	-	-	-	-	-	-	1.66	2	3
C212	Data Structures through C++	3	3	3	3	-	-	-	-	2	-	2	2	3	3	3
C213	Mathematical Foundations of Computer Science	3	3	3	2.16	2	-	-	-	-	-	-	1.83	2	2.8	2
C214	Digital Logic Design	2.2	2	1	1.6	1.16	-	-	-	-	-	-	1	3	2	3
C215	Object Oriented Programming through Java	2	3	3	2	3	-	-	-	3	-	-	3	3	3	2

C216	Data Structures through C++ Lab	3	3	3	3	3	-	-	-	3	-	2	-	3	3	3
C217	IT Workshop	2	2	1.3	1.5	1.5	-	-	-	2	1	1	1.66	1	1.16	1.66
C218	Object Oriented Programming through Java Lab	3	3	2.16	2.16	-	-	-	-	2.16	2	2.16	2	3	2.16	3
C219	Environmental Science and Technology	-	-	2.16		3	-	3	2	-	-	-	2	-	-	-
C221	Computer Organization	2	2.25	3	-	-	-	-	-	-	-	-	-	2.5	2.66	-
C222	Database Management Systems	3	3	3	3	3	-	-	-	2	1.83	2.5	1.5	3	3	3
C223	Operating Systems	3	2.66	2	2.5	-	-	-	-	2	-	-	3	3	2	2
C224	Formal Languages and Automata Theory	1	1	1	2.16	2	-	-	-	-	-	-	-	2	2.8	2
C225	Business Economics and Financial Analysis	-	-	-	-	-	-	-	-	2	2	2.33	2.16	-	-	-

C226	Computer Organization Lab	1	2	2.5	1	1.33	-	-	-	3	1.75		2	2	2.4	2
C227	Database Management Systems Lab	3	3	3	3	2	-	-	-	-	-	2	2	3	3	2
C228	Operating Systems Lab	3	3	3	3	2				2		2	3	3	2	2
C229	Gender sensitization Lab	-	-	-	-	-	3		2.25	-	-	-	-	-	-	-
C311	Design and Analysis of Algorithms	3	3	3	2.66	2.66	-	-	-	2	2.16	2.33	3	3	3	3
C312	Data Communication and Computer Networks	1.66	1.83	2	2	2	-	-	-	2	1.5	2	2.33	2.33	1.66	3
C313	Software Engineering	2.83	2.5	2.2	2.25	2.2			1.5	2	2.25	2.75	3	2	3	3
C314	Fundamentals of Management	-	-	-	-	-	2.66		2.5	2.83	1.83	3	1.83	-	-	-
C315	Open Elective –I Scripting languages	1.5	2	1	1	3	-	-	-	-	-	-	-	2.4	2.75	3
C316	Design and Analysis of Algorithms Lab	1.83	3	3	3	3	-	-	-	2		2	3	1.33	3	3

C317	Computer Networks Lab	3	2.4	2	1	2	-	-	-	-	-	-	3	2.2	2.2	2.2
C318	Software Engineering Lab	-	-	2.5	1	3	-	-	3		2	2	3	3	2.25	
C319	Professional Ethics	-	-	-	-	-	-	-	1.83	-	-	-	-	-	-	-
C321	Compiler Design	2.33	2.83	2.5	2.5	-	-	-	-	2	1	1	2	3	2	1.83
C322	Web Technologies	3	3	3	3	3	-	-	-	2	2	3	2	3	3	2
C323	Cryptography and Network Security	2.83	2.66	2.83	2.83	2.33	-	-	-	-	-	-	1.83	3	3	3
C324	Open Elective-II : Remote sensing & GIS	3	2.66	2.4	2.2	2.8	-	-	-	-	1.5	2.8	3	2.3	2.16	2.3
C325	Professional Elective-I :Mobile Computing	2	2	2	2.5	-	-	-	-	3	2	1.66	3	3	2	2
C326	Cryptography and Network Security Lab	2.66	2.33	2.33	2	3	-	-	-	-	-	-	2	2.33	2.16	2.33
C327	Web Technologies Lab	3	3	3	3	3	-	-	-	2	2	3	2	3	3	2
C328	Advanced English Communication Skills Lab	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-

C411	Data Mining	3	1.5	1	1	-	-	-	-	-	-	-	2	1.83	1	1
C412	Principles of Programming Languages	1	1	-	-	-	-	-	-	1	1	2	3	2	1.5	1.5
C413	Professional Elective – II :Python Programming	3	3	3	2.16	-	-	-	-	2	2.16	3	3	3	2.16	3
C414	Professional Elective – III : Software Process and Project Management	-	-	3		2	-	-	2	2	2	2	2	3	3	3
C415	Professional Elective – IV :Cloud Computing	2	2	2.66	3	-	-	-	3	3	2	2	-	3	2	1.66
C416	Data Mining Lab	2	2	3	2.25	3	-	-	-	2	2.5	-	2	3	3	2.5
C417	Python Programming Lab	3	3	2	2.16	2	-	-	-	2.16	2	3	3	3	2.16	3
C418	Industry Oriented Mini Project	2	2.5	3	2.5	2	-	-	3		3	-	3	1	2	2
C419	Seminar	2	3	-	-	-	-	-	-	2.5	3	-	3	1	2	-

C421	Open Elective – III : Management Information Systems	-	-	-	-	-	2.33		1.33	2.16	2.16	2.83	1.33	3	2	2
C422	Professional Elective – V :Modern Software Engineering	1	1	1.16	1	1	-	-	-	1	1	1.33	1	1.4	1	1
C423	Professional Elective – VI :Advanced Algorithms	3	3	3	3	3	-	-	-	-	2	2	-	2.6	3	3
C424	Major Project	3	3	3	3	3	3	2	3	3	3	3	3	2	2	2

Year of Study	I	II	III	IV	Regulation
Academic Year	2017-18	2018-19	2019-20	2020-21	R16

COURSE CODE	COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C111	Mathematics-I	2.25	2.5	2.5	-	-	-	-	-	-	-	-	-	2.75	2.5	
C112	Engineering Chemistry	2.33	2.17	2.33	1			2	-	-	-	-	-	-	-	-
C113	Engineering Physics-I	3	2	2	2	-	-	-	-	-	-	-	-	2.33	3	
C114	Professional Communication in English	-	-	-	3	-	-	-	-	-	3	-	-	-	-	-
C115	Engineering Mechanics	2.8	2	-	-	-	2	-	-	-	3		2	-	-	-
C116	Basic Electrical and Electronics Engineering	2.2	2	2.5			2			2.5		2.5	2.5	-	-	-
C117	English Language Communication Skills Lab	-	-	-	-	-	-	-	-	3	3		2	-	-	-
C118	Engineering Workshop	2.8	2	-	-	-	-	2	-	-	3		2	-	-	-

C121	Engineering Physics-II	2.5	2.17	3	-	-	-	-	-	-	-	-	-	2.25	2	
C122	Mathematics-II	2.5	3	2.67	-	-	-	-	-	-	-	-	-	2.33	2.5	
C123	Mathematics-III	2.5	2.33	2.33	-	-	-	-	-	-	-	-	-	2.67	3	
C124	Computer Programming in C	2.17	2	2.17	2.2	2.4	-	-	-	-	-	-	2.33	2.2	2.5	2
C125	Engineering Graphics	2.67	2.67	-	2	-	-	-	-	-	-	-	1	-	-	-
C126	Engineering Chemistry Lab	2	2.33	-	-	-	2.33	3		3	-	-	-	-	-	-
C127	Engineering Physics Lab	2	2	2.67	2.2	3	-	-	-	-	2.5			2.3	2	
C128	Computer Programming in C Lab	1	1	1.16	1.83	1	-	-	-	-	-	-	1	2.83	2.55	2.66
C211	Mathematics – IV	1.5	2.16	1	2	1.5	-	-	-	-	-	-	-	1.66	2	3
C212	Data Structures through C++	3	3	3	3	-	-	-	-	2	-	2	2	3	3	3

C213	Mathematical Foundations of Computer Science	3	3	3	2.16	2	-	-	-	-	-	-	1.83	2	2.8	2
C214	Digital Logic Design	2.2	2	1	1.6	1.16	-	-	-	-	-	-	1	3	2	3
C215	Object Oriented Programming through Java	2	3	3	2	3	-	-	-	3	-	-	3	3	3	2
C216	Data Structures through C++ Lab	3	3	3	3	3	-	-	-	3	-	2	-	3	3	3
C217	IT Workshop	2	2	1.3	1.5	1.5	-	-	-	2	1	1	1.66	1	1.16	1.66
C218	Object Oriented Programming through Java Lab	3	3	2.16	2.16	-	-	-	-	2.16	2	2.16	2	3	2.16	3
C219	Environmental Science and Technology	-	-	2.16		3		3	2	-	-	-	2	-	-	-
C221	Computer Organization	2	2.25	3	-	-	-	-	-	-	-	-	-	2.5	2.66	
C222	Database Management Systems	3	3	3	3	3	-	-	-	2	1.83	2.5	1.5	3	3	3

C223	Operating Systems	3	2.66	2	2.5	-	-	-	-	2	-	-	3	3	2	2
C224	Formal Languages and Automata Theory	1	1	1	2.16	2	-	-	-	-	-	-	-	2	2.8	2
C225	Business Economics and Financial Analysis	-	-	-	-	-	-	-	-	2	2	2.33	2.16	-	-	-
C226	Computer Organization Lab	1	2	2.5	1	1.33	-	-	-	3	1.75	-	2	2	2.4	2
C227	Database Management Systems Lab	3	3	3	3	2	-	-	-	-	-	2	2	3	3	2
C228	Operating Systems Lab	3	3	3	3	2	-	-	-	2		2	3	3	2	2
C229	Gender sensitization Lab	-	-	-	-	-	3		2.25	-	-	-	-	-	-	-
C311	Design and Analysis of Algorithms	3	3	3	2.66	2.66	-	-	-	2	2.16	2.33	3	3	3	3
C312	Data Communication and Computer Networks	1.66	1.83	2	2	2	-	-	-	2	1.5	2	2.33	2.33	1.66	3

C313	Software Engineering	2.83	2.5	2.2	2.25	2.2	-	-	1.5	2	2.25	2.75	3	2	3	3
C314	Fundamentals of Management	-	-	-	-	-	2.66	-	2.5	2.83	1.83	3	1.83	-	-	-
C315	Open Elective –I: Disaster management	-	-	2	-	-	-	2	-	-	-	-	-	-	-	-
C316	Design and Analysis of Algorithms Lab	1.83	3	3	3	3	-	-	-	2	-	2	3	1.33	3	3
C317	Computer Networks Lab	3	2.4	2	1	2	-	-	-	-	-	-	3	2.2	2.2	2.2
C318	Software Engineering Lab	-	-	2.5	1	3	-	-	3	-	2	2	3	3	2.25	-
C319	Professional Ethics	-	-	-	-	-	-	-	1.83	-	-	-	-	-	-	-
C321	Compiler Design	2.33	2.83	2.5	2.5	-	-	-	-	2	1	1	2	3	2	1.83
C322	Web Technologies	3	3	3	3	3	-	-	-	2	2	3	2	3	3	2
C323	Cryptography and Network Security	2.83	2.66	2.83	2.83	2.33	-	-	-	-	-	-	1.83	3	3	3

C324	Open Elective-II : Environmental Impact Assessment	-	-	-	-	-	1	1.83	-	-	-	-	-	-	-	1
C325	Professional Elective-I :Mobile Computing	2	2	2	2.5	-	-	-	-	3	2	1.66	3	3	2	2
C326	Cryptography and Network Security Lab	2.66	2.33	2.33	2	3	-	-	-	-	-	-	2	2.33	2.16	2.33
C327	Web Technologies Lab	3	3	3	3	3	-	-	-	2	2	3	2	3	3	2
C328	Advanced English Communication Skills Lab	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
C411	Data Mining	3	1.5	1	1	-	-	-	-	-	-	-	2	1.83	1	1
C412	Principles of Programming Languages	1	1	-	-	-	-	-	-	1	1	2	3	2	1.5	1.5
C413	Professional Elective – II :Python Programming	3	3	3	2.16	-	-	-	-	2	2.16	3	3	3	2.16	3

C414	Professional Elective – III : Software Process and Project Management	-	-	3	-	2	-	-	2	2	2	2	2	3	3	3
C415	Professional Elective – IV :Cloud Computing	2	2	2.66	3	-	-	-	3	3	2	2	-	3	2	1.66
C416	Data Mining Lab	2	2	3	2.25	3	-	-	-	2	2.5	-	2	3	3	2.5
C417	Python Programming Lab	3	3	2	2.16	2	-	-	-	2.16	2	3	3	3	2.16	3
C418	Industry Oriented Mini Project	2	2.5	3	2.5	2	-	-	3	-	3	-	3	1	2	2
C419	Seminar	2	3	-	-	-	-	-	-	2.5	3	-	3	1	2	-
C421	Open Elective – III : Management Information Systems	-	-	-	-	-	2.33	-	1.33	2.16	2.16	2.83	1.33	3	2	2
C422	Professional Elective – V :Modern Software Engineering	1	1	1.16	1	1	-	-	-	1	1	1.33	1	1.4	1	1

C423	Professional Elective – VI :Advanced Algorithms	3	3	3	3	3	-		-	-	2	2	-	2.6	3	3
C424	Major Project	3	3	3	3	3	3	2	3	3	3	3	3	2	2	2

3.2. Attainment of course outcomes (50M)

3.2.1. Describe the assessment process used to gather the data upon which the evolution of course outcome is based (10M)

REGULATION: R13 & R15

Course assessment is done by considering direct assessment. The data is collected from the student performance in both internal and external assessments.

The following assessment process is considered by the Department Advisory Board (DAB)

Which are used for the evaluation of course outcomes.

i. Internal examination marks
ii. External examination marks
iii. Practical courses
iv. Industry oriented mini project
v. Seminar
vi. Comprehensive viva - voce
vii. Project work

i. Measuring the course attainment through **Internal examination marks** (25 marks).There are three components for evaluating the course outcomes why internal examination

a)Assignments : Work is given to students to access whether the learning outcomes are met by the students. It is evaluated twice in a semester. This component includes (5 Marks) for each mid examination.

b) **Quiz:** Conducted twice in a semester to evaluate students learning outcomes. This Component includes (10 Marks) for each mid exam.

c**) Descriptive exam :**Conducted twice in a semester to evaluate students analytical learning outcomes. This Component includes (10 Marks) for each mid exam.

ii. Measuring the course attainment through **External examination marks** (75 marks / 10 GPA) University conducts exams at the end of the course. It is valuated for 75 marks for earlier batches. According to new guidelines students are evaluated based on grade Point of 10 scale.

iii. For practical courses there shall be a continuous evaluation during a semester for 25 sessional marks and 75 end semester examination marks. Out of the 25 marks for internal evaluation, day- to- day work in the laboratory shall be evaluated for 10 marks conducted by the

laboratory teacher concerned. The end semester examination shall be conducted with an external and the laboratory teacher.

iv. There shall be an industry oriented mini project, in collaboration with an industry and their specialization, to be taken up during the vacation after III year II semester examination. However, the mini project and its report shall be evaluated along with project work in IV year II semester. The industry oriented mini project should be submitted in a report form and presented before the committee. It shall be evaluated to 50 marks. The committee consists of an external examiner, Head of the Department, supervisor of the mini project in a senior faculty member of the department, there should be no internal marks for industry oriented mini project.

v. There shall be a seminar presentation in IV year II semester. For the seminar , the student shell collect the information on a specialized topic and prepare a technical report for showing his understand of the topic, and submit it to the department. It shall be evaluated by the departmental committee consisting of head of the department, seminar supervisor and senior faculty member. The seminar report shall be evaluated for 50 marks. There shall be no external examination for the seminar.

vi. There shall be a comprehensive viva-voce in IV year II semester. The comprehensive Viva-voce will be conducted by a committee consisting of head of the department enter to senior faculty members of the department. The comprehensive viva- voce is intended to assess the student's understanding of the subjects he studied during the B.Tech. Course of study. The comprehensive Viva-Voce is evaluated for 100 marks by the committee. There are no internal marks for the comprehensive Viva-Voce.

vii. Out of a total of 200 marks for the project work, 50 marks shall be allotted for internal evaluation marks for the end semester examination (Viva-Voce). The end semester examination of the project work shall be conducted by the same committee as appointed for the industry - oriented mini - project. In addition, the project supervisor should also be included in the committee. The topics for industry oriented mini project, seminars and project work shall be different from one another. The evaluation of project work should be made at the end of the IV year. The internal evaluation shall be on the basics of to seminars given by each student on the topic of his project.

Type of Course	Internal Marks	External Marks	Total Marks	CO Attainment asper weightage
Theory	25	75	100	0.25*Internal Attainment Level + 0.75*External Attainment Level
Lab	25	50	75	0.25*Internal Attainment Level + 0.75*External Attainment Level
Seminar	50	-	50	1*Internal Attainment Level
Mini Project	-	50	50	1*External Attainment Level
Comprehensive VIVA	-	100	100	1*External Attainment Level
Project Work	50	150	200	0.25*Internal Attainment Level + 0.75*External Attainment Level

REGULATION:R16

Course assessment is done by considering direct assessment. The data is collected from the student performance in both internal and external assessments.

The following assessment process is considered by the Department Advisory Board (DAB)

which are used for the evaluation of course outcomes.

i. Internal examination marks
ii. External examination marks
iii. Practical courses
iv. Industry oriented mini project
v. Seminar
vi. Comprehensive viva - voce
vii. Project work

i. Measuring the course attainment through **Internal examination marks** (25 marks).There are three components for evaluating the course outcomes why internal examination

a) Assignments : Work is given to students to access whether the learning outcomes are met by the students. It is evaluated twice in a semester. This component includes(5 Marks) for each mid examination.

b) **Quiz:** Conducted twice in a semester to evaluate students learning outcomes. This Component includes (10 Marks) for each mid exam.

c**) Descriptive exam :**Conducted twice in a semester to evaluate students analytical learning outcomes. This Component includes (10 Marks) for each mid exam.

ii. Measuring the course attainment through **External examination marks**(75 marks / 10 GPA) University conducts exams at the end of the course. It is evaluated for 75 marks for earlier batches. According to new guidelines students are evaluated based on grade Point of 10 scale.

iii. For practical courses there shall be a continuous evaluation during a semester for 25 sessional marks and 75 end semester examination marks. Out of the 25 marks for internal evaluation, day- to- day work in the laboratory shall be evaluated for 10 marks conducted by the laboratory teacher concerned. The end semester examination shall be conducted with an external and the laboratory teacher.

iv. There shall be an industry oriented mini project, in collaboration with an industry and their specialization, to be taken up during the vacation after III year II semester examination. However, the mini project and its report shall be evaluated along with project work in IV year I semester. The industry oriented mini project should be submitted in a report form and presented before the committee. It shall be evaluated to 50 marks. The committee consists of an external examiner, Head of the Department, supervisor of the mini project in a senior faculty member of the department, there should be no internal marks for industry oriented mini project.

v. There shall be a seminar presentation in IV year I semester. For the seminar , the student shell collect the information on a specialized topic and prepare a technical report for showing his understand of the topic, and submit it to the department. It shall be evaluated by the departmental committee consisting of head of the department, seminar supervisor and senior faculty member. The seminar report shall be evaluated for 50 marks. There shall be no external

examination for the seminar.

vi. Out of a total of 100 marks for the project work, 25 marks shall be allotted for internal evaluation marks for the end semester examination (Viva-Voce). The end semester examination of the project work shall be conducted by the same committee as appointed for the industry - oriented mini - project. In addition, the project supervisor should also be included in the committee. The topics for industry oriented mini project, seminars and project work shall be different from one another. The evaluation of project work should be made at the end of the IV year. The internal evaluation shall be on the basics of to seminars given by each student on the topic of his project.

Type of Course	Internal Marks	External Marks	Total Marks	CO Attainment as per weightage
Theory	25	75	100	0.25*Internal Attainment Level + 0.75*External Attainment Level
Lab	25	75	100	0.25*Internal Attainment Level + 0.75*External Attainment Level
Seminar	50	-	50	1*Internal Attainment Level
Mini Project	-	50	50	1*External Attainment Level
Project Work	25	75	100	0.25*Internal Attainment Level + 0.75*External Attainment Level

3.2.2 Record the attainment of course outcomes of all courses with respect to set attainment levels(40)

A. Attainment Levels in case of Marks system

Attainment Level	Type of course	Internal assessment	External Assessment
3	Theory	80% students >=14 M	60% students >=26 M
	Lab	80% students >=14 M	60% students >=26 M
	Mini project	-	60% students >=30 M
	Seminar	80% students >=30 M	-

	Comprehensive Viva-Voce	–	60% students >=30 M
	Project Work	80% students >=30 M	60% students >=53 M
2	Theory	70% students >=14 M	50% students >=26 M
	Lab	70% students >=14 M	50% students >=26 M
	Mini project	-	50% students >=30 M
	Seminar	70% students >=30 M	-
	Comprehensive Viva-Voce	–	50% students >=30 M
	Project Work	70% students >=30 M	50% students >=53 M
1	Theory	60% students >=14 M	40% students >=26 M
	Lab	60% students >=14 M	40% students >=26 M
	Mini project	-	40% students >=30 M
	Seminar	60% students >=30 M	-
	Comprehensive Viva-Voce	–	40% students >=30 M
	Project Work	60% students >=30 M	40% students >=53 M
0	Theory	< 60% students >=14 M	< 40% students >= 26M
	Lab	< 60% students >=14 M	< 40% students >= 26M
	Mini project	-	< 40% students >= 30M
	Seminar	< 60% students >=30 M	-
	Comprehensive Viva-Voce	–	<40% students >=30 M
	Project Work	< 60% students >=30 M	< 40% students >= 53M

B. Attainment Levels in case of Grade Points Systems.

Attainment Level	Type of Course	Internal Assessment	External Assessment
3	Theory	80% students >=14 M	60% students >=5 GPA
	Lab	80% students >=14 M	60% students >=5 GPA
	Seminar	80% students >=56 M	-
	Mini Project	-	60% students >=5 GPA
	Project Work	80% students >=14 M	60% students >=5 GPA
2	Theory	70% students >=14 M	50% students >=5 GPA
	Lab	70% students >=14 M	50% students >=5 GPA
	Seminar	70% students >=56 M	-
	Mini Project	-	50% students >=5 GPA
	Project Work	70% students >=14 M	50% students >=5 GPA
1	Theory	60% students >=14 M	40% students >=5 GPA
	Lab	60% students >=14 M	40% students >=5 GPA
	Seminar	60% students >=56 M	-
	Mini Project	-	40% students >=5 GPA
	Project Work	60% students >=14 M	40% students >=5 GPA
0	Theory	<60% students >=14 M	<40% students >=5 GPA
	Lab	<60% students >=14 M	<40% students >=5 GPA
	Seminar	<60% students >=56 M	-
	Mini Project	-	<40% students >=5 GPA
	Project Work	<60% students >=14 M	<40% students >=5 GPA

A sample sheet is enclosed that is used for computation of Course attainments in the case of internal assessments. This is the procedure that as been adopted from the Academic Year 2020-21

KODADA INSTITUTE OF TECHNOLOGY & SCIENCE FOR WOMEN::KODAD::

Department: COMPUTER SCIENCE AND ENGINEERING

Course Outcome Attainment - Internal Assessments

Name of the faculty :	**Dr P.KARUNAKAR REDDY**
Branch & Section:	COMPUTER SCIENCE AND ENGINEERING
Course:	DATA MINING

Academic Year:	2020-21
Exam:	I MID TERM MARKS
Semester:	IV YEAR I SEM

Sl.No	Roll Number	Question No.				Objective	Assignment
		1	2	3	4		
Maximum Marks		5	5	5	5	10	5
1	17QU1A0501	3	5			8	5
2	17QU1A0502					0	5
3	17QU1A0503	5	3			8	5
4	17QU1A0505	5	3			8	5
5	17QU1A0506		3		5	8	5
6	17QU1A0507		5	4		8	5
7	17QU1A0509	4	4			8	5
8	17QU1A0510	4		5		8	5
9	17QU1A0512	5	3			8	5
10	17QU1A0513	5		5		5	5
11	17QU1A0514	4			4	7	5
12	17QU1A0515	4	4			7	5
13	17QU1A0516	4	4			7	5

Target %=		56 %	

	Question No.				Obj1	A1
	1	2	3	4		
Target score	2.8	2.8	2.8	2.8	5.6	2.8
	1	1	0	0	1	1
	0	0	0	0	0	1
	1	1	0	0	1	1
	1	1	0	0	1	1
	0	1	0	1	1	1
	0	1	1	0	1	1
	1	1	0	0	1	1
	1	0	1	0	1	1
	1	1	0	0	1	1
	1	0	1	0	0	1
	1	0	0	1	1	1
	1	1	0	0	1	1
	1	1	0	0	1	1

14	17QU1A0517	5			4	9	5	1	0	0	1	1	1
15	17QU1A0518	4		4		8	5	1	0	1	0	1	1
16	17QU1A0519					0	5	0	0	0	0	0	1
17	17QU1A0520	4			5	8	5	1	0	0	1	1	1
18	17QU1A0521	4	4			7	5	1	1	0	0	1	1
19	17QU1A0522	4	4			7	5	1	1	0	0	1	1
20	17QU1A0524		5		4	7	5	0	1	0	1	1	1
21	17QU1A0526	5	3			7	5	1	1	0	0	1	1
22	17QU1A0527					-1	-1	0	0	0	0	0	0
23	17QU1A0528	4		5		8	5	1	0	1	0	1	1
24	17QU1A0529	5	4			7	5	1	1	0	0	1	1
25	17QU1A0530		5		5	5	5	0	1	0	1	0	1
26	17QU1A0531					-1	-1	0	0	0	0	0	0
27	17QU1A0532	5	4			7	5	1	1	0	0	1	1
28	17QU1A0533	5			3	9	5	1	0	0	1	1	1
29	17QU1A0534		4		4	8	5	0	1	0	1	1	1
30	17QU1A0535		4		4	7	5	0	1	0	1	1	1
31	17QU1A0536	5			4	9	5	1	0	0	1	1	1
32	17QU1A0537	5	3			8	5	1	1	0	0	1	1
33	17QU1A0538	5			5	8	5	1	0	0	1	1	1
34	17QU1A0539	5	5			8	5	1	1	0	0	1	1
35	17QU1A0540					-1	-1	0	0	0	0	0	0
36	17QU1A0541	5			3	8	5	1	0	0	1	1	1
37	17QU1A0542	5	3			9	5	1	1	0	0	1	1
38	17QU1A0544					0	5	0	0	0	0	0	1
39	17QU1A0545	5	4			8	5	1	1	0	0	1	1
40	17QU1A0546	5	5			8	5	1	1	0	0	1	1
41	17QU1A0547	5	5			8	5	1	1	0	0	1	1

42	17QU1A0548	5	4			8	5		1	1	0	0	1	1
43	18QU5A0501	5			4	9	5		1	0	0	1	1	1
44	18QU5A0502	5	3			9	5		1	1	0	0	1	1
Total Score		118	82	23	50	241	167	Total more than target score	26	21	5	12	30	34
Total Number of students		26	21	5	12	34	34	Count	26	21	5	12	34	34
Average Score		4.5	3.9	4.6	4.2	7.1	4.9	% students greater than target	100%	100%	100%	100%	88%	100%

No. of students > target score	26	21	5	12	30	34
% of students > target score	100%	100%	100%	100%	88%	100%

Course Outcome Mapping with each Question						
Course outcome - 1	Y				Y	Y
Course outcome - 2		Y			Y	Y
Course outcome - 3			Y		Y	Y
Course outcome - 4				Y	Y	Y
Course outcome - 5						
Course outcome - 6						

Course Outcome Attainment based on Exam Questions in terms of percentage of total students when mapped to each question

Course outcome - 1	100%				88%	100%
Course outcome - 2		100%			88%	100%
Course outcome - 3			100%		88%	100%
Course outcome - 4				100%	88%	100%
Course outcome - 5						
Course outcome - 6						

Attainment for all components	Subjective	Objective	Assignment	Overall	Attainment Level	**Attainment Level**	**Overall attainment**
Course outcome - 1	100%	88%	100%	96%	**3**	1	>=60%
Course outcome - 2	100%	88%	100%	96%	**3**	2	>=70%
Course outcome - 3	100%	88%	100%	96%	**3**	3	>=80%
Course outcome - 4	100%	88%	100%	96%	**3**		
Course outcome - 5							
Course outcome - 6							

Overall Course attainment as average attainment level	**3**

isnumber	level	final level
TRUE	3	3
TRUE	3	3
TRUE	3	3
TRUE	3	3
FALSE	3	
FALSE	3	

KODADA INSTITUTE OF TECHNOLOGY & SCIENCE FOR WOMEN::KODAD::

Department: COMPUTER SCIENCE AND ENGINEERING

Course Outcome Attainment - Internal Assessments

Name of the faculty :	**Dr P.KARUNAKAR REDDY**
Branch & Section:	COMPUTER SCIENCE AND ENGINEERING
Course:	DATA MINING

Academic Year:	2020-21
Exam:	II MID TERM MARKS
Semester:	IV YEAR I SEM

Sl.No	Roll Number	Question No.				Objective	Assignment
		1	2	3	4		
Maximum Marks		5	5	5	5	10	5
1	17QU1A0501		5	4		6	5
2	17QU1A0502					-1	-1
3	17QU1A0503		4	3		5	5
4	17QU1A0505	5		3		8	5
5	17QU1A0506	5	3			5	5
6	17QU1A0507	5		4		8	5
7	17QU1A0509	5		3		8	5
8	17QU1A0510	5	4			7	5
9	17QU1A0512	4	4			7	5
10	17QU1A0513	5	4			7	5

Target %=		56 %

	Question No.				Obj2	A2
	1	2	3	4		
Target score	2.8	2.8	2.8	2.8	5.6	2.8
	0	1	1	0	1	1
	0	0	0	0	0	0
	0	1	1	0	0	1
	1	0	1	0	1	1
	1	1	0	0	0	1
	1	0	1	0	1	1
	1	0	1	0	1	1
	1	1	0	0	1	1
	1	1	0	0	1	1
	1	1	0	0	1	1

11	17QU1A0514	5	5			7	5		1	1	0	0	1	1
12	17QU1A0515		4	3		6	5		0	1	1	0	1	1
13	17QU1A0516			4	2	6	5		0	0	1	0	1	1
14	17QU1A0517		5	4		8	5		0	1	1	0	1	1
15	17QU1A0518	5	3			7	5		1	1	0	0	1	1
16	17QU1A0519	5		5		9	5		1	0	1	0	1	1
17	17QU1A0520			5	3	9	5		0	0	1	1	1	1
18	17QU1A0521		4	3		7	5		0	1	1	0	1	1
19	17QU1A0522	5		2		7	5		1	0	0	0	1	1
20	17QU1A0524	5	3			7	5		1	1	0	0	1	1
21	17QU1A0526		4	4		6	5		0	1	1	0	1	1
22	17QU1A0527					-1	-1		0	0	0	0	0	0
23	17QU1A0528		5	3		7	5		0	1	1	0	1	1
24	17QU1A0529	4	5			7	5		1	1	0	0	1	1
25	17QU1A0530	5	4			7	5		1	1	0	0	1	1
26	17QU1A0531					-1	-1		0	0	0	0	0	0
27	17QU1A0532		5	2		7	5		0	1	0	0	1	1
28	17QU1A0533	5	4			7	5		1	1	0	0	1	1
29	17QU1A0534		4	2		6	5		0	1	0	0	1	1
30	17QU1A0535	4	4			6	5		1	1	0	0	1	1
31	17QU1A0536	5	5			5	5		1	1	0	0	0	1
32	17QU1A0537		4	2		8	5		0	1	0	0	1	1
33	17QU1A0538	5	5			7	5		1	1	0	0	1	1
34	17QU1A0539	5	4			7	5		1	1	0	0	1	1
35	17QU1A0540					-1	-1		0	0	0	0	0	0
36	17QU1A0541	4	5			8	5		1	1	0	0	1	1
37	17QU1A0542					0	5		0	0	0	0	0	1
38	17QU1A0544		5	2		5	5		0	1	0	0	0	1

39	17QU1A0545		4	3		6	5		0	1	1	0	1	1
40	17QU1A0546	4		4		7	5		1	0	1	0	1	1
41	17QU1A0547	4	4			8	5		1	1	0	0	1	1
42	17QU1A0548		4	3		8	5		0	1	1	0	1	1
43	18QU5A0501		5	2		8	5		0	1	0	0	1	1
44	18QU5A0502		5	2		7	5		0	1	0	0	1	1
Total Score		96	106	56	5	218	161	Total more than target score	20	25	13	1	29	33
Total Number of students		20	25	17	2	33	33	Count	20	25	17	2	33	33
Average Score		4.8	4.2	3.3	2.5	6.6	4.9	% students greater than target	100%	100%	76 %	50 %	88 %	10 0%

No. of students > target score	20	25	13	1	29	33
% of students > target score	100%	100%	76%	50%	88%	100%

Course Outcome Mapping with each Question						
Course outcome - 1						
Course outcome - 2						
Course outcome - 3						
Course outcome - 4				Y	Y	Y
Course outcome - 5	Y	Y			Y	Y
Course outcome - 6			Y		Y	Y

Course Outcome Attainment based on Exam Questions in terms of percentage of total students when mapped to each question						
Course outcome - 1						
Course outcome - 2						
Course outcome - 3						
Course outcome - 4				50%	88%	100%
Course outcome - 5	100%	100%			88%	100%
Course outcome - 6			76%		88%	100%

Attainment for all components	Subjective	Objective	Assignment	Overall	Attainment Level	**Attainment Level**	**Overall attainment**
Course outcome - 1						1	>=60%
Course outcome - 2						2	>=70%
Course outcome - 3						3	>=80%
Course outcome - 4	50%	88%	100%	79%	**2**		
Course outcome - 5	100%	88%	100%	96%	**3**		
Course outcome - 6	76%	88%	100%	88%	**3**		

Overall Course attainment as average attainment level	**2.67**

isnumber	level	final level
FALSE	3	
FALSE	3	
FALSE	3	
TRUE	2	2
TRUE	3	3
TRUE	3	3

KODADA INSTITUTE OF TECHNOLOGY & SCIENCE FOR WOMEN::KODAD::			
Department:	**COMPUTER SCIENCE AND ENGINEERING**		
Overall Course Outcome Attainment as per University result			
Name of the faculty :	**Dr P.KARUNAKAR REDDY**	**Academic Year:**	2020-2021
Branch & Section:	COMPUTER SCIENCE & ENGINEERING	**Exam:**	University Assessment
Course:	DATA MINING	**Semester:**	IV-I

Target % 34.6%

Sl.No	REG. NO	TOTAL	Is >=Target%
		Max Marks: 75	26
1	17QU1A0501	21	0
2	17QU1A0502	2	0
3	17QU1A0503	26	1
4	17QU1A0505	24	0
5	17QU1A0506	36	1
6	17QU1A0507	33	1
7	17QU1A0509	21	0
8	17QU1A0510	34	1
9	17QU1A0512	21	0
10	17QU1A0513	44	1
11	17QU1A0514	34	1
12	17QU1A0515	19	0
13	17QU1A0516	19	0
14	17QU1A0517	33	1

15	17QU1A0518	25		0
16	17QU1A0519	15		0
17	17QU1A0520	34		1
18	17QU1A0521	20		0
19	17QU1A0522	20		0
20	17QU1A0524	25		0
21	17QU1A0526	36		1
22	17QU1A0527	-1		0
23	17QU1A0528	21		0
24	17QU1A0529	34		1
25	17QU1A0530	34		1
26	17QU1A0531	-1		0
27	17QU1A0532	35		1
28	17QU1A0533	34		1
29	17QU1A0534	36		1
30	17QU1A0535	36		1
31	17QU1A0536	34		1
32	17QU1A0537	20		0
33	17QU1A0538	42		1
34	17QU1A0539	23		0
35	17QU1A0540	-1		0
36	17QU1A0541	24		0
37	17QU1A0542	14		0
38	17QU1A0544	11		0
39	17QU1A0545	25		0
40	17QU1A0546	34		1
41	17QU1A0547	33		1
42	17QU1A0548	34		1

43	18QU5A0501	34
44	18QU5A0502	21
	SUM	1118
	AVG	25.40909091

1	
0	
SUM	21
Count	41
%	51%

isnumber	level	final level
TRUE	2	2

No. of students who scored more than the target score	21
No. of students who were successful in the subject	41
Percentage of students who scored more than target score	51%
Attainment level	**2**

Attainment Level	Percentage
1	>=40%
2	>=50%
3	>=60%

OVERALL COURSE ATTAINMENT

Course Outcomes	1st Internal Exam	2nd Internal Exam	Internal Exam	University Exam
Course outcome - 1	3		3	2
Course outcome - 2	3		3	2
Course outcome - 3	3		3	2
Course outcome - 4	3	2	2.50	2
Course outcome - 5		3	3	2
Course outcome - 6		3	3	2
		AVERAGE	2.92	2

OVERALL COURSE ATTAINMENT = 0.25*INTERNAL EXAM+0.75*UNIVERSITY EXAM

=2.23

3.2.2 (B) The attainment of Course Outcomes of all courses(40) (R13 Regulation)

YEAR:2017-2018

Year of Study	I	II	III	IV	Regulation
Academic Year	2014-15	2015-16	2016-17	2017-18	R13

COURSE CODE	COURSE	INTERNAL	EXTERNAL	Overall Attainment
C101	English	3	2	2.25
C102	Mathematics – I	3	0	0.75
C103	Mathematical Methods	3	1	1.5
C104	Engineering Physics	3	1	1.5
C105	Engineering Chemistry	3	3	3
C106	Computer Programming	3	3	3
C107	Engineering Drawing	3	1	1.5
C108	Computer Programming Lab.	3	3	3
C109	Engineering Physics / Engineering Chemistry Lab	3	3	3
C110	English Language Communication Skills Lab	3	3	3
C111	IT Workshop / Engineering Workshop	3	3	3
C211	Probability and Statistics	3	0	0.75
C212	Mathematical Foundations of Computer Science	3	2	2.25
C213	Data Structures	3	3	3
C214	Digital Logic Design	3	2	2.25
C215	Electronic Devices and Circuits	3	0	0.75
C216	Basic Electrical Engineering	3	1	1.5
C217	Electrical and Electronics Lab	3	3	3
C218	Data Structures Lab	3	3	3
C221	Computer Organization	3	2	2.25
C222	Database Management Systems	3	3	3

C223	Java Programming	3	0	0.75
C224	Environmental studies	3	2	2.25
C225	Formal Languages and Automata Theory	3	3	3
C226	Design and Analysis of Algorithms	3	1	1.5
C227	Java Programming Lab	3	3	3
C228	Database Management Systems Lab	3	3	3
C311	Principles of Programming Languages	3	2	2.25
C312	Disaster Management	3	1	1.5
C313	Software Engineering	3	3	3
C314	Compiler Design	3	2	2.25
C315	Operating Systems	3	1	1.5
C316	Computer Networks	3	3	3
C317	Operating Systems Lab	3	3	3
C318	Compiler Design Lab	3	3	3
C321	Distributed Systems	3	2	2.25
C322	Information Security	3	2	2.25
C323	Object Oriented Analysis and Design	3	1	1.5
C324	Software Testing Methodologies	3	2	2.25
C325	Managerial Economics and Financial Analysis	3	0	0.75
C326	Web Technologies	3	3	3
C327	Case Tools and Web Technologies Lab	3	3	3
C328	Advanced Communication Skills Lab	3	3	3
C411	Linux Programming	3	3	3
C412	Design Patterns	3	2	2.25
C413	Data Warehousing and Data Mining	3	3	3

C414	Cloud Computing	3	3	3
C415	Software Project Management	3	2	2.25
C416	Information Retrieval Systems	3	3	3
C417	Linux Programming Lab	3	3	3
C418	Data Warehousing and Mining Lab	3	3	3
C421	Management Science	3	3	3
C422	Semantic Web and Social Networks	3	2	2.25
C423	Embedded Systems	3	0	0.75
C424	Industry Oriented Mini Project	_	3	3
C425	Seminar	3	_	3
C426	Project Work	3	3	3
C427	Comprehensive Viva	_	3	3

Year:2018-2019

Year of Study	I	II	III	IV	Regulation
Academic Year	2015-16	2016-17	2017-18	2018-19	R15

COURSE CODE	COURSE	INTERNAL	EXTERNAL	Overall Attainment
C101	English	3	3	3
C102	Mathematics – I	3	3	3
C103	Mathematical Methods	3	3	3
C104	Engineering Physics	3	3	3
C105	Engineering Chemistry	3	3	3
C106	Computer Programming	3	3	3
C107	Engineering Drawing	3	1	1.5

C108	Computer Programming Lab.	3	3	3
C109	Engineering Physics / Engineering Chemistry Lab	3	3	3
C110	English Language Communication Skills Lab	3	3	3
C111	IT Workshop / Engineering Workshop	3	3	3
C211	Probability and Statistics	3	3	3
C212	Mathematical Foundations of Computer Science	3	2	2.25
C213	Data Structures	3	0	0.75
C214	Digital Logic Design	3	3	3
C215	Electronic Devices and Circuits	3	0	0.75
C216	Basic Electrical Engineering	3	2	2.25
C217	Electrical and Electronics Lab	3	3	3
C218	Data Structures Lab	3	3	3
C221	Computer Organization	3	2	2.25
C222	Database Management Systems	3	3	3
C223	Java Programming	3	0	0.75
C224	Environmental studies	3	0	0.75
C225	Formal Languages and Automata Theory	3	2	2.25
C226	Design and Analysis of Algorithms	3	2	2.25
C227	Java Programming Lab	3	3	3
C228	Database Management Systems Lab	3	3	3
C311	Principles of Programming Languages	3	1	1.5
C312	Disaster Management	3	3	3
C313	Software Engineering	3	0	0.75
C314	Compiler Design	3	0	0.75
C315	Operating Systems	3	3	3
C316	Computer Networks	3	0	0.75

C317	Operating Systems Lab	3	3	3
C318	Compiler Design Lab	3	3	3
C321	Distributed Systems	3	3	3
C322	Information Security	3	3	3
C323	Object Oriented Analysis and Design	3	3	3
C324	Software Testing Methodologies	3	3	3
C325	Managerial Economics and Financial Analysis	3	3	3
C326	Web Technologies	3	3	3
C327	Case Tools and Web Technologies Lab	3	3	3
C328	Advanced Communication Skills Lab	3	3	3
C411	Linux Programming	3	1	1.5
C412	Design Patterns	3	3	3
C413	Data Warehousing and Data Mining	3	3	3
C414	Cloud Computing	3	2	2.25
C415	Software Project Management	3	3	3
C416	Information Retrieval Systems	3	3	3
C417	Linux Programming Lab	3	3	3
C418	Data Warehousing and Mining Lab	3	3	3
C421	Management Science	3	2	2.25
C422	Semantic Web and Social Networks	3	0	0.75
C423	Storage Area Networks	3	3	3
C424	Industry Oriented Mini Project	_	3	3
C425	Seminar	3	_	3
C426	Project Work	3	3	3
C427	Comprehensive Viva	_	3	3

Year:2019-2020

Year of Study	I	II	III	IV	Regulation
Academic Year	2016-17	2017-18	2018-19	2019-20	R16

Course code	Course	Internal	External	Overall
C111	Mathematics-I	3	1	1.5
C112	Engineering Chemistry	3	2	2.25
C113	Engineering Physics-I	3	2	2.25
C114	Professional Communication in English	3	3	3
C115	Engineering Mechanics	3	0	0.75
C116	Basic Electrical and Electronics Engineering	3	0	0.75
C117	English Language Communication Skills Lab	3	3	3
C118	Engineering Workshop	3	3	3
C121	Engineering Physics-II	3	3	3
C122	Mathematics-II	3	1	1.5
C123	Mathematics-III	3	3	3
C124	Computer Programming in C	3	3	3
C125	Engineering Graphics	3	3	3
C126	Engineering Chemistry Lab	3	3	3
C127	Engineering Physics Lab	3	3	3
C128	Computer Programming in C Lab	3	3	3
C211	MathematicsIV	3	3	3
C212	Data	3	1	1.5

	Structures through C++			
C213	Mathematical Foundations of Computer Science	3	3	3
C214	Digital Logic Design	3	0	0.75
C215	Object Oriented Programming through Java	3	3	3
C216	Data Structures through C++ Lab	3	3	3
C217	IT Workshop	3	3	3
C218	Object Oriented Programming through Java Lab	3	3	3
C219	Environmental Science and Technology	_	3	3
C221	Computer Organization	3	2	2.25
C222	Database Management Systems	3	3	3
C223	Operating Systems	3	1	1.5
C224	Formal Languages and Automata Theory	3	3	3
C225	Business Economics and Financial Analysis	3	1	1.5
C226	Computer Organization Lab	3	3	3
C227	Database Management Systems Lab	3	3	3
C228	Operating	3	3	3

	Systems Lab			
C229	Gender sensitization Lab	-	3	3
C311	Design and Analysis of Algorithms	3	3	3
C312	Data Communication and Computer Networks	3	1	1.5
C313	Software Engineering	3	0	0.75
C314	Fundamentals of Management	3	2	2.25
C315	Open Elective –I Scripting languages	3	1	1.5
C316	Design and Analysis of Algorithms Lab	3	3	3
C317	Computer Networks Lab	3	3	3
C318	Software Engineering Lab	3	3	3
C319	Professional Ethics	-	3	3
C321	Compiler Design	3	2	2.25
C322	Web Technologies	3	3	3
C323	Cryptography and Network Security	3	3	3
C324	Open Elective-II : Remote sensing & GIS	3	3	3
C325	Professional Elective-I :Mobile Computing	3	0	0.75
C326	Cryptography and Network Security Lab	3	3	3
C327	Web	3	3	3

	Technologies Lab			
C328	Advanced English Communication Skills Lab	3	3	3
C411	Data Mining	3	1	1.5
C412	Principles of Programming Languages	3	3	3
C413	Professional Elective – II :Python Programming	3	3	3
C414	Professional Elective – III : Software Process and Project Management	3	2	2.25
C415	Professional Elective – IV :Cloud Computing	3	2	2.25
C416	Data Mining Lab	3	3	3
C417	Python Programming Lab	3	3	3
C418	Industry Oriented Mini Project	-	3	3
C419	Seminar	3	-	3
C421	Open Elective III : Management Information Systems	3	3	3
C422	Professional Elective – V :Modern Software Engineering	3	3	3
C423	Professional Elective – VI :Advanced Algorithms	3	3	3
C424	Major Project	3	3	3

Year:2020-2021

Year of Study	I	II	III	IV	Regulation
Academic Year	2017-18	2018-19	2019-20	2020-21	R16

Course code	Course	Internal	External	Overall
C111	Mathematics-I	3	3	3
C112	Engineering Chemistry	3	0	0.75
C113	Engineering Physics-I	3	3	3
C114	Professional Communication in English	3	3	3
C115	Engineering Mechanics	3	3	3
C116	Basic Electrical and Electronics Engineering	3	0	0.75
C117	English Language Communication Skills Lab	3	3	3
C118	Engineering Workshop	3	3	3
C121	Engineering Physics-II	3	3	3
C122	Mathematics-II	3	3	3
C123	Mathematics-III	3	3	3
C124	Computer Programming in C	3	1	1.5
C125	Engineering Graphics	3	3	3
C126	Engineering Chemistry Lab	3	3	3
C127	Engineering Physics Lab	3	3	3
C128	Computer Programming in C Lab	3	3	3
C211	Mathematics IV	3	0	0.75
C212	Data	3	0	0.75

	Structures through C++			
C213	Mathematical Foundations of Computer Science	3	3	3
C214	Digital Logic Design	3	0	0.75
C215	Object Oriented Programming through Java	3	2	2.25
C216	Data Structures through C++ Lab	3	3	3
C217	IT Workshop	3	3	3
C218	Object Oriented Programming through Java Lab	3	3	3
C219	Environmental Science and Technology	_	3	3
C221	Computer Organization	3	0	0.75
C222	Database Management Systems	3	1	1.5
C223	Operating Systems	3	2	2.25
C224	Formal Languages and Automata Theory	3	0	0.75
C225	Business Economics and Financial Analysis	3	2	2.25
C226	Computer Organization Lab	3	3	3
C227	Database Management Systems Lab	3	3	3
C228	Operating	3	3	3

	Systems Lab			
C229	Gender sensitization Lab	_	3	3
C311	Design and Analysis of Algorithms	3	3	3
C312	Data Communication and Computer Networks	3	0	0.75
C313	Software Engineering	3	2	2.25
C314	Fundamentals of Management	3	0	0.75
C315	Open Elective – I Disaster management	3	3	3
C316	Design and Analysis of Algorithms Lab	3	3	3
C317	Computer Networks Lab	3	3	3
C318	Software Engineering Lab	3	3	3
C319	Professional Ethics	_	3	3
C321	Compiler Design	3	3	3
C322	Web Technologies	3	3	3
C323	Cryptography and Network Security	3	3	3
C324	Open Elective-II :Environment impact assesment	3	2	2.25
C325	Professional Elective-I :Mobile Computing	3	3	3
C326	Cryptography and Network Security Lab	3	3	3
C327	Web	3	3	3

	Technologies Lab			
C328	Advanced English Communication Skills Lab	3	3	3
C411	Data Mining	3	1	1.5
C412	Principles of Programming Languages	3	0	0.75
C413	Professional Elective – II :Python Programming	3	0	0.75
C414	Professional Elective – III : Software Process and Project Management	3	3	3
C415	Professional Elective – IV :Cloud Computing	3	2	2.25
C416	Data Mining Lab	3	3	3
C417	Python Programming Lab	3	3	3
C418	Industry Oriented Mini Project	_	3	3
C419	Seminar	3	_	3
C421	Open Elective – III : Management Information Systems	3	3	3
C422	Professional Elective – V :Modern Software Engineering	3	2	2.25
C423	Professional Elective – VI :Advanced Algorithms	3	3	3
C424	Major Project	3	3	3

3.3. Attainment of Program Outcomes and Program Specific Outcomes (50)

3.3.1. Describe assessment tools and processes used for measuring the attainment of each of the Program Outcomes and program specific outcomes (10)

Assessment Process

The Assessment process for POs and PSOs involve both direct and indirect methods.(The attainment levels by direct(student performance) and indirect(surveys) are to be presented true program level course - PO& PSO matrix as indicated).

a)A listing assessment tools and processes used to gather the data upon which is the evolution of each the program outcome is based.

b) The frequency with which this assessment processes are carried out.

A. Listing and description of the tools and process used to gather data used for evaluation of each program outcome.

Direct assessment :

- University Theory and Lab Examinations :- semester end examination is a metric for assessing whether all the POs are attained or not. Examination is more focused on attainment of course outcomes and program outcomes using a descriptive examination.

- Internal Examinations:- this type of performance assessment is carried out during the examination sessions which are held twice a semester. Each and every session is focused in attending the course outcomes. Descriptive and objective test conducted for two units.

- Assignments:- each and every student is assigned with course related tasks during every Course work once or twice and assessment will be done based on their performance. Grades are assigned depending on their innovation in solving the problem.

Process for using direct assessment tools used for measuring the attainment of PO and PSO

PO attainment level calculation=(1/3)* course attainment level* correlation level(CL) of PO.

PSO attainment level calculation=(1/3)* course attainment level* correlation level(CL) of PSO.

Indirect Method

In indirect method, the attainment of POs/PSOs is calculated using:

1. Student exit survey(GES)
2.Parents feedback
3. Alumni feedback
4. Employer feedback
5. Course end survey

1.Student Exit Survey

After Completion of the Program, students are asked to give feedback on the following parameters using a 3 - Point Scale : 3 - Excellent, 2- Good, 1 - Satisfactory, And 0 - Poor.

S.No.	Parameter	Rating
1	Imparting Fundamental knowledge of Computer Science and Engineering Basics.	
2	Ability to analyse a given problem.	
3	Ability to design and develop a solution to the given problems.	
4	Ability to conduct Investigations	
5	Ability to use modern software tools	
6	Ability to use concepts of Computer Science and Engineering in providing Engineering Solutions to the problems in the society	
7	Understanding the role of CSE in Environmental Applications.	
8	Able to impart the Ethics	
9	Ability of working in team and self learning skills.	
10	Building effective Communication Skills	
11	Ability to manage a given project	
12	Attitude towards life-long learning.	

Date:
Signature of the student

Now these parameters are mapped to POs and PSOs as shown below:

POs	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO1 0	PO1 1	PO1 2
Parameters	i	ii	iii	iv	v	vi	vii	viii	ix	x	xi	xii

PSOs	PSO1	PSO2	PSO3
Parameters	i,ii,vi,xi,xii	i,ii,iii,iv,v,vi,vii,viii,ix,x,xi,xii	i,ii,iii,iv,v,vi,vii,viii,ix,x,xi,xii

Finally POs and PSOs attainment is calculated using parameter -POs mapping table and scale downed to 3.

2.Parents feedback

Once in a semester, the parents are asked to give feedback on the following parameters on a 3 - point scale.3 - Excellent, 2 - Good, 1 - Satisfactory and 0 - Poor.

P1: Self -Learning
P2: Communication Skills
P3: Confidence Levels
P4: Time Management
P5: Personality Development
P6: Team Work
P7: Social Responsibility
P8: Problem Solving Ability
P9: Ethical Behavior.

Now these parameters are mapped to POs and PSOs as shown below:

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Parameters	P8	P8	P8	P8	P8	P7	P1	P3, P9	P4, P6	P2,P3, P5	P7	P1

PSOs	PSO1	PSO2	PSO3
Parameters	P3,P8	P1,P2,P3,P4,P5,P6,P7,P8	P2,P3,P4,P5,P6,P8,P9

Finally POs and PSOs attainment is calculated using parameter -POs mapping table and scale downed to 3.

KODADA INSTITUTE OF TECHNOLOGY AND SCIENCE FOR WOMEN
Near Rangani Gudi, Ananthagiri Road ,Kodad,Suryapet (Dt) - 508206,Telangana State(India)

PARENTS FEEDBACK

Student Name: _____
Department : _____
Parent name :_____
Address and phone no: _____

Dear parent,

We are herewith interested to know the skills that your ward have a quarrel during his tenure as a student in this college. You are requested to read them in the spaces provided against each question as per following rubics.

Rating: EXCELLENT (3), GOOD (2), SATISFACTORY (1), POOR(0).

S.No.	Questionnaire	Rating
1	Self Learning	
2	Communication Skills	
3	Confidence Levels	
4	Time Management	
5	Personality Development	
6	Teamwork	
7	Social Responsibility	
8	Problem Solving Ability	
9	Ethical Behavior	

Date:
Signature of the parent

3.Alumni feedback.

Alumni students are asked to give feedback during their visit to campus on the following parameters on a 3- point scale.3- excellent, 2- good,1- satisfactory and 0- poor.

P1: Preparedness for the job.

P2: Level of comfort to work in teams/ individually

P3: Usefulness of the add- on courses such as WISE , ATL, IoT, workshops training, seminars etc,. Provided during the program.

P4: Application of the knowledge gained during the program to solve the real world problems.

P5: Ability for life- long learning and self learning.

P6: Level of convenience in the expression of ideas.

P7: Leadership skills.

Now these parameters are mapped to POs and PSOs as shown below:

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Parameters	P1	P1	P1, P3	P1, P3	P1, P3	P1 ,P2	P1, P4	P1	P2, P7	P1, P6	P2,P4, P7	P1,P3, P5

PSOs	PSO1	PSO2	PSO3
Parameters	P1,P4,P8	P1,P2,P3,P4,P5,P6	P1,P2,P3,P4,P5,P6

Finally POs and PSOs attainment is calculated using parameter -POs mapping table and scale downed to 3.

KODADA INSTITUTE OF TECHNOLOGY AND SCIENCE FOR WOMEN
Near Rangani Gudi, Ananthagiri Road ,Kodad,Suryapet (Dt) - 508206,Telangana State(India)

ALUMNI FEEDBACK

Student Name: _____
Department : _____
Year of passing : _____

Dear Alumni,

You are requested to rate them in the space provided against each question as per following rubics.

Rating: EXCELLENT (3), GOOD (2), SATISFACTORY (1), POOR(0).

S.No.	Questionnaire	Rating
1	Preparedness for the job	
2	Level of comfort ability to work in teams/ individually	
3	Usefulness of the add -on courses such as workshops, training, seminars provided during the program.	
4	Application of the knowledge gained during the program to solve the real world problems.	
5	Ability for life- long learning & self learning.	
6	Level of convenience in the expression of ideas.	
7	Leadership skills	

Date : Signature of the Alumni

4.EMPLOYER FEEDBACK

Date:

College name: Kodada institute of technology and Science for Women
Department: Computer Science & Engineering.

Dear sir/ madam,

We trust that the students selected from our campus are performing well and you are satisfied with the quality of students from our college. In order to understand and improve the student performance we would like to have your frank feedback about our student performance and areas of improvement. Please take few minutes of your valuable time to give comments on the following. Your feedback will give us the right inputs and will help us to serve you better.

You are requested to rate them in the space provided against each question as per following rubrics.

Rating: EXCELLENT (3), GOOD (2), SATISFACTORY (1), POOR(0),
(please strike- out irrelevant one)

S.No.	Questionnaire	Rating
1	Fundamentals in their field of study	
2	Analytical skills	
3	Design and developmental knowledge	
4	Solving Complex problems	
5	Knowledge of software tools	
6	Engineering thinking skills	
7	Environmental awareness	
8	Discipline and professionalism	
9	Ability to work as a team and leadership	
10	Communication and documentation skills	
11	Project management abilities	
12	Attitude towards learning new things	

Overall, KITS (W) computer Science and Engineering graduates are good candidates for employment with this company.	YES/NO
I would recommend hiring other computer Science and Engineering graduates from KITS(W)	YES/NO
Any company recruits at KITS(W) campus (If no, please tell us why)	
What additional preparation would you like future KITS(W) Computer Science and Engineering graduates to possess ? Please be as specific as possible	

Date

Place Signature with seal

Now these parameters are mapped to POs and PSOs as shown below:

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Parameters	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12

PSOs	PSO1	PSO2	PSO3
Parameters	P1,P2,P6,P11,P12	P1,P2,P3,P4,P5,P6,P7,P8,P9, P10,P11,12	P1,P2,P3,P4,P5,P6, P7,P8,P9, P10,P11,12

Finally POs and PSOs attainment is calculated using parameter -POs mapping table and scale downed to 3.

5.Course end survey:

After Completion of the course, students are asked to give feedback on the course using a 3 - Point Scale :
3 - Excellent, 2- Good, 1 - Satisfactory, And 0 - Poor.

KITS

KODADA INSTITUTE OF TECHNOLOGY & SCIENCE FOR WOMEN

(New Delhi & Approved by AICTE, New Delhi & Affiliated to JNTU, Hyderabad)

Near Rangani gudi,ananthagiri Road, KODAD,SURYAPET(DT), T.S, INDIA-508206

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Course End Survey

C221 – Computer Organization		
CO#	Questionnaire on Course Outcome Confidence Levels: 3-Highl ; 2- Medium; 1- Low ;0-Very Low	Your Level
C221.1	Understand the basic components and the design of CPU, ALU and Control Unit	
C221.2	Analyze the concepts of RTL,micro operations and micro programmed control.	
C221.3	Basic understanding of 8085 and 8086 microprocessors architectures and its functionalities.	
C221.4	Understand the instruction set, instruction formats and addressing modes of 8086.	
C221.5	Write assembly language programs to solve problems.	
C221.6	Understand the advantage of instruction level parallelism and pipelining for high performance Processor design.	
	AVERAGE	

KiTS

KODADA INSTITUTE OF TECHNOLOGY & SCIENCE FOR WOMEN
(New Delhi & Approved by AICTE, New Delhi & Affiliated to JNTU, Hyderabad)
Near Rangani gudi, Ananthagiri Road,KODADA, SURYAPET (DT). T.S. INDIA -508206

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Student Exit Feedback

Dear Students,

Kodada Institute of Technology and Science For Women since its inception in 2008, Department of Computer Science and Engineering has tried to pursue excellence in every aspect, it touches whether academics, infrastructural or environmental. We have prepared a questionnaire for you to give us feedback about our program to know whether it has succeeded in impar4ting the following skills in the Questionnaire to you.

Student information

Student Name : M. Anusha
Roll No : 16QU1A0502
Year of Passing : 2020

Questionnaire

You are requested to rate them in the space provided against each question as per following rubrics.
Rating:EXCELLENT(3),GOOD(2),SATISFACTORY(1),POOR(0)

S.No	Questionnaire	Rating
1	Imparting Fundamental knowledge of Computer Science and Engineering basics	3
2	Ability to analyze a given problem	3
3	Ability to Conduct investigations	2
4	Ability to analyze a given problem	3
5	Ability to use modern software tools	3
6	Ability to use concepts of Computer Science and Engineering in providing engineering solutions to problemin the society	3
7	Understanding the role of CSE in environmental applications	3
8	Ability to import the ethics	3
9	Ability working in team and self-learning skills	3
10	Building effective communication skills	3
11	Ability to manage a given project	3
12	Attitude towards life-long learning	3

Date: 25/9/2020

M. Anusha
Signature of the Student

KiTS

KODADA INSTITUTE OF TECHNOLOGY & SCIENCE FOR WOMEN

(New Delhi & Approved by AICTE, New Delhi & Affiliated to JNTU, Hyderabad)

Near Rangani gudi, Ananthagiri Road, KODADA, SURYAPET (DT). T.S. INDIA -508206

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PARENTS FEEDBACK

Student Name: Hima Bindu

Department : CSE

Parent Name: Srinivasulu

Address and Phone No: Nidamluru , 7HH0137213

Dear Parent,

We are herewith interested to know the skills that your wards have acquired during his tenure as a student in this college. You are requested to rate them in the space provided against each question as per following rubrics.

Rating: EXCELLENT (3), GOOD (2), SATISFACTORY (1), POOR (0)

S.No	Questionnaire	Rating
1	Self-Learning.	3
2	Communication Skills.	3
3	Confidence Levels.	3
4	Time Management.	2
5	Personality Development.	3
6	Team work.	3
7	Social responsibility.	2
8	Problem Solving Ability	3
9	Ethical Behavior.	3

Date: 2/3/2020

Srinivasulu

Signature of the Parent

KiTS

KODADA INSTITUTE OF TECHNOLOGY & SCIENCE FOR WOMEN

(New Delhi & Approved by AICTE, New Delhi & Affiliated to JNTU, Hyderabad)

Near Rangani gudi, Ananthagiri Road, KODADA, SURYAPET (DT). T.S. INDIA -508206

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ALUMNI FEEDBACK

Student Name: Sk. Reshma

Department : CSE

Year of Passing: 2016

Dear Alumni,

You are requested to rate them in the space provided against each question as per following rubrics.

Rating: EXCELLENT(3),GOOD(2),SATISFACTORY(1),POOR(0)

S.No	Questionnaire	Rating
1	Preparedness for the job	2
2	Level of comfort ability to work in teams/individually	3
3	Usefulness of the add-on courses such asworkshops,training, and seminars provided during the program.	3
4	Applications of knowledge gained during the program to world problems.	3
5	Ability for Life-long learning & Self-learning	3
6	Level of convenience in the expression of ideas.	2
7	Leadership Skills	3

Date: 22/2/2019

Signature of the Student Reshma. sk

KITS

KODADA INSTITUTE OF TECHNOLOGY & SCIENCE FOR WOMEN

(New Delhi & Approved by AICTE, New Delhi & Affiliated to JNTU, Hyderabad)

Near Ranganigudi,ananthagiri Road, KODAD,SURYAPET(DT), T.S, INDIA-508206

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Course End Survey IV B.Tech -I sem

16QU1A05O2 M. Anucha

C411 - Data Mining		
CO#	Questionnaire on Course Outcome Confidence Levels: 3-Highl ; 2- Medium; 1- Low ;0-Very Low	Your Level
C411.1	Understand the need of the data mining in addition to database management systems.	3
C411.2	Convert raw data to standard format using pre - processing techniques.	3
C411.3	Study and identify the association rules by mining frequent patterns from large data sets.	3
C411.4	Compare and contrast different classification algorithms for mining the data.	3
C411.5	Make a group of abstract objects into classes of similar objects using clustering algorithms.	3
C411.6	Ability to classify web pages, extracting knowledge from the web.	3
	AVERAGE	3

M. Anu

3.3.2. Provide results of evaluation of each PO & PSO (40)

PO ATTAINMENT

Year:2017-2018

Year of Study	**I**	**II**	**III**	**IV**	**Regulation**
Academic Year	**2014-15**	**2015-16**	**2016-17**	**2017-18**	**R13**

COURSE CODE	COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C101	English	-	-	-	2.25	-	-	-	-	-	2.25	-	-	-	-	-
C102	Mathematics – I	0.562	0.625	0.625	-	-	-	-	-	-	-	-	-	0.687	0.625	
C103	Mathematical Methods	1.25	0.915	0.165	0.835	0.835				0.165	0.665	0.415	0.085	1	1.4	1
C104	Engineering Physics	1.5	1	1	1	-	-	-	-	-	-	-	-	1.165	1.5	

C105	Engineering Chemistry	2.33	2.17	2.33	1	-	-	2	-	-	-	-	-	-	-	-
C106	Computer Programming	2.17	2	2.17	2.2	2.4	3	-	-	2.5	2.5	2	2.33	2.2	2.5	2
C107	Engineering Drawing	1.2	1.165			1.5	1.5		1.165		1.25	-	1	-	-	-
C108	Computer Programming Lab.	2.5	2.2	2.5	2.33	2.2	2.5	-	-	-	-	-	2.5	2	2.25	2.25
C109	Engineering Physics / Engineering Chemistry Lab	1.5	1.33	1.16	1.5	0.83	1	0.66	-	0.5	1.16	-	1.16	1	-	-
C110	English Language Communication Skills Lab	-	-	-	-	-	-	-	-	3	3	-	2	-	-	-
C111	IT Workshop / Engineering Workshop	2.8	2	-	-	-	-	2	-	-	3	-	2	2.5	2	-
C211	Probability and Statistics	0.667	0.625	0.582	-	-	-	-	-	-	-	-	0.625	-	-	0.5

C212	Mathematical Foundations of Computer Science	2.25	2.25	2.25	1.62	1.5	-	-	-	-	-	-	1.372	1.5	2.1	1.5
C213	Data Structures	3	3	3	3	-	-	-	2	2		2	2	3	3	3
C214	Digital Logic Design	1.65	1.5	0.75	1.2	0.87	-	-	-	-	-	-	0.75	2.25	1.5	2.25
C215	Electronic Devices and Circuits	0.707	0.625	0.55	0.562	0.55	-	-	-	-	-	-	-	0.625	0.667	0.707
C216	Basic Electrical Engineering	1.1	1	1.25	-	-	1	-	-	1.25	-	1.25	1.25	-	-	-
C217	Electrical and Electronics Lab	3	2.67	2.5	2	-	-	-	-	2	-	-	2	-	-	-
C218	Data Structures Lab	3	3	3	3	3	-	2	2	3	-	2	2	3	3	3
C221	Computer Organization	1.5	0.75	1	-	-	-	-	-	-	-	-	-	0.833	0.89	-
C222	Database Management Systems	3	3	3	3	3	-	-	-	2	1.83	2.5	1.5	3	3	3

C223	Java Programming	0.5	0.75	0.75	0.5	0.75	-	0.5	-	0.75	0.75	0.5	0.75	0.75	0.75	0.5
C224	Environmental studies	-	-	1.627	-	2.25	-	2.25	1.5	-	-	-	1.5		1.5	
C225	Formal Languages and Automata Theory	1	1	1	2.16	-	-	-	-	-	-	-	-	2	2.8	2
C226	Design and Analysis of Algorithms	1.5	1.5	1.5	1.335	1.5	-	-	-	1	1.085	1.085	1.5	1.5	1.5	1.5
C227	Java Programming Lab	3	3	2.17	2.17	-	-	-	-	2.17	2	2.17	2	3	2.17	3
C228	Database Management Systems Lab	3	3	3	3	2	-	-	2	-	-	2	2	3	3	2
C311	Principles of Programming Languages	0.75	0.75	-	-	-	-	-	-	0.75	0.75	1.5	2.25	1.5	1.125	1.125
C312	Disaster Management	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-
C313	Software Engineering	2.8	2.5	2.6	2.25	2.2	-	-	1.5	2	2.25	2.75	3	2	3	3

C314	Compiler Design	1.747	1.71	1.875	1.747	-	-	-	-	1.5	0.75	0.75	1.5	2.25	1.5	1.372
C315	Operating Systems	1.5	1.33	1	1.25	-	-	-	-	1	-	-	1.5	1.5	1	1
C316	Computer Networks	1.16	2	2.5	1	1.66	-	-	-	2	1.5	1.5	1.83	1.66	2.33	1.83
C317	Operating Systems Lab	3	3	3	3	2	-	-	-	2	-	2	3	3	2	2
C318	Compiler Design Lab	2.33	2.83	3	2.33	2	-	-	-	2	-	2.16	2	3	2.16	2.16
C321	Distributed Systems	1.372	2.062	2.25	-	-	-	-	-	2.25	1.5	-	-	1.5	1.5	2.25
C322	Information Security	1.62	1.62	1.5	0.997	-	-	-	-	-	-	1.5	1.5	1.5	1.5	1.5
C323	Object Oriented Analysis and Design	1	1.5	1.5	1.5	1.5	-	-	-	1	1	1.5	1	0.415	1.5	0.415
C324	Software Testing Methodologies	1.5	1.5	1.875	1.5	-	-	-	1.5	2.25	1.5	2.25	0.75	1.5	2.25	1.5
C325	Managerial Economics and Financial Analysis	-	-	-	-	-	-	-	-	0.999	0.999	1.399	1.499	-	-	-

C326	Web Technologies	3	3	3	3	3	-	-	-	2	2	3	2	3	3	2
C327	Case Tools and Web Technologies Lab	2.33	2	2.33	2	3	-	-	-	3	2	2.33	2	2	3	3
C328	Advanced Communication Skills Lab	-	-	-	-	-	2	3	2	2	3	-	-	1.66	2.16	3
C411	Linux Programming	2.16	-	-	2	2.3	-	-	-	-	-	-	2	2	3	2
C412	Design Patterns	1.245	1.5	2.25	1.5	-	-	-	-	2.25	1.875	0.75	0.75	1.5	1.5	1.5
C413	Data Warehousing and Data Mining	2.5	2.83	-	3	3	-	-	-	2	2	3	1.83	3	3	3
C414	Cloud Computing	2	2	2.66	3	-	-	-	3	3	2	2	-	3	2	1.66
C415	Software Project Management	1.875	1.995	1.875	1.125	1.5	-	-	1.125	1.62	1.875	1.995	1.5	1.62	1.875	2.122
C416	Information Retrieval Systems	2.5	2.5	1.83	1.83	2	-	-	-	-	3	1.8	-	2	2.66	3

C417	Linux Programming Lab	2	2	2	-	2	-	-	-	-	-	2	2	2	2	1.66
C418	Data Warehousing and Mining Lab	2	2	3	2.25	3	-	-	-	2	2.5	-	2	3	3	2.5
C421	Management Science	-	-	-	-	-	-	-	-	2.33	-	3	-	1.66	-	-
C422	Semantic Web and Social Networks	2.25	2.25	2.25	-	-	2.25	-	-	-	-	1.747	1.875	1.5	2.25	0.75
C423	Embedded Systems	0.625	0.582	0.582	0.625	0.417	-	-	-	-	0.437	0.5	0.457	0.542	0.582	-
C424	Industry Oriented Mini Project	2	2.5	3	2.5	2	-	-	3	-	3	-	3	1	2	2
C425	Seminar	2	3	-	-	-	-	-	-	2.5	3	-	3	1	2	
C426	Project Work	3	3	3	3	3	3	2	3	3	3	3	3	2	2	2
C427	Comprehensive Viva	3	3	3	-	-	-	-	2	3	3	-	3	2	-	-
Direct Attainment		1.921	1.921	1.931	1.902	1.925	1.641	1.605	1.906	1.873	1.871	1.805	1.713	1.861	2.001	1.914

Indirect Attainment	3	3	3	3	3	0.73	2.12	2.25	2.83	3	2.89	2.7	3	2.7	3
PO Attainment	2.13	2.13	2.16	2.12	2.14	1.73	1.76	1.98	2.09	2.10	2.04	1.93	2.08	2.14	2.13

Table B.3.3.2

Year:2018-2019

Year of Study	I	II	III	IV	Regulation
Academic Year	2015-16	2016-17	2017-18	2018-19	R15

COURSECODE	COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C101	English	-	-	-	3	-	-	-	-	-	3	-	-	-	-	-
C102	Mathematics – I	2.25	2.5	2.5	-	-	-	-	-	-	-	-	-	2.75	2.5	
C103	Mathematical Methods	2.5	1.83	0.33	1.67	1.67	-	-	-	0.33	1.33	0.83	0.17	2	2.8	2
C104	Engineering Physics	3	2	2	2	-	-	-	-	-	-	-	-	2.33	3	-
C105	Engineering Chemistry	2.33	2.17	2.33	1	-	-	2	-	-	-	-	-	-	-	-
C106	Computer Programming	2.17	2	2.17	2.2	2.4	3	-	-	2.5	2.5	2	2.33	2.2	2.5	2
C107	Engineering Drawing	2.4	2.33	-	-	3	3	-	2.33	-	2.5	-	2	-	-	-

C108	Computer Programming Lab.	2.5	2.2	2.5	2.33	2.2	2.5	-	-	-	-	-	2.5	2	2.25	2.25
C109	Engineering Physics / Engineering Chemistry Lab	1.5	1.33	1.16	1.5	0.83	1	0.66	-	0.5	1.16	-	1.16	1	-	-
C110	English Language Communication Skills Lab	-	-	-	-	-	-	-	-	3	3	-	2	-	-	-
C111	IT Workshop / Engineering Workshop	2.8	2	-	-	-	-	2	-	-	3	-	2	2.5	2	-
C211	Probability and Statistics	2.67	2.5	2.33	-	-	-	-	-	-	-	-	2.5	-	-	2
C212	Mathematical Foundations of Computer Science	2.25	2.25	2.25	1.62	1.5	-	-	-	-	-	-	1.372	1.5	2.1	1.5
C213	Data Structures	0.75	0.75	0.75	0.75	-	-	-	0.5	0.5	-	0.5	0.5	0.75	0.75	0.75
C214	Digital Logic Design	2.2	2	1	1.6	1.16	-	-	-	-	-	-	1	3	2	3

C215	Electronic Devices and Circuits	0.707	0.625	0.55	0.562	0.55	-	-	-	-	-	-	-	0.625	0.667	0.707
C216	Basic Electrical Engineering	1.65	1.5	1.875	-	-	1.5	-	-	1.875	1.5	1.875	1.875	-	-	-
C217	Electrical and Electronics Lab	3	2.67	2.5	2	-	-	-	-	-	-	-	2	-	-	-
C218	Data Structures Lab	3	3	3	3	3		2	2	3		2	2	3	3	3
C221	Computer Organization	1.5	1.687	2.25	-	-	-	-	-	-	-	-	-	1.875	2.002	-
C222	Database Management Systems	3	3	3	3	3	-	-	-	2	1.83	2.5	1.5	3	3	3
C223	Java Programming	0.5	0.75	0.75	0.5	0.75	-	0.5	-	0.75	0.75	0.5	0.75	0.75	0.75	0.5
C224	Environmental studies	-	-	0.542	-	0.75	-	0.75	0.5	-	-	-	0.5	-	0.5	-
C225	Formal Languages and Automata Theory	0.74	0.74	0.74	1.61	1.49	-	-	-	-	-	-	-	1.49	2.08	1.49

C226	Design and Analysis of Algorithms	2.25	2.25	2.25	2.002	2.25	-	-	-	1.5	1.627	1.627	2.25	2.25	2.25	2.25
C227	Java Programming Lab	3	3	2.17	2.17	-	-	-	-	2.17	2	2.17	2	3	2.17	3
C228	Database Management Systems Lab	3	3	3	3	2	-	-	2	-	-	2	2	3	3	2
C311	Principles of Programming Languages	0.5	0.5	-	-	-	-	-	-	0.5	0.5	1	1.5	1	0.75	0.75
C312	Disaster Management	-	-	2	-	-	-	2	-	-	-	-	-	-	-	-
C313	Software Engineering	0.7	0.625	0.55	0.562	0.55	-	-	0.375	0.5	0.562	0.687	0.75	0.5	0.75	0.75
C314	Compiler Design	0.582	0.57	0.625	0.582	-	-	-	-	0.5	0.25	0.25	0.5	0.75	0.5	0.457
C315	Operating Systems	3	2.6	2	2.5	-	-	-	-	2	-	-	3	3	2	2
C316	Computer Networks	0.29	0.5	0.625	0.25	0.415	-	-	-	0.5	0.375	0.375	0.457	0.415	0.582	0.457
C317	Operating Systems Lab	3	3	3	3	2	-	-	-	2	-	2	3	3	2	2

C318	Compiler Design Lab	2.33	2.83	3	2.33	2	-	-	-	2	-	2.16	2	3	2.16	2.16
C321	Distributed Systems	1.83	2.75	3	-	-	-	-	-	3	2	-	-	2	2	3
C322	Information Security	2.16	2.16	2	1.33	-	-	-	-	-	-	2	2	2	2	2
C323	Object Oriented Analysis and Design	2	3	3	3	3	-	-	-	2	2	3	2	1	3	1
C324	Software Testing Methodologies	2	2	2.5	2	-	-	-	2	3	2	3	1	2	3	2
C325	Managerial Economics and Financial Analysis	-	-	-	-	-	-	-	-	2	2	2.8	3	-	-	-
C326	Web Technologies	3	3	3	3	3	-	-	-	2	2	3	2	3	3	2
C327	Case Tools and Web Technologies Lab	2.33	2	2.33	2	3	-	-	-	3	2	2.33	2	2	3	3
C328	Advanced Communication Skills Lab	-	-	-	-	-	2	3	2	2	3	-	-	1.66	2.16	3

C411	Linux Programming	1.08	-	-	1	1.15	-	-	-	-	-	-	1	1	1.5	1
C412	Design Patterns	1.66	2	3	2	-	-	-	-	3	2.5	1	1	2	2	2
C413	Data Warehousing and Data Mining	2.5	2.83	-	3	3	-	-	-	2	2	3	1.83	3	3	3
C414	Cloud Computing	1.5	1.5	1.995	2.25	-	-	-	2.25	2.25	1.5	1.5	-	2.25	1.5	1.245
C415	Software Project Management	2.5	2.66	2.5	1.5	2	-	-	1.5	2.16	2.5	2.66	2	2.16	2.5	2.83
C416	Information Retrieval Systems	2.5	2.5	1.83	1.83	2	-	-	-	-	3	1.8	-	2	2.66	3
C417	Linux Programming Lab	2	2	2	-	2	-	-	-	-	-	2	2	2	2	1.66
C418	Data Warehousing and Mining Lab	2	2	3	2.25	3	-	-	-	2	2.5	-	2	3	3	2.5
C421	Management Science	-	-	-	-	-	-	-	-	2.33	2.5	3	3	1.66	-	-
C422	Semantic Web and Social Networks	0.75	0.75	0.75	-	-	0.75	-	-	-	-	0.582	0.625	0.5	0.75	0.25

C423	Storage area networks	-	2.3	3	2	2	-	2.5	-	-	2	2	2.6	2.5	2.83	3
C424	Industry Oriented Mini Project	2	2.5	3	2.5	2	-	-	3	-	3	-	3	1	2	2
C425	Seminar	2	3	-	-	-	-	-	-	2.5	3	-	3	1	2	-
C426	Project Work	3	3	3	3	3	3	2	3	3	3	3	3	2	2	2
C427	Comprehensive Viva	3	3	3	-	-	-	-	2	3	3	-	3	2	-	-
Direct Attainment		2.024	2.061	2.023	1.899	1.914	1.703	1.555	1.76	1.885	2.012	1.828	1.786	1.894	2.003	1.878
Indirect Attainment		2.8	2.8	2.8	3	2.9	1.37	2.36	3	2.83	1.92	2.93	2.83	3	3	3
PO Attainment		2.18	2.20	2.17	2.11	2.11	1.84	1.78	2.00	2.10	2.01	2.06	2.02	2.11	2.20	2.10

Table B.3.3.2-1

Year:2019-2020

Year of Study	I	II	III	IV	Regulation
Academic Year	2016-17	2017-18	2018-19	2019-20	R16

COURSE CODE	COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C111	Mathematics-I	1.125	1.25	1.25	-	-	-	-	-	-	-	-	-	1.375	1.25	-
C112	Engineering Chemistry	1.747	1.627	1.747	0.75	-	-	1.5	-	-	-	-	-	-	-	-
C113	Engineering Physics-I	2.25	1.5	1.5	1.5	-	-	-	-	-	-	-	-	1.747	2.25	-
C114	Professional Communication in English	-	-	-	3	-	-	-	-	-	3	-	-	-	-	-
C115	Engineering Mechanics	0.7	0.5	-	-	-	0.5	-	-	-	0.75	-	0.5	-	-	-
C116	Basic Electrical and Electronics Engineering	0.55	0.5	0.625	-	-	0.5	-	-	0.625	-	0.625	0.625	-	-	-
C117	English Language Communication Skills Lab	-	-	-	-	-	-	-	-	3	3	-	2	-	-	-
C118	Engineering	2.8	2	-	-	-	-	2	-	-	3	-	2	-	-	-

	Workshop															
C121	Engineering Physics-II	2.5	2.17	3	-	-	-	-	-	-	-	-	-	2.25	2	-
C122	Mathematics-II	1.25	1.5	1.335	-	-	-	-	-	-	-	-	-	1.165	1.25	-
C123	Mathematics-III	2.5	2.33	2.33	-	-	-	-	-	-	-	-	-	2.67	3	-
C124	Computer Programming in C	2.17	2	2.17	2.2	2.4	-	-	-	-	-	-	2.33	2.2	2.5	2
C125	Engineering Graphics	2.67	2.67	-	2	-	-	-	-	-	-	-	1	-	-	-
C126	Engineering Chemistry Lab	2	2.33	-	-	-	-	-	-	-	-	-	-	-	-	-
C127	Engineering Physics Lab	2	2	2.67	2.2	3	-	-	-	-	2.5	-	-	2.3	2	-
C128	Computer Programming in CLab	1	1	1.16	1.83	1	-	-	-	-	-	-	1	2.83	2.5	2.66
C211	Mathematics – IV	1.5	2.16	1	2	1.5	-	-	-	-	-	-	-	1.6	2	3
C212	Data Structures through C++	1.5	1.5	1.5	1.5	-	-	-	-	1	-	1	1	1.5	1.5	1.5
C213	Mathematical Foundations of Computer Science	3	3	3	2.16	2	-	-	-	-	-	-	1.83	2	2.8	2

C214	Digital Logic Design	0.55	0.5	0.25	0.4	0.29	-	-	-	-	-	-	0.25	0.75	0.5	0.75
C215	Object Oriented Programming through Java	2	3	3	2	3	-	-	-	3	-	-	3	3	3	2
C216	Data Structures through C++ Lab	3	3	3	3	3	-	-	-	3	-	2	-	3	3	3
C217	IT Workshop	2	2	1.3	1.5	1.5	-	-	-	2	1	1	1.67	1	1.6	1.67
C218	Object Oriented Programming through Java Lab	3	3	2.16	2.16	-	-	-	-	2.16	2	2.16	2	3	2.16	3
C219	Environmental Science and Technology	-	-	2.16	-	3	-	3	2	-	-	-	2	-	-	-
C221	Computer Organization	1.5	1.687	2.25	-	-	-	-	-	-	-	-	-	1.875	1.995	-
C222	Database Management Systems	3	3	3	3	3	-	-	-	2	1.83	2.5	1.5	3	3	3
C223	Operating Systems	1.5	1.335	1	1.25	-	-	-	-	1	-	-	1.5	1.5	1	1

C224	Formal Languages and Automata Theory	1	1	1	2.16	2	-	-	-	-	-	-	-	2	2.8	2
C225	Business Economics and Financial Analysis	-	-	-	-	-	-	-	-	1	1	1.165	1.08	-	-	-
C226	Computer Organization Lab	1	2	2.5	1	1.33	-	-	-	3	1.75	-	2	2	2.4	2
C227	Database Management Systems Lab	3	3	3	3	2	-	-	-	-	-	2	2	3	3	2
C228	Operating Systems Lab	3	3	3	3	2	-	-	-	2	-	2	3	3	2	2
C229	Gender sensitization Lab	-	-	-	-	-	3		2.25	-	-	-	-	-	-	-
C311	Design and Analysis of Algorithms	3	3	3	2.66	2.66	-	-	-	2	2.16	2.33	3	3	3	3
C312	Data Communication and Computer Networks	0.835	0.915	1	1	1	-	-	-	1	0.75	1	1.165	1.165	0.835	1.5
C313	Software Engineering	0.707	0.625	0.55	0.56	0.55	-	-	0.375	0.5	0.562	0.687	0.75	0.5	0.75	0.75

C314	Fundamentals of Management	-	-	-	-	-	1.995		1.875	2.122	1.372	2.25	1.372	-	-	-
C315	Open Elective –I Scripting languages	0.75	1	0.5	0.5	1.5	-	-	-	-	-	-	-	1.2	1.375	1.5
C316	Design and Analysis of Algorithms Lab	1.83	3	3	3	3	-	-	-	2	-	2	3	1.33	3	3
C317	Computer Networks Lab	3	2.4	2	1	2	-	-	-	-	-	-	3	2.2	2.2	2.2
C318	Software Engineering Lab	-	-	2.5	1	3	-	-	3		2	2	3	3	2.25	-
C319	Professional Ethics	-	-	-	-	-	-	-	1.833	-	-	-	-	-	-	-
C321	Compiler Design	1.747	2.122	1.875	1.875	-	-	-	-	1.5	0.75	0.75	1.5	2.25	1.5	1.372
C322	Web Technologies	3	3	3	3	3	-	-	-	2	2	3	2	3	3	2
C323	Cryptography and Network Security	2.83	2.66	2.83	2.83	2.33	-	-	-	-	-	-	1.83	3	3	3
C324	Open Elective-II : Remote	3	2.66	2.4	2.2	2.8	-	-	-	-	1.5	2.8	3	2.3	2.16	2.3

	sensing & GIS															
C325	Professional Elective-I :Mobile Computing	0.5	0.5	0.5	0.625	-	-	-	-	0.75	0.5	0.417	0.75	0.75	0.5	0.5
C326	Cryptography and Network Security Lab	2.66	2.33	2.33	2	3	-	-	-	-	-	-	2	2.33	2.16	2.33
C327	Web Technologies Lab	3	3	3	3	3	-	-	-	2	2	3	2	3	3	2
C328	Advanced English Communication Skills Lab	-	-	-	-	-	-	-	-	3	3	-	-	-	-	-
C411	Data Mining	1.5	0.75	0.5	0.5	-	-	-	-	-	-	-	1	0.915	0.5	0.5
C412	Principles of Programming Languages	1	1	-	-	-	-	-	-	1	1	2	3	2	1.5	1.5
C413	Professional Elective – II :Python Programming	3	3	3	2.16	-	-	-	-	2	2.16	3	3	3	2.16	3
C414	Professional Elective – III : Software Process and	-	-	2.25	-	1.5	-	-	-	-	1.5	1.5	1.5	2.25	2.25	2.25

	Project Management															
C415	Professional Elective – IV :Cloud Computing	1.5	1.5	1.995	2.25		-	-	2.25	2.25	1.5	1.5	-	2.25	1.5	1.245
C416	Data Mining Lab	2	2	3	2.25	3	-	-	-	2	2.5	-	2	3	3	2.5
C417	Python Programming Lab	3	3	2	2.16	2	-	-	-	2.16	2	3	3	3	2.16	3
C418	Industry Oriented Mini Project	2	2.5	3	2.5	2	-	-	3	-	3	-	3	1	2	2
C419	Seminar	1.98	2.97	-	-	-	-	-	-	2.48	2.97	-	2.97	0.99	1.98	-
C421	Open Elective – III : Management Information Systems	-	-	-	-	-	2.33	-	1.33	2.16	2.16	2.83	1.33	3	2	2
C422	Professional Elective – V :Modern Software Engineering	1	1	1.16	1	1	-	-	-	1	1	1.33	1	1.4	1	1

C423	Professional Elective – VI :Advanced Algorithms	3	3	3	3	3	-	-	-	-	2	2	-	2.6	3	3
C424	Major Project	3	3	3	3	3	3	2	3	3	3	3	3	2	2	2
Direct Attainment		2.00	2.03	2.06	2.01	2.13	1.78	1.94	2.09	1.79	1.86	1.83	1.91	2.04	2.02	1.98
Indirect Attainment		3	3	3	2.8	2.5	3	3	2.6	3	3	3	2.9	3	3	3
PO Attainment		2.20	2.22	2.25	2.17	2.20	2.02	2.15	2.19	2.03	2.09	2.06	2.11	2.23	2.22	2.18

Table B.3.3.2-2

Year:2020-2021

Year of Study	I	II	III	IV	Regulation
Academic Year	2017-18	2018-19	2019-20	2020-21	R16

COURSE CODE	COURSE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C111	Mathematics -I	2.25	2.50	2.50	-	-	-	-	-	-	-	-	-	2.75	2.50	-
C112	Engineering Chemistry	0.58	0.54	0.58	0.25	-	-	0.50	-	-	-	-	-	-	-	-
C113	Engineering Physics-I	3.00	2.00	2.00	2.00									2.33	3.00	
C114	Professional Communication in English	-	-	-	3.00	-	-	-	-	-	3.00	-	-	-	-	-
C115	Engineering Mechanics	2.80	2.00	-	-	-	2.00	-	-	-	3.00	-	2.00	-	-	-

C116	Basic Electrical and Electronics Engineering	0.55	0.50	0.62	-	-	0.50	-	-	0.62	-	0.62	0.62	-	-	-
C117	English Language Communication Skills Lab	-	-	-	-	-	-	-	-	3.00	3.00	-	2.00	-	-	-
C118	Engineering Workshop	2.80	2.00	-	-	-	-	2.00	-	-	3.00	-	2.00	-	-	-
C121	Engineering Physics-II	2.50	2.17	3.00	-	-	-	-	-	-	-	-	-	2.25	2.00	-
C122	Mathematics -II	0.83	1.00	0.89	-	-	-	-	-	-	-	-	-	0.78	0.83	-
C123	Mathematics -III	2.50	2.33	2.33	-	-	-	-	-	-	-	-	-	2.67	3.00	-
C124	Computer Programming in C	1.08	1.00	1.08	1.10	1.20	-	-	-	-	-	-	1.16	1.10	1.25	1.00
C125	Engineering Graphics	2.67	2.67	-	2.00	-	-	-	-	-	-	-	1.00	-	-	-
C126	Engineering Chemistry Lab	2.00	2.33	-	-	-	2.33	3.00	-	3.00	-	-	-	-	-	-

C127	Engineering Physics Lab	2.00	2.00	2.67	2.20	3.00	-	-	-	-	2.50	-	-	2.30	2.00	-
C128	Computer Programming in CLab	1.00	1.00	1.16	1.83	1.00	-	-	-	-	-	-	1.00	2.83	2.55	2.66
C211	Mathematics – IV	0.37	0.54	0.25	0.50	0.37	-	-	-	-	-	-	-	0.41	0.50	0.75
C212	Data Structures through C++	0.75	0.75	0.75	0.75	-	-	-	-	0.50	-	0.50	0.50	0.75	0.75	0.75
C213	Mathematical Foundations of Computer Science	3.00	3.00	3.00	2.16	2.00	-	-	-	-	-	-	1.83	2.00	2.80	2.00
C214	Digital Logic Design	0.55	0.50	0.25	0.40	0.29	-	-	-	-	-	-	0.25	0.75	0.50	0.75
C215	Object Oriented Programming through Java	1.50	2.25	2.25	1.50	2.25	-	-	-	2.25	-	-	2.25	2.25	2.25	1.50
C216	Data Structures through C++ Lab	3.00	3.00	3.00	3.00	3.00	-	-	-	3.00	-	2.00	-	3.00	3.00	3.00

C217	IT Workshop	2.00	2.00	1.30	1.50	1.50	-	-	-	2.00	1.00	1.00	1.66	1.00	1.60	1.66
C218	Object Oriented Programming through Java Lab	3.00	3.00	2.16	2.16	-	-	-	-	2.16	2.00	2.16	2.00	3.00	2.16	3.00
C219	Environmental Science and Technology	-	-	2.16	-	3.00	-	3.00	2.00	-	-	-	2.00	-	-	-
C221	Computer Organization	0.50	0.56	0.75	-		-	-	-	-	-	-	-	0.62	0.66	-
C222	Database Management Systems	1.50	1.50	1.50	1.50	1.50	-	-	-	1.00	0.91	1.25	0.75	1.50	1.50	1.50
C223	Operating Systems	2.25	1.99	1.50	1.87		-	-	-	1.50	-	-	2.25	2.25	1.50	1.50
C224	Formal Languages and Automata Theory	0.25	0.25	0.25	0.54	0.50	-	-	-	-	-	-	-	0.50	0.70	0.50
C225	Business Economics and Financial Analysis	-	-	-	-	-	-	-	-	1.50	1.50	1.75	1.62	-	-	-

C226	Computer Organization Lab	1.00	2.00	2.50	1.00	1.33	-	-	-	3.00	1.75	-	2.00	2.00	2.40	2.00
C227	Database Management Systems Lab	3.00	3.00	3.00	3.00	2.00	-	-	-	-	-	2.00	2.00	3.00	3.00	2.00
C228	Operating Systems Lab	3.00	3.00	3.00	3.00	2.00	-	-	-	2.00	-	2.00	3.00	3.00	2.00	2.00
C229	Gender sensitization Lab	-	-	-	-	-	3.00	-	2.25	-	-	-	-	-	-	-
C311	Design and Analysis of Algorithms	3.00	3.00	3.00	2.66	2.66	-	-	-	2.00	2.16	2.33	3.00	3.00	3.00	3.00
C312	Data Communication and Computer Networks	0.41	0.46	0.50	0.50	0.50	-	-	-	0.50	0.37	0.50	0.58	0.58	0.41	0.75
C313	Software Engineering	2.12	1.87	1.65	1.69	1.65	-	-	1.12	1.50	1.69	2.06	2.25	1.50	2.25	2.25
C314	Fundamentals of Management	-	-	-	-	-	0.66	-	0.62	0.71	0.46	0.75	0.46	-	-	-
C315	Open Elective –I Scripting languages	-	-	2.00	-	-	-	2.00	-	-	-	-	-	-	-	-

C316	Design and Analysis of Algorithms Lab	1.83	3.00	3.00	3.00	3.00	-	-	-	2.00	-	2.00	3.00	1.33	3.00	3.00
C317	Computer Networks Lab	3.00	2.40	2.00	1.00	2.00	-	-	-	-	-	-	3.00	2.20	2.20	2.20
C318	Software Engineering Lab	-	-	2.50	1.00	3.00	-	-	3.00	-	2.00	2.00	3.00	3.00	2.25	-
C319	Professional Ethics	-	-	-	-	-	-	-	1.83	-	-	-	-	-	-	-
C321	Compiler Design	2.33	2.83	2.50	2.50	-	-	-	-	2.00	1.00	1.00	2.00	3.00	2.00	1.83
C322	Web Technologies	3.00	3.00	3.00	3.00	3.00	-	-	-	2.00	2.00	3.00	2.00	3.00	3.00	2.00
C323	Cryptography and Network Security	2.83	2.66	2.83	2.83	2.33	-	-	-	-	-	-	1.83	3.00	3.00	3.00
C324	Open Elective-II : Environmental impact aseesment	-	-	-	-	-	0.75	1.37	-	-	-	-	-	-	-	0.75
C325	Professional Elective-I :Mobile Computing	2.00	2.00	2.00	2.50	-	-	-	-	3.00	2.00	1.66	3.00	3.00	2.00	2.00

C326	Cryptography and Network Security Lab	2.66	2.33	2.33	2.00	3.00	-	-	-	-	-	-	2.00	2.33	2.16	2.33
C327	Web Technologies Lab	3.00	3.00	3.00	3.00	3.00	-	-	-	2.00	2.00	3.00	2.00	3.00	3.00	2.00
C328	Advanced English Communication Skills Lab	-	-	-	-	-	-	-	-	3.00	3.00	-	-	-	-	-
C411	Data Mining	1.50	0.75	0.50	0.50	-	-	-	-	-	-	-	1.00	0.91	0.50	0.50
C412	Principles of Programming Languages	0.25	0.25	-	-	-	-	-	-	0.25	0.25	0.50	0.75	0.50	0.37	0.37
C413	Professional Elective – II :Python Programming	0.75	0.75	0.75	0.54	-	-	-	-	0.50	0.54	0.75	0.75	0.75	0.54	0.75
C414	Professional Elective – III : Software Process and Project Management	-	-	3.00	-	2.00	-	-	2.00	2.00	2.00	2.00	2.00	3.00	3.00	3.00
C415	Professional Elective – IV :Cloud Computing	1.50	1.50	1.99	2.25		-	-	2.25	2.25	1.50	1.50	-	2.25	1.50	1.24

C416	Data Mining Lab	2.00	2.00	3.00	2.25	3.00	-	-	-	2.00	2.50	-	2.00	3.00	3.00	2.50
C417	Python Programming Lab	3.00	3.00	2.00	2.16	2.00	-	-	-	2.16	2.00	3.00	3.00	3.00	2.16	3.00
C418	Industry Oriented Mini Project	2.00	2.50	3.00	2.50	2.00	-	-	3.00	-	3.00	-	3.00	1.00	2.00	2.00
C419	Seminar	2.00	3.00	-	-	-	-	-	-	2.50	3.00	-	3.00	1.00	2.00	-
C421	Open Elective – III : Management Information Systems	-	-	-	-	-	2.33	-	1.33	2.16	2.16	2.83	1.33	3.00	2.00	2.00
C422	Professional Elective – V :Modern Software Engineering	0.75	0.75	0.87	0.75	0.75	-	-	-	0.75	0.75	1.00	0.75	1.05	0.75	0.75
C423	Professional Elective – VI :Advanced Algorithms	3.00	3.00	3.00	3.00	3.00	-	-	-	-	2.00	2.00	-	2.60	3.00	3.00
C424	Major Project	3.00	3.00	3.00	3.00	3.00	3.00	2.00	3.00	3.00	3.00	3.00	3.00	2.00	2.00	2.00

Direct Attainment	1.92	1.93	1.95	1.85	2.02	1.63	1.98	1.95	1.83	1.86	1.65	1.81	1.96	1.91	1.78
Indirect Attainment	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
PO Attainment	2.14	2.14	2.16	2.08	2.22	1.90	2.18	2.16	2.06	2.09	1.92	2.05	2.17	2.13	2.03

Table B.3.3.2-3

CRITERION 4	STUDENTS' PERFORMANCE	150

4. STUDENTS' PERFORMANCE (150)

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	**2020-21**	**2019-20 (CAY)**	**2018-19 (CAYm1)**	**2017-18 (CAYm2)**	**2016-17 (CAYm3)**	**2015-16 (CAYm4)**	**2014-15 (CAYm5)**	**2013-14 (CAYm6)**
Sanctioned intake of the program(N)	**60**	**60**	**60**	**60**	**60**	**60**	**60**	**120**
Total number of students admitted in first year minus number of students migrated to other programs/ institutions plus No. of students migrated to this program (N1)	**60**	**60**	**60**	**47**	**55**	**55**	**36**	**61**
Number of students admitted in 2nd year in the same batch via lateral entry (N2)	**5**	**3**	**4**	**2**	**3**	**1**	**1**	**0**
Separate division students, If applicable (N3)	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Total number of students admitted in the programme(N1 + N2 + N3)	**65**	**63**	**64**	**49**	**58**	**56**	**37**	**61**

Table B.4a

Year of entry	Total No of students admitted in the program (N1 + N2 + N3)	Number of students who have successfully graduated without backlogs in any semester/ year of study (Without Backlog means no compartment or failures in any semester/ year of study)			
		I year	II year	III year	IV year
2020-21	**65**	**0**	**0**	**0**	**0**
2019-20 (CAY)	**63**	**29**	**0**	**0**	**0**
2018-19 (CAYm1)	**64**	**36**	**29**	**0**	**0**
2017-18 (CAYm2)	**49**	**28**	**15**	**15**	**8**
2016-17 (CAYm3)	**58**	**29**	**17**	**14**	**14**
2015-16 (LYG)	**56**	**32**	**30**	**29**	**27**
2014-15 (LYGm1)	**37**	**23**	**23**	**21**	**21**
2013-14 (LYGm2)	**61**	**38**	**35**	**29**	**26**

Table B.4b

Year of entry	Total No of students admitted in the program (N1 + N2 + N3)	Number of students who have successfully graduated in stipulated period of study) [Total of with Backlog + without Backlog]			
		I year	II year	III year	IV year
2020-21	65	0	0	0	0
2019-20 (CAY)	63	29	0	0	0
2018-19 (CAYm1)	64	58	49	0	0
2017-18 (CAYm2)	49	45	44	39	17
2016-17 (CAYm3)	58	53	53	52	48
2015-16 (LYG)	56	52	51	51	49
2014-15 (LYGm1)	37	36	36	35	35
2013-14 (LYGm2)	61	60	59	59	49

Table B.4c

4.1 Enrolment Ratio(20)

	N (From Table 4.1)	N1 (From Table 4.1)	Enrollment Ratio (N1/N)*100]
2020-21	60	60	100.00
2019-20 (CAY)	60	60	100.00
2018-19 (CAYm1)	60	60	100.00
2017-18 (CAYm2)	60	47	78.33

Table B.4.1

Average [(ER1 + ER2 + ER3) / 3] : 100.00
Assessment : 20.00

4.2 Success Rate in the stipulated period of the program(40)

4.2.1 Success rate without backlogs in any semester / year of study(25)

Item	(2016-17)	Latest Year of Graduation, LYG (2015-16)	Latest Year of Graduation minus 1, LYGm1 (2014-15)	Latest Year of Graduation minus 2 LYGm2 (2013-14)
X Number of students admitted in the corresponding First year + admitted in 2nd year via lateral entry and seperated division, if applicable	58	55	36	62
Y Number of students who have graduated without backlogs in the stipulated period	14	27	21	26
Success Index [SI = Y / X]	0.24	0.49	0.58	0.42

Table B.4.2.1

Average SI [(SI1 + SI2 + SI3) / 3] : 0.43

Assessment [25 * Average SI] : 10.90

4.2.2 Sucess rate in stipulated period(15)

Item	(2016-17)	Latest Year of Graduation, LYG (2015-16)	Latest Year of Graduation minus 1, LYGm1 (2014-15)	Latest Year of Graduation minus 2 LYGm2 (2013-14)
X Number of students admitted in the corresponding First year + admitted in 2nd year via lateral entry and seperated division, if applicable	58	55	36	62

Y Number of students who have graduated in the stipulated period	48	49	35	49
Success Index [SI = Y / X]	0.83	0.89	0.97	0.79

Table B.4.2.2

Average SI[(SI1 + SI2 + SI3) / 3]: 0.89

Assessment [15 * Average SI] : 13.45

Note : If 100% students clear without any backlog then also total marks scored will be 40 as both 4.2.1 & 4.2.2 will be applicable simultaneously.

4.3 Academic Performance in Third Year(15)

Academic Performance	CAYm2 (2017-18)	CAYm3 (2016-17)	LYG (2015-16)	LYGm1 (2014-15)
Mean of CGPA or mean percentage of all successful students(X)	5.60	5.80	5.60	5.60
Total number of successful students(Y)	44	53	51	35
Totalnumber of students appeared in the examination(Z)	44	53	51	35
API [X*(Y/Z)]:	5.60	5.80	5.60	5.60

Table B.4.3

Average API [(AP1 + AP2 + AP3)/3] : 5.66

Assessment [1.5 * AverageAPI] : 8.50

4.4 Academic Performance in Second Year(15)

Academic Performance	CAYm1 (2018-19)	CAYm2 (2017-18)	CAYm3 (2016-17)	LYG (2015-16)
Mean of CGPA or mean percentage of all successful students(X)	5.90	5.40	5.80	5.80
Total number of successful students(Y)	62	44	53	51
Totalnumber of students appeared in the examination(Z)	62	44	53	51
API [X*(Y/Z)]:	5.90	5.40	5.80	5.80

Table B.4.4

Average API [(AP1 + AP2 + AP3)/3] : 5.70

Assessment [1.5 * AverageAPI] : 8.55

4.5 Placement, Higher Studies and Entrepreneurship(40)

Item	(2016-17)	LYG (2015-16)	LYGm1 (2014-15)	LYGm2 (2013-14)
Total No of Final Year Students(N)	44	51	35	59
No of students placed in the companies or government sector(X)	25	23	22	20
No of students admitted to higher studies with valid qualifying scores (GATE or equivalent State or National Level tests, GRE, GMAT etc.) (Y)	6	1	4	3
No of students turned entrepreneur in engineering/technology (Z)	0	0	0	0
x + y + z =	31	24	26	23
Placement Index [(X+Y+Z)/N] :	0.70	0.47	0.74	0.39

Table B.4.5

Average Placement [(P1 + P2 + P3)/3] : 0.63

Assessment [40 * Average Placement] : 25.46

4.5a. Provide the placement data in the below mentioned format with the name of the program and the assessment year:

Program Name: Computer Science & Engineering

Assessment Year Name : 2017-18

SNO	STUDENT NAME	Enrollment No	NAME OF EMPLOYER	Appointment No
1	G.SRAVANI	17QU1A0535	GJ SOLUTIONS	GJ SOLUTIONS/501
2	SHERU SUSHMITHA	17QU1A0541	GJ SOLUTIONS	GJ SOLUTIONS/502
3	S RAMYA SRI	17QU1A0524	GJ SOLUTIONS	GJ SOLUTIONS/503
4	NAVYA KIKKI	17QU1A0516	GJ SOLUTIONS	GJ SOLUTIONS/504
5	A SHIRISHA	17QU1A0529	GJ SOLUTIONS	GJ SOLUTIONS/505
6	M TRIVENI	17QU1A0542	GJ SOLUTIONS	GJ SOLUTIONS/506
7	K PRIYANKA	17QU1A0521	GJ SOLUTIONS	GJ SOLUTIONS/507
8	PRATHYUSHA.A	17QU1A0520	GJ SOLUTIONS	GJ SOLUTIONS/508
9	SRAVANTHI.D	17QU1A0536	GJ SOLUTIONS	GJ SOLUTIONS/509
10	AKSHAYA.CH	17QU1A0501	GJ SOLUTIONS	GJ SOLUTIONS/510
11	RAMYA CH	17QU1A0522	GJ SOLUTIONS	GJ SOLUTIONS/511
12	KAVYASREE B	17QU1A0510	GJ SOLUTIONS	GJ SOLUTIONS/512
13	HANEEFA M	17QU1A0509	GJ SOLUTIONS	GJ SOLUTIONS/513
14	SAHITHI K	17QU1A0526	GJ SOLUTIONS	GJ SOLUTIONS/514
15	V DURGA BHAVNI	17QU1A0507	GJ SOLUTIONS	GJ SOLUTIONS/515
16	A VANAJA	17QU1A0545	TELEPEROMANCE	TELEPEROMANCE/501
17	M SUPRIYA	17QU1A0539	TELEPEROMANCE	TELEPEROMANCE/502
18	K V L THULASI	17QU1A0547	TELEPEROMANCE	TELEPEROMANCE/503
19	V VINEELA	17QU1A0548	TELEPEROMANCE	TELEPEROMANCE/504
20	G PAVITHRA	17QU1A0517	TELEPEROMANCE	TELEPEROMANCE/505
21	A SHIRISHA	17QU1A0529	TELEPEROMANCE	TELEPEROMANCE/506
22	SHIVANI CH	17QU1A0530	TELEPEROMANCE	TELEPEROMANCE/507
23	POOJA D	17QU1A0518	TELEPEROMANCE	TELEPEROMANCE/508
24	VANDANA.CH	17QU1A0546	TELEPEROMANCE	TELEPEROMANCE/509
25	BINDHUSREE.B	17QU1A0503	TELEPEROMANCE	TELEPEROMANCE/510
26	DIVYA.B	17QU1A0505	TELEPEROMANCE	TELEPEROMANCE/511
27	TRIVENI.T	17QU1A0544	TELEPEROMANCE	TELEPEROMANCE/512

28	G PAVITHRA	17QU1A0517	ICCS	ICCS/501
29	B SRAVANI	18QU5A0501	HDFC	HDFC/501
30	SAHITHI K	17QU1A0526	HDFC	HDFC/502
31	D SRUJANA	17QU1A0538	TATA	TATA/501
32	V DURGA BHAVANI	17QU1A0507	RELIANCE	RELIANCE/501

Assessment Year Name : 2016-17

SNO	STUDENT NAME	Enrollment No	Employee Name	Appointment No
1	GOWTHAMI VEERAMSHETTI	16QU1A0509	Arete IT Services	Arete/501
2	SRILAXMI KANDARABOINA	16QU1A0542	Arete IT Services	Arete/502
3	MALLIKA D	16QU1A0556	Arete IT Services	Arete/503
4	ASHWINI MUNNA	17QU5A0501	Arete IT Services	Arete/504
5	K. KRISHNAVENI	16QU1A0514	EFFTRONICS	EFFTRONICS/501
6	NAGAJYOTHI KOLA	16QU1A0521	EFFTRONICS	EFFTRONICS/502
7	POOJITHA CHEEDELLA	16QU1A0528	EFFTRONICS	EFFTRONICS/503
8	SAI SRUTHI YEDLA	16QU1A0532	EFFTRONICS	EFFTRONICS/504
9	B. SREEJA	16QU1A0540	EFFTRONICS	EFFTRONICS/505
10	V. ANUSHA	16QU1A0503	Hinduja Global Sol.	HGS/501
11	P. PRASANNA	16QU1A0527	Hinduja Global Sol.	HGS/502
12	B. SAHITHI KRISHNA	16QU1A0530	Hinduja Global Sol.	HGS/503
13	SK. SHAKEERA	16QU1A0534	Hinduja Global Sol.	HGS/504
14	K. SRI LAXMI	16QU1A0542	Hinduja Global Sol.	HGS/505
15	T. SWAPNA	16QU1A0545	Hinduja Global Sol.	HGS/506
16	B. SWATHI	16QU1A0546	Hinduja Global Sol.	HGS/507
17	G. GOUTHAMI	16QU1A0508	RK Info. Systems	RKInfo/501
18	N. SAI SOWMYA	16QU1A0531	RK Info. Systems	RKInfo/502
19	L. USHARANI	16QU1A0552	RK Info. Systems	RKInfo/503

20	M. YOGITHA	16QU1A0555	RK Info. Systems	RKInfo/504
21	K. LAXMI PRAVEENA	17QU5A0502	RK Info. Systems	RKInfo/505
22	BHAVANI NEMMANI	16QU1A0505	TATA BUSINESS SERVICE	TATA/501
23	G. HARITHA	16QU1A0510	TATA BUSINESS SERVICE	TATA/502
24	G. TAPASWINI	16QU1A0548	TATA BUSINESS SERVICE	TATA/503
25	S. UMA MAHESWARI	16QU1A0551	TATA BUSINESS SERVICE	TATA/504

Assessment Year Name : CAYm1(2015-2016)

SNO	STUDENT NAME	Enrollment No	Employee Name	Appointment No
1	LAVANYA NELANTI	15QU1A0516	CtrlS	CtrlS/501
2	MOUNIKA KATTHULA	15QU1A0520	CtrlS	CtrlS/502
3	G. SAMATHA	15QU1A0537	CtrlS	CtrlS/503
4	VEENA GANGURI	15QU1A0555	CtrlS	CtrlS/504
5	VIJAYA LAXMI CHITTIPOLU	15QU1A0556	CtrlS	CtrlS/505
6	G. PRASHANTHI	15QU1A0529	EFFTRONICS	EFFTRONICS/501
7	RAJYALAXMI MANTRIPRAGADA	15QU1A0534	EFFTRONICS	EFFTRONICS/502
8	SREE LEKHA ANNEM	15QU1A0547	EFFTRONICS	EFFTRONICS/503
9	P. TEJASWINI	15QU1A0551	EFFTRONICS	EFFTRONICS/504
10	AKHILA MITTAPALLI	15QU1A0501	Hinduja Global Sol.	Hinduja/501
11	KAVYA VAJRAPU	15QU1A0512	Hinduja Global Sol.	Hinduja/502
12	VINITHA VADAKE	15QU1A0523	Hinduja Global Sol.	Hinduja/503
13	SINDHU BELLAMKONDA	15QU1A0541	Hinduja Global Sol.	Hinduja/504
14	NAVYA MUNAGALA	15QU1A0524	Karvy	Karvy/501
15	SAI SANGAVI KANDIKONDA	15QU1A0536	Karvy	Karvy/502
16	SANTHOSHI AKULA	15QU1A0538	Karvy	Karvy/503

17	SHAHANA SHAIK	15QU1A0539	Karvy	Karvy/504
18	SHAILAJA KUMARI CHITTIPROLU	15QU1A0540	Karvy	Karvy/505
19	ANUSHA NALABOLU	15QU1A0503	TATA BUSINESS SERVICE	TATA BUSINESS/501
20	AVILASHA TATHINENI	15QU1A0504	TATA BUSINESS SERVICE	TATA BUSINESS/502
21	HUSSENBHI PATAN	15QU1A0509	TATA BUSINESS SERVICE	TATA BUSINESS/503
22	LAXMISANTOSHI BHAVANA	15QU1A0514	TATA BUSINESS SERVICE	TATA BUSINESS/504
23	N. PAVANI	15QU1A0527	TATA BUSINESS SERVICE	TATA BUSINESS/505

Assessment Year Name : CAYm2(2014-2015)

SNO	Enrollment No	STUDENT NAME	Employee Name	Appointment No
1	KALPANA MALLEBOINA	14QU1A0511	Efftronics	Efftronics/501
2	LAVANYA SHIVA KOTI	14QU1A0515	Efftronics	Efftronics/502
3	NAVYA KURAPATI	14QU1A0519	Efftronics	Efftronics/503
4	SAHITHI VANDANAPU1	14QU1A0521	Efftronics	Efftronics/504
5	PRANEETHA GADE	14QU1A0520	GGK Tech	GGK Tech/501
6	SRAVANI SADE	14QU1A0524	GGK Tech	GGK Tech/502
7	SRIVIDYA GADHAMSETTY	14QU1A0528	GGK Tech	GGK Tech/503
8	VINEESHA VELISHALA	14QU1A0534	GGK Tech	GGK Tech/504
9	Bhargavi	14QU1A0503	GGK Tech	GGK Tech/505
10	HARIKA VASAM	14QU1A0506	Hd Edutools	Hd Edutools/501
11	KEERTHEEMANJUSHA KARLAKUNTA	14QU1A0512	Hd Edutools	Hd Edutools/502
12	LAXMI BAHATAM	14QU1A0516	Hd Edutools	Hd Edutools/503
13	BHARGAVI MUDOTHULA	14QU1A0502	Karvy	Karvy/501
14	KALPANA KANDHIBANDA	14QU1A0510	Karvy	Karvy/502
15	SRIDURGA DIVEELA	14QU1A0526	Karvy	Karvy/503
16	SUNEETHA TADIKAMALLA	14QU1A0529	Karvy	Karvy/504
17	UDAYA SRI PANDI	14QU1A0532	Karvy	Karvy/505
18	INDIRA SOMISHETTY	14QU1A0508	Sia Group	Sia Group/501
19	MANEESHA NANDYALA	14QU1A0518	Sia Group	Sia Group/502
20	SHIRISHA VEEREPALLY	14QU1A0523	Sia Group	Sia Group/503
21	SUSHMA GOPIREDDY	14QU1A0530	Sia Group	Sia Group/504

22	VINITHA	14QU1A0535	Sia Group	Sia Group/505

Assessment Year Name : CAYm3(2013-2014)

SNO	Enrollment No	STUDENT NAME	Employee Name	Appointment No
1	ANUSHA PUSULURI	13QU1A0503	Apps associates	Apps associates/501
2	KEERTHANA BANDARI	13QU1A0512	Tera data	Tera data/501
3	MOUNIKA NALLAMOTHU	13QU1A0518	Apps associates	Apps associates/502
4	NAMRATHA NUTHAKKI	13QU1A0522	Tera data	Tera data/502
5	NAVYA MALLELA	13QU1A0523	Ctrl s	Ctrl s/501
6	NAVYA NAKIRIKANTI	13QU1A0524	HGS	HGS/501
7	PREETHI VANGAVETI	13QU1A0529	Apps associates	Apps associates/503
8	PRIYANKA GOLLA	13QU1A0530	Ctrl s	Ctrl s/502
9	PRIYANKA GUNDA	13QU1A0531	Apps associates	Apps associates/504
10	SUSHMA KOVVOORU	13QU1A0551	Sia Group	Sia Group/501
11	UDAYA DEEPTHI CHILAKAMARRI	13QU1A0553	Apps associates	Apps associates/505
12	VINEETHA DEEKONDA	13QU1A0560	Ctrl s	Ctrl s/503
13	ANUSHA BUKYA	13QU1A0502	Sia Group	Sia Group/502
14	SANDHYA VYTLA	13QU1A0537	Apps associates	Apps associates/506
15	JYOTHSNA THOTA	13QU1A0511	Ctrl s	Ctrl s/504
16	NEELIMA BOSETTI	13QU1A0526	Apps associates	Apps associates/507
17	SATYAVANI SANIVARAPU	13QU1A0538	Sia Group	Sia Group/503
18	SUDHA BOSETTI	13QU1A0549	Ctrl s	Ctrl s/505
19	MANASA BATHULA	13QU1A0516	Ctrl s	Ctrl s/506
20	NAGASUDHA THOLLA	13QU1A0520	Apps associates	Apps associates/508
21	SOUMYA DONGARI	13QU1A0541	Sia Group	Sia Group/504
22	SRI TEJA SHAGAM	13QU1A0545	Tera data	Tera data/503
23	VEERAVENKATABHARGAVI GADE	13QU1A0558	Sia Group	Sia Group/505

4.6 Professional Activities(20)

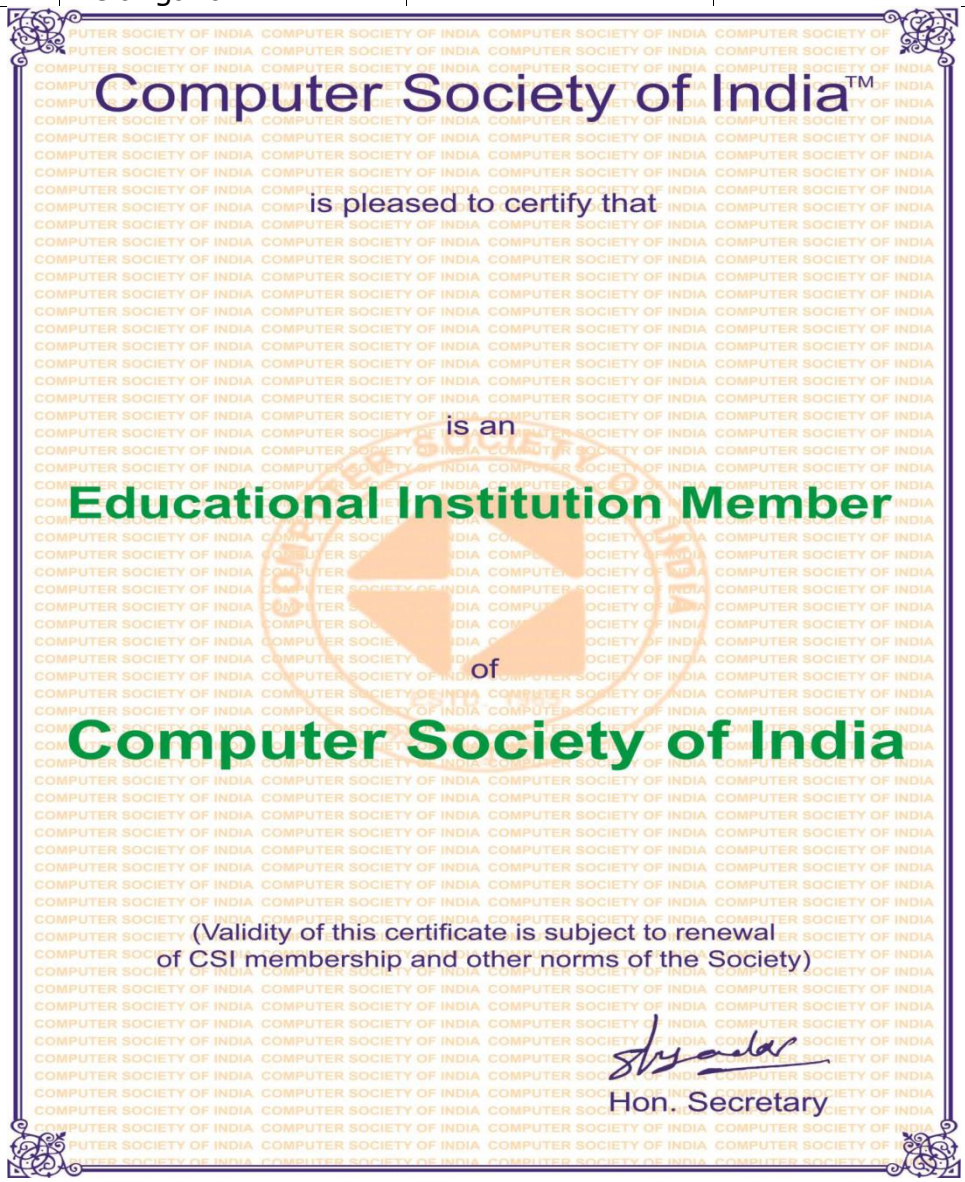
4.6.1 Professional socities/ chapters and organizing engineering events(5)

The professional chapter of Computer Society of India, Hyderabad was

established in Kodada Institute of Technology and Science for Women, kodad, Telangana.

The details are as follows :

S.NO	Name of the College	Name of Chapter	Details (Date/Month/Year)
1	Kodada Institute of Technology and Science for Women, kodad, Telangana.	Computer Society of India, Hyderabad	31-07-2020



Faculty Membership Details:

Sl.No	Name of the Faculty	Designation	CSI Number/Year
1	CH.NAGARJUN RAO	PROFESSOR	F8003243

2	CH.SURESH KUMAR	ASSISTANT.PROFESSOR	F8003244
3	K.VAMSHI KRISHNA	ASSISTANT.PROFESSOR	F8003245

The professional chapter of Indian Society for Technical Education, India was established in Kodada Institute of Technology and Science for Women, kodad, Telangana.

The details are as follows :

S.NO	Name of the College	Name of Chapter	Details (Date/Month/Year)
1	Kodada Institute of Technology and Science for Women, kodad, Telangana.	Indian Society for Technical Education	30-12-2020

IM 2917

FOUNDED 1968

Devoted to promotion of quality and standards in technical education

THE INDIAN SOCIETY FOR TECHNICAL EDUCATION

By this Certificate warrants that

KODADA INSTT. OF TECHNOLOGY & SCIENCE FOR WOMEN

DIST. SURYAPET

was duly admitted by the Executive Council as

INSTITUTIONAL MEMBER

of the Society and is fully entitled to all the privileges granted by the constitution and bye-laws

2020

EXECUTIVE SECRETARY

List of WORKSHOPS organized under ISTE

S.NO	Gap Description	Action taken	Date	Resource person with Designation	% of students	Relevance to POs, PSOs
1	Modern technology usage	A One Day Webinar on "Python Programming" was organized for III B.Tech Students	14/04/2021	GVK Sri Krishana,Software Developer,VINCENSE Software pvt Ltd., Hyderabad	86%	PO1,PO2,PO3,PO4,PO5, PO12,PSO1, PSO2,PSO3
2	Modern Technology usage	A One Day Webinar on "Andriod Application Development" for III B.Tech students	26/04/2021	Mr K.Sridhar, Trainer, VINCENSE Software pvt Ltd., Hyderabad	88%	PO1,PO2,PO3,PO4,PO5, PO12,PSO1, PSO2,PSO3
3	Modern Technology usage	A One Day online workshop on	02/05/2021	Mr G.Srinivasa Rao, Trainer, Vertulonix, Hyderabad	91%	PO1,PO2,PO3, PO4, PO5, PO11 PSO1,PSO2,PSO3

		"Internet of Things(IOT)" for II, III, IV B.Tech students				

4.6.2 Publication of technical magazines, newsletters, etc.(5)

CSE Department news letter names "TECH SPARK" for the Academic Year: 2018-19.

4.6.3 Participationininter-institute events by students of the program of study (10)

Academic Year 2018 – 19

S.NO	STUDENT NAME	EVENT NAME	ORGANIZATION NAME	REMARKS
1	G SAMATHA	AVIRBHAV – 2019	Anurag Engineering College, Kodad	Second Prize

2	VIJAYA LAXMI	EKATRA – 2K19	Khammam Institute of tech. and Science, Khammam	First Prize
3	G PRASHANTHI	SKOPOS – 2019	Lakshya College, Khammam	Second Prize
4	RAJYALAXMI	AVIRBHAV – 2019	Anurag Engineering College, Kodad	Third Prize

Academic Year 2017 – 18

S.NO	STUDENT NAME	EVENT NAME	ORGANIZATION NAME	REMARKS
1	Vineesha Velishala	SKOPOS – 2018	Lakshya College, Khammam	First Prize
2	Likhitha Bandi	AVIRBHAV – 2018	Anurag Engineering College, Kodad	Second Prize
3	Srividya Gadhamsetty	EKATRA – 2K18	Khammam Institute of tech. and Science, Khammam	Second Prize
4	Keerthi Katta	AVIRBHAV – 2018	Anurag Engineering College, Kodad	Third Prize

Academic Year 2016 – 17

S.NO	STUDENT NAME	EVENT NAME	ORGANIZATION NAME	REMARKS
1	Sri Lakshmi Budati	SKOPOS – 2018	Lakshya College, Khammam	First Prize
2	Neelima Bosetti	AVIRBHAV – 2018	Anurag Engineering College, Kodad	Second Prize
3	Veera Venkata Bhargavi Gade	EKATRA – 2K18	Khammam Institute of tech. and Science, Khammam	Second Prize
4	Jayasri Payili	AVIRBHAV – 2018	Anurag Engineering College, Kodad	Third Prize

CRITERION 5	FACULTY INFORMATION AND CONTRIBUTIONS	200

List of Faculty Members (2020-21)

S.No	Name of the Faculty Member	Qualification			Association with the Institution	Designation	Date on which Designated as Professor/ Associate Professor	Date of Joining the Institution	Department	Specialization	Academic Research			Currently Associated (Y/N) Date of Leaving (In case Currently Associated is "No")	Nature of Association (Regular/Contract)
		Degree (highest degree)	University	qualification							Research Paper Publications	Ph.D. Guidance	the Assessment Years		
1	DR. L K SRAVANTHI POTTI	P.hD	OPJS	2019	FULL TIME	Assoc prof & HOD	01/07/2019	18/03/2019	C.S. E	COMPUTER SCIENCE ENGINEERING	3	NO	YES	YES	YES
2	DR.K VENKATESHAN	P.hD	ANNAMALAI	2011	FULL TIME	Prof	21/02/2018	21/02/2018	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular

3	DR.GANDHAVALLA SAMBASIVA RAO	Ph.D	ANU	2007	FULL TIME	Prof	08/02/2018	08/02/2018	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
4	DR.K VENKAT RAMANA	P.hD	ANNAMALAI	2017	FULL TIME	Assoc Prof	27/02/2018	27/02/2018	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
5	DR.P KARUNAKAR REDDY	P.hD	Manonmaniam sundaranar	2015	FULL TIME	Assoc Prof	23/02/2017	23/02/2017	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
6	DR.NARENDRUNI LAKSHMI PRIYA	P.hD	OPJS	2018	FULL TIME	Assoc Prof	21/04/2018	05/02/2010	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	YES	YES	Regular
7	PIDAMARTHI ARUNA	M.Tec h	JNTUH	2015	FULL TIME	Asst prof	22/02/2018	22/02/2018	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
8	N.SANDHYA	M.Tec h	JNT UH	2012	FULL TIME	Asst. Prof	19/02/2015	19/02/2015	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
9	MITTAGANAPULA RAJITHA	M.Tec h	JNTUH	2015	FULL TIME	Asst. Prof	10/12/2015	10/12/2015	C.S.E	COMPUTER SCIENCE	0	NO	NO	YES	Regular

										ENGINEERING					
10	SOMA USHA	M.Tech	JNT UH	2014	FULL TIME	Asst Prof	02/03/2015	02/03/2015	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
11	MEKALA VIJETHA	M.Tec h	JNT UH	2015	FULL TIME	Asst. Prof	10/12/2015	10/12/2015	C.S.E	COMPUTER SCIENCE ENGINEERING	1	NO	NO	YES	Regular
12	BACHHU PRAVEEN KUMAR	M.Tech	JNTUH	2016	FULL TIME	Asst Prof	18/03/2016	18/03/2016	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
13	INTI SURYASHEKAR	M.Tec h	JNT UH	2014	FULL TIME	Asst. Prof	02/01/2015	02/01/2015	C.S.E	COMPUTER SCIENCE ENGINEERING	1	NO	NO	YES	Regular

14	UMMMINENI RAJASREE	M.Tech	JNTUH	2016	FULL TIME	Asst. Prof	07/11/2016	07/11/2016	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
15	ADUSUMILLI LAKSHMI TEJA	M.Tec h	JNTUH	2012	FULL TIME	Asst. Prof	10/03/2016	10/03/2016	C.S.E	COMPUTER NETWORKS	0	NO	NO	YES	Regular
16	SOMU JYOTHNA	M.Tec h	JNT UH	2016	FULL TIME	Asst. Prof	09/02/2017	09/02/2017	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
17	K.LAXMAIAH	M.Tech	JNTUH	2009	FULL TIME	Asst Prof.	16/06/2017	16/06/2017	C.S.E	DIGITAL SYSTEMS & COMPUTER ELECTRONICS	1	NO	NO	YES	Regular
18	BITTU VIJAYKUMAR	M.Tec h	JNT UH	2013	FULL TIME	Asst Prof	02/01/2015	02/01/2015	C.S.E	SOFTWARE ENGINEERING	0	NO	NO	YES	Regular
19	CH RUDRAMA DEVI	M.Tech	JNTUH	2011	FULL TIME	Asst Prof.	01/07/2019	01/07/2019	C.S.E	COMPUTER SCIENCE ENGINEERING	2	NO	NO	YES	Regular
20	A NANDDINI SREE	M.Tech	JNTUH	2017	FULL TIME	Asst Prof .	01/06/2017	01/06/2017	C.S.E	COMPUTER SCIENCE	0	NO	NO	YES	REGULAR

										ENGINEERING					
21	T.VARA PRASAD	M.Tech	JNTUH	2009	FULL TIME	Asst Prof	01.09.2020	01.09.2020	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	REGULAR

Table B.5

List of Faculty Members for CAY (2019-20)

S.No	Name of the Faculty Member	Qualification			Association with the Institution	Designation	Date on which Designated as Professor/ Associate Professor	Date of Joining the Institution	Department	Specialization	Academic Research			Currently Associated (Y/N) Date of Leaving (In case Currently Associated is ("No")	Nature of Association (Regular/Contract)
		Degree (highest degree)	University	Year of attaining higher							Research Paper Publications	Ph.D. Guidance	Faculty Receiving Ph.D. during		
1	DR. L K SRAVANTHI POTTI	P.hD	OPJS	2019	FULL TIME	Assoc prof & HOD	01/07/2019	18/03/2019	C.S. E	COMPUTER SCIENCE ENGINEERING	2	NO	YES	YES	YES
2	DR.K VENKATESHAN	P.hD	ANNAMALAI	2011	FULL	Prof	21/02/2018	21/02/201	C.S.E	COMPUTER	1	NO	NO	YES	Regular

					TIME			8		SCIENCE ENGINEERING					
3	DR.GANDHAVALLA SAMBASIVA RAO	Ph.D	ANU	2007	FULL TIME	Prof	08/02/2018	08/02/2018	C.S.E	COMPUTER SCIENCE ENGINEERING	1	NO	NO	YES	Regular
4	DR.K VENKAT RAMANA	P.hD	ANNAMALAI	2017	FULL TIME	Assoc Prof	27/02/2018	27/02/2018	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
5	DR.P KARUNAKAR REDDY	P.hD	Manonmaniam sundaranar	2015	FULL TIME	Assoc Prof	23/02/2017	23/02/2017	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
6	DR.NARENDRUNI LAKSHMI PRIYA	P.hD	OPJS	2018	FULL TIME	Assoc Prof	21/04/2018	05/02/2010	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	YES	YES	Regular
7	PIDAMARTHI ARUNA	M.Tech	JNTUH	2015	FULL TIME	Asst prof	22/02/2018	22/02/2018	C.S.E	COMPUTER SCIENCE	0	NO	NO	YES	Regular

										ENGINEERING					
8	N.SANDHYA	M.Tech	JNTUH	2012	FULL TIME	Asst. Prof	19/02/2015	19/02/2015	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
9	MITTAGANAPULA RAJITHA	M.Tech	JNTUH	2015	FULL TIME	Asst. Prof	10/12/2015	10/12/2015	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
10	SOMA USHA	M.Tech	JNT UH	2014	FULL TIME	Asst prof	02/03/2015	02/03/2015	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
11	MEKALA VIJETHA	M.Tech	JNT UH	2015	FULL TIME	Asst. Prof	10/12/2015	10/12/2015	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
12	BACHHU PRAVEEN KUMAR	M.Tech	JNTUH	2016	FULL TIME	AsstProf	18/03/2016	18/03/2016	C.S.E	COMPUTER SCIENCE	0	NO	NO	YES	Regular

										ENGINEERING					
13	INTI SURYASHEKAR	M.Tech	JNT UH	2014	FULL TIME	Asst. Prof	02/01/2015	02/01/2015	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
14	UMMMINENI RAJASREE	M.Tech	JNTUH	2016	FULL TIME	Asst. Prof	07/11/2016	07/11/2016	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
15	ADUSUMILLI LAKSHMI TEJA	M.Tech	JNTUH	2012	FULL TIME	Asst. Prof	10/03/2016	10/03/2016	C.S.E	COMPUTER NETWORKS	0	NO	NO	YES	Regular
16	SOMU JYOTHNA	M.Tech	JNT UH	2016	FULL TIME	Asst. Prof	09/02/2017	09/02/2017	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
17	CH. Suresh Kumar	M.Tech	JNTUH	2011	FULL TIME	Asst. Prof	02/02/2017	02/02/2017	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular

18	K.LAXMAIAH	M.Tech	JNTUH	2009	FULL TIME	AsstProf.	16/06/2017	16/06/2017	C.S.E	DIGITAL SYSTEMS & COMPUTER ELECTRONICS	0	NO	NO	YES	Regular
19	BITTU VIJAYKUMAR	M.Tec h	JNT UH	2013	FULL TIME	AsstProf..	02/01/2015	02/01/2015	C.S.E	SOFTWARE ENGINEERIN G	0	NO	NO	YES	Regular
20	CH RUDRAMA DEVI	M.Tec h	JNTUH	2011	FULL TIME	AsstProf.	01/07/201 9	01/07/201 9	C.S.E	COMPUTER SCIENCE ENGINEERIN G	0	NO	NO	YES	Regular
21	A NANDDINI SREE	M.Tec h	JNTUH	2017	FULL TIME	AsstProf .	01/06/201 7	01/06/201 7	C.S.E	COMPUTER SCIENCE ENGINEERIN G	0	NO	NO	YES	REGULA R

Table B.5-1

List of Faculty Members for CAY (2018-19)

s.no	Name of the Faculty Member	Qualification			Association with the Institution	Designation	Date on which Designated as Professor/ Associate Professor	Date of Joining the Institution	Department	Specialization	Academic Research			Currently Associated (Y/N) Date of Leaving (In case Currently Associated is ("No")	Nature of Association (Regular/Contract)
		Degree (highest degree)	University	Year of attaining higher qualification							Research Paper Publications	Ph.D. Guidance	Faculty Receiving Ph.D. during		
1	BITTU VIJAYKUMAR	M.Tec h	JNT UH	2013	Ass t Prof	Asst Prof	02/01/2015	02/01/2015	C.S.E	SOFTWARE ENGINEERING	0	NO	NO	YES	Regular
2	CH. Suresh Kumar	M.Tec h	JNTUH	2011	Ass t Prof	Asst. Prof	02/02/2017	02/02/2017	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
3	SADANALA SAMYUKTHA	M.Tec h	JNTUH	2016	Ass t Prof	Asst. Prof	12/02/2018	12/02/2018	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular

					.										
4	PIDAMARTHI ARUNA	M.Tec h	JNTUH	2015	Asst Prof .	Asst prof	22/02/2018	22/02/2018	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
5	N.SANDHYA	M.Tec h	JNT UH	2012	Ass t. Prof	Asst. Prof	19/02/2015	19/02/2015	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
6	DR.NARENDRUNI LAKSHMI PRIYA	Ph.D	OPJS	2018	Ph.D	Assoc Prof	21/04/2018	05/02/2010	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
7	MITTAGANAPULA RAJITHA	M.Tec h	JNT UH	2015	Ass t. Prof	Asst. Prof	10/12/2015	10/12/2015	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
8	SOMA USHA	M.Tec h	JNT UH	2014	Ass t. Prof	Asst prof	02/03/2015	02/03/2015	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
9	MEKALA VIJETHA	M.Tec h	JNT UH	2015	Ass t. Prof	Asst. Prof	10/12/2015	10/12/2015	C.S.E	COMPUTER SCIENCE ENGINEERING	1	NO	NO	YES	Regular

10	BACHHU PRAVEEN KUMAR	M.Tech	JNTUH	2016	Asst prof	AsstProf	18/03/2016	18/03/2016	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
11	INTI SURYASHEKAR	M.Tec h	JNT UH	2014	Ass t. Prof	Asst. Prof	02/01/2015	02/01/2015	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
12	UMMMINENI RAJASREE	M.Tec h	JNT UH	2016	Ass t. Prof	Asst. Prof	07/11/2016	07/11/2016	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
13	ADUSUMILLI LAKSHMI TEJA	M.Tec h	JNTUH	2012	Ass t. Prof	Asst. Prof	10/03/2016	10/03/2016	C.S.E	COMPUTER NETWORKS	0	NO	NO	YES	Regular
14	SOMU JYOTHNA	M.Tec h	JNT UH	2016	Ass t. Prof	Asst. Prof	09/02/2017	09/02/2017	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
15	A NANDDINI SREE	M.Tech	JNTUH	2017	FULL TIME	Ass t Prof	01/06/2017	01/06/2017	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	REGULAR
16	DR.K VENKAT RAMANA	P.hD	ANAMAL AI	2017	Ph.D	AssocProf	27/02/2018	27/02/2018	C.S.E	COMPUTER SCIENCE ENGINEERING	3	NO	NO	YES	Regular
17	DR.P KARUNAKAR REDDY	P.hD	Manonm aniam sundara	2015	Ph.D	Assoc.Prof	23/02/2017	23/02/2017	C.S.E	COMPUTER SCIENCE ENGINEERING	2	NO	NO	YES	Regular

			nar												
18	DR.K VENKATESHAN	P.hD	ANAM ALAI	2011	Ph.D	Prof	21/02/2018	21/02/2018	C.S.E	COMPUTER SCIENCE ENGINEERING	2	NO	NO	YES	Regular
19	DR.GANDHAVALLA SAMBASIVA RAO	Ph.D	ANU	2007	Ph.D	Prof	08/02/2018	08/02/2018	C.S.E	COMPUTER SCIENCE ENGINEERING	2	NO	NO	YES	Regular
20	K.LAXMAIAH	M.Tech	JNTUH	2009	FULL TIME	Ass t Prof .	16/06/2017	16/06/2017	C.S.E	DIGITAL SYSTEMS & COMPUTER ELECTRONICS	0	NO	NO	YES	Regular

Table B.5-2

List of faculty members for CAYm1 (2017-18)

S.No	Name of the Faculty Member	Qualification			Association with the Institution	Designation	Date on which Designated as Professor/ Associate Professor	Date of Joining the Institution	Department	Specialization	Academic Research			Currently Associated (Y/N) Date of Leaving (In case Currently Associated is ("No")	Nature of Association (Regular/Contract)
		Degree (highest degree)	University	Year of attaining higher qualification							Research Paper Publications	Ph.D. Guidance	Faculty Receiving Ph.D. during the Assessment Years		
1	BITTU VIJAYKUMAR	M.Tech	JNT UH	2013	Asst Prof	Asst Prof	02/01/2015	02/01/2015	C.S.E	SOFTWARE ENGINEERING	0	NO	NO	YES	Regular
2	CH. Suresh Kumar	M.Tech	JNT UH	2011	Asst Prof	Asst. Prof	02/02/2017	02/02/2017	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
3	N.SANDHYA	M.Tech	JNT UH	2012	Asst. Prof	Asst Prof	19/02/2015	19/02/2015	C.S.E	COMPUTER SCIENCE	0	NO	NO	YES	Regular

										ENGINEERING					
4	DR.NARENDRUNI LAKSHMI PRIYA	P.hD	OPJS	2018	Ph.D	Assoc Prof	05/02/2010	05/02/2010	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	YES	YES	Regular
5	MITTAGANAPULA RAJITHA	M.Tech	JNT UH	2015	Asst. Prof	Asst. Prof	10/12/2015	10/12/2015	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
6	SOMA USHA	M.Tech	JNT UH	2014	Ass t. Prof	Asst prof	02/03/2015	02/03/2015	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
7	MEKALA VIJETHA	M.Tech	JNT UH	2015	Ass t. Prof	Asst. Prof	10/12/2015	10/12/2015	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
8	BACHHU PRAVEEN KUMAR	M.Tech	JNT UH	2016	Asst prof	Asst Prof	18/03/2016	18/03/2016	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular

9	INTI SURYASHEKAR	M.Tec h	JNT UH	201 4	Ass t. Prof	Asst. Prof	02/01/2015	02/01/2015	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
10	UMMMINENI RAJASREE	M.Tec h	JNT UH	201 6	Asst prof	Asst Prof	07/11/2016	07/11/2016	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
11	ADUSUMILLI LAKSHMI TEJA	M.Tec h	JNT UH	201 2	Asst prof	Asst Prof	10/03/2016	10/03/2016	C.S.E	COMPUTER NETWORKS	0	NO	NO	YES	Regular
12	SOMU JYOTHNA	M.Tec h	JNT UH	201 6	Asst prof	Asst Prof	09/02/2017	09/02/2017	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	Regular
13	A NANDDINI SREE	M.Tech	JNTUH	2017	Asst prof	Asst Prof	01/06/2017	01/06/2017	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	YES	REGULAR

14	K.LAXMAIAH	M.Tech	JNTUH	2009	Asst prof	Asst Prof	16/06/2017	16/06/2017	C.S.E	DIGITAL SYSTEMS & COMPUTER ELECTRONICS	0	NO	NO	YES	Regular
15	RAGIREDDY SRUTHI	M.Tech	JNTUH	2014	Asst prof	Asst Prof	12/03/2015	12/03/2015	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	NO	Regular
16	KUMBHAM JHANSI	M.Tech	JNTUH	2014	Asst prof	Asst Prof	10/03/2015	10/03/2015	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	NO	Regular
17	YERRA NAVAJYOTHI	M.Tech	JNTUH	2015	Asst prof	Asst Prof	12/10/2015	12/10/2015	C.S.E	COMPUTER SCIENCE ENGINEERING	0		NO	NO	Regular
18	SANGISETTY SWATHI	M.Tech	JNTUH	2016	Asst prof	Asst Prof	02/12/2016	02/12/2016	C.S.E	COMPUTER SCIENCE ENGINEERING	0		NO	NO	Regular
19	K SUMANA	M.Tech	JNTUH	2016	Asst prof	Asst Prof	04/03/2016	04/03/2016	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	NO	Regular
20	KANAMARLAPUDI	M.Tech	JNTUH	2013	Asst	Asst Prof	01/07/2014	01/07/2014	C.S.E	COMPUTER SCIENCE	0	NO	NO	NO	Regular

	SRINIVASA RAO				prof					ENGINEERING				
21	DR.POTLURI PANDARINATH	PHD p.hD	ANU	2005	Ph.D	Prof	02/11/2014	02/11/2014	C.S.E	COMPUTER SCIENCE ENGINEERING	6	NO	NO	NO	Regular
22	DR.P PRABHAKARAN	Ph.D	Manon maniam Sundar anar	2012	Asst prof	Prof	27/02/2017	27/02/2017	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	NO	Regular
23	DR.HARENDRA SINGH	Ph.D	SUNRIS E	2012	Asst prof	Assoc Prof	06/02/2017	06/02/2017	C.S.E	COMPUTER SCIENCE ENGINEERING	0	NO	NO	NO	Regular
24	DR.P KARUNAKAR REDDY	P.hD	Manon maniam sundara nar	2015	Ph.D	Assoc. Prof	23/02/2017	23/02/2017	C.S.E	COMPUTER SCIENCE ENGINEERIN G	0	NO	NO	YES	Regular

Table B.5-3

Note: Please provide details for the faculty of the department, cumulative information for all the shifts for all academic years starting from current year in above format in Annexure - II.

5.1 Student-Faculty Ratio (SFR)(20)

(To be calculated at Department Level)

No. of UG Programs in the Department (n) : 1

No. of PG Programs in the Department (m): 1

No. of Students in UG 2nd Year= u1

No. of Students in UG 3rd Year= u2

No. of Students in UG 4th Year= u3

No. of Students in PG 1st Year= p1

No. of Students in PG 2nd Year= p2

No. of Students = Sanctioned Intake + Actual admitted lateral entry students

(The above data to be provided considering all the UG and PG programs of the department)

S=Number of Students in the Department=UG1+UG2+…+UGn+PG1+ PGn

F = Total Number of Faculty Members in the Department (excluding first year faculty)

Student Teacher Ratio (STR) = S / F

Year	CAY	CAYm1	CAYm2
u1.1	60+3	60+4	60+2
u1.2	60+4	60+2	60+3
u1.3	60+2	60+3	60+1

UG1	u1.1+u1.2+u1.3 =189	u1.1+u1.2+u1.3 =189	u1.1+u1.2+u1.3=189
p1.1	36	36	36
p1.2	36	36	36
PG1	p1.1+p1.2=72	p1.1+p1.2=72	p1.1+p1.2=72
Total No. of Students in the Department (S)	UG1+ PG1 =261	UG1 + PG1 =261	UG1+ PG1=258
No. of Faculty in the Department (F)	F1=21	F2=21	F3=20
Student Faculty Ratio (SFR)	SFR1=S1/F1= 12.43	SFR2=S2/F2= 12.43	SFR3=S3/F3= 12.90
Average SFR	SFR=(SFR1+SFR2+SFR3)/3=12.59		

Table B.5.1

STUDENT FACULTY RATIO MARKS : 20

Note: Marks to be given proportionally from a maximum of 20 to a minimum of 10 for average SFR between 15:1 to 25:1, and zero for average SFR higher than 25:1. Marks distribution is given as below:

< = 15 - 20 Marks
< = 17 - 18 Marks
< = 19 - 16 Marks
< = 21 - 14 Marks
< = 23 - 12 Marks
< = 25 - 10 Marks
> 25.0 - 0 Marks

Minimum 75% should be Regular/ full time faculty and the remaining shall be Contractual Faculty as per AICTE norms and standards.

The contractual faculty (doing away with the terminology of visiting/adjunct faculty, whatsoever) who have taught for 2 consecutive semesters in the corresponding academic year on full time basis shall be considered for the purpose of calculation in the Student Faculty Ratio.

	Total number of regular faculty in the department	Total number of contractual faculty in the department
CAY	21	0
CAYm1	21	0
CAYm2	20	0

Table 5.1.1

Average SFR for three years: 12.84

Assessment SFR :20

5.2 Faculty Cadre Proportion(25)

The reference Faculty cadre proportion is 1(F1):2(F2):6(F3)

F1: Number of Professors required = 1/9 x Number of Faculty required to comply with 15:1 Student-Faculty ratio based on no. of students (N) as per 5.1

F2: Number of Associate Professors required = 2/9 x Number of Faculty required to comply with 15:1 Student-Faculty ratio based on no. of students (N) as per 5.1

F3: Number of Assistant Professors required = 6/9 x Number of Faculty required to comply with 15:1 Student-Faculty ratio based on no. of students (N) as per 5.1

Year	Professors		Associate Professors		Assistant Professors	
	Required F1	Available	Required F2	Available	Required F3	Available
CAY	1	2	2	4	8	15
CAYm1	1	2	2	4	8	15
CAYm2	1	2	2	3	8	15
Average Numbers	RF1=1.00	AF1=2.00	RF2=2.00	AF2=3.67	RF3=8.00	AF3=15.00

Table B.5.2.

Cadre Ration Marks=
[(AF1/RF1)+[(AF2/RF2)*0.6]+[(AF3/RF3)*0.4]]*12.5
=[(2.00/1.00)+[(3.67/2.33)*0.6]+[(15.00/8.00)*0.4]]*12.5
=[2.00+1.10+0.75]*12.5
=48.12
Faculty Cadre Proportion Marks =25

- If AF1 = AF2= 0 then zero marks
- Maximum marks to be limited if it exceeds 25

Example: Intake = 60 (i.e. total no. of students= 180); Required number of Faculty: 9; RF1= 1, RF2=2 and RF3=6

Case 1: AF1/RF1= 1; AF2/RF2 = 1; AF3/RF3 = 1; Cadre proportion marks = (1+0.6+0.4) x 12.5
= 25

Case 2: AF1/RF1= 1; AF2/RF2 = 3/2; AF3/RF3 = 5/6; Cadre proportion marks = (1+0.9+0.3) x
12.5 = limited to 25

Case 3: AF1/RF1=0; AF2/RF2=1/2; AF3/RF3=8/6; Cadre proportion marks = (0+0.3+0.53) x 12.5 = 10.4

5.3 Faculty Qualification(25)

FQ =2.5 x [(10X +4Y)/F)]

where x is no. of regular faculty with Ph.D.,

Y is no. of regular faculty with M.Tech.

F is no. of regular faculty required to comply 20:1 Faculty Student ratio (no. of faculty and no. of students required are to be calculated as per 5.1)

Years	X	Y	F	FQ=2.5 x [(10X +4Y)/F)]
CAY	6	15	13	23.08
CAYm1	6	15	13	23.08
CAYm2	5	15	13	21.15
Average Assessment				22.46

Table B.5.3

5.4 Faculty Retention (25)

Description	2019-20	2020-21
No.of Faculty retained	19	18
Total No.of Faculty	20	20
% of Faculty Retained	95	90

Average: 92.9

Assessment Marks: 25

ITEM (% of faculty retained during the period of assessment keeping CAYm3 as base year)	Marks
>=90% of required Faculty members retained during the period of assessment keeping CAYm3 as base year)	25
>=75% of required Faculty members retained during the period of assessment keeping CAYm3 as base year)	20
>=60% of required Faculty members retained during the period of assessment keeping CAYm3 as base year)	15
>=50% of required Faculty members retained during the period of assessment keeping CAYm3 as base year)	10
<50% of required Faculty members retained during the period of assessment keeping CAYm3 as base year)	0

Table B.5.4

5.5 Innovations by the Faculty in Teaching and Learning

Tower of Hanoi Problem using Physical demonstration(20)

The Tower of Hanoi (also called the Tower of Brahma or Lucas' Tower and sometimes pluralized as Towers) is a mathematical game or puzzle. It consists of three rods and a number of disks of different sizes, which can slide onto any rod. The puzzle starts with the disks in a neat stack in ascending order of size on one rod, the smallest at the top, thus making a conical shape.

The objective of the puzzle is to move the entire stack to another rod, obeying the following Simple rules:
1. Only one disk can be moved at a time.
2. Each move consists of taking the upper disk from one of the stacks and placing it on top of another stack or on an empty rod.
3. No larger disk may be placed on top of a smaller disk.

With 3 disks, the puzzle can be solved in 7 moves. The minimal number of moves required to
solve a Tower of Hanoi puzzle is $2^n - 1$, where n is the number of disks.

Lecture Method and Interactive Learning:

An interactive lecture is an easy way for instructors to intellectually engage and involve students as active participants in a lecture-based class of any size. The faculty use chalk and board and audio visual aids in teaching .Students are also encouraged to actually interact during the lecture hour by getting the droughts' clarified on the spot.

Project Based Learning:

During the period of study in the 6th to 8th semester, many real time projects are given to the students and they are guided by both faculty and Industry/Research personnel.

Computer Assisted Learning:

The College has required number of computers, printers, LCD projectors, Application and system software .These are effectively used for teaching. SMART Class Room: Smart classrooms are technology enhanced classrooms that foster opportunities for teaching and learning. Faculties are using SMART class room to provide interactive session. Projector is used for demonstration, video (NPTEL), audio of classes. Following are some additional pedagogical initiatives taken by the department in addition to Chalk &Talk, Lectures, assignments,

- Power Role Play
- point presentation, tutorials; Group assignments and project
- E-tutorial
- Lecture interspersed with discussions among students

Analogy with live examples from industries and surroundings

Working model/Visual charts/ videos

Interactive learning is achieved by the use of Classrooms aided with LCD projectors to play NPTEL videos, webinars etc.

Content Based Question Making: Students are made to develop Questions Based on the topic and then taught accordingly how to answer the questions

Video Based Student Enhancement: Application videos of the topics are showed, based on which students get a real life exposure of the scenario where the concepts they have learned is Applied Simulated Software Based Learning: Topics are simulated using software tools by which the students can directly relate to the topics being taught

E-based Link Exposure: The links are provided for the students where they can do self study or go for in depth knowledge of any topics

Animated Method of Learning: Concepts hard to visualize are taught using Animations

Role Playing: For easy understanding the students are made into various formations like block diagrams or components etc

Brainstorming: The students are made to discuss the topics before starting and the lectures are based on the discussions made

Innovations by the Faculty in teaching and learning shall be summarized as per the following description. Contributions to teaching and learning are activities that contribute to the improvement of student learning. These activities may include innovations not limited to, use of ICT, instruction, delivery, instructional methods, assessment, evaluation and inclusive class rooms that lead to effective, efficient and engaging instruction. Any contributions to teaching and learning should satisfy the following criteria:

- The work must be made available on Institute website
- The work must be available for peer review and critique
- The work must be reproducible and developed further by other scholars

The department/institution may setup appropriate processes for making the contributions available to the public, getting them reviewed and for rewarding. These may typically include statement of clear goals, adequate preparation, use of appropriate methods, and significance of

results, effective presentation and reflective critique

Faculty in the Institution prioritize best teaching practices and employ all possible teaching learning methodologies for effective delivery. Teaching community incorporates all sort of activities to enhance student learning. These activities include

Usage of LMS: It enables students learn better by increasing their engagement in class room activities.

Technology facilitates self-learning

Useful in assessment and evaluation

A platform for Student Teacher interface

Laboratory Teaching Method: Students learn through investigations, conduct experiments, observations, process/apply theories.

Theory verified by practical approach using data acquisition systems in the analysis

Develops the power of observation and reasoning

Learn to handle instruments

Improves technical writing

Active Learning Methods:

- An effective approach for enhanced learning through student engagement
- Collaborative Learning
- Flipped Classrooms
- Project Based Learning
- Activity Based Learning
- Blended Learning
- Brainstorming
- Case studies
- Micro Projects

ICT Enabled Classrooms: Usage of presentation techniques such as video lectures, power point presentations.

Self-Learning: It is important to identify one's learning goals to engage themselves in self-directed learning. Students are encouraged to involve studying without direct supervision of course instructors. Students are enrolled in number of Massive Courses and attend webinars. Mentors monitor their learning process.

Students are motivated towards self-directed learning through

- Student Seminar
- Workshops
- Conferences
- Industrial Visits
- Invited Talks
- Tech Talks
- Digital Library
- E-Journals

5.6 Faculty as participants in Faculty development/ training activities/STTPs (15)

- A Faculty scores maximum five points for participation
- Participation in 2 to 5 days Faculty development program:3 Points

Name of the Faculty	Max 5 per faculty		
	2019-2020	2018-2019	2017-18
N.Lakshmi Priya	5.00	3.00	5.00
K.Venkat Ramana	3.00	0.00	0.00
P.Karunakar Reddy	3.00	5.00	3.00
K.V.Srinivasa Rao	0.00	0.00	3.00
K.Jhansi	0.00	0.00	3.00

K G N.Venkateshan	3.00	0.00	0.00
CH.Suresh kumar	3.00	3.00	3.00
K.LAXMAIAH	3:00	0.00	3.00
N SANDHYA	3:00	0.00	3.00
M.VIJETHA	3:00	3:00	3.00
B.PRAVEEN KUMAR	3:00	3:00	3.00
I SURYA SHEKHAR	3:00	3:00	3.00
U.RAJASREE	3.00	3.00	3.00
S.USHA	3.00	3.00	3.00
Sum	38	26	38
RF = Number of Faculty required to comply with 15:1 Student Faculty Ratio as per 5.1	12.43	12.90	12.90
Assessment [3*(Sum / 0.5RF)]	18.34	12.09	17.67

- Average assessment over 3 years(2019-20, 2018-19 & 2017-18): 16.03

5.7 Research and Development(30)

5.7.1.Academic Research (10)

Academic research includes research paper publications, Ph.D. guidance, and faculty receiving Ph.D. during the assessment period.

- Number of quality publications in refereed/ SCI Journals, citations, Books/Book Chapters etc.(6)
- Ph.D. guided /Ph.D. awarded during the assessment period while working in the institute (4) All relevant details shall be mentioned.

Number of quality publications in refereed/ SCI Journals, citations, Books/Book Chapters etc.(6)

S.NO	Name of The Staff	Title of The Paper	JOURNAL	Volume No, Issue No & ISSN/ISBN No	Year of the journal
1	Dr. P L K SRAVANTHI	Credit Card Transactions Data Adversarial Augmentation in the Frequency Domain	International Journal of Analytical and Experimental Model Analysis	ISSN NO: 0886-9367	2021
		Crime Analysis Mapping, Intrsion Detection – Using Data Mining	International Journal of Analytical and Experimental Model Analysis	ISSN NO: 0886-9367	2021
		Multi-Trafic ScenePerception Based on Supervised Learning	International Journal of Analytical and Experimental Model Analysis	ISSN NO: 0886-9367	2021
		Characterizing and Predicting Early Reviewers for Effective Product Marketing on E-Commerce Websites	International Journal of Analytical and Experimental Model Analysis	ISSN NO: 0886-9367	2019
		An Efficient and Effective	International	ISSN	2019

		Data Quality Management in Health Sector	Journal of Advanced Trends in Computer Science and Engineering	NO:2278-3091	
		DESIGNING EFFICIENT MAPREDUCE AND STREAMING ALGORITHMS TO SOLVE THE PROBLEMS ON DISC SYSTEMS	International Journal in IT and Engineering	ISSN(P): 2349-6525	2017
		EVALUATION OF T.REX EXTRACTS SEVERAL SIGNALS FROM THE REAL-TIME WEB TO PREDICT USER INTEREST	International Journal of Research in Engineering and Applied Sciences	ISSN: 2320-0294	2017
		EMERGING PARADIGMS FOR ANALYZING, PROCESSING AND MAKING SENSE OF LARGE HETEROGENEOUS DATASETS	International Journal of Engineering, Science and Mathematics	ISSN: 2321-1776	2016
2	K.LAXMAIAH	A User-Centric Machine Learning Framework for Cyber Security Operations Center	International Journal of Analytical and Experimental Model Analysis	ISSN NO: 0886-9367	2021
		An efficient energy lifetime enhancement using node balancing approach	International journal of Engineering and Technology	Vol 7, No 2.19 (2018): Special Issue 19, March,	2018

				2018	
		Secure Data Packet transmission over Wireless Sensor Network using security Architecture	Journal of Advanced research in Dynamical Control Systems (JARDCS)	Special Issue 2, march,2018	2018
		Supporting Privacy Protection in Personalized Web Search	International journal & Magazine of Engineering, Technology, Management and Research	Vol.2 Issue08, August, 2015	2015
		Distributed and Independent Access to Encrypted Cloud Databases	International journal & Magazine of Engineering, Technology, Management and Research	Vol.2 Issue08, August, 2015	2015
		Equal Workload Distribution tree Construction Algorithm for Wireless Sensor Networks	International journal of Current Research	Vol.6 Issue03, pp.5684 -5691,	2014
3	N LAKSHMI PRIYA	Dealing With Concept Drifts in Process Mining	International Journal & Magazine of Engineering, Technology, Management and Research	ISSN No: 2348-4845	2015
		Scalable Distributed Service Integrity Attestation for Software-as-a-Service Clouds	International Journal & Magazine of Engineering, Technology,	ISSN No: 2348-4845	2015

			Management and Research		
4	I SURYASHEKHAR	Designing Secure and Efficient Biometric-Based Secure Access Mechanism for Cloud Services	International Journal of Research	ISSN NO:2236-6124	2021
5	CH.RUDHRAMA DEVI	Pattern-Growth- Based Exploratory Visual Sequence Mining	International Journal of Analytical and Experimental Model Analysis	ISSN NO: 0886-9367	2021
		Trust-Based Privacy_ Preseving Photo Sharing in online Social Networks	International Journal of Research	ISSN NO:2236-6124	2021
6	CH.SURESH KUMAR	Materialized View Maintenance Methods And Performance Evaluation	IJAST ISSN:2005-4283	ISSN:2005-4283	2020
		Overcome of Router/ Gateway Problems in wireless networks	International Journal on Advance Computer Theory and Engineering.	ISSN: 2319-2526	2013
		Good Requirements Collection for Better Software Project	IJCST	ISSN : 0976-8491	2013
		Fast Track Technique for Software Testing and Quality Assurance Practice in Project Development Life Cycle	International Journal on Advanced Computer Theory and Engineering",	ISSN: 2319-2526	2012

		Addiction of Computer is Sabotage to human Life	international journal on Advanced Computer Theory and Engineering",	ISSN: 2319-2526	2012
7	Dr.G SAMBASIVA RAO	A User-Centric Machine Learning Framework for Cyber Security Operations Center	International Journal of Research	ISSN NO: 2236-6124	2019
		Concept of Routing Strategy for Enhancement in Wireless Network	IJIRT	ISSN NO : 2349-6002	2018
		Authentification of Certificate in Network by using Unique Sign-on Algorithm	IJIRT	ISSN NO : 2349-6002	2018
8	Dr. K VENKATA RAMANA	A Network-based Spam Detection Framework for Reviews in Online Social Media	Journal of Applied Science and Computations	ISSN NO: 1076-5131	2018
		Concept of Routing Strategy for Enhancement in Wireless Network	IJIRT	ISSN NO : 2349-6002	2018
		Authentification of Certificate in Network by using Unique Sign-on Algorithm	IJIRT	ISSN NO : 2349-6002	2018
9	Dr.K.VENKATESHAN	An Effective Differential Privacy For Hospital Data Using MCDB Scan	International Journal of Research	ISSN NO: 2236-	2019

				6124	
		Concept of Routing Strategy for Enhancement in Wireless Network	IJIRT	ISSN NO : 2349-6002	2018
		Authentification of Certificate in Network by using Unique Sign-on Algorithm	IJIRT	ISSN NO : 2349-6002	2018
10	Dr.K.KARUNAKAR REDDY	Concept of Routing Strategy for Enhancement in Wireless Network	IJIRT	ISSN NO : 2349-6002	2018
		Authentification of Certificate in Network by using Unique Sign-on Algorithm	IJIRT	ISSN NO : 2349-6002	2018

CITATIONS:

s.no	name	Title	Year
1	P L K SRAVANTHI	MEDICAL DETECTION USING MACHINE LEARNING TECHNIQUES AND DEEP LEARNING	2019

Ph.D. guided /Ph.D. awarded during the assessment period while working in the institute

1. DR.NARENDRUNI LAKSHMI PRIYA, Associate Professor has received her Ph.D. during the academic year 2017-2018.
2. DR.P L K SRAVANTHI, Associate Professor has received her Ph.D. during the academic year 2019- 2020.

5.7.2 Sponsored Research (5)

Funded research:

(Provide a list with Project Title, Funding Agency, Amount and Duration) Funding amount (Cumulative during three academic years):

Amount >20 Lacs – 5Marks

Amount >= 16 Lacs and<=20 lacs– 4 Marks

Amount >= 12 Lacs and< 16 lacs– 3 Marks

Amount >=8 Lacs and <12 lacs– 2 Marks

Amount >=4 Lacs and < 8 lacs – 1 Mark

Amount <4 Lacs– 0 Mark

The college has not derived any Sponsored Research projects from outside; however, The Management has taken an initiative to provide seed funding for the students and post graduate researchers at institutional levels of their own funds. The following are the details:

Seed funds allotted for the year 2018-2019

S. No	Allotted seed fund
1	Rs. 550000

Seed funds allotted for the year 2017-2018

S. No	Allotted seed fund
1	Rs. 550000

Seed funds allotted for the year 2016-2017

S. No	Allotted seed fund
1	Rs. 570000

Seed funds allotted for the year 2015-2016

S. No	Allotted seed fund
1	Rs. 530000

5.7.3 Development Activities(10)

Research Laboratories

Instructional materials

S.No	Details
1	Smart Class(Multimedia Projector)
2	Lab Manual
3	NPTEL videos
4	Assignments
5	PPT

Working models/ charts/ monogrammed:

S.No	Details
1	Animations
2	Lab Description Charts
3	Lab Manuals

5.7.4 Consultancy (from Industry)(5)

(Provide a list with Project Title, Funding Agency, Amount and Duration)

Funding amount (Cumulative during three academic years):

Amount >10 Lacs – 5Marks

Amount >=8 Lacs and <= 10 lacs– 4 Marks

Amount >=6 Lacs and < 8 lacs – 3 Marks

Amount >=4 Lacs and < 6 lacs – 2 Marks

Amount >=2Lacsand < 4 lacs – 1 Mark

Amount <2 Lacs– 0 Mark

2019-2020

Project Title	Duration	Funding Agency	Amount
WEB APPLICATION	1 year	EFFECTRONICS	200000/-
WEB APPLICATION	1 year	RK INFO SYSTEM	150000/-

2018-2019

Project Title	Duration	Funding Agency	Amount
APLICATION FOR RESULT ANALYSIS	1 year	SRM SCHOOL	200000/-
WEB APPLICATION	1 year	RK INFO SYSTEM	150000/-

2017-2018

Project Title	Duration	Funding Agency	Amount
WEB APPLICATION	1 year	RK INFO SYSTEM	200000/-
WEBSITE DEVELOPMENT AND MAINTANANCE	1 Year	EFFECTRONICS	100000/-

2016-2017

Project Title	Duration	Funding Agency	Amount
WEBSITE DEVELOPMENT AND MAINTANANCE	1 year	VERTULONIX	200000/-
WEBSITE DEVELOPMENT AND MAINTANANCE	1 year	SRM SCHOOL	100000/-

5.8 Faculty Performance Appraisal and Development System (FPADS) (30)

Faculty members of Higher Educational Institutions today have to perform a variety of tasks pertaining to diverse roles. In addition to instruction, Faculty members need to innovate and conduct research for their self-renewal, keep a breast with changes in technology, and develop expertise for effective implementation of curricula. They are also expected to provide services to the industry and community for understanding and contributing to the solution of real life problems in

industry. Another role relates to the shouldering of administrative responsibilities and co-operation with other Faculty, Heads-of-Departments and the Head of Institute. An effective performance appraisal system for Faculty is vital for optimizing the contribution of individual Faculty to institutional performance.

The assessment is based on:

- A well-defined system for faculty appraisal for all the assessment years (10)
- Its implementation and effectiveness (20)

A well-defined system for faculty appraisal for all the assessment years

(i)Faculty Self Assessment – A format is being provided which the faculty has to fill twice every year

(ii)Departmental Assessment Committee – It assess results after every end semester exams

(iii)Feedbacks from Students – Discussion with student representatives and gets feedbacks about every individual faculty monthly once

Faculty Self Assessment:-

(i)Implementation: - The faculty fills a form by which he can know what all shortcomings he has done in teaching a particular subject

(ii)Effectiveness: - The faculty hence becomes aware so as not to repeat the same thing again, as well as it helps him to cover the subject effectively in the coming semesters

Departmental Assessment Committee

(i)Implementation:-The End semester results are assessed using various criteria"s as well as compared with the internal exams conducted

(ii)Effectiveness:-This helps a faculty to motivate and help students to improve in the subject

Feedbacks from Students

(i) Implementation:-Every month a meeting is held with the students committee

Kakatiya Educational Society's
Kodada Institute of Technology & Science for Women
(Approved by AICTE, New Delhi, Affiliated to JNTU, Hyderabad)
Near Rangani Gudi, Ananthagiri Road, Kodada, Nalgonda Dist. - 508 206.

FACULTY SELF APPRAISAL FORM

1. Name **:**

2. Designation :

3. Department **:**

ACADEMIC WORKS

4. Progress Report for the Academic Year : Odd / Even Sem

Particulars	Annual/Semester I		Annual/Semester II	
	Subject 1	Subject 2	Subject 1	Subject 2
Subject Title				
% of Syllabus Covered				
No. of Units Completed				
No. of Periods Conducted				
No of Students Registered				
Percentage of Pass				
Percentage of Fail				
Highest Mark				
Average Mark				
No. of Students Securing > 60%				

5. (a) Type & No. of Innovative methods (Class Room):

(b) Extra Coaching Arranged :

6. Laboratory :

No. of Session Conducted :

No. of Experiments prescribed in the syllabus:

No. of Experiments Completed :

7. List of Seminars / Workshops Attended During this Academic Year

8. List of Research Papers / Articles Published / Presented during the Year

9. List of Sponsorship / Consultancy / Project Work

10. Any other Assignments (Non – Academic Works) pertaining to:

(a)College :

(b)University :

(c)Any other Organization:

11.a) Appreciation / Awards / Recognition earned :

b) Disciplinary Actions faced :

12. Other activities Inside/Outside the campus towards development of self & students

13. Any other Information

14. Whether proficient with the rules, regulations and management systems: Yes ☐ No ☐

15. Leave Details:

Period	CL	Loss of Pay	Number of Late comings

Date :

Signature of the Faculty

(a)REMARKS OF THE HEAD OF THE DEPARTMENT AND POINTS

AWARDED:

(Based on inter personal relationship with faculty members and students, specific contribution to the department etc)

(b)REMARKS OF THE PRINCIPAL AND POINTS AWARDED:

(Based on specific contribution to the institutional and departmental activities, on-time completion etc)

Signature of the HOD

STAFF APPRAISAL – POINTS EARNED:

Students Feedback- 25	University Results- 50	HOD 15	Principal 10	Total 100

Date: Signature of PRINCIPAL

5.9 Visiting/Adjunct/Emeritus Faculty etc. (10)

Adjunct faculty also includes Industry experts. Provide details of participation and contributions in teaching and learning and/or research by visiting/adjunct/Emeritus faculty etc. for all the assessment years:

- Provision of inviting/having visiting/adjunct/emeritus faculty (1)
- Minimum 50 hours per year interaction with adjunct faculty from industry/retired professors etc.

(Minimum 50 hours interaction in a year will result in 3 marks

for that year;3 marks x 3 years=9 marks)

Inviting Faculty for Guest Lecturers

SNO	NAME	Place of Work	Hours	TOPIC
20-21	1.V.Ramarao	Gate engineering College	14	Database Management System
	2.K.V.Srinivasa Rao	Anurag Engineering College	14	Computer networks
	3.B.Chandu	MITS Engg College	14	Software Engineering
	4.Prof G,Charless babu	MallaReddy,Hyd	14	Web Designing
19-20	1.K.Venkat	Svapps soft.sol.warangal	14	Java Programming
	2.Prof G,Charless babu	MallaReddy,Hyd	14	Database Management System
	3.k.Anirudh	Efftronics Ind.Pvt.Vijayawada	14	Computer networks
	4.K.Madan	SAB IT Servies,Vijayawada	14	Web development,SEO
18-19	1.D.Raghu	Tvisha Tech.Hyd	14	Android Tech
	2.K.Venkat	Svapps soft.sol.warangal	14	Web Designing
	3.D.Madhu	DQ Animations,Hyd	14	3D,2D Animations
	4.Prof,K.Venkateswar rao	JNTUH, Hyderabad	14	Cloud Computing
	5.Prof G,Charless babu	MallaReddy,Hyd	7	Database Management System
17-18	1.K.RANGA RAO	Amrodit Tech.hyd	14	BigData Analystic and its applications
	2.N.Prasathi	KioLearn Tech.Hyd	14	Cloud in the context of BigData

	3.k.Anirudh	Efftronics Ind.Pvt.Vijayawada	14	Computer networks
	4.Prof.V.Kamashki prsad	JNTUH,Hyderabad	7	Data Mining
	5.Prof M.chandramohan	JNTUH,Hyderabad	7	Design Patterns
	6.K.Madan	SAB IT Servies,Vijayawada	14	Web development,SEO
16-17	1.M.RadhaKrishna	Amrodit Tech.hyd	14	IOT and its methodologies
	2.M.SaiSateesh	Indian Servers,Vijayawada	14	Ethical Hacking Cyber security
	3.K.Jayanthi	GreenBuds,Vijayawada	14	Ajax,JAVA
	4.Prof K.Nareshyadav	Jntuh,Hyderabad	14	C programming and DataStrucures
	5.A.VinayaBabu	Jntuh,Hyderabd	7	Software Engineering

CRITERION 6	FACILITIES AND TECHNICAL SUPPORT	80

6.1 Adequate and well equipped laboratories, and technical manpower(30)

Sr. No	Name of the Laboratory	Number of students per set up(Batch Size)	Name of the Important Equipment	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification

1	COMPUTER LAB-I Room No:AG10	60	Computers- Make: Acer Processor : Intel(R) Core 2 duo Ram:2 GB Storage: 320GB Count:30 Make: Zebronic Processor : Intel(R) Core 2 duo Ram:1 GB Storage: 160 GB Count:30 Monitors Make: Acer Count:60 Total No. of Systems-60 Softwares: GCC Compiler,open office, UPS -1 (20KV) Projector with Screen and Audio System Number of Air Conditioners:2 All Systems are Connected in LAN with 100 mbps internet connectivity	Total No. of Hours –12 hrs/week for SEM-1- Total No. of Hours –9 hrs/week for SEM- II	T.GODADEVI	Programmer	B.Tech

2	COMPUTER LAB-II Room No.A208	60	Computers- Make: DELL Processor : Intel(R) Core(TM) i5- Ram:4 GB Storage: 500 GB Count:60 Monitors Make: Acer Count:60 Total No. of Systems-60 Softwares: GCC Compiler,open office,MYSQL,ECLIPSE,JDK 1.7, UML Graph,Tomcat,Orange Number of Air Conditioners:2 UPS -1 (20KV) Projector with Screen and Audio System All Systems are Connected in LAN with 100 mbps internet connectivity	Total No. of Hours- 15 hrs/week for semester-I Total No. of Hours- 9 hrs/week for semester-II	G.Srividhya	Programmer	B.Tech
3	COMPUTER LAB-III Room No:A207	60	Computers- Make: DELL Processor : Intel(R) Core(TM) i5- Ram:4 GB Storage: 500 GB Count:60 Monitors Make: Acer	Total No. of Hours- 12 hrs/week for semester-1 Total No. of Hours- 6hrs/week for	CH.Prathiba	Programmer	B.Tech

			Count:60 Total No. of Systems-60 Softwares: GCC Compiler,open office,MYSQL,ECLIPSE,JDK 1.7, UML Graph,Tomcat,Orange Number of Air Conditioners: 2 UPS -1 (20KV) Projector with Screen and Audio System All Systems are Connected in LAN with 100 mbps internet connectivity	semester-II			
4	PROJECT LAB Room No:A204	30	Computers- Make: DELL Processor : Intel(R) Core(TM) i5- Ram: 8 GB Storage: 500 GB Count:30 Monitors Make: Dell Count:30 Total No. of Systems-30 Softwares: GCC Compiler,open office, MYSQL,ECLIPSE,JDK1.7, UML Graph,Tomcat,Orange Number of Air Conditioners: 1 UPS -1 (20KV) Projector with Screen and Audio System All Systems are Connected in LAN with 100 mbps internetconnectivity	Total No. of Hours- 27 hrs/week for semester-II	U.Kavya	Programmer	B.Tech

5	IT WORKSHOP LAB Room No:A107	30	Components: Cabinet, Mother Board ,Processors ,Ram ,Hard Disk ,DVD Drive ,Hard Disk Cables(SATA&IDE) ,SMPS ,Power Cables ,Key Board ,Mouse, Monitors Projector with Screen	Total No. of Hours- 6 hrs/week for semester-I	M.Ramesh	Hardware	Degree
6	ENGLISH LAB Room No:AG5	60	Computers- Make: Acer Processor : Intel(R) Core 2 duo Ram: 1 GB Storage: 80 GB Count:60 Monitors Make: CompaQ Count:60 Total No. of Systems-60 Softwares: K'VAN, Open Office Number of Air Conditioners: 2 UPS -1 (20KV) Projector with Screen and Audio System All Systems are Connected in LAN with 100 mbps internet connectivity	Total No. of Hours- hrs/week for semester-II:9/week,semister- I:30/week	N.Nagaraju	Assistant Professor	MA(ENGLISH)

6.2 Additional facilities created for improving the quality of learning experience in laboratories(25)

Sr. No	Facility Name	Details	Reason(s) for creating facility	Utilization	Areas in which students are expected to have enhanced learning	Relevance to POs/PSOs
1	COMPUTER CENTRE	Online Platform with bundle of resources on Aptitude, Communication Skills, C Programming, Python, Java, Web Design Tools and other abreast technologies NPTEL (National Program on Technology Enhanced Learning) is a joint initiative of the IITs and IISc. Through	1. To empower students to become industry ready by the blend of Aptitude as well latest computer science technologies. 2. Induces	All Students	All courses	PO1,PO2,PO3,PO4,PO9,PO12,PSO1,PSO2

		this initiative various certification courses are offered online www.onlinecourses.nptel.ac.in TASK(Telangana Academy for SkillsS&knowledge): collaborate with task and organizing different Skills development programs	the interest and enthusiasm in learning. Free Registration for all the available courses and nominal fee for certification. 3.To empower students to become industry blendoflatest technologies in computer science and To full fill industry requirements			

2	Project facility	Make: DELL Processor : Intel(R) Core(TM) i5- Ram: 8 GB Storage: 500 GB Softwares: GCC Compiler,open office,MYSQL,ECLIPSE,JDK1.7, UML Graph,Tomcat,Orange All Systems are Connected in LAN with 100 mbps internet connectivity	To do B,Tech Projects	B.Tech3rd year,4th year Students	Students and staff	PO1,PO2,PO3,PO4,PO5,PO9,PO10,PO12, PSO1,PSO2,PSO3
3	Digital library	Having collection of E-Books, Reference Books, Journals, Project / seminar reports.	1.To meet the needs of the students 2.To refer advanced information for seminar, laboratory, projects 3. To know about the	All Students and staff	Students and staff can refer text book and have a better understanding of subjects, preparing notes.	PO1,PO2,PO3,PO4,PO9,PO12,PSO1, PSO2,PSO3

			past publications			
4	Department Library	Having collection of Text Books, Reference Books, Journals, Project / seminar reports.	1.To meet the needs of the students 2.To refer advanced information for seminar, laboratory, projects 3.To know about the past Projects activities undertaken by the students	Department Students and staff	Students and staff can refer text book and have a better understanding of subjects, preparing notes.	PO1,PO2,PO3,PO4,PO9,PO12,PSO1, PSO2,PSO3
5	Seminar hall	Having College and department seminar halls with Well equipped audio	Conducting 1.Semina	All Students	Students will get exposure to various	All POs and PSOs

		systems , projector with screen, dais with podium and air- conditioning seminar halls	rs 2.worksh ops 3.Confere nces		technologi es	
6	NPTEL ROOM	NPTEL (National Programme on Technology Enhanced Learning) is a joint initiative of the IITs and IISc. Through this initiative various certification courses are offered online www.onlinecourses.nptel. ac.in	1.Induces the interest and enthusiasm in learning. Free Registration for all the available courses and nominal fee for certification 2.Easy to Learn from the experts 3.Get Certificates based on one's performance	All Student s	All courses	PO1,PO2,PO3,PO4,PO12,PSO1,PSO2, PSO3

6.3 LABORATORIES: MAINTENANCE AND OVERALL AMBIANCE(10) :

Maintenance:

1.Do's and Don'ts and Safety measures rules are displayed in each laboratory.

2.Qualified Technical Staff are available for maintenance of Hardware and Software.

3.Department is having 20 KV UPS power backup in Computer Labs..

4.College is having internet connectivity **(100 Mbps)** and Wi-Fi access for Students and Faculty.

5.The labs do have good ambience as the PCs are arranged in a way that students can feel comfortable while using them.

6.Doing Computer maintenance(Software and hardware) regularly by Technician .

Ambiance:

1.Department Laboratories have sufficient furniture and with adequate storage space, and equipment to cater to the UG courses as per curriculum requirements.

2.Lab Tables and Chairs / Stools are cleaned and maintained regularly.

3.Department has experienced faculty to educate them in all the fields of engineering.

4.Split Air conditioners are installed in the Computer labs.

5.Labs are equipped with sufficient hardware and licensed and free ware software to run program specific curriculum and off program curriculum.

6.Laboratory manuals are available in all the laboratories.

7.Sufficient numbers of windows are available for ventilation and natural light and every lab has one exit.

8.Lighting system is very effective, along with the natural light in every corner of the rooms.

9.Each Lab is equipped with computer, Internet, and such other amenities.

House Keeping:

Responsibilities of House Keeping Team		
1. Providing House Keeping & Land Scaping Services for Buildings, Lawns, Road Cleaning and other Areas in KITS-W Campus provided. 2.Providing House Keeping Services for Sweeping & Cleaning Services in all buildings by deploying Sweepers and mechanized housekeeping. 3.Providing Services for Road sweeping & cleaning, cleaning of Sewage & Drainage lines, sweeping and cleaning of Lawns and open areas of campus, etc,. 4.Maintenance of lawns, Plants & Hedges, Trees, Cleaning of Light and Scrub Jungle services, etc. Providing services for distribution of Drinking Water in Campus.		
Details of Team In charge and Members		
S.NO	**Team member**	**Designation**
1	P.SAKETH No. of Supporting people:15	House Keeping Supervisor

Table B.6.3 Details of Housekeeping Team and their responsibilities

6.4 PROJECT LABORATORY(5)

1.The department is well equipped with project laboratory which consists of 30 well configured computer systems.

2.All the systems are equipped with latest softwares like GCC Compiler,open office,MYSQL,ECLIPSE,JDK1.7, UML Graph,Tomcat,Orange, and the students have free access to the lab during their project period.

3.All the computers in the lab are connected to the100Mbps internet and the students can browse the internet during the course of project work.

4.During the period of project work the students are assigned respective systems and the lab is being employed regular basis.

S.No	Name of the Laboratory	No. of students per setup (Batch Size)	Name of the Important equipment	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower support		
					Name of the technical staff	Designation	Qualification
4	**PROJECT LAB** **Room No:A204**	**Students per setup:**1 (Batch Size- 30)	**Computers-Make:** DELL **Processor :**Intel(R) Core(TM) i5 **Ram:** 8 GB **Storage:** 500 GB **Mac address:** **Count:**30 **Monitors** **Make:** Dell **Count**:30 **Total No. of Systems-**30 **Softwares:** GCC Compiler,open office,MYSQL,ECLIPSE,JDK1.7, UML Graph,Tomcat,Orange **Number of Air Conditioners**: 2 Projector with Screen **UPS** 20KVA All Systems are Connected in LAN with 100 mbps internet connectivity	**Total No. of Hours-** 27 hrs/week for semester-II	U.Kavya	Programmer	B.Tech

Table B.6.4 Details of Project lab

6.5 Safety measures in laboratories(10)

Sr. No	Laboratory Name	Safety Measures
1	COMPUTING LAB-I Room No.:AG10	1.Fire Extinguishers are kept in Laboratory. 2.All Electrical installations are equipped with earthing and Miniature Circuit Breakers (MCB) 3.Physical Monitoring 4.UPS is available in to avoid power failure 5.Antivirus and firewall 6 .Sufficient numbers of windows are available for ventilation 7.First aid kits are kept in Laboratory 8. Hazard symbols displayed in each lab at Hazard place
2	COMPUTING LAB-II Room No.: A208	1.Fire Extinguishers are kept in Laboratory. 2.All Electrical installations are equipped with earthing and Miniature Circuit Breakers (MCB) 3.Physical Monitoring 4.UPS is available in to avoid power failure 5.Antivirus and firewall 6 .Sufficient numbers of windows are available for ventilation 7.First aid kits are kept in Laboratory 8. Hazard symbols displayed in each lab at Hazard place
3	COMPUTING LAB-III Room No :A207	1.Fire Extinguishers are kept in Laboratory. 2.All Electrical installations are equipped with earthing and Miniature Circuit Breakers (MCB) 3.Physical Monitoring 4.UPS is available in to avoid power failure 5.Antivirus and firewall 6 .Sufficient numbers of windows are available for ventilation 7.First aid kits are kept in Laboratory 8. Hazard symbols displayed in each lab at Hazard place

4	PROJECT LAB Room No.:A204	1.Fire Extinguishers are kept in Laboratory. 2.All Electrical installations are equipped with earthing and Miniature Circuit Breakers (MCB) 3.Physical Monitoring 4.UPS is available in to avoid power failure 5.Antivirus and firewall 6 .Sufficient numbers of windows are available for ventilation 7.First aid kits are kept in Laboratory 8. Hazard symbols displayed in each lab at Hazard place
5	IT WORKSHOP LAB Room No:A107	1.Fire Extinguishers are kept in Laboratory. 2.All Electrical installations are equipped with earthing and Miniature Circuit Breakers (MCB) 3.Physical Monitoring 4.UPS is available in to avoid power failure. 5 .Sufficient numbers of windows are available for ventilation 6.First aid kits are kept in Laboratory 7. Hazard symbols displayed in each lab at Hazard place

CRITERION 7	CONTINUOUS IMPROVEMENT	50

CONTINUOUS IMPROVEMENT

The PO and PSO target values are presented below:

PO/ PSO's	2017-18		2018-19		2019-20		2020-21	
	TARGET	ATTAIN	TARGET	ATTAIN	TARGET	ATTAIN	TARGET	ATTAIN
PO1	1.95	2.137	2.137	2.18	2.22	2.22	**2.22**	**2.14**
PO2	2.01	2.137	2.137	2.209	**2.249**	**2.22**	**2.249**	**2.143**
PO3	1.94	2.145	2.145	2.179	2.219	2.25	**2.25**	**2.164**
PO4	1.83	2.121	**2.121**	**2.082**	2.121	2.17	**2.17**	**2.08**
PO5	1.81	2.1	2.1	2.111	2.131	2.2	2.2	2.22
PO6	1.65	1.912	1.732	1.842	1.962	2.02	**2.02**	**1.9**
PO7	1.7	1.884	1.764	1.784	1.844	2.15	2.15	2.18
PO8	1.82	2.125	**2.125**	**2.008**	2.008	2.19	**2.19**	**2.16**
PO9	1.82	2.098	2.098	2.104	**2.108**	**2.03**	**2.108**	**2.06**
PO10	1.87	2.097	**2.12**	**2.012**	**2.21**	**2.09**	**2.21**	**2.09**
PO11	1.82	2.044	2.004	2.063	2.06	2.06	**2.06**	**1.92**
PO12	1.78	1.971	1.931	2.028	2.028	2.11	**2.11**	**2.05**
PSO1	1.89	2.089	2.089	2.115	2.115	2.23	**2.23**	**2.17**
PSO2	1.94	2.201	2.141	2.202	2.202	2.22	**2.22**	**2.13**
PSO3	1.9	2.131	**2.131**	**2.103**	2.131	2.18	**2.18**	**2.03**

7.1 Actions taken based on the results of evaluation of each of the POs and PSOs (20)

POs Attainment Levels and Actions for Improvement- (2017-18)

PO1: Engineering knowledge			
Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.			
PO#	**Target Level**	**Attainment Level**	**Observations**
PO1	**1.95**	**2.137**	☐ **Target attained**
Action 1: The target for the next assessment year is reset with the attained value (2.137). The POAC suggested mentors to identify the difficult areas of the courses C223 and C423 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO2: Problem analysis			
Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.			
PO2	**2.01**	**2.137**	☐ **Target attained**
Action 1: The target for the next assessment year is reset with the attained value (2.137). The POAC suggested mentors to identify the difficult areas of the courses C423 and C211 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO3: Design/development of solutions			
Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public, health and safety, and the cultural, societal, and environmental considerations.			
PO3	**1.94**	**2.145**	☐ **Target attained**
Action 1: The target for the next assessment year is reset with the attained value (2.145). The POAC suggested mentors to identify the difficult areas of the courses C215 and C211 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO4: Conduct investigations of complex problems			
Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions			
PO4	**1.83**	**2.121**	☐ **Target attained**
Action 1: The target for the next assessment year is reset with the attained value (2.121). The POAC suggested mentors to identify the difficult areas of the			

courses C223 and C215 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO5: Modern tool usage			
Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations			
PO5	**1.81**	**2.1**	☐ **Target attained**
Action 1: The target for the next assessment year is reset with the attained value (2.14). The POAC suggested mentors to identify the difficult areas of the course C423and C215 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO6: The engineer and society:			
Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.			
PO6	**1.65**	**1.912**	☐ **Target attained**
Action 1: The target for the next assessment year is reset with the attained value (1.912). The POAC suggested mentors to identify the difficult areas of the courses C215and C216 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO7: Environment and sustainability			
Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.			
PO7	**1.7**	**1.884**	☐ **Target attained**
Action 1: The target for the next assessment year is reset with the attained value (1.884). The POAC suggested mentors to identify the difficult areas of the courses C215and C223 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO8: Ethics			
Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.			
PO8	**1.82**	**2.125**	☐ **Target attained**
Action 1: The target for the next assessment year is reset with the attained value (2.125). The POAC suggested mentors to identify the difficult areas of the courses C215andC415 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO9: Individual and team work			
Effectively as an individual, and as a member or leader in diverse			

teams, and in multidisciplinary settings.			
PO9	**1.82**	**2.098**	**Target attained**
Action 1: The target for the next assessment year is reset with the attained value (2.098). The POAC suggested mentors to identify the difficult areas of the courses C215and C223 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO10: Communication			
Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.			
PO10	**1.87**	**2.097**	☐ **Target attained**
Action 1: The target for the next assessment year is reset with the attained value (2.097). The POAC suggested mentors to identify the difficult areas of the courses C423 and C215 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO11: Project management and finance			
Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments			
PO11	**1.82**	**2.044**	**Target attained**
Action 1: The target for the next assessment year is reset with the attained value (2.044). The POAC suggested mentors to identify the difficult areas of the courses C423 and223which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO12: Life-long learning			
Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.			
PO12	**1.78**	**1.971**	☐ **Target attained**
Action 1: The target for the next assessment year is reset with the attained value (1.971). The POAC suggested mentors to identify the difficult areas of the courses C215 and C423 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PSOs Attainment Levels and Actions for Improvement- (2017-18)			
PSO1: Computing Techniques			
Apply the knowledge about principles of programming languages, Computer Algorithms, Databases, System Software and Computer Networks for the interconnection.			

PSO1	**1.89**	**2.089**	☐ **Target attained**
Action 1: The target for the next assessment year is reset with the attained value (2.089). The POAC suggested mentors to identify the difficult areas of the courses C323and C423 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PSO2: Computer Product and Application Development			
Interpret and analyze the problem, formulate an efficient hardware and software solution for the real world, socio-industry related problems and needs using computing methodologies and latest technologies.			
PSO2	**1.94**	**2.201**	☐ **Target attained**
Action 1: The target for the next assessment year is reset with the attained value (2.201). The POAC suggested mentors to identify the difficult areas of the courses C423 and C215 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PSO3: Successful Career and Entrepreneurship Perspectives			
Fulfilling desire by attaining Employment, Excel in competitive examinations, Higher studies, Research, and initiate startups.			
PSO3	**1.9**	**2.131**	☐ **Target attained**
Action 1: The target for the next assessment year is reset with the attained value (2.131). The POAC suggested mentors to identify the difficult areas of the courses C323 and C223 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			

POs Attainment Levels and Actions for Improvement- (2018-19)

POs	Target Level	Attainment Level	Observations
PO 1 : Engineering Knowledge			
PO 1	2.137	2.18	Target attained
Action1: The target for the next assessment year is reset with the attained value (2.18).The POAC suggested mentors to identify the difficult are as of the courses C213 and C316 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO 2 : Problem Analysis			
PO 2	2.137	2.209	Target attained

Action 1: The target for the next assessment year is reset with the attained value (2.209). The POAC suggested mentors to identify the difficult areas of the course C215 and C311 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO 3 : Design/development of Solutions			
PO 3	2.145	2.179	Target attained
Action 1: The target for the next assessment year is reset with the attained value (2.179). The POAC suggested mentors to identify the difficult areas of the course C223 and C313 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO 4 : Conduct Investigations of Complex Problems			
PO 4	2.121	2.082	Target not attained List of Courses with low PO-4 attainment: C225(FLAT), C314(CD)
The Courses namely C225 and C314 shall be concentrated for the next academic year as they have low PO-4 attained values. The target value (2.121) set same for next academic year. Action 1: Review the basic concepts of FLAT Action 2: Additional classes need to be conduct to understand the "Complier design" concepts.			
PO 5 : Modern Tool Usage			
PO 5	2.1	2.111	Target attained
Action 1: The target for the next assessment year is reset with the attained value (2.111). The POAC suggested mentors to identify the difficult areas of the course C223 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO 6 : The Engineer and Society			
PO 6	1.732	1.842	Target attained
Action 1: The target for the next assessment year is reset with the attained value (1.842). The POAC suggested mentors to identify the difficult areas of the course C215 and C314 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO 7 : Environment and Sustainability			
PO 7	1.764	1.784	Target attained
Action 1: The target for the next assessment year is reset with the attained value (1.784). The POAC suggested mentors to identify the difficult areas of the course C224 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO 8 : Ethics			

PO 8	2.125	2.008	Target not attained List of Courses with low PO-8 attainment: C224(ES), C313(SE)
The Courses namely C224 and C313 shall be concentrated for the next academic year as they have low PO-8 attained values. The target value (2.008) set same for next academic year. Action 1: A Workshop will be organized on "Ethical hacking". Action 2: Additional classes need to be conduct to understand the Software Engineering.			
PO 9 : Individual and Team Work			
PO 9	2.098	2.104	Target attained
Action 1: The target for the next assessment year is reset with the attained value (2.104). The POAC suggested mentors to identify the difficult areas of the course C213 and C316 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO 10 : Communication			
PO 10	2.12	2.012	Target not attained List of Courses with low PO-10 attainment: C226(DAA), C314(CD)
The Courses namely C226 and C314 shall be concentrated for the next academic year as they have low PO-10 attained values. The target value (2.121) set same for next academic year. Action 1: Review the basic concepts of DAA Action 2: Additional classes need to be conduct to understand the "Complier design" concepts.			
PO 11 : Project Management and Finance			
PO 11	2.004	2.063	Target attained
Action 1: The target for the next assessment year is reset with the attained value (2.063). The POAC suggested mentors to identify the difficult areas of the course C214 and C314 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO 12 : Life-long Learning			
PO 12	1.931	2.028	Target attained
Action 1: The target for the next assessment year is reset with the attained value (2.028). The POAC suggested mentors to identify the difficult areas of the course C223 and C316 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			

PSOs Attainment Levels and Actions for Improvement- (2018-19)

PSOs	Target Level	Attainment Level	Observations

PSO 1 : Computing Techniques: Apply the knowledge about principle of programming languages, computer algorithms, databases, system software and computer network for the interconnection.			
PSO 1	2.089	2.115	Target attained
Action 1: The target for the next assessment year is reset with the attained value (2.115). The POAC suggested mentors to identify the difficult areas of the course C215 and C423 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PSO 2 : Computer product and Application Development: Interpret and analyze the problem, formulate an efficient hardware and software solution for the real world. Socio - industry related problems and needs using computing methodologies and latest technologies.			
PSO 2	2.141	2.202	Target attained
Action 1: The target for the next assessment year is reset with the attained value (2.202). The POAC suggested mentors to identify the difficult areas of the course C213 and C324 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PSO 3 : Successful Career and Entrepreneurship Perspectives: Fulfilling desire by attaining employment, excel in competitive examinations, higher studies, research and initiate startups.			
PSO 3	2.131	2.103	Target not attained List of Courses with low PSO-3 attainment: C323(OOAD), C422(SWSN)
The Courses namely C323 and C422 shall be concentrated for the next academic year as they have low PO-8 attained values. The target value (2.131) set same for next academic year. Action 1: A Workshop will be organized on "Web Technologies". Action 2: Additional classes need to be conduct to understand the OOAD.			

POs Attainment Levels and Actions for Improvement- (2019-20)

PO1: Engineering knowledge			
Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.			
PO#	**Target Level**	**Attainment Level**	**Observations**
PO1	**2.18**	**2.22**	➢ **Target Attained**
Action 1: The target for the next assessment year is reset with the attained value (2.2). The POAC suggested mentors to identify the difficult areas of the courses C214 and C315 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO2: Problem analysis			
Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and			

engineering sciences.			
PO2	**2.249**	**2.22**	➢ **Target Not Attained** **List of Courses with low PO-2 attainment: C313(SE), C325(MC)**
The course namely C313 and C325 shall be concentrated for the next academic year as they have low PO-2 attained values .The target value(2.249) set same for next academic year. Action 1: Review the basic of Mobile Computing concepts. Action 2: Additional classes need to be conduct to understand the Software Engineering concepts.			
PO3: Design/development of solutions			
Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public, health and safety, and the cultural, societal, and environmental considerations.			
PO3	**2.219**	**2.25**	➢ **Target Attained**
Action 1: The target for the next assessment year is reset with the attained value (2.25). The POAC suggested mentors to identify the difficult areas of the courses C214 and C315 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO4: Conduct investigations of complex problems			
Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions			
PO4	**2.121**	**2.17**	➢ **Target Attained**
Action 1: The target for the next assessment year is reset with the attained value (2.151). The POAC suggested mentors to identify the difficult areas of the courses C214 and C315 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO5: Modern tool usage			
Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations			
PO5	**2.131**	**2.2**	➢ **Target Attained**
Action 1: The target for the next assessment year is reset with the attained value(2.308). The POAC suggested mentors to identify the difficult areas of the course C214 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO6: The engineer and society:			
Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.			
PO6	**1.962**	**2.02**	➢ **Target Attained**

Action 1: The target for the next assessment year is reset with the attained value (2.17). The POAC suggested mentors to identify the difficult areas of the courses C115 and C116 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO7: Environment and sustainability			
Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.			
PO7	**1.844**	**2.15**	➢ **Target Attained**
Action 1: The target for the next assessment year is reset with the attained value (2.15). The POAC suggested mentors to identify the difficult areas of the courses C115 and C116 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO8: Ethics			
Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.			
PO8	**2.008**	**2.19**	➢ **Target Attained**
Action 1: The target for the next assessment year is reset with the attained value (2.19). The POAC suggested mentors to identify the difficult areas of the courses C115 and C116 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO9: Individual and team work			
Effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.			
PO9	**2.108**	**2.03**	➢ **Target Not Attained** **List of Courses with low PO-9 attainment: C313(SE), C325(MC)**
The course namely C313 and C116 shall be concentrated for the next academic year as they have low PO-9 attained values .The target value (2.108) set same for next academic year. Action 1: Review the software engineering concepts. Action 2: Additional classes need to be conduct to understand the Mobile Computing concepts.			
PO10: Communication			
Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.			
PO10	**2.21**	**2.09**	➢ **Target Not Attained** **List of Courses with low PO-10 attainment: C312(DCCN), C325(MC)**
The course namely C325 and C313 shall be concentrated for the next academic year as they have low PO-10 attained values .The target value(2.21) set same for next academic year. Action 1: Review the mobile computing concepts. Action 2: Additional classes need to be conduct to understand the Data Communication Computer Networks concepts.			

PO11: Project management and finance			
Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments and in multidisciplinary environments			
PO11	**2.06**	**2.06**	➢ **Target Attained**
Action 1: The target for the next assessment year is reset with the attained value (2.06). The POAC suggested mentors to identify the difficult areas of the courses C325 and C116 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO12: Life-long learning			
Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.			
PO12	**2.028**	**2.109**	➢ **Target Attained**
Action 1: The target for the next assessment year is reset with the attained value (2.109). The POAC suggested mentors to identify the difficult areas of the courses C214 and C115 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PSO1: Computing Techniques			
Apply the knowledge about principles of programming languages, Computer Algorithms, Databases, System Software and Computer Networks for the interconnection.			
PSO1	**2.115**	**2.23**	➢ **Target Attained**
Action 1: The target for the next assessment year is reset with the attained value (2.235). The POAC suggested mentors to identify the difficult areas of the courses C313 and C214 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PSO2: Computer Product and Application Development			
Interpret and analyze the problem, formulate an efficient hardware and software solution for the real world, socio-industry related problems and needs using computing			
PSO2	**2.2**	**2.2**	➢ **Target Attained**
Action 1: The target for the next assessment year is reset with the attained value (2.2). The POAC suggested mentors to identify the difficult areas of the courses C214 and C325 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PSO3: Successful Career and Entrepreneurship Perspectives Fulfilling desire by attaining Employment, Excel in competitive examinations, Higher studies, Research, and initiate startups			
PSO3	**2.131**	**2.18**	➢ **Target Attained**
Action 1: The target for the next assessment year is reset with the attained value (2.177). The POAC suggested mentors to identify the difficult areas of the courses C325 and C411 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			

POs Attainment Levels and Actions for Improvement- (2020-21)

<table>
<tr><td colspan="4">PO1: Engineering knowledge</td></tr>
<tr><td colspan="4">Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.</td></tr>
<tr><td>PO#</td><td>Target Level</td><td>Attainment Level</td><td>Observations</td></tr>
<tr><td>PO1</td><td>2.22</td><td>2.14</td><td>➢ Target Not Attained
List of Courses with low PO-10 attainment: C312(DCCN), C325(MC)</td></tr>
<tr><td colspan="4">The course namely C313 and C325 shall be concentrated for the next academic year as they have low PO-2 attained values .The target value (2.249) set same for next academic year.
Action 1: Review the basic of Mobile Computing concepts.
Action 2: Additional classes need to be conduct to understand the Software Engineering concepts.</td></tr>
<tr><td colspan="4">PO2: Problem analysis</td></tr>
<tr><td colspan="4">Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.</td></tr>
<tr><td>PO2</td><td>2.249</td><td>2.143</td><td>➢ Target Not Attained
List of Courses with low PO-2 attainment: C313(SE), C325(MC)</td></tr>
<tr><td colspan="4">The course namely C313 and C325 shall be concentrated for the next academic year as they have low PO-2 attained values .The target value (2.249) set same for next academic year.
Action 1: Review the basic of Mobile Computing concepts.
Action 2: Additional classes need to be conduct to understand the Software Engineering concepts.</td></tr>
<tr><td colspan="4">PO3: Design/development of solutions</td></tr>
<tr><td colspan="4">Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public, health and safety, and the cultural, societal, and environmental considerations.</td></tr>
<tr><td>PO3</td><td>2.25</td><td>2.164</td><td>➢ Target Not Attained
List of Courses with low PO-10 attainment: C312(DCCN), C325(MC)</td></tr>
<tr><td colspan="4">The course namely C313 and C325 shall be concentrated for the next academic year as they have low PO-2 attained values .The target value (2.249) set same for next academic year.
Action 1: Review the basic of Mobile Computing concepts.
Action 2: Additional classes need to be conduct to understand the Software Engineering concepts.</td></tr>
<tr><td colspan="4">PO4: Conduct investigations of complex problems</td></tr>
<tr><td colspan="4">Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions</td></tr>
</table>

PO4	**2.17**	**2.08**	➢ **Target Not Attained** **List of Courses with low PO-10 attainment: C312(DCCN), C325(MC)**
The course namely C313 and C325 shall be concentrated for the next academic year as they have low PO-2 attained values .The target value (2.249) set same for next academic year. Action 1: Review the basic of Mobile Computing concepts. Action 2: Additional classes need to be conduct to understand the Software Engineering concepts.			
PO5: Modern tool usage			
Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations			
PO5	**2.22**	**2.22**	➢ **Target Attained**
Action 1: The target for the next assessment year is reset with the attained value (2.22). The POAC suggested mentors to identify the difficult areas of the course C214 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO6: The engineer and society:			
Apply reasoning informed by the contextual knowledge to assess societal, health, safety,legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.			
PO6	**2.02**	**1.9**	➢ **Target Not Attained** **List of Courses with low PO-10 attainment: C312(DCCN), C325(MC)**
The course namely C313 and C325 shall be concentrated for the next academic year as they have low PO-2 attained values .The target value (2.249) set same for next academic year. Action 1: Review the basic of Mobile Computing concepts. Action 2: Additional classes need to be conduct to understand the Software Engineering concepts.			
PO7: Environment and sustainability			
Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.			
PO7	**2.15**	**2.18**	➢ **Target Attained**
Action 1: The target for the next assessment year is reset with the attained value (2.18). The POAC suggested mentors to identify the difficult areas of the courses C115 and C116 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO8: Ethics			
Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.			

PO8	**2.19**	**2.16**	➢ **Target Not Attained** **List of Courses with low PO-9 attainment: C313(SE), C325(MC)**
The course namely C313 and C325 shall be concentrated for the next academic year as they have low PO-2 attained values .The target value (2.249) set same for next academic year. Action 1: Review the basic of Mobile Computing concepts. Action 2: Additional classes need to be conduct to understand the Software Engineering concepts.			
PO9: Individual and team work **Effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.**			
PO9	**2.108**	**2.06**	➢ **Target Not Attained** **List of Courses with low PO-9 attainment: C313(SE), C325(MC)**
The course namely C313 and C116 shall be concentrated for the next academic year as they have low PO-9 attained values .The target value (2.108) set same for next academic year. Action 1: Review the software engineering concepts. Action 2: Additional classes need to be conduct to understand the Mobile Computing concepts.			
PO10: Communication **Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.**			
PO10	**2.21**	**2.09**	➢ **Target Not Attained** **List of Courses with low PO-10 attainment: C312(DCCN), C325(MC)**
The course namely C325 and C313 shall be concentrated for the next academic year as they have low PO-10 attained values .The target value (2.21) set same for next academic year. Action 1: Review the mobile computing concepts. Action 2: Additional classes need to be conduct to understand the Data Communication Computer Networks concepts.			
PO11: Project management and finance **Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments and in multidisciplinary environments**			
PO11	**2.06**	**1.92**	➢ **Target Not Attained** **List of Courses with low PO-10 attainment: C312(DCCN), C325(MC)**
The course namely C313 and C325 shall be concentrated for the next academic year as they have low PO-2 attained values .The target value (2.249) set same for next academic year. Action 1: Review the basic of Mobile Computing concepts. Action 2: Additional classes need to be conduct to understand the Software Engineering concepts.			

<table>
<tr><td colspan="4">PO12: Life-long learning</td></tr>
<tr><td colspan="4">Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.</td></tr>
<tr><td>PO12</td><td>2.11</td><td>2.05</td><td>➢ Target Not Attained
List of Courses with low PO-10 attainment: C312(DCCN), C325(MC)</td></tr>
<tr><td colspan="4">The course namely C313 and C325 shall be concentrated for the next academic year as they have low PO-2 attained values .The target value(2.249) set same for next academic year.
Action 1: Review the basic of Mobile Computing concepts.
Action 2: Additional classes need to be conduct to understand the Software Engineering concepts.</td></tr>
<tr><td colspan="4">PSO1: Computing Techniques</td></tr>
<tr><td colspan="4">Apply the knowledge about principles of programming languages, Computer Algorithms, Databases, System Software and Computer Networks for the interconnection.</td></tr>
<tr><td>PSO1</td><td>2.23</td><td>2.17</td><td>➢ Target Not Attained
List of Courses with low PO-10 attainment: C312(DCCN), C325(MC)</td></tr>
<tr><td colspan="4">The course namely C313 and C325 shall be concentrated for the next academic year as they have low PO-2 attained values .The target value(2.249) set same for next academic year.
Action 1: Review the basic of Mobile Computing concepts.
Action 2: Additional classes need to be conduct to understand the Software Engineering concepts.</td></tr>
<tr><td colspan="4">PSO2: Computer Product and Application Development</td></tr>
<tr><td colspan="4">Interpret and analyze the problem, formulate an efficient hardware and software solution for the real world, socio-industry related problems and needs using computing</td></tr>
<tr><td>PSO2</td><td>2.22</td><td>2.13</td><td>➢ Target Not Attained
List of Courses with low PO-10 attainment: C312(DCCN), C325(MC)</td></tr>
<tr><td colspan="4">The course namely C313 and C325 shall be concentrated for the next acadamic year as they have low PO-2 attained values .The target value(2.249) set same for next acadamic year.
Action 1: Review the basic of Mobile Computing concepts.
Action 2:Additional classes need to be conduct to understand the Software Engineering concepts.</td></tr>
<tr><td colspan="4">PSO3: Successful Career and Entrepreneurship Perspectives Fulfilling desire by attaining Employment, Excel in competitive examinations, Higher studies, Research, and initiate startups</td></tr>
<tr><td>PSO3</td><td>2.18</td><td>2.03</td><td>➢ Target Not Attained
List of Courses with low PO-10 attainment: C312(DCCN), C325(MC)</td></tr>
<tr><td colspan="4">The course namely C313 and C325 shall be concentrated for the next acadamic year as they have low PO-2 attained values .The target value(2.249) set same for next acadamic year.
Action 1: Review the basic of Mobile Computing concepts.
Action 2:Additional classes need to be conduct to understand the Software Engineering concepts.</td></tr>
</table>

7.2 Academic Audit and actions taken thereof during the period of Assessment(10)

Academic Audit Committee (AAC) of the department consists of four members with HOD as the chairman and remaining are regular faculty.

Responsibilities of AAC

- ✓ Through effective teaching and learning process, encourages faculty, staff and students for improvement of quality education.
- ✓ To monitor and verify the academic functions for smooth running of the program.
- ✓ To give suggestions to the faculty for improving teaching and learning process based on feedback.

Academic audit is conducted on the basis of following parameters

1. Course material files and lab manuals.
2. Monthly student's attendance.
3. Quality of Laboratory works and designs the content of AV classes.
4. Quality of Seminars given by students.
5. Quality of Project work undertaken by students.
6. Internal and External Exam Marks and semester wise performance of the students.

AAC Suggestions

Upon completion of the Academic audit, AAC would give the suggestions on the following points:

- ✓ Teacher Quality.
- ✓ Performance Analysis of students in all examinations.
- ✓ Identifying weak and bright students.
- ✓ Identifying Curricular and other gaps.
- ✓ Teaching methods adopted and use of ICT in teaching and learning process.
- ✓ Feedback analysis to evaluate the performance of teachers by students and curricular development.
- ✓ Need for organizing the Faculty development programs.
- ✓ Strengths, weakness, opportunities and challenges of the department.

- ✓ To focus on computer, internet, library and laboratory facilities.
- ✓ Mentoring system, introduction of remedial classes, bridge courses, guidance for NPTEL/GATE and competitive examinations.
- ✓ Evaluation methods adopted for internal examinations.
- ✓ Actions to be taken based on CO/PO/PSO attainments.
- ✓ Future plans of the department.

Outcomes of Academic Audit

The impact of Academic audit mechanism helped the department to improve mainly in the following areas:

- ✓ Towards better teaching-learning process.
- ✓ The faculty and student research publications have been improved.
- ✓ Improved % of marks and pass percentage.

Other best practices suggested by AAC

- ✓ Remedial classes are arranged for academically weak and failed students.
- ✓ ICT tools and LCD projectors are provided in each classroom.
- ✓ Established a 24/7 computer center, Coding Lab and department library.
- ✓ Library timings have been extended from 8 AM- 8 PM everyday.
- ✓ Spoken English training classes are being provided for students.
- ✓ The faculty and student research publications have been improved.
- ✓ Improved % of marks and pass percentage.

Other best practices suggested by AAC

- ✓ Remedial classes are arranged for academically weak and failed students.
- ✓ ICT tools and LCD projectors are provided in each classroom.
- ✓ Established a 24/7 computer center, Coding Lab and department library.
- ✓ Library timings have been extended from 8 AM- 8 PM everyday.
- ✓ Spoken English training classes are being provided for students.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

2020-21 ACADEMIC YEAR

S. NO	Gap Description	Action taken	Date	Resource person with Designation	% of students	Relevance to POs, PSOs
1	Modern technology usage	A one day workshop on "Python with ML" for IV B.Tech Task registeredstudents	29/08/2020	Mr K.Yuktesh, IBM	77%	PO1,PO2,PO3,PO4,PO5,PO12,PSO1,PSO2
2	Modern technology usage	A one day workshop on " Data Analysis and Visualization" for IV B.Tech Task registeredstudents	03/09/2020	Mr K.Yuktesh, IBM	89%	PO1,PO2,PO5,PSO1
3	Modern technology usage	A one day workshop on " Supervised Learning " for IV B.Tech Task registeredstudents	10/09/2020	Mr K.Yuktesh, IBM	93%	PO1,PO2,PO3,PO5,PSO1
4	Modern technology usage	A one day work shop on" Supervised Learning " for IV B.Tech Task registered students	17/09/2020	Mr K.Yuktesh, IBM	93%	PO1,PO2,PO3,PO5,PSO1

5	Modern technology usage	A one day workshop on " UnSupervised Learning " for IV B.Tech Task registeredstudents	24/09/2020	Mr K.Yuktesh, IBM	96%	PO1,PO2,PO3,PO5,PSO1
6	Modern technology usage	A one day workshop on " Decision Tree and Random Forest " for IV B.Tech Task registeredstudents	01/10/2020	Mr K.Yuktesh, IBM	88%	PO1,PO2,PO3,PO4,PO5,PO1,PSO2
7	Modern technology usage	A three day Webinar on "Cyber Security" was organized for IV B.Tech students.	14/12/2020 To 16/12/2020	Mr Rupesh Mital, Mr NNP Sankaram, Mr Chandra Dasaka,CSI	80%	PO1,PO2,PO3,PO6,PO12,PSO1,PSO2
8	Training Session	A three day "Gate Classes Session" was organized for IV B.Tech students.	04/01/2021 To 06/01/2021	Mr V.Sudheer, Mr K.Sampath TechnoGATE, Khammam	97%	PO1,PO2,PO3, PO4,PO5,PO9, PO10,PO11,PO12, PSO1,PSO2,PSO3
9	Skill development	A two day Webinar on "Reasoning	07/04/2021 To	Mrs B.Ramana, Task Trainer	93%	PO1,PO2,PO4,PSO1

		and Aptitude" was organized for III, IV B.Tech Task registered students.	09/04/ 2021			
10	Modern technology usage	A One Day Webinar on "Python Programming" was organized for III B.Tech Students	14/04/ 2021	GVK Sri Krishana,Software Developer,VINCENSE Software pvt Ltd., Hyderabad	86%	PO1,PO2,PO3,PO4 ,PO5, PO12,PSO1, PSO2,PSO3
11	Modern Technology usage	A Two Day Webinar on "Artificial Intelligence & Ml with Java" for II,III and IV B.tech Task Registered Students	15/04/ 2021 To 17/04/ 2021	Mr.Arun Reddy, Task Trainer	92%	PO1,PO2,PO3, PO4,PO5, PO12,PSO1,PSO2, PSO3
12	Skill development	A One Day Webinar on "Boost Your Interview Skills" for IV B.Tech students	24/04/ 2021	RAJESH KOTA(Associate Director, Global capability center, Banglore)	82%	PO1,PO2,PO3,PO10, PSO1

13	Modern Technology usage	A One Day Webinar on "Andriod Application Development" for III B.Tech students	26/04/2021	Mr K.Sridhar, Trainer, VINCENSE Software pvt Ltd., Hyderabad	88%	PO1,PO2,PO3,PO4,PO5, PO12,PSO1, PSO2,PSO3
14	Modern Technology usage	A One Day online workshop on "Internet of Things(IOT)" for II, III, IV B.Tech students	02/05/2021	Mr G.Srinivasa Rao, Trainer, Vertulonix, Hyderabad	91%	PO1,PO2,PO3, PO4, PO5, PO!! PSO1,PSO2,PSO3
15	Modern Technology usage	A Three Day webinar on "Python with Dijango" for IV B.Tech students	27-05-2021 TO 29-05-2021	Mr P.Srujan Reddy, Software Developer, Synchronism Solutions, Hyderabad	96%	PO1,PO2,PO3,PO4, PO5,PO12,PSO1, PSO2,PSO3

2019-20 ACADEMIC YEAR

S.NO	Gap Description	Action taken	Date	Resource person with Designation	% of students	Relevance to POs, PSOs
1	Modern technology usage	A two days workshop on "Machine Learning" was organized for IV B.Tech students.	23/08/2019 To 24/08/2019	Ms M.Sravani Trainer, Indian Servers, Hyderabad	100%	PO1,PO2,PO3, PO4,PO9, PO12,PSO1,PSO2, PSO3

2	Modern technology usage	A five day workshop on "Oracle Java programming" was organized for IV B.Tech Task registered students.	16/09/2019 To 20/09/2019	Mr K.Ramesh, Task trainer	94%	PO1,PO2,PO3, PO5,PO9, PO11,PO12, PSO1,PSO2
3	Skill development	A two day workshop on "personal skills" was organized for III B.Tech Task registered students.	17/10/2019 To 18/10/2019	Mr G.Satish, Task trainer	100%	PO1,PO2,PO3, PO4,PO9,PO10, PSO1, PSO2
4	Modern technology usage	A three day workshop on "Database programming with SQL" was organized for IV B.Tech Task registered students.	28/10/2019 To 30/10/2019	Mr P.Vamshi, Task trainer	100%	PO1,PO2,PO3, PO4,PO5,PO9, PO12,PSO1,PSO2,PSO3
5	Employability skills	A three day workshop on "communication/organization skills"	30/10/2019 To 01/11/2019	Mr Indrakumar, Task trainer	96%	PO1,PO2,PO4 ,PSO1

		was organized for III B.Tech Task registered students.				
6	Training Session	A three day "Gate Classes Session" was organized for IV B.Tech students.	16/12/2019 To 18/12/2019	Mr P.Harish, Mr J.Prakash, Mr N.Vasanth Kumar, Trainer, Trainer, TechnoGATE, Khammam	100%	PO1,PO2,PO3, PO4,PO5,PO9, PO10,PO11,PO12, PSO1,PSO2,PSO3
7	Modern technology usage	A five day workshop on "Oracle Java Fundamentals" was organized for III B.Tech Task registered students.	27/01/2020 to 31/01/2020	Mr M.Pranay, Task trainer	93%	PO1,PO2,PO3, PO5,PO9,PO12, PSO1,PSO2
8	Modern technology usage	A two day workshop on "Artificial intelligence" was organized for IV B.Tech students.	13/02/2020 To 14/02/2020	Mr Sajid, Trainer, Robokalam, Hyderabad.	100%	PO1,PO2,PO3, PO4,PO5,PSO1,PSO2
9	Modern technology usage	A two day workshop on "Fiber Technology" was organized for IV B.Tech students.	19/02/2020 To 20/02/2020	Mr Himanshu, STL trainer	97%	PO1,PO2,PO3, PO5,PSO1,PSO2

10	Modern technology usage	A three day workshop on "Internet of Things" was organized for IV B.Tech Task registered students.	27/02/2020 To 29/02/2020	Mr P.Vijay, Task trainer	94%	PO1,PO2,PO3, PO4,PO5,PO!! PSO1,PSO2,PSO3
11	Presentation skills	A three day Online training on "presentation skills" was organized for III,IV B.Tech Task registered students.	14/05/2020 To 16/05/2020	Mr B.Vivekanand a, Soft Skills trainer,Task	98%	, PO9,PO10,PSO1

2018-19 ACADEMIC YEAR

S.NO	Gap Description	Action taken	Date	Resource person with Designation	% of students	Relevance to POs, PSOs
1	Skill development	A two day workshop on "Personal Skills Sessions " was organized for III B.Tech Task registered students.	13/08/2018 To 14/08/2018	Mr.K.Ramakrishna, Task trainer	100%	PO1,PO2,PO3, PO4,PO9,PO10, PSO1, PSO2

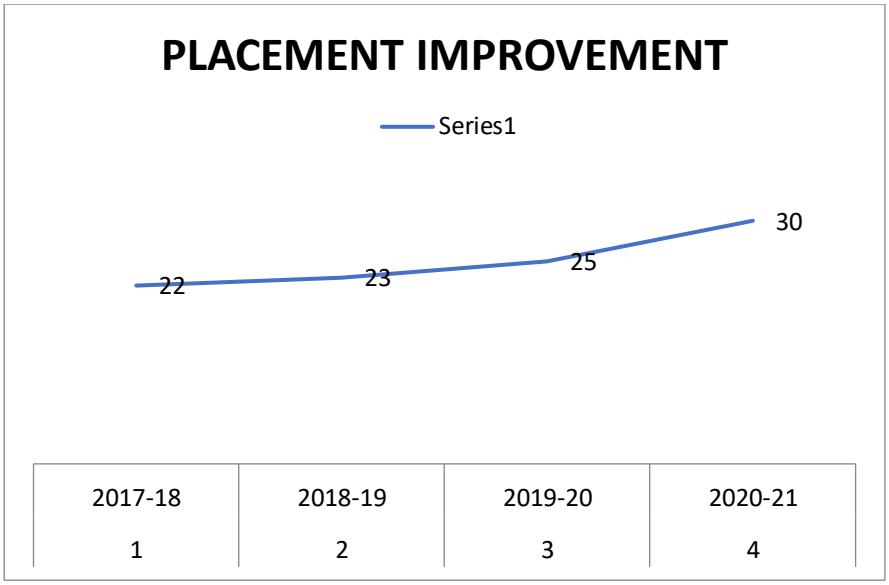
2	Skill develop ment	A two day workshop on"Personal Sk ills Sessions " was organized for IV B.Tech students.	20/08/20 18 To 21/08/20 18	Mr.Indrakum ar,trainer	92%	PO1,PO2,PO3, PO4,PO9,PO1 0, PSO1, PSO2
3	Modern technolo gy usage	A two day work shop on "Artificial Intelligence" was organized for IV B.Tech students.	10/09/20 18 To 11/09/20 18	Mr K.SriRam, Trainer, Robokalam, Hyderabad	96%	PO1,PO2,PO3, PO4,PO5, PSO1,PSO2
4	Employa bility skills	A one day work shop on "Aptitude & Reasoning MOOCS" was organized for III B.Tech Task registered students.	25/09/20 18	Mr.Sudheer, Task trainer	100%	PO1,PO2,PO4, PSO1
5	Modern technolo gy usage	A three day work shop on "Database programming with SQL" was organized for III B.Tech	28/10/20 18 To 30/10/20 18	Mr Vamshidar reddy, Task trainer	94%	PO1,PO2,PO3, PO4,PO5,PO9, PO12,PSO1,P SO2,PSO3

		Task registered students.				
6	Training Session	A three day "Gate Classes Session" was organized for IV B.Tech students.	27/12/2018 To 29/12/2018	Mr K.Anirudh, Ms G.Swapna, Mr M.Kalyan, Trainer, TechnoGATE, Khammam	100%	PO1,PO2,PO3, PO4,PO5,PO9, PO10,PO11,PO12, PSO1,PSO2,PSO3

7.3 Improvement in Placement, Higher Studies and entrepreneurship (10)

Assessment is based on improvement in:
• Placement: number, quality placement, core industry, pay packages etc.
• Higher studies: performance in GATE, GRE, GMAT, CAT etc., and admissions in premier institutions
• Entrepreneurs
The following is the detailed analysis on the improvement made in the placement subject to number, quality placement and industries relating to students over the various assessment years.

S.No.	Academic Year	Number of Students Placed
1	2017-18	22
2	2018-19	23
3	2019-20	25
4	2020-21	30
Total		100



IMPROVEMENT IN PLACEMENTS

PLACEMENT DATA 2017-18

S.No.	Enrollment no.	Name of the student placed	Name of the Employer	PACKAGE	Dept.
1	14QU1A0511	KALPANA MALLEBOINA	Efftronics	3.5 LPA	CSE
2	14QU1A0515	LAVANYA SHIVA KOTI	Efftronics	3.5 LPA	CSE
3	14QU1A0519	NAVYA KURAPATI	Efftronics	3.5 LPA	CSE
4	14QU1A0521	SAHITHI VANDANAPU1	Efftronics	3.5 LPA	CSE
5	14QU1A0520	PRANEETHA GADE	GGK Tech	1.8 LPA	CSE
6	14QU1A0524	SRAVANI SADE	GGK Tech	1.8 LPA	CSE
7	14QU1A0528	SRIVIDYA GADHAMSETTY	GGK Tech	1.8 LPA	CSE
8	14QU1A0534	VINEESHA VELISHALA	GGK Tech	1.8 LPA	CSE
9	14QU1A0503	Bhargavi	GGK Tech	1.8 LPA	CSE
10	14QU1A0506	HARIKA VASAM	Hd Edutools	1.4 LPA	CSE
11	14QU1A0512	KEERTHEEMANJUSHA KARLAKUNTA	Hd Edutools	1.4 LPA	CSE
12	14QU1A0516	LAXMI BAHATAM	Hd Edutools	1.4 LPA	CSE
13	14QU1A0502	BHARGAVI MUDOTHULA	Karvy	1.8 LPA	CSE
14	14QU1A0510	KALPANA KANDHIBANDA	Karvy	1.8 LPA	CSE
15	14QU1A0526	SRIDURGA DIVEELA	Karvy	1.8 LPA	CSE
16	14QU1A0529	SUNEETHA TADIKAMALLA	Karvy	1.8 LPA	CSE
17	14QU1A0532	UDAYA SRI PANDI	Karvy	1.8 LPA	CSE

18	14QU1A0508	INDIRA SOMISHETTY	Sia Group	1.5 LPA	CSE
19	14QU1A0518	MANEESHA NANDYALA	Sia Group	1.5 LPA	CSE
20	14QU1A0523	SHIRISHA VEEREPALLY	Sia Group	1.5 LPA	CSE
21	14QU1A0530	SUSHMA GOPIREDDY	Sia Group	1.5 LPA	CSE
22	14QU1A0535	VINITHA	Sia Group	1.5 LPA	CSE

PLACEMENT DATA 2018-19

SNO	HT.NO	STUDENT NAME	COMPANY	PACKAGE	BRANCH
1	15QU1A0516	LAVANYA NELANTI	CtrlS	2.0LPA	CSE
2	15QU1A0520	MOUNIKA KATTHULA	CtrlS	2.0LPA	CSE
3	15QU1A0537	G. SAMATHA	CtrlS	2.0LPA	CSE
4	15QU1A0555	VEENA GANGURI	CtrlS	2.0LPA	CSE
5	15QU1A0556	VIJAYA LAXMI CHITTIPOLU	CtrlS	2.0LPA	CSE
6	15QU1A0529	G. PRASHANTHI	EFFTRONICS	3.5LPA	CSE
7	15QU1A0534	RAJYALAXMI MANTRIPRAGADA	EFFTRONICS	3.6LPA	CSE
8	15QU1A0547	SREE LEKHA ANNEM	EFFTRONICS	3.5LPA	CSE
9	15QU1A0551	P. TEJASWINI	EFFTRONICS	3.5LPA	CSE
10	15QU1A0501	AKHILA MITTAPALLI	Hinduja Global Sol.	2.5LPA	CSE
11	15QU1A0512	KAVYA VAJRAPU	Hinduja Global Sol.	2.5LPA	CSE
12	15QU1A0523	VINITHA VADAKE	Hinduja Global Sol.	2.5LPA	CSE
13	15QU1A0541	SINDHU BELLAMKONDA	Hinduja Global Sol.	2.5LPA	CSE
14	15QU1A0524	NAVYA MUNAGALA	Karvy	1.8LPA	CSE
15	15QU1A0536	SAI SANGAVI KANDIKONDA	Karvy	1.8LPA	CSE
16	15QU1A0538	SANTHOSHI AKULA	Karvy	1.8LPA	CSE
17	15QU1A0539	SHAHANA SHAIK	Karvy	1.8LPA	CSE
18	15QU1A0540	SHAILAJA KUMARI CHITTIPROLU	Karvy	1.8LPA	CSE
19	15QU1A0503	ANUSHA NALABOLU	TATA BUSINESS SERVICE	2.2LPA	CSE
20	15QU1A0504	AVILASHA TATHINENI	TATA BUSINESS SERVICE	2.2LPA	CSE
21	15QU1A0509	HUSSENBHI PATAN	TATA BUSINESS SERVICE	2.2LPA	CSE
22	15QU1A0514	LAXMISANTOSHI BHAVANA	TATA BUSINESS SERVICE	2.2LPA	CSE
23	15QU1A0527	N. PAVANI	TATA BUSINESS SERVICE	2.2LPA	CSE

PLACEMENT DATA 2019-20

SNO	HT NUMBER	STUDENT NAME	COMPANY	PACKAGE	DEPT
1	16QU1A0509	GOWTHAMI VEERAMSHETTI	Arete IT Services	2.5LPA	CSE
2	16QU1A0542	SRILAXMI KANDARABOINA	Arete IT Services	2.5LPA	CSE

3	16QU1A0556	MALLIKA D	Arete IT Services	2.5LPA	CSE
4	17QU5A0501	ASHWINI MUNNA	Arete IT Services	2.5LPA	CSE
5	16QU1A0514	K. KRISHNAVENI	EFFTRONICS	3.5LPA	CSE
6	16QU1A0521	NAGAJYOTHI KOLA	EFFTRONICS	3.5LPA	CSE
7	16QU1A0528	POOJITHA CHEEDELLA	EFFTRONICS	3.5LPA	CSE
8	16QU1A0532	SAI SRUTHI YEDLA	EFFTRONICS	3.5LPA	CSE
9	16QU1A0540	B. SREEJA	EFFTRONICS	3.5LPA	CSE
10	16QU1A0503	V. ANUSHA	Hinduja Global Sol.	2.5LPA	CSE
11	16QU1A0527	P. PRASANNA	Hinduja Global Sol.	2.5LPA	CSE
12	16QU1A0530	B. SAHITHI KRISHNA	Hinduja Global Sol.	2.5LPA	CSE
13	16QU1A0534	SK. SHAKEERA	Hinduja Global Sol.	2.5LPA	CSE
14	16QU1A0542	K. SRI LAXMI	Hinduja Global Sol.	2.5LPA	CSE
15	16QU1A0545	T. SWAPNA	Hinduja Global Sol.	2.5LPA	CSE
16	16QU1A0546	B. SWATHI	Hinduja Global Sol.	2.5LPA	CSE
17	16QU1A0508	G. GOUTHAMI	RK Info. Systems	2.5LPA	CSE
18	16QU1A0531	N. SAI SOWMYA	RK Info. Systems	2.5LPA	CSE
19	16QU1A0552	L. USHARANI	RK Info. Systems	2.5LPA	CSE
20	16QU1A0555	M. YOGITHA	RK Info. Systems	2.5LPA	CSE
21	17QU5A0502	K. LAXMI PRAVEENA	RK Info. Systems	2.5LPA	CSE
22	16QU1A0505	BHAVANI NEMMANI	TATA BUSINESS SERVICE	2.2LPA	CSE
23	16QU1A0510	G. HARITHA	TATA BUSINESS SERVICE	2.2LPA	CSE
24	16QU1A0548	G. TAPASWINI	TATA BUSINESS SERVICE	2.2LPA	CSE
25	16QU1A0551	S. UMA MAHESWARI	TATA BUSINESS SERVICE	2.2LPA	CSE

PLACEMENT DATA 2020-21

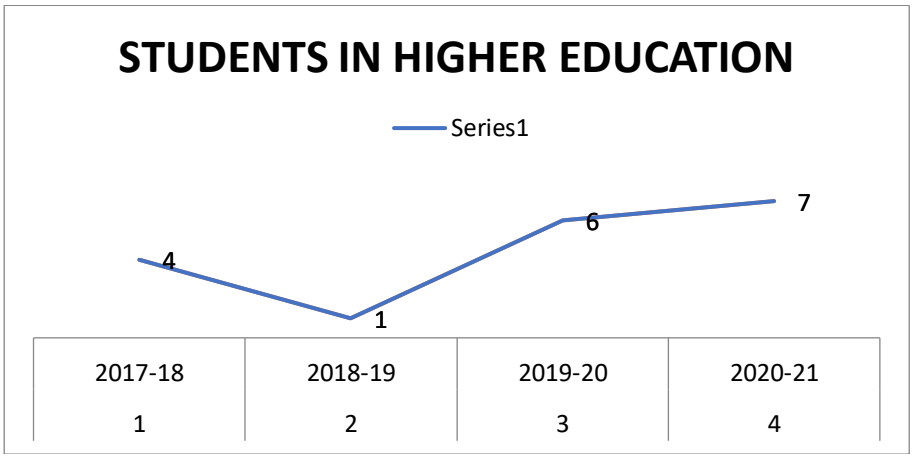
S.NO	HT NO	STUDENT NAME	COMPANY	LPA	DEPT
1	17QU1A0545	A VANAJA	TELEPERPOMANCE	1.4	CSE
2	17QU1A0517	G PAVITHRA	ICCS	1.2	CSE
3	18QU5A0501	B SRAVANI	HDFC	1.8	CSE
4	17QU1A0526	SAHITHI K	GJ SOLUTIONS	1.2	CSE
			HDFC	1.8	CSE
5	17QU1A0538	D SRUJANA	TATA	1.7	CSE
6	17QU1A0539	M SUPRIYA	TELEPERFORMANCE	1.4	CSE
7	17QU1A0547	K V L THULASI	TELEPERFORMANCE	1.4	CSE
8	17QU1A0548	V VINEELA	TELEPERFORMANCE	1.4	CSE
9	17QU1A0517	G PAVITHRA	TELEPERFORMANCE	1.4	CSE
10	17QU1A0529	A SHIRISHA	TELEPERFORMANCE	1.4	CSE
11	17QU1A0535	G SRAVANI	GJ SOLUTIONS	1.2	CSE
12	17QU1A0541	SHERU SUSHMITHA	GJ SOLUTIONS	1.2	CSE

13	17QU1A0524	S RAMYA SRI	GJ SOLUTIONS	1.2	CSE
14	17QU1A0507	V DURGA BHAVANI	GJ SOLUTIONS	1.2	CSE
			RELIANCE	1.4	CSE
15	17QU1A0516	NAVYA LIKKI	GJ SOLUTIONS	1.2	CSE
16	17QU1A0529	A SHIRISHA	GJ SOLUTIONS	1.2	CSE
17	17QU1A0542	M TRIVENI	GJ SOLUTIONS	1.2	CSE
18	17QU1A0521	K PRIYANKA	GJ SOLUTIONS	1.2	CSE
19	17QU1A0530	SHIVANI.CH	TELEPERFORMANCE	1.4	CSE
20	17QU1A0518	POOJA.D	TELEPERFORMANCE	1.4	CSE
21	17QU1A0520	PRATHYUSHA.A	GJ SOLUTIONS	1.2	CSE
22	17QU1A0536	SRAVANTHI.D	GJ SOLUTIONS	1.2	CSE
23	17QU1A0501	AKSHAYA.CH	GJ SOLUTIONS	1.2	CSE
24	17QU1A0546	VANDANA.CH	TELEPERFORMANCE	1.4	CSE
25	17QU1A0503	BINDHUSREE.B	TELEPERFORMANCE	1.4	CSE
26	17QU1A0505	DIVYA.B	TELEPERFORMANCE	1.4	CSE
27	17QU1A0544	TRIVENI.T	TELEPERFORMANCE	1.4	CSE
28	17QU1A0522	RAMYA.CH	GJ SOLUTIONS	1.2	CSE
29	17QU1A0510	KAVYASREE.B	GJ SOLUTIONS	1.2	CSE
30	17QU1A0509	HANEEFA.M	GJ SOLUTIONS	1.2	CSE

Details of Students for Higher Studies

S.No.	Academic Year	Number of Students went for Higher Studies
1	2017-18	04
2	2018-19	01
3	2019-20	06
4	2020-21	07
Total		18

NUMBER OF STUDENTS WENT FOR HIGHER STUDIES



HIGHER EDUCATION DATA

2020-21

SNO	HTNO	NAME OF THE STUDENT	PGECET/ICET HTNO	PGECET/ICET RANK
1	17QU1A0517	PAVITHRA GUNDE	9301073560	651
2	17QU1A0535	SRAVANI GODHUMALA	9303073928	1182
3	17QU1A0506	DIVYA POTHUGANTI	9402070970	1851
4	17QU1A0513	MANISHA KEETHA	9301073700	951
5	17QU1A0537	SRAVYA BHUKYA	9301073502	730
6	17QU1A0528	SANAANJUM MOHAMMED	9303073669	1293
7	17QU1A0534	SPANDHANA KALLEPELLY	9401071042	1799

2019-20

SNO	HTNO	NAME OF THE STUDENT	PGECET/ICET HTNO	PGECET/ICET RANK
1	16QU1A0548	G.TAPASWINI	9107070027	274
2	16QU1A0535	K. SHIRISHA	9101074596	440
3	16QU1A0552	L. USHARANI	9110070444	607
4	16QU1A0531	N. SAI SOWMYA	9205070087	625
5	16QU1A0521	K. NAGAJYOTHI	9101073992	745
6	16QU1A0540	B. SREEJA	9108070236	879

2018-19

SNO	HTNO	NAME OF THE STUDENT	ICET HTNO	PGECET/ICET RANK
1	15QU1A0508	B. GEETHA	130119672037.00	

2017-18

SNO	HTNO	NAME OF THE STUDENT	PGECET/ICET HTNO	PGECET/ICET RANK
1	14QU1A0510	K. KALPANA	MNGT	MNGT
2	14QU1A0512	K. KEERTHEEMANJUSHA	1103072804	827
3	14QU1A0528	G. SRIVIDYA	1101074098	1887
4	14QU1A0534	V. VINEESHA	MNGT	MNGT

7.4 Improvement in the quality of students admitted to the program(10)

Item		2020-21	2019-20	2018-19	2017-18
National Level Entrance Examination IITJEE, AIEEE	No of students admitted	0	0	0	0
	Opening Score/Rank	0	0	0	0
	Closing Score/Rank	0	0	0	0
State/ University/ Level Entrance Examination/ Others	No of students admitted	**42**	**42**	**42**	**42**
	Opening Score/Rank	15,479	12,115	30,417	34,841
	Closing Score/Rank	67,533	98789	99,106	88,050
Name of the Entrance Examination for Lateral Entry or lateral entry details ECET	No of students admitted	**03**	**04**	**02**	**03**
	Opening Score/Rank	2078	2469	1439	928
	Closing Score/Rank	3160	5654	1724	1127
Average CBSE/Any other board result of admitted students(Physics, Chemistry&Maths)	No of students admitted	18	18	18	05
	Opening Score/Rank	NIL	NIL	NIL	NIL
	Closing Score/Rank	NIL	NIL	NIL	NIL

CRITERION 8	First Year Academics	50

8. FIRST YEAR ACADEMICS(50)

First Year Faculty List

NAME OF THE FACULTY MEMBER	PAN NO	QUALIFICATION	DATE OF RECEIVING HIGHEST DEGREE	AREA OF SPECIALIZATION	DESIGNATION	DATE OF JOINING	TEACHING LOAD(%)			CURRENTLY ASSOCIATED(YES/NO)	NATURE OF ASSOCIATION	DATE OF RELEAVING
							CAYM 2	CAYM 1	CAY1			
Dr.CH. NAGARJUNA RAO	AGQPC6878G	Ph.D	30/12/1986	CHEMISTRY	PROFESSOR	14/8/2010	88.88	88.88	88.88	YES	REGULAR	
Mr.Y. SAMPATH KUMAR REDDY	ACAPY3889K	MSC	12-03-04	PHYSICS	ASST.PROF	27/6/2015	90.476	88.88	88.88	YES	REGULAR	
Ms.CHAITANYA KAMALA KUMARI DEEVI	AWZPD9690G	MSC	16/05/2009	MATHEMATICS	ASST.PROF	14/6/2016	88.88	88.88	88.88	YES	REGULAR	
Mr.G.NAGESWAR RAO	BLFPG9961H	M.TECH	09-04-14	MACHINE DESIGN	ASST.PROF	07-04-16	93.33	93.33	93.33	YES	REGULAR	
Mr.V. RAJASHEKHAR	AMRPV5339C	MSC	14/10/2015	PHYSICS	ASST.PROF	21/5/2017		100	100	YES	REGULAR	
Ms.S.BHUVANESHWARI	GBBPS7579N	MSC	02-01-07	MATHEMATICS	ASST.PROF	07-05-18			88.88	YES	REGULAR	
Mr.V. VENKATA RAMESH	BBFPV7761L	MSC	19/01/2017	PHYSICS	ASST.PROF	07-05-18			100	YES	REGULAR	

Ms.K. NAINEETHA	APMPK3695L	MSC	17/01/2011	CHEMISTRY	ASST.PROF	08-07-18			100	YES	REGULAR	
Mr.P. SRIMANNARAYANA	ARBPP8477A	MSC	19/09/1997	CHEMISTRY	ASST.PROF	15/05/2017	93.33		100	YES	REGULAR	
Mr.B.SAIDARAO	CHXPB6040H	MBA	18/09/2014	FINANCE	ASST.PROF	20/12/2018			88.88	YES	REGULAR	
Mr.E. SRINIVAS	ACIPE6079M	MSC	18/11/2003	MATHEMATICS	ASST.PROF	06-06-17		88.88	88.88	YES	REGULAR	
Mr.V.SRINIVASA CHARY	BNWPV4079E	MA	07-03-17	ENGLISH	ASST.PROF	05-02-19			100	YES	REGULAR	
Mr.T. NARAHARI	APFPT8416F	MSC	16/02/2015	MATHEMATICS	ASST.PROF	28/08/2019			88.88	YES	REGULAR	
Mr.N. NAGARAJU	AMOPN5520E	MA	06-11-09	ENGLISH	ASST.PROF	07-02-19			93.33	YES	REGULAR	
Mr.T. LAXMAN RAJU	AMVPT9050E	MBA	12-11-03	FINANCE	ASST.PROF	05-11-17	88.88	88.88	88.88	YES	REGULAR	
Mr.P.SHIVAIAH	GQCPS6836J	MSC	14/05/2014	PHYSICS	ASST.PROF	29/05/2017	88.88	88.88	88.88	YES	REGULAR	
Mr.P. LAXMI	BKCPP4142H	MBA	16/05/2013	FINANCE	ASST.PROF	07-10-14	88.88	88.88	88.88	YES	REGULAR	
Mr.N. RAMESH	AGOPN4137H	MBA	16/07/2009	FINANCE	ASST.PROF	10-05-09	88.88	88.88	88.88	YES	REGULAR	
Mr.V. ANTHONY	AIHPV2527Q	MA	16/07/2001	ENGLISH	ASST.PROF	21/8/2014	93.33	93.33	93.33	YES	REGULAR	
Mr.CH.NIRANJAN REDDY	BDTPC6745B	MSC	16/08/2010	ORGANIC CHEMISTRY	ASST.PROF	07-08-12	93.33	88.88	88.88	YES	REGULAR	

Mr.M. KOMARELLI	CSTPM8854R	MSC	26/04/2013	MATHEMATICS	ASST.PROF	21/8/2014	88.88	88.88	88.88	YES	REGULAR	
Mr.B.ANANDKUMAR	BXBPB6615D	M.TECH	22/06/2015	CSE	ASST.PROF	12-10-15				NO	REGULAR	27/05/2017
Mr.K.SHANMUKH VARA PRASAD	AWUPK7472J	M.SC	13/09/2013	MATHEMATICS	ASST.PROF	08-10-16	88.88			NO	REGULAR	19/05/2019
Mr.G. UPENDAR REDDY	BQUPG3900Q	M.SC	16/05/2016	CHEMISTRY	ASST.PROF	14/09/2016	93.33	88.88		NO	REGULAR	19/05/2019
Mr.Y. NARAYANA	AMSPY3394F	MA	18/12/2015	ENGLISH	ASST.PROF		93.33			YES	REGULAR	
Mr.V.NAGARAJU	AWXPV5929J	M.SC	06-07-11	ORGANIC CHEMISTRY	ASST.PROF	22/08/2014	93.33			NO	REGULAR	15/05/2018
Mr.T. HIMABINDU	APDPC6565L	MBA	04-10-12	H.R	ASST.PROF	07-03-14	88.88	88.88		NO	REGULAR	29/05/2019
Mr.S. GOWSHIYA	GCSPS2107G	MA	17/05/2006	ENGLISH	ASST.PROF	12-10-15	93.33			NO	REGULAR	30/05/2018
Mr.D.RAMA KRISHNA	AMIPD4013E	M.SC	07-08-00	PHYSICS	ASST.PROF	13/07/2012	93.33			NO	REGULAR	30/05/2018
Mr.S.SRINIVAS RAO	SJKPS7135E	M.SC	08-10-03	MATHEMATICS	ASST.PROF	07-11-12	88.88			NO	REGULAR	20/05/2018
Mr.N.LAKSHMAIAH	BALPN2553F	MA	14/07/2011	ENGLISH	ASST.PROF	08-03-15	93.33			NO	REGULAR	05-10-18
Mr.C.RAVI KUMAR	AKUPC8373J	M.A	28/06/2008	ENGLISH	ASST.PROF	09-01-10	93.33	93.33		NO	REGULAR	05-05-19
Mr.B.RAMESH	BXSTB7950C	M.SC	25/03/2010	CHEMISTRY	ASST.PROF	14/6/2013	93.33	100		NO	REGULAR	05-05-19

Mr.C.RAMESH	AIAPC7696N	MSC	25/06/2005	MATHEMATICS	ASST.PROF	24/06/2011	88.88			NO	REGULAR	15/05/2018
Mr.B. KOMALA	BCAPG4906L	MSC	28/06/2006	PHYSICS	ASST.PROF	02-01-11	94.44	100		NO	REGULAR	19/05/2019
Mr.S. U.M.V SHARMA	ABYPS0454Q	M.SC	18/06/2002	CHEMISTRY	ASST.PROF	21/9/2012	100	100		NO	REGULAR	29/05/2019
Mr.T. NARASIMHA RAO	AFTPT3498M	MBA	08-09-12	FINANCE	ASST.PROF	29/03/2012	88.88			NO	REGULAR	05-10-18
Mr.K. ASHOK	AWYPK8969J	M.SC	22/05/2001	MATHEMATICS	ASST.PROF	07-02-12	88.88	88.88		NO	REGULAR	05-05-19
Mr.D. RAJKUMAR	BZRPD3419D	M.TECH	20/03/2014	MACHINE DESIGN	ASST.PROF	07-01-13	93.33	93.33		NO	REGULAR	05-05-19
Mr.N.ANJAIAH	BQSPG5620A	MA	21/06/2010	ENGLISH	ASST.PROF	08-03-15	93.33	93.33	100	YES	REGULAR	
Mr.N.MUTHYALU	BEFPN4985K	M.SC	27/06/2016	PHYSICS	ASST.PROF	01-09-17		93.33		YES	REGULAR	
Mr.M. SRINIVAS	DMDPM685P	MA	25/06/2012	ENGLISH	ASST.PROF	12-11-17				YES	REGULAR	
Mr.MD ABDUL MANAN	DEGPM1875E	MTECH	19/01/2019	THERMAL ENGINEERING	ASST.PROF	21/01/2019			93.33	YES	REGULAR	

8.1 Student Faculty Ratio (FYSFR)(5)

Year	Number Of Students(approved intake strength) N	Number of Faculty members(considering fractional load) F	FYSFR (N/F)	*Assessment= (5*20)/FYSFR(Limited to Max.5)
2017-18 (CAYm2)	420	27	16	5
2018-19 (CAYm1)	420	22	19	5
2019-20 (CAY)	420	22	19	5
2020-21	420	22	19	5
Average	**60**	**23**	**19**	**5**

8.2. Qualification of Faculty Teaching First Year Common Courses (5)

Year	x (Number Of Regular Faculty with Ph.D)	y (Number Of Regular Facultywith Post graduate Qualification)	RF (Number Of FacultyMembers required as per SFR of 20:1)	Assessment Of Faculty Qualification [(5x + 3y) / RF]
2017-2018	1	26	21	3
2018-2019	1	24	21	3
2019-2020	1	20	21	3
2020-2021	1	24	21	3

Average assessment: 3

8.3 First Year Academic Performance (10)

Academic Performance	2019-20	2018-19 (CAYm1)	2017-18 (CAYm2)	2016-17 (CAYm3)
Mean of CGPA or mean percentage of all successful students(X)	7.84	6.23	7.04	6.99
Total Number of successful students(Y)	28.00	58.00	45.00	53.00
Total Number of students appeared in the examination(Z)	60.00	60.00	47.00	55.00
API [X*(Y/Z)]	3.65	6.02	6.74	6.74

Average API [(AP1+AP2+AP3)/3]: 5.78
Assessment = Average API:5.78

8.4. Attainment of course outcomes of first year courses (10)

8.4.1.Describe the assessment processes used to gather the data upon which the evaluation of course outcomes of first year is done.(5)

(2020-21)	**Internal Assessment** **Subjective test (10M), Objective/Quiz (10M) and assignment (5M)** for theory courses is conducted twice in a semester, where subjective, objective papers and assignments are set by the concerned faculty. Internal continuous evaluation (15M) and internal exam (10M) for practical/ lab courses in which the evaluation is done by the concerned faculty. **External Assessment** The **Semester End Examination** (SEE) for theory courses is conducted and evaluated by JNTUH University. The practical/lab external examinations are conducted/evaluated by internal and external examiners

CAY (2019-20)	**Internal Assessment** **Subjective test (10M), Objective/Quiz (10M) and assignment (5M)** for theory courses is conducted twice in a semester, where subjective, objective papers and assignments are set by the concerned faculty. Internal continuous evaluation (15M) and internal exam (10M) for practical/ lab courses in which the evaluation is done by the concerned faculty. **External Assessment** The **Semester End Examination** (SEE) for theory courses is conducted and evaluated by JNTUH University. The practical/lab external examinations are conducted/evaluated by internal and external examiners
CAYm1(2018-19)	**Internal Assessment** **Subjective test (10M), Objective/Quiz (10M) and assignment (5M)** for theory courses is conducted twice in a semester, where subjective, objective papers and assignments are set by the concerned faculty. Internal continuous evaluation (15M) and internal exam (10M) for practical/ lab courses in which the evaluation is done by the concerned faculty. **External Assessment** The **SemesterEnd Examination** (SEE) for theory courses is conducted and evaluated by JNTUH University. The practical/lab external examinations are conducted/evaluated by internal and external examiners
CAYm2(2017-18)	**Internal Assessment** **Subjective test (10M), Objective/Quiz (10M) and assignment (5M)** for theory courses is conducted twice in a semester, where subjective, objective papers and assignments are set by the concerned faculty. Internal continuous evaluation (15M) and internal exam (10M) for practical/ lab courses in which the evaluation is done by the concerned faculty. **External Assessment** The **SemesterEnd Examination** (SEE) for theory courses is conducted and evaluated by JNTUH University. The practical/lab external examinations are conducted/evaluated by internal and external examiners
CAYm3(2016-17)	**Internal Assessment** **Subjective test (10M), Objective/Quiz (10M) and assignment (5M)** for theory courses is conducted thrice in the academic year, where subjective paper and assignments are set by the concerned faculty and objective paper is provided by the university. Internal continuous evaluation (15M) and internal exam (10M) for practical/ lab courses in which the evaluation is

	done by the concerned faculty. **External Assessment** The **Semester End Examination** (SEE) for theory courses is conducted and evaluated by JNTUH University. The practical/lab external examinations are conducted/evaluated by internal and external examiners

8.4.2 Record the attainment of course outcomes of all first year(5)

BRANCH:CSE

CSE	Subject Name	Attainment Level (AL)		
		Internal	External	Course Attainment
2020-21	Mathematics-I	3	0	0.75
	Chemistry	3	2	2.25
	Basics Electrical Engineering	3	1	1.5
	Engineering Workshop	3	3	3
	English	3	3	3
	Engineering Chemistry Lab	3	3	3
	English Language and Communication kills Lab	3	3	3
	Basic Electrical Engineering Lab	3	3	3
2019-20	Mathematics-I	3	3	3
	Chemistry	3	3	3
	Basics Electrical Engineering	3	3	3
	Engineering Workshop	3	3	3
	English	3	3	3
	Engineering Chemistry Lab	3	3	3
	English Language and Communication kills Lab	3	3	3
	Basic Electrical Engineering Lab	3	3	3
	Mathematics-II	3	3	3
	Applied Physics	3	3	3
	Programming for problem Solving	3	3	3
	Engineering Graphics	3	3	3
	Applied Physics Lab	3	3	3
	Programming for Problem Solving Lab	3	3	3
	Environmental Science	3	3	3
2018-19	Mathematics-I	3	0	0.75
	Chemistry	3	1	1.5
	Basics Electrical Engineering	3	0	0.75
	Engineering Workshop	3	3	3
	English	3	3	3
	Engineering Chemistry Lab	3	3	3
	English Language and Communication kills Lab	3	3	3

	Basic Electrical Engineering Lab	3	3	3
	Mathematics-II	2	3	2.75
	Applied Physics	3	3	3
	Programming for problem Solving	3	1	1.5
	Engineering Graphics	3	2	2.25
	Applied Physics Lab	3	3	3
	Programming for Problem Solving Lab	3	3	3
	Environmental Science	3	3	3
2017-18	Mathematics-I	3	3	3
	Engineering Chemistry	3	0	0.75
	Engineering Physics-I	3	3	3
	Professional Communication in English	3	3	3
	Engineering Mechanics	3	3	3
	Basic Electrical and Electronics Engineering	3	0	0.75
	English Language Communication Skills Lab	3	3	3
	Engineering Workshop	3	3	3
	Engineering Physics-II	3	3	3
	Mathematics-II	3	3	3
	Mathematics-III	3	3	3
	Computer Programming in C	3	1	1.5
	Engineering Graphics	3	3	3
	Engineering Chemistry Lab	3	3	3
	Engineering Physics Lab	3	3	3
	Computer Programming in C Lab	3	3	3
2016-17	Mathematics-I	3	1	1.5
	Engineering Chemistry	3	2	2.25
	Engineering Physics-I	3	2	2.25
	Professional Communication in English	3	3	3
	Engineering Mechanics	3	0	0.75
	Basic Electrical and Electronics Engineering	3	0	0.75
	English Language Communication Skills Lab	3	3	3
	Engineering Workshop	3	3	3
	Engineering Physics-II	3	2	2.25
	Mathematics-II	3	1	1.5
	Mathematics-III	3	3	3
	Computer Programming in C	3	3	3
	Engineering Graphics	3	3	3
	Engineering Chemistry Lab	3	3	3
	Engineering Physics Lab	3	3	3
	Computer Programming in C Lab	3	3	3

BRANCH:EEE

EEE	Subject Name	Attainment Level (AL)		
		Internal	External	Course Attainment
2020-21	Mathematics-I	2	0	0.5
	Chemistry	1	0	0.25
	Basics Electrical Engineering	3	0	0.75
	Engineering Workshop	3	3	3
	English	2	3	2.75
	Engineering Chemistry Lab	3	3	3
	English Language and Communication kills Lab	3	3	3
	Basic Electrical Engineering Lab	3	3	3
2019-20	Mathematics-I	3	3	3
	Chemistry	3	3	3
	Basics Electrical Engineering	3	2	2.5
	Engineering Workshop	3	3	3
	English	3	3	3
	Engineering Chemistry Lab	3	3	3
	English Language and Communication kills Lab	3	3	3
	Basic Electrical Engineering Lab	3	3	3
	Mathematics-II	3	1	1.5
	Applied Physics	3	3	3
	Programming for problem Solving	3	3	3
	Engineering Graphics	3	3	3
	Applied Physics Lab	3	3	3
	Programming for Problem Solving Lab	3	3	3
	Environmental Science	3	3	3
2018-19	Mathematics-I	3	0	0.75
	Chemistry	3	1	1.5
	Basics Electrical Engineering	3	0	0.75
	Engineering Workshop	3	3	3
	English	3	3	3
	Engineering Chemistry Lab	3	3	3
	English Language and Communication kills Lab	3	3	3
	Basic Electrical Engineering Lab	3	3	3
	Mathematics-II	3	1	1.5
	Applied Physics	3	3	3
	Programming for problem Solving	3	1	1.5
	Engineering Graphics	3	3	3
	Applied Physics Lab	3	3	3
	Programming for Problem Solving Lab	3	3	3
	Environmental Science	3	3	3

2017-18	Mathematics-I	3	2	2.25
	Engineering Chemistry	3	3	3
	Engineering Physics-I	3	3	3
	Professional Communication in English	3	3	3
	Engineering Mechanics	3	3	3
	Basic Electrical and Electronics Engineering	3	0	0.75
	English Language Communication Skills Lab	3	3	3
	Engineering Workshop	3	3	3
	Engineering Physics-II	3	1	1.5
	Mathematics-II	3	3	3
	Mathematics-III	3	3	3
	Computer Programming in C	3	0	0.75
	Engineering Graphics	3	3	3
	Engineering Chemistry Lab	3	3	3
	Engineering Physics Lab	3	3	3
	Computer Programming in C Lab	3	3	3
2016-17	Mathematics-I	3	0	0.75
	Engineering Chemistry	3	0	0.75
	Engineering Physics-I	3	0	0.75
	Professional Communication in English	3	3	3
	Engineering Mechanics	3	0	0.75
	Basic Electrical and Electronics Engineering	3	0	0.75
	English Language Communication Skills Lab	3	3	3
	Engineering Workshop	3	3	3
	Engineering Physics-II	3	0	0.75
	Mathematics-II	3	0	0.75
	Mathematics-III	3	0	0.75
	Computer Programming in C	3	0	0.75
	Engineering Graphics	3	0	0.75
	Engineering Chemistry Lab	3	3	3
	Engineering Physics Lab	3	3	3
	Computer Programming in C Lab	3	3	3

BRANCH:CIVIL

CIVIL	Subject Name	Attainment Level (AL)		
		Internal	External	Course Attainment
2020-21	Mathematics-I	3	0	0.75
	Engineering physics	3	0	0.75
	Engineering graphics	3	0	0.75
	Programming for problem solving	2	0	0.5
	Programming for problem solving lab	3	3	3
	Engineering physics lab	3	3	3
2019-20	Mathematics-I	3	3	3
	Engineering physics	3	3	3
	Engineering graphics	3	3	3
	Programming for problem solving	3	2	2.5
	Programming for problem solving lab	3	3	3
	Engineering physics lab	3	3	3
	Mathematics-II	3	2	2.25
	Engineering chemistry	3	3	3
	Engineering mechanics	3	3	3
	English	3	3	3
	Engineering chemistry lab	3	3	3
	English language communication skills lab	3	3	3
	Engineering work shop	3	3	3
2018-19	Mathematics-I	3	0	0.75
	Engineering physics	3	3	3
	Engineering graphics	3	0	0.75
	Programming for problem solving	3	0	0.75
	Programming for problem solving lab	3	3	3
	Engineering physics lab	3	3	3
	Engineering Chemistry	3	0	0.75
	Engineering Mechanics	3	3	3
	English	3	3	3
	Mathematics-II	3	1	1.5
	Engineering Chemistry lab	3	3	3
	English language and communication skills lab	3	3	3
	Engineering workshop	3	3	3
2017-18	Mathematics-I	3	3	3
	Engineering Chemistry	3	3	3
	Engineering Physics-I	3	3	3
	Professional Communication in English	3	3	3
	Engineering Mechanics	3	0	0.75
	Basic Electrical and Electronics Engineering	3	0	0.75

	English Language Communication Skills Lab	3	3	3
	Engineering Workshop	3	3	3
	Applied Physics	3	3	3
	Mathematics-II	3	2	2.25
	Mathematics-III	3	3	3
	Computer Programming in C	3	1	1.5
	Engineering Graphics	3	3	3
	Engineering Chemistry Lab	3	3	3
	Engineering Physics Lab	3	3	3
	Computer Programming in C Lab	3	3	3
2016-17	Mathematics-I	3	0	0.75
	Engineering Chemistry	3	0	0.75
	Engineering Physics-I	3	3	3
	Professional Communication in English	3	3	3
	Engineering Mechanics	3	0	0.75
	Basic Electrical and Electronics Engineering	3	0	0.75
	English Language Communication Skills Lab	3	3	3
	Engineering Workshop	3	3	3
	Applied Physics	3	0	0.75
	Mathematics-II	3	0	0.75
	Mathematics-III	3	0	0.75
	Computer Programming in C	3	0	0.75
	Engineering Graphics	3	3	3
	Engineering Chemistry Lab	3	3	3
	Engineering Physics Lab	3	3	3
	Computer Programming in C Lab	3	3	3

BRANCH:ECE

ECE	Subject Name	Attainment Level (AL)		
		Internal	External	Course Attainment
2020-21	Mathematics-I	3	0	0.75
	Applied physics	1	0	0.25
	Engineering graphics	3	2	2.25
	Programming for problem solving	3	3	3
	Programming for problem solving lab	3	3	3
	Applied physics lab	3	3	3
2019-20	Mathematics-I	3	2	2.25
	Applied physics	3	0	0.75
	Engineering graphics	3	1	1.5
	Programming for problem solving	3	3	3
	Programming for problem solving lab	3	3	3

	Applied physics lab	3	3	3
	Mathematics -II	3	0	0.75
	English	3	3	3
	Engineering chemistry	3	3	3
	Basic electrical engineering	3	3	3
	Basic electrical engineering lab	3	3	3
	Engineering chemistry lab	3	3	3
	English language communication skills lab	3	3	3
	Engineering work shop	3	3	3
2018-19	Mathematics-I	3	0	0.75
	Chemistry	3	2	2.25
	Basics Electrical Engineering	3	0	0.75
	Engineering Workshop	3	3	3
	English	3	3	3
	Engineering Chemistry Lab	3	3	3
	English Language and Communication kills Lab	3	3	3
	Basic Electrical Engineering Lab	3	3	3
	Mathematics-II	3	1	1.5
	Applied Physics	3	2	2.25
	Programming for problem Solving	3	0	0.75
	Engineering Graphics			
	Applied Physics Lab	3	3	3
	Programming for Problem Solving Lab	3	3	3
	Environmental Science	3	3	3
2017-18	Mathematics-I	3	0	0.75
	Engineering Chemistry	3	2	2.25
	Engineering Physics-I	3	2	2.25
	Professional Communication in English	3	3	3
	Engineering Mechanics	3	0	0.75
	Basic Electrical and Electronics Engineering	3	0	0.75
	English Language Communication Skills Lab	3	3	3
	Engineering Workshop	3	3	3
	Engineering Physics-II	3	0	0.75
	Mathematics-II	3	0	0.75
	Mathematics-III	3	3	3
	Computer Programming in C	3	0	0.75
	Engineering Graphics	3	2	2.25
	Engineering Chemistry Lab	3	3	3
	Engineering Physics Lab	3	3	3
	Computer Programming in C Lab	3	3	3

2016-17	Mathematics-I	3	0	0.75
	Engineering Chemistry	3	0	0.75
	Engineering Physics-I	3	0	0.75
	Professional Communication in English	3	0	0.75
	Engineering Mechanics	3	0	0.75
	Basic Electrical and Electronics Engineering	3	0	0.75
	English Language Communication Skills Lab	3	3	3
	Engineering Workshop	3	3	3
	Engineering Physics-II	3	0	0.75
	Mathematics-II	3	0	0.75
	Mathematics-III	3	0	0.75
	Computer Programming in C	3	0	0.75
	Engineering Graphics	3	2	2.25
	Engineering Chemistry Lab	3	3	3
	Engineering Physics-II Lab	3	3	3
	Computer Programming in C Lab	3	3	3

8.5 Attainment of Program Outcomes from first year course(20)

8.5.1 Indicate result of evaluation of such relevant PO and/ or PSO,if applicable(15)

POs - Attainment Levels and Actions for improvement – CAYM2 (2017-18)

PO attainment:

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C111	2.2478	2.4975	2.4975										2.7473	2.4975	
C112	0.5819	0.542	0.5819	0.2498			0.4995								
C113	2.997	1.998	1.998	1.998									2.3277	2.997	
C114				2.997						2.997					
C115	2.7972	1.998				1.998				2.997		1.998			
C116	0.5495	0.4995	0.6244			0.4995			0.6244		0.6244	0.6244			
C117									2.997	2.997		1.998			
C118	2.7972	1.998					1.998			2.997		1.998			
C121	2.4975	2.1678	2.997										2.2478	1.998	
C122	0.8325	0.999	0.8891										0.7759	0.8325	
C123	2.4975	2.3277	2.3277										2.6673	2.997	
C124	1.0839	0.999	1.0839	1.0989	1.1988							1.1638	1.0989	1.2488	0.999
C125	2.6673	2.6673		1.998								0.999			
C126	1.998	2.3277				2.3277	2.997		2.997						
C127	1.998	1.998	2.6673	2.1978	2.997					2.4975			2.2977	1.998	
C128	0.999	0.999	1.1588	1.8282	0.999							0.999	2.8272	2.5475	2.6573

PO attainment level:

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Direct Attainment	1.90	1.72	1.68	1.77	1.73	1.61	1.83		2.21	2.90	0.62	1.40	2.12	2.14	1.83

POs - Attainment Levels and Actions for improvement – CAYM1 (2018-19)

PO attainment:

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C111	0.6	0.58	0.69												0.62
C112	1.17	1.08	1.17	0.5			1					1.25			
C113	0.75	0.67	0.62	0.5					0.5			0.5			0.6
C114	2.8	2				2	2			3	2	2			2.5
C115						2		2	2	2					
C116	2	2.33				2.33	3		3						
C117									3	3		2			
C118	3	2.67	2.5	2					2			2			2.6
C121	2.292	2.75	2.447										2.13	2.292	
C122	2.5	2.17	3										2.25	2	
C123	0.67	1.25	0.67	0.58	0.67							0.75	0.5	0.75	0.75
C124	2	2		1.5								0.75		1.5	
C125	2	2	2.67	2.2	3					2.25			2.3	2	
C126	1	1	1.17	1.83	1							1	1	1.5	1.5
C127			2.17		3		3	2				2		2	

PO attainment level:

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Direct Attainment	1.73	1.70	1.71	1.30	1.91	2.11	2.25	2	2.1	2.56	2	1.40	1.63	1.72	1.42

POs - Attainment Levels and Actions for improvement – CAY (2019-20)

PO attainment:

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C111	0.62	0.55	0.68												2.5
C112	2.33	2.2	2.33	1			2					2.5			
C113	2.83	2.6	2.5	2					2			2			2.33
C114	2.83	2				2	2			3	2	2			2.5
C115						2		2	2	2					
C116	2	2.33				2.33	3		3						
C117									3	3		2			
C118	3	2.6	2.5	2					2			2			2.66
C121	2.5	3	2.6										2.33	2.5	
C122	2.5	2.16	3										2.25	2	
C123	1.33	2.5	1.33	1.16	1.33							1.5	1	1.5	1.5
C124	2.66	2.66		2								1		2	
C125	2	2	2.66	2.2	3					2.5			2.33	2	
C126	1	1	1.16	1.83	1							1	1	1.5	1.5
C127			2.17		3		3	2				2		2	

PO attainment level:

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Direct Attainment	2.13	2.13	2.08	1.74	1.77	2.11	2.33	2	2.4	2.62	2	1.75	1.78	1.91	2.16

8.5.2. Actions taken based on the results of evaluation of relevant Pos (The attainment levels by direct (student performance) are to be presented through Program level Course – PO matrix as indicated)(5)

POs Attainment Levels and Actions for improvement (2017-18)

POs	Target Level	Attainment Level	Observations
PO1: Engineering knowledge			
PO 1	1.9	1.9	Target attained
Action1: The target for the next assessment year is reset with the attained value (1.9).The POAC suggested mentors to identify the difficult are as of the courses C112&C116 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO2: Problem analysis			
PO 2	1.7	1.7	Target attained
Action1: The target for the next assessment year is reset with the attained value (1.7).The POAC suggested mentors to identify the difficult are as of the courses C112&116 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO3: Design/development of solutions			
PO 3	1.9	1.6	Target not attained List of courses with low PO-4 attainment values are C112
The Courses namely C112 shall be concentrated for the next academic year as they have low PO-4 attained values. The target value (1.9) set same for next academic year. **Action 1**: Review the basic concepts of Engineering chemistry **Action 2**: Additional classes need to be conduct to understand the "Engineering chemistry" concepts.			
PO4: Conduct investigations of complex problems			
PO 4	1.1	1.7	Target attained
Action1: The target for the next assessment year is reset with the attained value (1.7).The POAC suggested mentors to identify the difficult are as of the courses C112&116 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			

PO5: Modern tool uses			
PO 5	1.2	1.6	Target attained
Action1: The target for the next assessment year is reset with the attained value (1.6).The POAC suggested mentors to identify the difficult are as of the courses C128 which have lo attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO6:The engineer and society			
PO 6	1.3	1.7	Target attained
Action1: The target for the next assessment year is reset with the attained value (1.7).The POAC suggested mentors to identify the difficult are as of the courses C128 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO7: Environment and sustainability			
PO 7	1.3	1.8	Target attained
Action1: The target for the next assessment year is reset with the attained value (1.8).The POAC suggested mentors to identify the difficult are as of the courses C112 which have lo attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO8: Ethics			
PO 8	0	0	Target attained
Action1: The target for the next assessment year is reset to value (1.0).			
PO9: Individual and team work			
PO 9	1.1	2.2	Target attained
Action1: The target for the next assessment year is reset with the attained value (2.2).The POAC suggested mentors to identify the difficult are as of the courses C116 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO10: Communication			
PO 10	1.4	2.9	Target attained
Action1: The target for the next assessment year is reset with the attained value (2.9).The POAC suggested mentors to identify the difficult are as of the courses C117 which have lo attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			

PO11:Project management and finance			
PO 11	0	0.62	Target attained
Action1: The target for the next assessment year is reset with the attained value (1.0).			
PO12: Life-long learning			
PO 12	1.82	1.4	Target not attained List of courses with low PO-12 attainment values are C116
The Courses namely C116 shall be concentrated for the next academic year as they have low PO-12 attained values. The target value (1.8) set same for next academic year. **Action 1**: Review the basic concepts of Basic Electrical Engineering" concepts. **Action 2**: Additional classes need to be conduct to understand the "Basic Electrical Engineering" concepts.			

PSOs Attainment Levels and Actions for Improvement- (2017-18)

PSO 1: Computing Techniques: Apply the knowledge about principle of programming languages, computer algorithms, databases, system software and computer network for the interconnection.			
PSO 1	1.5	2.12	Target attained
Action1: The target for the next assessment year is reset with the attained value (2.12).The POAC suggested mentors to identify the difficult are as of the courses C124 which have lo attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PSO 2 : Computer product and Application Development: Interpret and analyze the problem, formulate an efficient hardware and software solution for the real world Socio - industry related problems and needs using computing methodologies and latest technologies.			
PSO 2	1.5	2.14	Target attained
Action1: The target for the next assessment year is reset with the attained value (2.14).The POAC suggested mentors to identify the difficult are as of the courses C124 which have lo attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			

PSO 3 : Successful Career and Entrepreneurship Perspectives: Fulfilling desire by attaining employment, excel in competitive examinations, higher studies, research and initiate startups			
PSO 3	1.59	1.83	Target attained
Action1: The target for the next assessment year is reset with the attained value (1.83).The POAC suggested mentors to identify the difficult are as of the courses C116 which have lo attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			

POs Attainment Levels and Actions for improvement (2018-19)

POs	**Target Level**	**Attainment Level**	**Observations**
PO1: Engineering knowledge			
PO 1	1.9	1.7	Target not attained List of courses with low PO-1 attainment values are C111
The Courses namely C111 shall be concentrated for the next academic year as they have low PO-1 attained values. The target value (1.9) set same for next academic year. Action 1: Review the basic concepts of Engineering Mathematics Action 2: Additional classes need to be conduct to understand the "Mathematics-1" concepts.			
PO2: Problem analysis			
PO 2	1.7	1.7	Target attained
Action1: The target for the next assessment year is reset with the attained value (1.71).The POAC suggested mentors to identify the difficult are as of the courses C111 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			

PO3: Design/development of solutions			
PO 3	1.6	1.7	Target attained
Action1: The target for the next assessment year is reset with the attained value (1.7).The POAC suggested mentors to identify the difficult are as of the courses C113 and C123 which have lo attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO4: Conduct investigations of complex problems			
PO 4	1.7	1.3	Target not attained List of courses with low PO-4 attainment values are C112
The Courses namely C112 shall be concentrated for the next academic year as they have low PO-4 attained values. The target value (1.7) set same for next academic year. Action 1: Review the basic concepts of Engineering Chemistry Action 2: Additional classes need to be conduct to understand the "Engineering Chemistry" concepts.			
PO5: Modern tool uses			
PO 5	1.7	1.9	Target attained
Action1: The target for the next assessment year is reset with the attained value (1.9).The POAC suggested mentors to identify the difficult are as of the courses C123 which have lo attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO6:The engineer and society			
PO 6	1.6	2.1	Target attained
Action1: The target for the next assessment year is reset with the attained value (2.1).The POAC suggested mentors to identify the difficult are as of the courses C115 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			

PO7: Environment and sustainability			
PO 7	1.8	2.2	Target attained
Action1: The target for the next assessment year is reset with the attained value (2.2).The POAC suggested mentors to identify the difficult are as of the courses C112 which have lo attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO8: Ethics			
PO 8	0	2.0	Target attained
Action1: The target for the next assessment year is reset with the 10% of attained value (2.0).The POAC suggested mentors to identify the difficult are as of the courses C115 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO9: Individual and team work			
PO 9	2.2	2.1	Target not attained List of courses with low PO-9 attainment values are C113
The Courses namely C113 shall be concentrated for the next academic year as they have low PO-9 attained values. The target value (2.2) set same for next academic year. Action 1: Review the basic concepts of Basic Electrical Engineering Action 2: Additional classes need to be conduct to understand the "Basic Electrical Engineering" concepts.			
PO10: Communication			
PO 10	2.9	2.56	Target not attained List of courses with low PO-10attainment values are C115
The Courses namely C115 shall be concentrated for the next academic year as they have low PO-10 attained values. The target value (2.9) set same for next academic year.			

Action 1: Review the basic concepts of English subject Action 2: Additional classes need to be conduct to understand the "English " concepts.			
PO11:Project management and finance			
PO 11	0.62	2.0	Target attained
Action1: The target for the next assessment year is reset with the attained value (2.0).The POAC suggested mentors to identify the difficult are as of the courses C114 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO12: Life-long learning			
PO 12	1.4	1.4	Target attained
Action1: The target for the next assessment year is reset with the attained value (1.4).The POAC suggested mentors to identify the difficult are as of the courses C113 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			

PSOs Attainment Levels and Actions for Improvement- (2018-19)

PSOs	Target Level	Attainment Level	Observations
PSO 1 : Computing Techniques: Apply the knowledge about principle of programming languages, computer algorithms, databases, system software and computer network for the interconnection.			
PSO 1	2.1	1.6	Target not attained List of courses with low PSO-1 attainments are C123
The Courses namely C123 shall be concentrated for the next academic year as they have low PSO-1 attained values. The target value (2.1) set same for next academic year.			

Action 1: Review the basic concepts of Programming C Action 2: Additional classes need to be conduct to understand the "Computer Programming in C" concepts.
PSO 2 : Computer product and Application Development: Interpret and analyze the problem, formulate an efficient hardware and software solution for the real world Socio - industry related problems and needs using computing methodologies and latest technologies.

PSO 2	2.1	1.7	Target not attained List of courses with low PSO-2 attainments are C123

The Courses namely C123 shall be concentrated for the next academic year as they have low PSO-2 attained values. The target value (2.1) set same for next academic year. Action 1: Review the basic concepts of Programming C Action 2: Additional classes need to be conduct to understand the "Computer Programming in C" concepts.
PSO 3 : Successful Career and Entrepreneurship Perspectives: Fulfilling desire by attaining employment, excel in competitive examinations, higher studies, research and initiate startups

PSO 3	1.8	1.4	Target not attained List of courses with low PSO-3 attainments are C113

The Courses namely C113 shall be concentrated for the next academic year as they have low PSO-3 attained values. The target value (1.8) set same for next academic year. Action 1: Review the basic concepts of Basic electrical engineering Action 2: Additional classes need to be conduct to understand the " Basic electrical engineering " concepts.

. Actions taken based on the results of evaluation of relevant POs
(The attainment levels by direct (student performance) are to be presented through Program level Course – PO matrix as indicated)

POs Attainment Levels and Actions for improvement (2019-20)

POs	Target Level	Attainment Level	Observations
PO1: Engineering knowledge			
PO 1	1.73	2.1	Target attained
Action1: The target for the next assessment year is reset with the attained value (2.1).The POAC suggested mentors to identify the difficult are as of the courses C111 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO2: Problem analysis			
PO 2	1.70	2.1	Target attained
Action1: The target for the next assessment year is reset with the attained value (2.1).The POAC suggested mentors to identify the difficult are as of the courses C111 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO3: Design/development of solutions			
PO 3	1.71	2.08	Target attained
Action1: The target for the next assessment year is reset with the attained value (2.08).The POAC suggested mentors to identify the difficult are as of the courses C111 which have lo attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO4: Conduct investigations of complex problems			
PO 4	1.30	1.74	Target attained
Action1: The target for the next assessment year is reset with the attained value (1.74).The POAC suggested mentors to identify the difficult are as of the courses C112 which have lo attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO			

attainment for the next assessment year			
PO5: Modern tool uses			
PO 5	1.91	1.77	Target not attained List of courses with low PO-5 attainment values are C126
The Courses namely C126 shall be concentrated for the next academic year as they have low PO-5 attained values. The target value (1.91) set same for next academic year. **Action 1**: Review the basic concepts of Computer Programming in C **Action 2**: Additional classes need to be conduct to understand the "Computer Programming in C" concepts.			
PO6:The engineer and society			
PO 6	2.11	2.11	Target attained
Action1: The target for the next assessment year is reset with the attained value (2.11).The POAC suggested mentors to identify the difficult are as of the courses C114 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO7: Environment and sustainability			
PO 7	2.25	2.3	Target attained
Action1: The target for the next assessment year is reset with the attained value (2.3).The POAC suggested mentors to identify the difficult are as of the courses C112 which have lo attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO8: Ethics			
PO 8	2.0	2.0	Target attained
Action1: The target for the next assessment year is reset with the 10% of attained value (2.0).The POAC suggested mentors to identify the difficult are as of the courses C115 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO9: Individual and team work			
PO 9	2.1	2.4	Target attained

Action1: The target for the next assessment year is reset with the attained value (2.4).The POAC suggested mentors to identify the difficult are as of the courses C113 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO10: Communication			
PO 10	2.56	2.62	Target attained
Action1: The target for the next assessment year is reset with the attained value (2.62).The POAC suggested mentors to identify the difficult are as of the courses C115 which have lo attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO11:Project management and finance			
PO 11	2.0	2.0	Target attained
Action1: The target for the next assessment year is reset with the attained value (2.0).The POAC suggested mentors to identify the difficult are as of the courses C114 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PO12: Life-long learning			
PO 12	1.36	1.75	Target attained
Action1: The target for the next assessment year is reset with the attained value (1.75).The POAC suggested mentors to identify the difficult are as of the courses C126 which have low attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			

PSOs Attainment Levels and Actions for Improvement- (2019-20)

PSOs	Target Level	Attainment Level	Observations
PSO 1 : Computing Techniques: Apply the knowledge about principle of programming languages, computer algorithms, databases, system			

software and computer network for the interconnection.			
PSO 1	1.63	1.78	Target attained
Action1: The target for the next assessment year is reset with the attained value (1.78).The POAC suggested mentors to identify the difficult are as of the courses C123&C126 which have lo attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PSO 2 : Computer product and Application Development: Interpret and analyze the problem, formulate an efficient hardware and software solution for the real world Socio - industry related problems and needs using computing methodologies and latest technologies.			
PSO 2	1.72	1.91	Target attained
Action1: The target for the next assessment year is reset with the attained value (1.91).The POAC suggested mentors to identify the difficult are as of the courses C123 which have lo attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			
PSO 3 : Successful Career and Entrepreneurship Perspectives: Fulfilling desire by attaining employment, excel in competitive examinations, higher studies, research and initiate startups			
PSO 3	1.42	2.16	Target attained
Action1: The target for the next assessment year is reset with the attained value (2.16).The POAC suggested mentors to identify the difficult are as of the courses C126 which have lo attainment value and to advice the forthcoming students to focus on the difficult areas so as to improve PO attainment for the next assessment year.			

CRITERION 9	STUDENT SUPPORT SYSTEMS	50

9.1: MENTORING SYSTEM TO HELP AT INDIVIDUAL LEVELS(5)

The institution is able to achieve visionary goals and able to attain the set targets believed to be effective by implementation of mentoring system. Counseling is the activity that provides assistance, advice and guidance to the students to overcome their personal problems and difficulties in academics. The mentor continuously monitors the performance of the students and guides them for overall growth and development. The faculty advisor also maintains an excellent rapport with parents who are informed of the progress of their wards on regular basis.

Structure of mentoring system:

Class In charges and class representatives (CRs) are nominated for each section in the beginning of every semester. In addition, one faculty mentor is nominated for a group of 15 students.

The structure of mentoring system in KITSW is as follows:

Number of faculty mentors : All the Faculty Members

Number of students per mentor : 15

Frequency of Meeting : Twice in a semester or as and when needed

Mentor Card:

Every student is registered with a mentor and provided with a MENTOR CARD. The following data is furnished by the mentor in the mentor card:

1. Student personal information.
2. Student academic progress.
3. Details of counseling the Student.
4. Teacher – Parent Communication Report.
5. The structure of a mentor card is shown in figure 9.1 a.

KODADA INSTITUTE OF TECHNOLOGY AND SCIENCE FOR WOMEN
NEAR RANAGNI GUDI, ANANTHAGIRI ROAD, KODAD-508206, SURYAPET DIST, TELANGANA

SAMPLE MENTOR'S RECORD

KODADA INSTITUTE OF TECHNOLOGY AND SCIENCE FOR WOMEN
NEAR RANAGNI GUDI, ANANTHAGIRI ROAD, KODAD-508206, SURYAPET DIST, TELANGANA

RECORD OF STUDENT MENTORING / COUNSELLING

Personal Data:

Name of student: Gadhamsetty . Srividya

Roll no: 14601A0528

Department/Program: CSE

Date of Birth: 16-08-1997

Father Name: Gadham setty . chandra Sekhar

Mother Name: Gadham setty . Shailaja

Caste: OC

Contact Details (Personal): 9866522672

Contact Details (Father/Mother/Guardian): 8978778111

Mail Id: Srividya16528@gmail.com

Aadhar Number: 4859 6397 4689

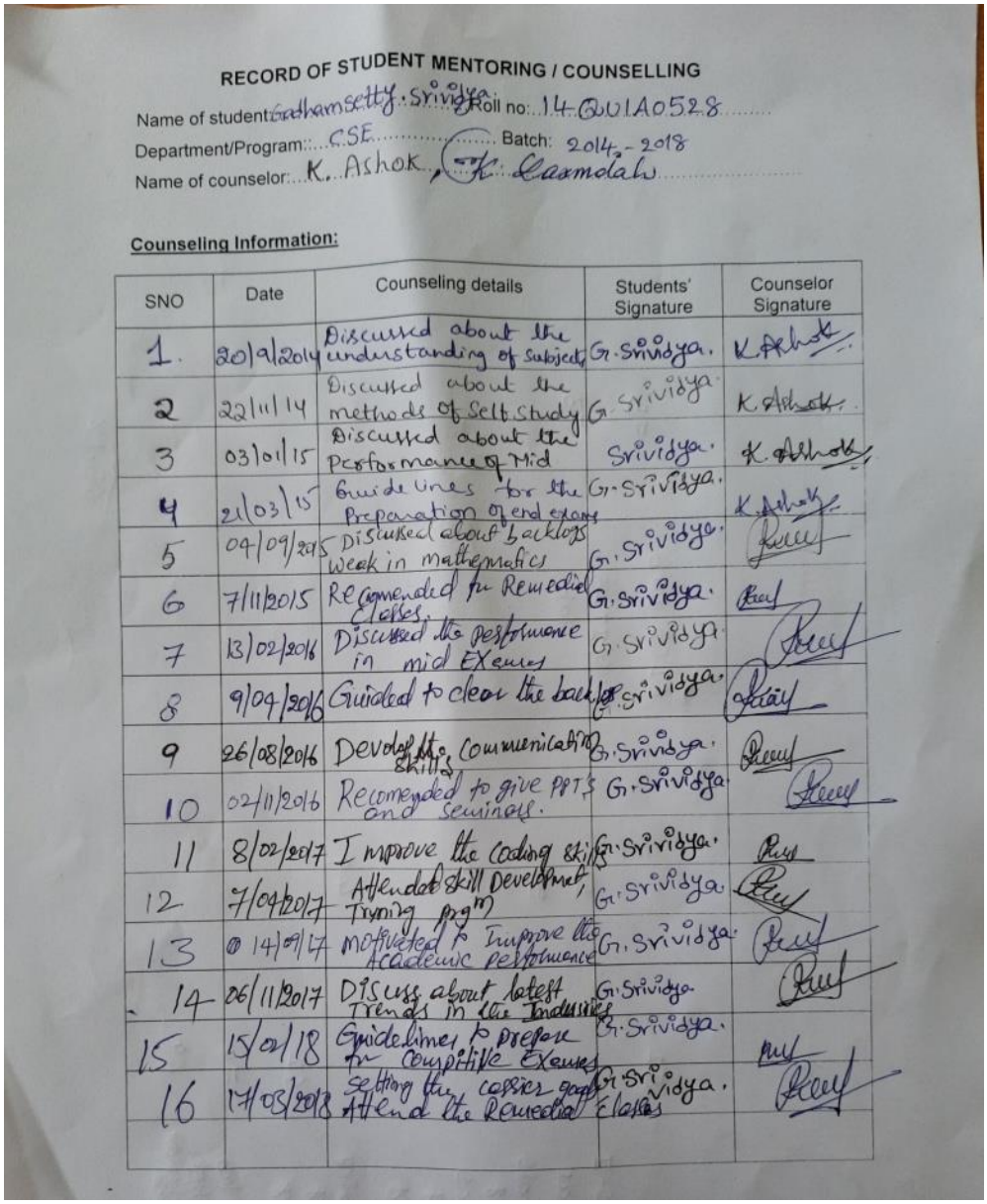
Address: 2-41/A , cheruvu bazar , Kodad, Suryapet

SSC %: 87%

INTER %: 66%

Eamcet Rank: 1,50,706

Eamcet HTNO: 3012375



RECORD OF STUDENT MENTORING / COUNSELLING

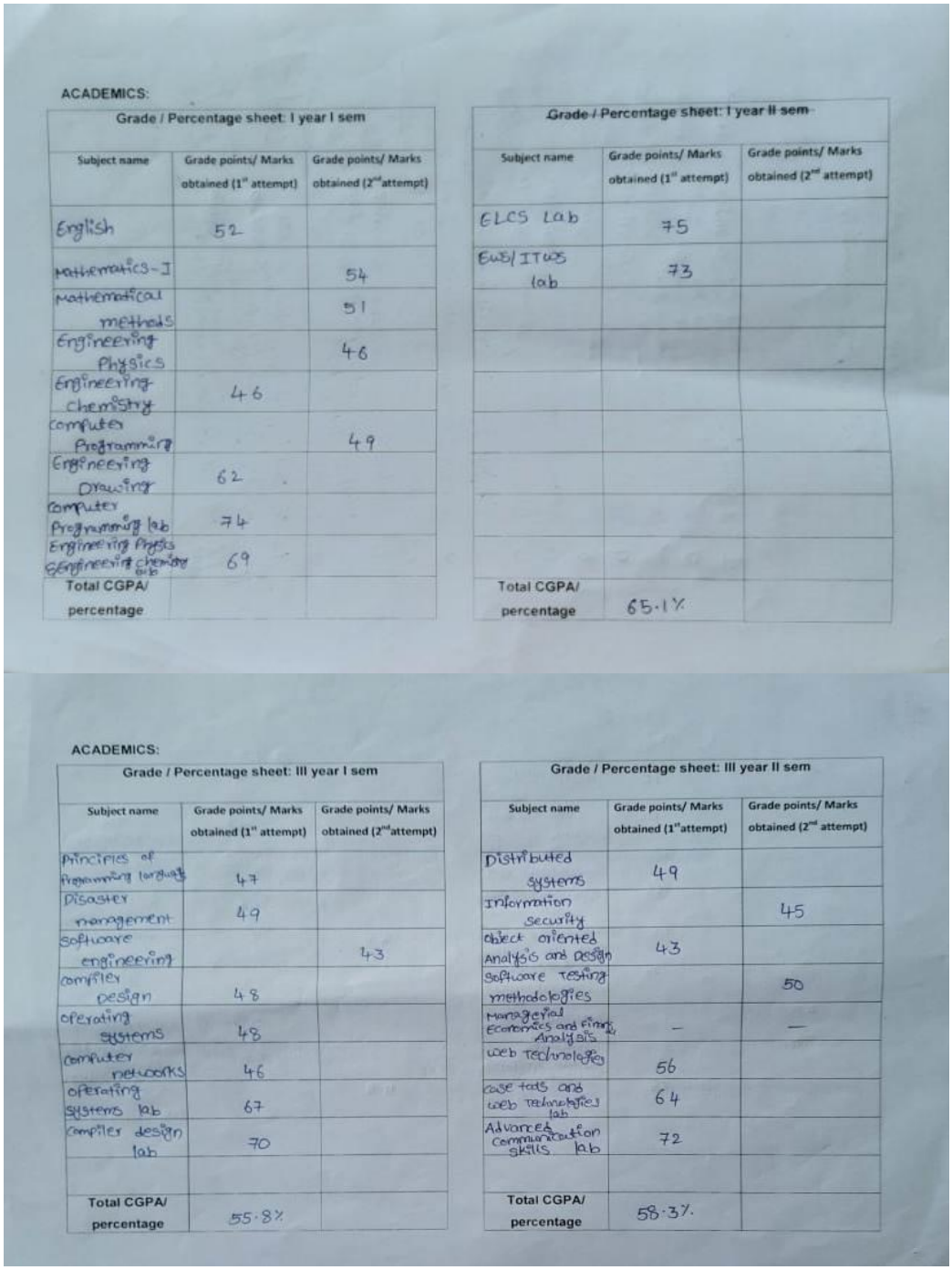
Name of student: Gudhamsetty. Srividya Roll no: 14-CU1A0528

Department/Program: CSE Batch: 2014 - 2018

Name of counselor: K. Ashok, K. Laxmaiah

Counseling Information:

SNO	Date	Counseling details	Students' Signature	Counselor Signature
1.	20/9/2014	Discussed about the understanding of subject	G. Srividya.	K. Ashok
2	22/11/14	Discussed about the methods of Self Study	G. Srividya	K. Ashok
3	03/01/15	Discussed about the Performance of Mid	Srividya.	K. Ashok
4	21/03/15	Guide lines for the Preparation of end exams	G. Srividya.	K. Ashok
5	04/09/2015	Discussed about backlogs Week in mathematics	G. Srividya.	
6	7/11/2015	Recommended for Remedial Classes.	G. Srividya.	
7	13/02/2016	Discussed the performance in mid Exams	G. Srividya	
8	9/04/2016	Guided to clear the backlogs	G. Srividya.	
9	26/08/2016	Develop the communicating skills	G. Srividya.	
10	02/11/2016	Recomended to give PPT's and Seminars.	G. Srividya	
11	8/02/2017	I mprove the coding skills	G. Srividya.	
12	7/04/2017	Attended skill Development Training prgm	G. Srividya	
13	@ 14/09/17	motivated to Improve the Academic performance	G. Srividya.	
14	06/11/2017	Discuss about latest Trends in the Industries	G. Srividya.	
15	15/01/18	Guidelines to prepare for Competitive Exams	G. Srividya.	
16	17/03/2018	setting the carrier goals Attend the Remedial Classes	G. Srividya.	



ACADEMICS:

Grade / Percentage sheet: I year I sem

Subject name	Grade points/ Marks obtained (1st attempt)	Grade points/ Marks obtained (2nd attempt)
English	52	
Mathematics-I		54
Mathematical methods		51
Engineering Physics		46
Engineering Chemistry	46	
Computer Programming		49
Engineering Drawing	62	
Computer Programming lab	74	
Engineering Physics Engineering chemistry lab	69	
Total CGPA/ percentage		

Grade / Percentage sheet: I year II sem

Subject name	Grade points/ Marks obtained (1st attempt)	Grade points/ Marks obtained (2nd attempt)
ELCS Lab	75	
EWS/ITWS lab	73	
Total CGPA/ percentage	65.1%	

ACADEMICS:

Grade / Percentage sheet: III year I sem

Subject name	Grade points/ Marks obtained (1st attempt)	Grade points/ Marks obtained (2nd attempt)
Principles of Programming language	47	
Disaster management	49	
Software engineering		43
Compiler design	48	
Operating systems	48	
Computer networks	46	
Operating systems lab	67	
Compiler design lab	70	
Total CGPA/ percentage	55.8%	

Grade / Percentage sheet: III year II sem

Subject name	Grade points/ Marks obtained (1st attempt)	Grade points/ Marks obtained (2nd attempt)
Distributed systems	49	
Information security		45
Object oriented Analysis and design	43	
Software testing methodologies		50
Managerial Economics and Financial Analysis	–	—
Web Technologies	56	
Case tools and web technologies lab	64	
Advanced communication skills lab	72	
Total CGPA/ percentage	58.3%	

ACADEMICS:

Grade / Percentage sheet: III year I sem

Subject name	Grade points/ Marks obtained (1st attempt)	Grade points/ Marks obtained (2nd attempt)
Principles of Programming Languages	47	
Disaster management	49	
Software engineering		43
Compiler design	48	
Operating systems	48	
Computer networks	46	
Operating systems lab	67	
Compiler design lab	70	
Total CGPA/ percentage	55.8%	

Grade / Percentage sheet: III year II sem

Subject name	Grade points/ Marks obtained (1st attempt)	Grade points/ Marks obtained (2nd attempt)
Distributed systems	49	
Information security		45
Object oriented Analysis and design	43	
Software testing methodologies		50
Managerial Economics and Financial Analysis	–	–
Web technologies	56	
Case tools and web technologies lab	64	
Advanced communication skills lab	72	
Total CGPA/ percentage	58.3%	

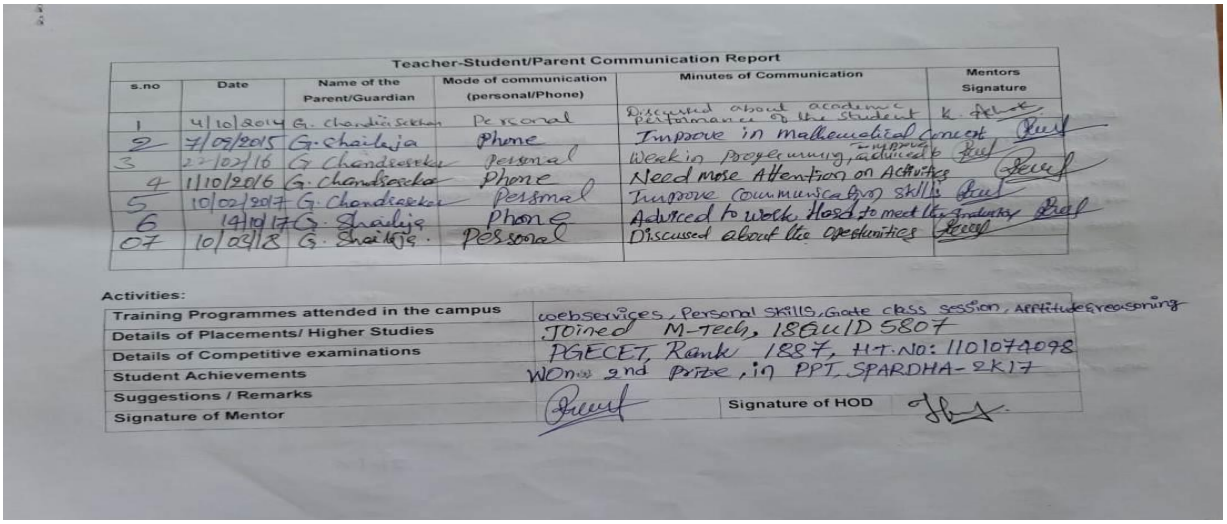
ACADEMICS:

Grade / Percentage sheet: IV year I sem

Subject name	Grade points/ Marks obtained (1st attempt)	Grade points/ Marks obtained (2nd attempt)
Linux Programming	45	
Design Patterns	45	
Data warehousing and Data mining	–	–
Cloud computing	60	
Software Project management	56	
Information Retrieval systems	74	
Linux Programming lab	63	
Data warehousing and mining lab	69	
Total CGPA/ percentage	64%	

Grade / Percentage sheet: IV year II sem

Subject name	Grade points/ Marks obtained (1st attempt)	Grade points/ Marks obtained (2nd attempt)
Management science	48	
Semantic web and social networks	46	
Embedded systems		47
Industry oriented mini Project	45	
Seminar	40	
Project work	189	
Comprehensive viva	83	
Total CGPA/ percentage	71.1%	



Teacher-Student/Parent Communication Report

s.no	Date	Name of the Parent/Guardian	Mode of communication (personal/Phone)	Minutes of Communication	Mentors Signature
1	4/10/2014	G. Chandrasekhar	Personal	Discussed about academic performance of the student	K. Ashok
2	7/09/2015	G. Chaitanya	Phone	Improve in Mathematical concept	Prof
3	22/07/16	G. Chandrasekhar	Personal	Weak in Programming, advised to improve	Prof
4	1/10/2016	G. Chandrasekhar	Phone	Need more Attention on Activities	Prof
5	10/02/2017	G. Chandrasekhar	Personal	Improve Communication skills	Prof
6	14/11/17	G. Shailaja	Phone	Advised to work Hard to meet the Industry	Prof
07	10/02/18	G. Shailaja	Personal	Discussed about the opportunities	Prof

Activities:

Training Programmes attended in the campus	webservices, Personal SKILLS, Gate class session, Aptitude & reasoning
Details of Placements/ Higher Studies	JOined M-Tech, 18QUID 5807
Details of Competitive examinations	PGECET, Rank 1887, H.T.NO: 1101072098
Student Achievements	WON 2nd Prize, in PPT, SPARDHA-2K17
Suggestions / Remarks	
Signature of Mentor	Signature of HOD

Fig 9.1 a : Sample Mentor Record

Objectives of Mentoring System:

To provide able guidance to students towards achieving *professional fulfillment*, *assessment of his/her academic progress* as well as *personal growth*. The students are also advised on the following ***routine aspects***:

- ✓ Backlogs and how to clear.
- ✓ Performance in mid/lab/End Examination.
- ✓ Attendance.
- ✓ Performance in the class.
- ✓ Personal problems/difficulties if any.

Efficacy of Mentoring System:

The mentoring system developed by the institute has been proved to be effective considering the following parameters:

- ✓ Reduced detention
- ✓ The involvement of students in the academics, co-curricular and extra- curricular whether improved.
- ✓ Keen interaction is made possible as number of students per mentor is limited and individual's talent is identified and encouraged towards excellence.
- ✓ Better discipline
- ✓ Better communication skills in students

Types of Mentoring:

The following figure illustrates types of mentoring.

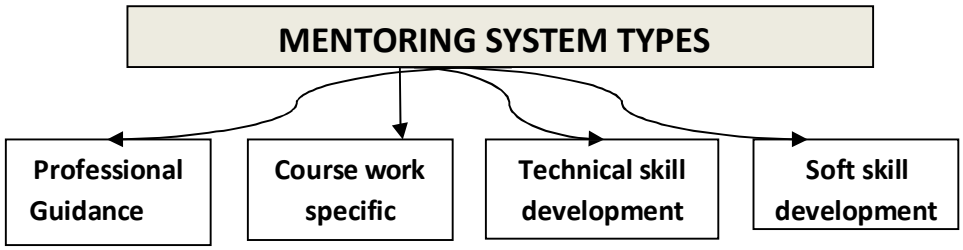


Fig: KITS for Women- Types of Mentoring Systems

Professional Guidance: Mentors counsel students regarding professional goals, selection of career and higher education.

Course work specific: Mentors counsel students regarding:

- ✓ Attendance and performance in present and previous semesters.
- ✓ Requirement of remedial and prerequisite courses.
- ✓ Requirement of Guest Lectures.
- ✓ Explain students do's and don'ts in the laboratories.
- ✓ To give feedback regarding quality of teaching.
- ✓ Explain the facilities in laboratories.

Technical skill development: Mentors encourage students to:
To prepare research papers and present in symposiums.

Soft skill development: Mentors counsel students regarding:

- ✓ To improve the communication skills, mentors explain the importance of English communication lab of the UG Curriculum to students.

9.2: FEEDBACK ANALYSIS AND REWARD / CORRECTIVE MEASURES TAKEN, IF ANY (10)

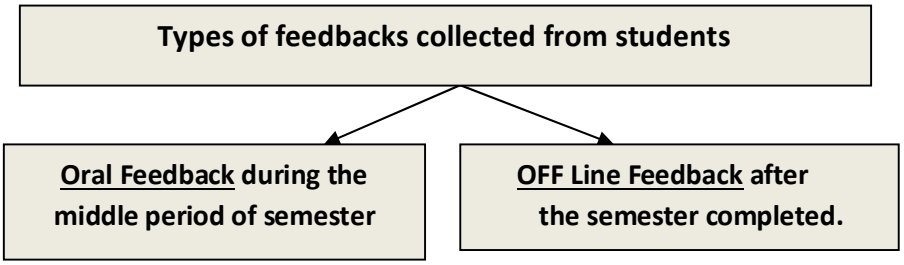
The college has a mechanism for evaluation of teachers with the help of taking feedback from the students.

- The feedback is collected from the students twice in a semester on each course. The feedback helps to

appraise a faculty on various parameters and helps to determine the degree of enhancement required for various parameters.

- The performance of the faculty is evaluated with this feedback in various aspects such as punctuality, completion of syllabus, effectiveness in teaching etc. on a five point scale. The feedback helps in the assessment of faculty strengths, weaknesses and improves the quality of teaching-learning process.
- The HOD and senior professor counsel the faculty members to improve the aspects that need improvement.
- The course teachers employ suitable mechanisms such as taking extra classes, personal guidance, provision of additional study material etc. to ensure that each student understands the course well.

Types of feedbacks collected from students:



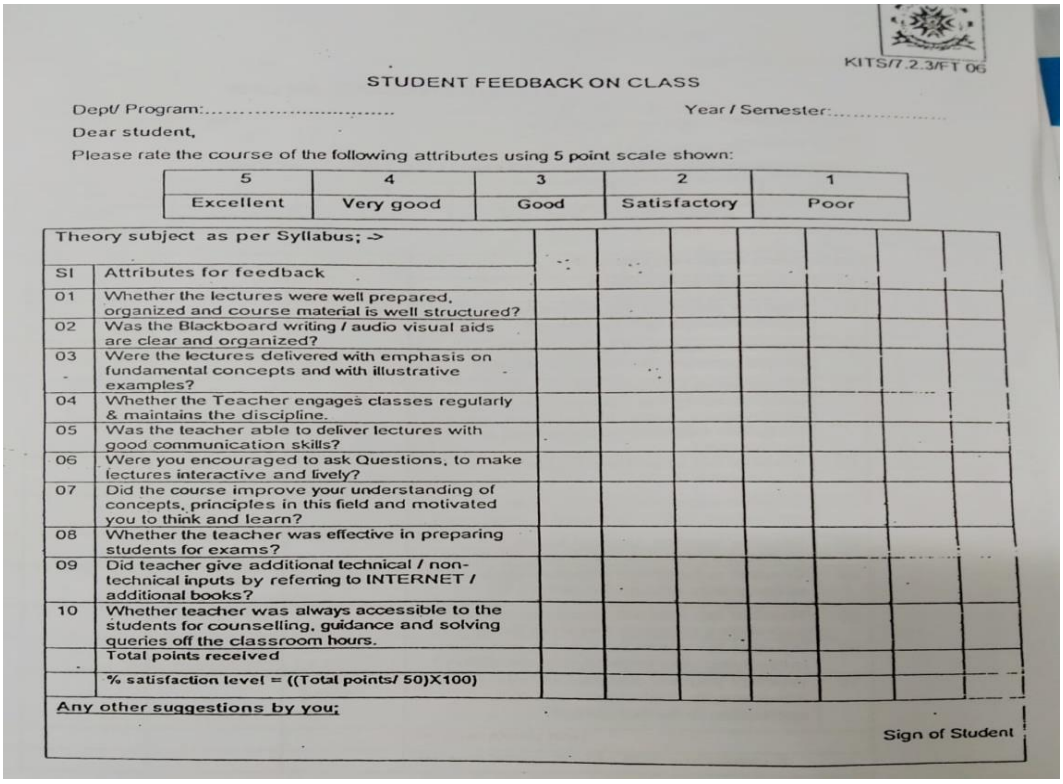
Oral Feedback It is an informal mid-semester feedback is collected from the students in the middle of each semester for each course. It helps to assess the coverage of syllabus and identify the difficulties in learning.

Off Line Feedback : It is the semester-end feedback helps to refine the teaching-learning process at the end of the semester. The effectiveness of this process is evident from the subsequent Internal Assessment results. The Off Line feedback is calculated as **Percentile (%)** of the values given by the all the students. The feedback is reviewed by the principal and then sent to the HOD of each department for their necessary action.

The feedback form has been designed to include effective feedback questionnaire. It consists of following items as shown in the sample feedback Performa given below:

Parameters for Offline Student Feedback

Students express their satisfaction level of faculty on these parameters.



KITS/7.2.3/FT 06

STUDENT FEEDBACK ON CLASS

Dept/ Program:..... Year / Semester:.....

Dear student,

Please rate the course of the following attributes using 5 point scale shown:

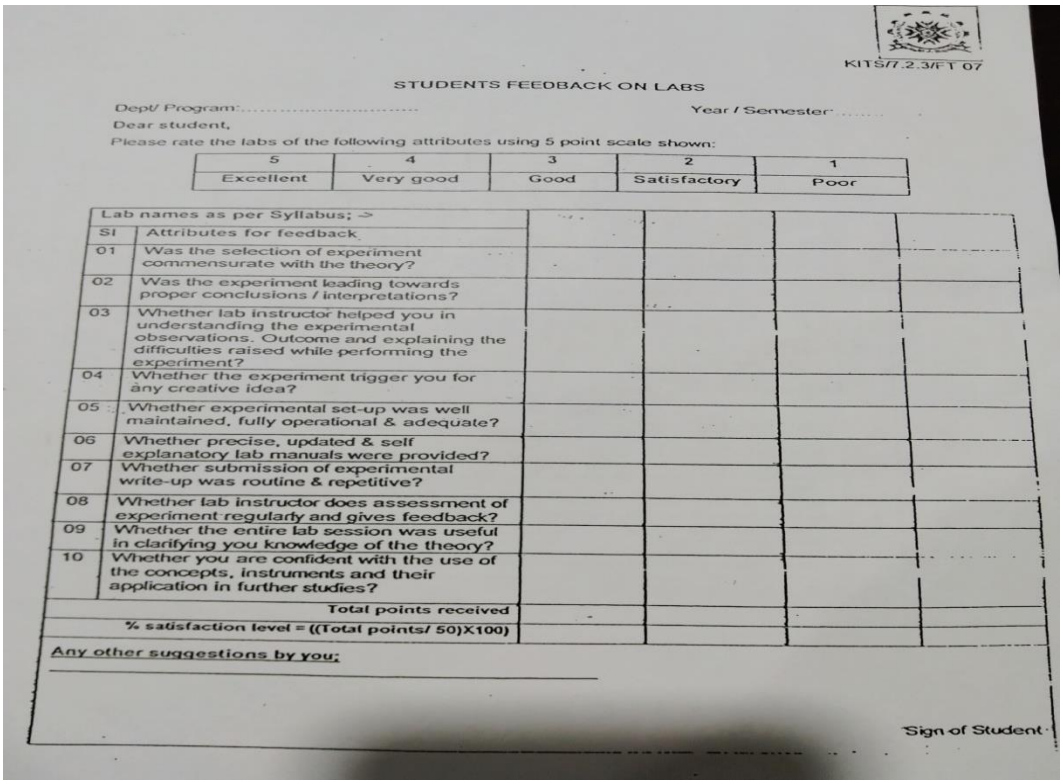
5	4	3	2	1
Excellent	Very good	Good	Satisfactory	Poor

Theory subject as per Syllabus; ->								
Sl	Attributes for feedback							
01	Whether the lectures were well prepared, organized and course material is well structured?							
02	Was the Blackboard writing / audio visual aids are clear and organized?							
03	Were the lectures delivered with emphasis on fundamental concepts and with illustrative examples?							
04	Whether the Teacher engages classes regularly & maintains the discipline.							
05	Was the teacher able to deliver lectures with good communication skills?							
06	Were you encouraged to ask Questions, to make lectures interactive and lively?							
07	Did the course improve your understanding of concepts, principles in this field and motivated you to think and learn?							
08	Whether the teacher was effective in preparing students for exams?							
09	Did teacher give additional technical / non-technical inputs by referring to INTERNET / additional books?							
10	Whether teacher was always accessible to the students for counselling, guidance and solving queries off the classroom hours.							
	Total points received							
	% satisfaction level = ((Total points/ 50)X100)							

Any other suggestions by you;

Sign of Student

Student Feedback Form on course



KITS/7.2.3/FT 07

STUDENTS FEEDBACK ON LABS

Dept/ Program:..... Year / Semester:.....

Dear student,

Please rate the labs of the following attributes using 5 point scale shown:

5	4	3	2	1
Excellent	Very good	Good	Satisfactory	Poor

Lab names as per Syllabus; ->					
Sl	Attributes for feedback				
01	Was the selection of experiment commensurate with the theory?				
02	Was the experiment leading towards proper conclusions / interpretations?				
03	Whether lab instructor helped you in understanding the experimental observations. Outcome and explaining the difficulties raised while performing the experiment?				
04	Whether the experiment trigger you for any creative idea?				
05	Whether experimental set-up was well maintained, fully operational & adequate?				
06	Whether precise, updated & self explanatory lab manuals were provided?				
07	Whether submission of experimental write-up was routine & repetitive?				
08	Whether lab instructor does assessment of experiment regularly and gives feedback?				
09	Whether the entire lab session was useful in clarifying you knowledge of the theory?				
10	Whether you are confident with the use of the concepts, instruments and their application in further studies?				
	Total points received				
	% satisfaction level = ((Total points/ 50)X100)				

Any other suggestions by you;

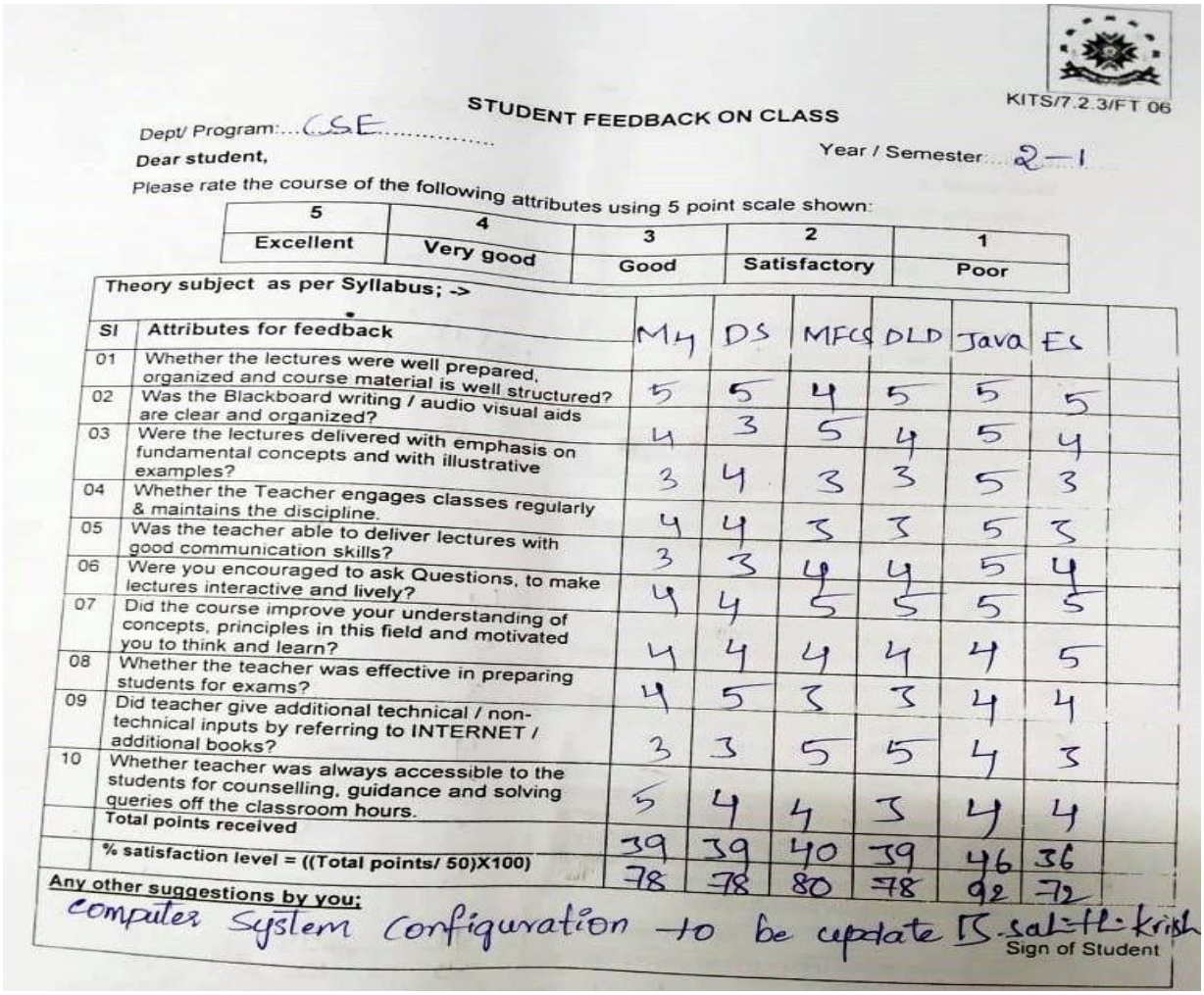
Sign of Student

Student Feedback Form on course

The faculty is graded as follows based on the Student Feedback on the Overall Performance. Each item is graded by the student on a 5-point scale:

RUBRICS for Student Feedback System based on the Overall Performance	
Range	Grade
1	POOR
2	FAIR
3	GOOD
4	VERY GOOD
5	EXCELLENT

Sample students feedback form:



KITS/7.2.3/FT 06

STUDENT FEEDBACK ON CLASS

Dept/ Program: CSE

Year / Semester: 2–1

Dear student,

Please rate the course of the following attributes using 5 point scale shown:

5	4	3	2	1
Excellent	Very good	Good	Satisfactory	Poor

Theory subject as per Syllabus; ->

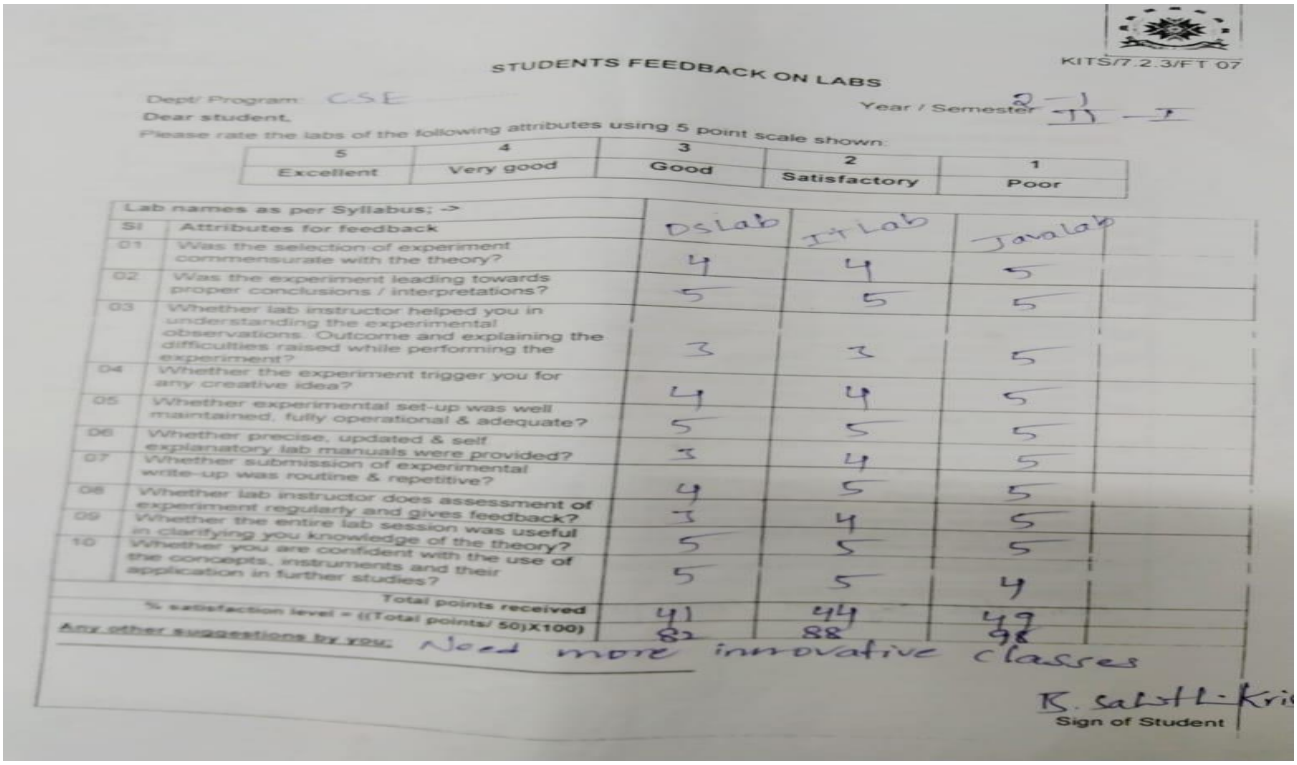
Sl	Attributes for feedback	M4	DS	MFCS	DLD	Java	ES
01	Whether the lectures were well prepared, organized and course material is well structured?	5	5	4	5	5	5
02	Was the Blackboard writing / audio visual aids are clear and organized?	4	3	5	4	5	4
03	Were the lectures delivered with emphasis on fundamental concepts and with illustrative examples?	3	4	3	3	5	3
04	Whether the Teacher engages classes regularly & maintains the discipline.	4	4	3	3	5	3
05	Was the teacher able to deliver lectures with good communication skills?	3	3	4	4	5	4
06	Were you encouraged to ask Questions, to make lectures interactive and lively?	4	4	5	5	5	5
07	Did the course improve your understanding of concepts, principles in this field and motivated you to think and learn?	4	4	4	4	4	5
08	Whether the teacher was effective in preparing students for exams?	4	5	3	3	4	4
09	Did teacher give additional technical / non-technical inputs by referring to INTERNET / additional books?	3	3	5	5	4	3
10	Whether teacher was always accessible to the students for counselling, guidance and solving queries off the classroom hours.	5	4	4	3	4	4
	Total points received	39	39	40	39	46	36
	% satisfaction level = ((Total points/ 50)X100)	78	78	80	78	92	72

Any other suggestions by you:

computer system configuration to be update

S. sai krish

Sign of Student



KITS/7.2.3/FT 07

STUDENTS FEEDBACK ON LABS

Dept/ Program: CSE Year / Semester: II - I

Dear student,

Please rate the labs of the following attributes using 5 point scale shown:

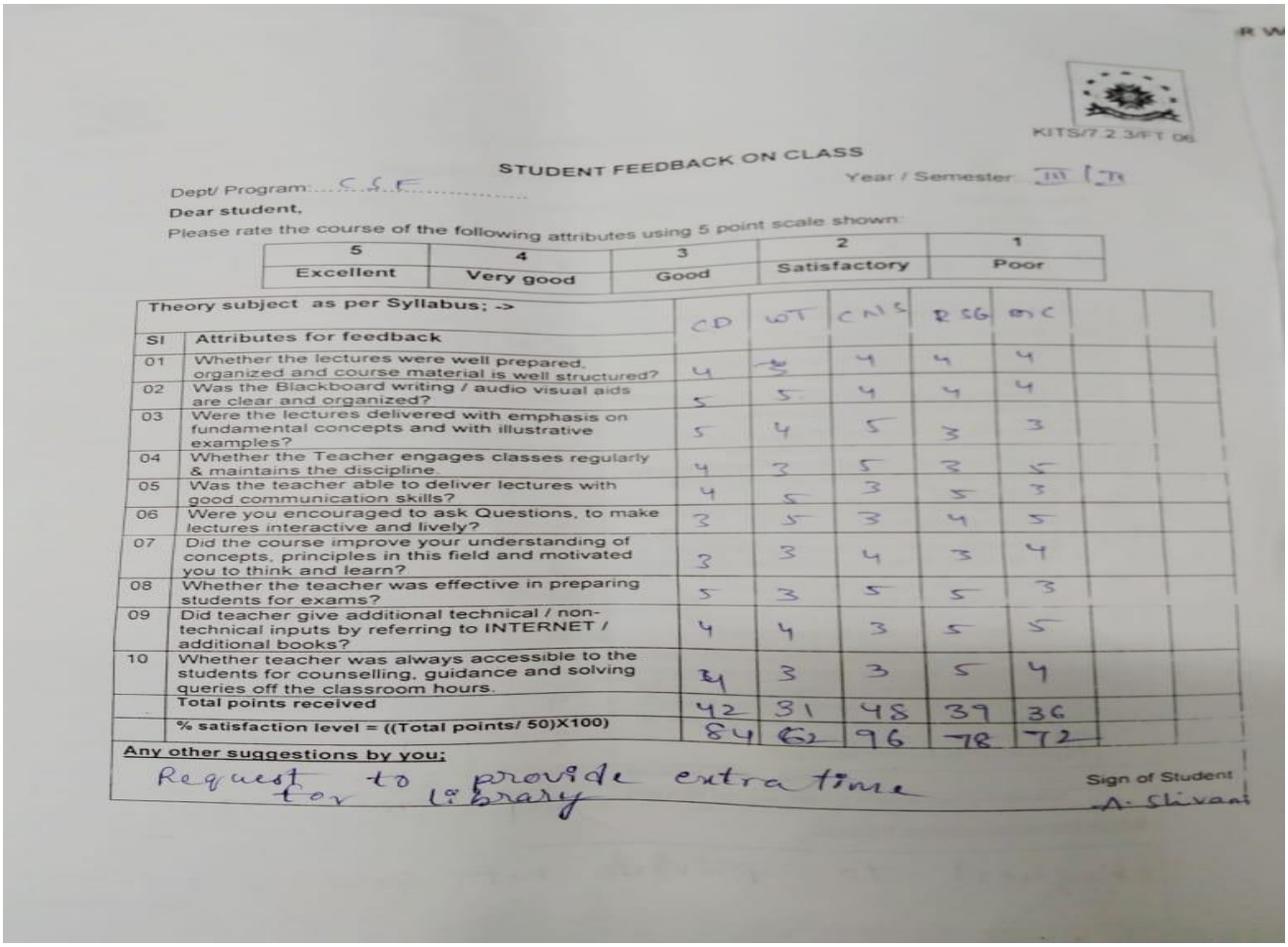
5	4	3	2	1
Excellent	Very good	Good	Satisfactory	Poor

Sl	Attributes for feedback	DS lab	IT Lab	Java lab
01	Was the selection of experiment commensurate with the theory?	4	4	5
02	Was the experiment leading towards proper conclusions / interpretations?	5	5	5
03	Whether lab instructor helped you in understanding the experimental observations. Outcome and explaining the difficulties raised while performing the experiment?	3	3	5
04	Whether the experiment trigger you for any creative idea?	4	4	5
05	Whether experimental set-up was well maintained, fully operational & adequate?	5	5	5
06	Whether precise, updated & self explanatory lab manuals were provided?	3	4	5
07	Whether submission of experimental write-up was routine & repetitive?	4	5	5
08	Whether lab instructor does assessment of experiment regularly and gives feedback?	3	4	5
09	Whether the entire lab session was useful in clarifying you knowledge of the theory?	5	5	5
10	Whether you are confident with the use of the concepts, instruments and their application in further studies?	5	5	4
	Total points received	41	44	49
	% satisfaction level = ((Total points/ 50)X100)	82	88	98

Any other suggestions by you: Need more innovative classes

K. Sahith Krishna

Sign of Student



KITS/7.2.3/FT 06

STUDENT FEEDBACK ON CLASS

Dept/ Program: C.S.E Year / Semester: III I

Dear student,

Please rate the course of the following attributes using 5 point scale shown:

5	4	3	2	1
Excellent	Very good	Good	Satisfactory	Poor

Sl	Attributes for feedback	CD	WT	CNS	DSG	OOC		
01	Whether the lectures were well prepared, organized and course material is well structured?	4	3	4	4	4		
02	Was the Blackboard writing / audio visual aids are clear and organized?	5	5	4	4	4		
03	Were the lectures delivered with emphasis on fundamental concepts and with illustrative examples?	5	4	5	3	3		
04	Whether the Teacher engages classes regularly & maintains the discipline.	4	3	5	3	5		
05	Was the teacher able to deliver lectures with good communication skills?	4	5	3	5	3		
06	Were you encouraged to ask Questions, to make lectures interactive and lively?	3	5	3	4	5		
07	Did the course improve your understanding of concepts, principles in this field and motivated you to think and learn?	3	3	4	3	4		
08	Whether the teacher was effective in preparing students for exams?	5	3	5	5	3		
09	Did teacher give additional technical / non-technical inputs by referring to INTERNET / additional books?	4	4	3	5	5		
10	Whether teacher was always accessible to the students for counselling, guidance and solving queries off the classroom hours.	4	3	3	5	4		
	Total points received	42	31	48	39	36		
	% satisfaction level = ((Total points/ 50)X100)	84	62	96	78	72		

Any other suggestions by you:

Request to provide extra time for library

Sign of Student

A. Shivani

KITS/7.2.3/FT 07

STUDENTS FEEDBACK ON LABS

Dept/ Program: CSE Year / Semester: III / II

Dear student,

Please rate the labs of the following attributes using 5 point scale shown:

5	4	3	2	1
Excellent	Very good	Good	Satisfactory	Poor

	Lab names as per Syllabus; ->	CNS	WT	AES	
Sl	Attributes for feedback				
01	Was the selection of experiment commensurate with the theory?	5	5	4	
02	Was the experiment leading towards proper conclusions / interpretations?	4	5	4	
03	Whether lab instructor helped you in understanding the experimental observations. Outcome and explaining the difficulties raised while performing the experiment?	3	4	3	
04	Whether the experiment trigger you for any creative idea?	4	4	3	
05	Whether experimental set-up was well maintained, fully operational & adequate?	5	3	5	
06	Whether precise, updated & self explanatory lab manuals were provided?	3	4	5	
07	Whether submission of experimental write-up was routine & repetitive?	4	5	3	
08	Whether lab instructor does assessment of experiment regularly and gives feedback?	5	3	4	
09	Whether the entire lab session was useful in clarifying you knowledge of the theory?	4	3	3	
10	Whether you are confident with the use of the concepts, instruments and their application in further studies?	3	4	4	
	Total points received	42	36	36	
	% satisfaction level = ((Total points/ 50)X100)	84	72	72	

Any other suggestions by you:

Request to provide net speed

A. Shivani
Sign of Student

KITS/7.2.3/FT 07

STUDENTS FEEDBACK ON LABS

Dept/ Program: CSE Year / Semester: IV / I

Dear student,

Please rate the labs of the following attributes using 5 point scale shown:

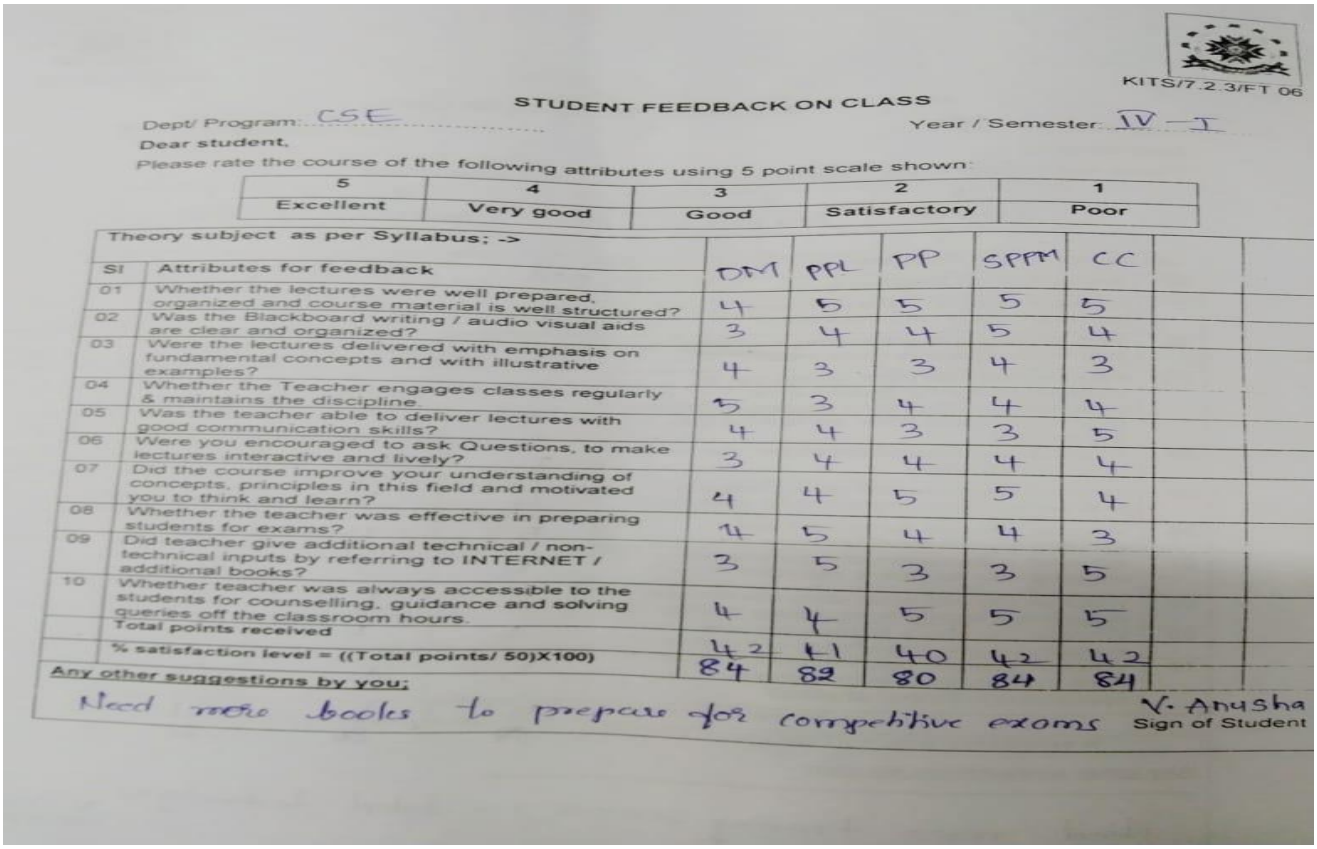
5	4	3	2	1
Excellent	Very good	Good	Satisfactory	Poor

	Lab names as per Syllabus; ->	DM	PP	Mini Project	
Sl	Attributes for feedback				
01	Was the selection of experiment commensurate with the theory?	4	4	5	
02	Was the experiment leading towards proper conclusions / interpretations?	5	5	4	
03	Whether lab instructor helped you in understanding the experimental observations. Outcome and explaining the difficulties raised while performing the experiment?	4	4	4	
04	Whether the experiment trigger you for any creative idea?	3	5	5	
05	Whether experimental set-up was well maintained, fully operational & adequate?	4	5	4	
06	Whether precise, updated & self explanatory lab manuals were provided?	5	4	3	
07	Whether submission of experimental write-up was routine & repetitive?	4	3	4	
08	Whether lab instructor does assessment of experiment regularly and gives feedback?	3	4	4	
09	Whether the entire lab session was useful in clarifying you knowledge of the theory?	4	4	3	
10	Whether you are confident with the use of the concepts, instruments and their application in further studies?	5	5	5	
	Total points received	41	43	41	
	% satisfaction level = ((Total points/ 50)X100)	82	86	82	

Any other suggestions by you:

Need more training sessions on latest technologies

N. Anusha
Sign of Student



KITS/7.2.3/FT 06

STUDENT FEEDBACK ON CLASS

Dept/ Program: CSE Year / Semester: IV – I

Dear student,

Please rate the course of the following attributes using 5 point scale shown:

5	4	3	2	1
Excellent	Very good	Good	Satisfactory	Poor

Theory subject as per Syllabus; ->

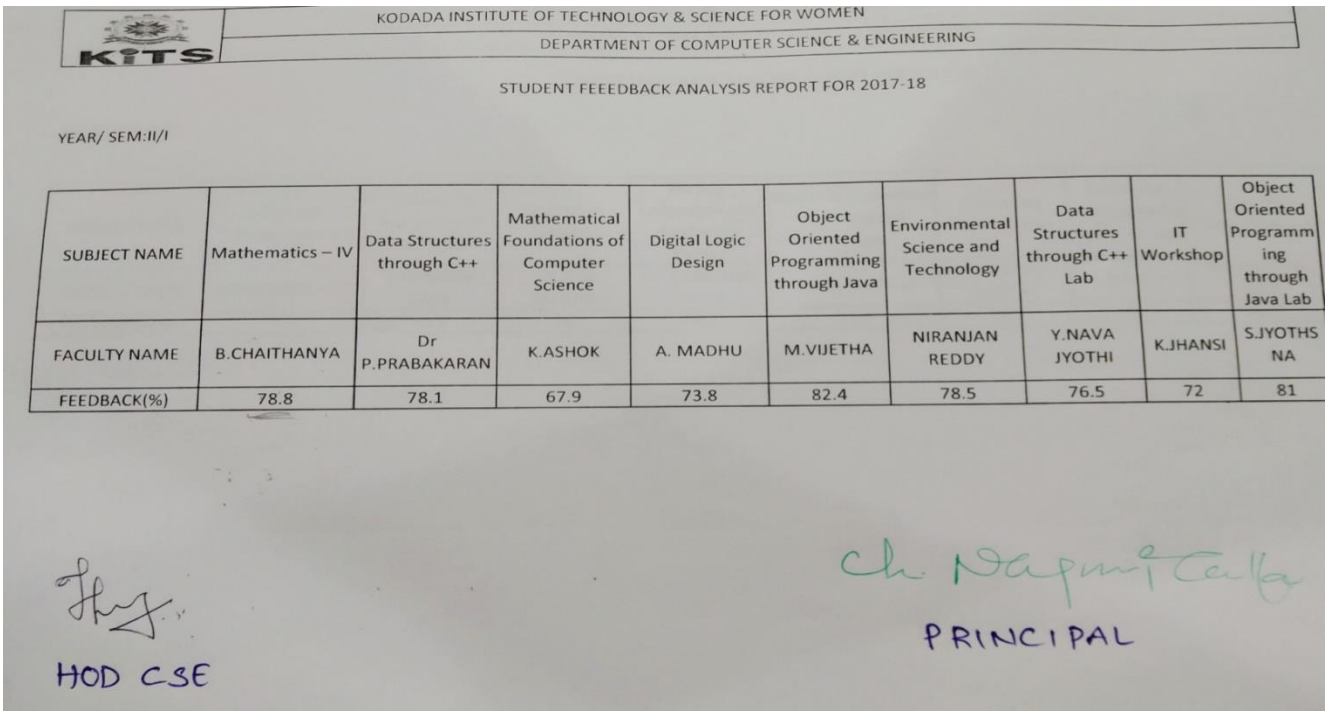
Sl	Attributes for feedback	DM	PPL	PP	SPPM	CC
01	Whether the lectures were well prepared, organized and course material is well structured?	4	5	5	5	5
02	Was the Blackboard writing / audio visual aids are clear and organized?	3	4	4	5	4
03	Were the lectures delivered with emphasis on fundamental concepts and with illustrative examples?	4	3	3	4	3
04	Whether the Teacher engages classes regularly & maintains the discipline	5	3	4	4	4
05	Was the teacher able to deliver lectures with good communication skills?	4	4	3	3	5
06	Were you encouraged to ask Questions, to make lectures interactive and lively?	3	4	4	4	4
07	Did the course improve your understanding of concepts, principles in this field and motivated you to think and learn?	4	4	5	5	4
08	Whether the teacher was effective in preparing students for exams?	4	5	4	4	3
09	Did teacher give additional technical / non-technical inputs by referring to INTERNET / additional books?	3	5	3	3	5
10	Whether teacher was always accessible to the students for counselling, guidance and solving queries off the classroom hours.	4	4	5	5	5
	Total points received	42	41	40	42	42
	% satisfaction level = ((Total points/ 50)X100)	84	82	80	84	84

Any other suggestions by you;

Need more books to prepare for competitive exams

V. Anusha
Sign of Student

STUDENT FEEDBACK ANALYSIS FOR 2017-18



KODADA INSTITUTE OF TECHNOLOGY & SCIENCE FOR WOMEN

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

STUDENT FEEEDBACK ANALYSIS REPORT FOR 2017-18

YEAR/ SEM:II/I

SUBJECT NAME	Mathematics – IV	Data Structures through C++	Mathematical Foundations of Computer Science	Digital Logic Design	Object Oriented Programming through Java	Environmental Science and Technology	Data Structures through C++ Lab	IT Workshop	Object Oriented Programming through Java Lab
FACULTY NAME	B.CHAITHANYA	Dr P.PRABAKARAN	K.ASHOK	A. MADHU	M.VIJETHA	NIRANJAN REDDY	Y.NAVA JYOTHI	K.JHANSI	S.JYOTHSNA
FEEDBACK(%)	78.8	78.1	67.9	73.8	82.4	78.5	76.5	72	81

HOD CSE

PRINCIPAL

STUDENT FEEDBACK ANALYSIS FOR 2018-19

KITS

KODADA INSTITUTE OF TECHNOLOGY & SCIENCE FOR WOMEN

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

STUDENT FEEEDBACK ANALYSIS REPORT FOR 2018-19

YEAR/ SEM:III/II

SUBJECT NAME	COMPILER DESIGN	WEB TECHNOLOGIES	CRYPTOGRAPHY & NETWORK SECURITY	REMOTE SENSING & GIS	MOBILE COMPUTING	CRYPTOGRAPHY & NETWORK SECURITY LAB	WEB TECHNOLOGIES LAB	ADVANCED ENGLISH COMMUNICATION SKILLS LAB
FACULTY NAME	Dr N . LAKSHMI PRIYA	N . SANDHYA	CH . SURESH KUMAR	VAMSI MADHUKAR	U . RAJA SREE	M . RAJITHA	B . VIJAY KUMAR	V . ANTONY
FEEDBACK(%)	76.4	77	73.7	73.2	71.9	86.4	80.2	72.9

HOD CSE

PRINCIPAL

STUDENT FEEDBACK ANALYSIS FOR 2019-20

KITS

KODADA INSTITUTE OF TECHNOLOGY & SCIENCE FOR WOMEN

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

STUDENT FEEEDBACK ANALYSIS REPORT FOR 2019-2020

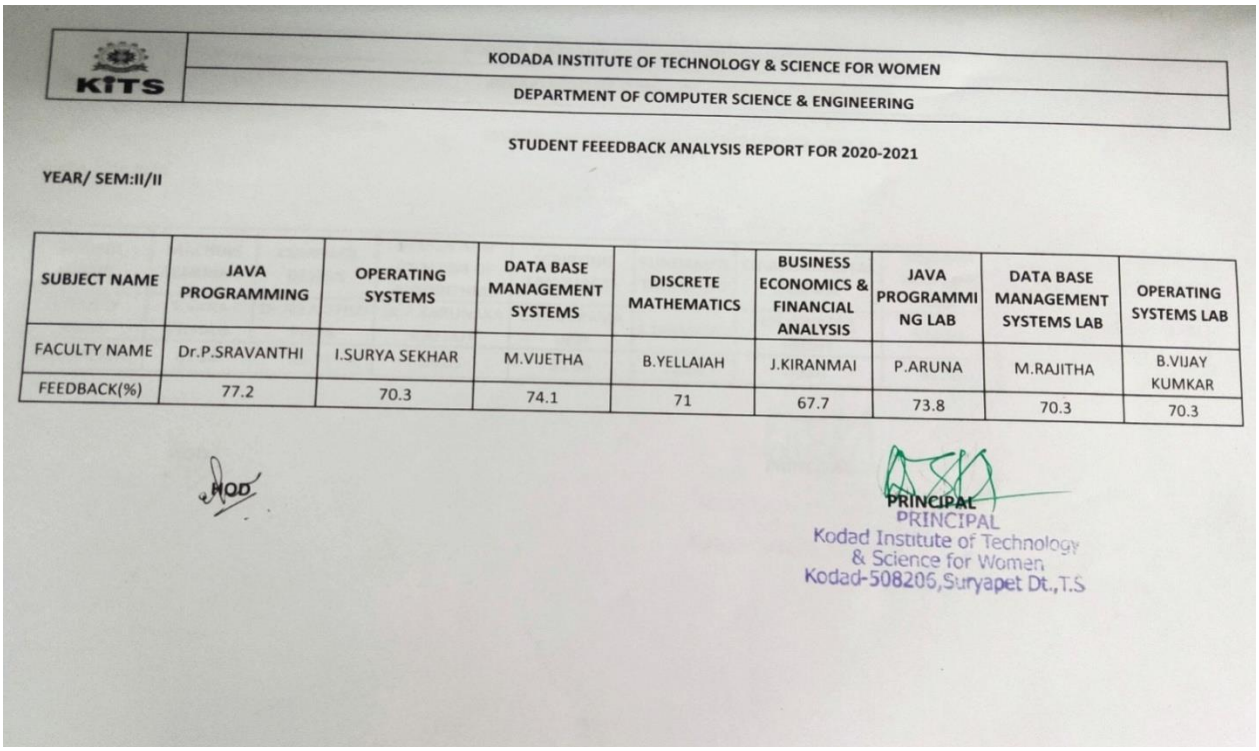
YEAR/ SEM: IV/I

SUBJECT NAME	DATA MINING	PRINCIPLES OF PROGRAMMING LANGUAGES	PYTHON PROGRAMMING	SOFTWARE PROCESS & PROJECT MANAGEMENT	CLOUD COMPUTING	DATA MINING LAB	PYTHON PROGRAMMING LAB
FACULTY NAME	Dr P. KARUNAKAR REDDY	Dr K. VENKATESHAN	CH. RUDRAMADEVI	M. VIJETHA	A. NANDINI SREE	M. RAJITHA	P.ARUNA
FEEDBACK(%)	77.8	77.6	77.7	81.6	75.6	73.6	80.2

HOD CSE

PRINCIPAL

STUDENT FEEDBACK ANALYSIS FOR 2020-21



KITS

KODADA INSTITUTE OF TECHNOLOGY & SCIENCE FOR WOMEN

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

STUDENT FEEEDBACK ANALYSIS REPORT FOR 2020-2021

YEAR/ SEM:II/II

SUBJECT NAME	JAVA PROGRAMMING	OPERATING SYSTEMS	DATA BASE MANAGEMENT SYSTEMS	DISCRETE MATHEMATICS	BUSINESS ECONOMICS & FINANCIAL ANALYSIS	JAVA PROGRAMMING LAB	DATA BASE MANAGEMENT SYSTEMS LAB	OPERATING SYSTEMS LAB
FACULTY NAME	Dr.P.SRAVANTHI	I.SURYA SEKHAR	M.VIJETHA	B.YELLAIAH	J.KIRANMAI	P.ARUNA	M.RAJITHA	B.VIJAY KUMKAR
FEEDBACK(%)	77.2	70.3	74.1	71	67.7	73.8	70.3	70.3

HOD

PRINCIPAL

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Kodad Institute of Technology
& Science for Women
Kodad-508206,Suryapet Dt.,T.S

How are Comments used?

The feedback report of the faculty showing its grade and students comments if any is intimated to the faculty through the HOD of the department. The report enables the faculty to overcome his/her deficiencies so as to improve his/her teaching skills.

Record of corrective measures taken

The faculty, who has feedback less than 75%, is handed over the Follow up Action Report as per the following format. The faculty is advised to improve on the areas in which he/she has weaknesses.

The following are the number of corrective actions taken on the faculty over the past 3 years

Academic Year	No. of corrective actions taken
2019-20	2
2018-19	2
2017-18	3

Action Report

ACADEMIC YEAR	SNO	NAME OF THE FACULTY	SUBJECT NAME	YEAR /SEM	FEED BACK (%)	ACTIONS
2017-18	1	K.ASHOK	MATHEMATICAL FOUNDATIONS OF COMPUTER SCIENCES	II/I	67.9	Recommended to follow NPTEL Video lectures
	2	K.JHANSI	IT WORKSHOP LAB	II/II	72	Recommended to attend workshop
	3	Dr HARENDRA SINGH	OPERATING SYSTEMS	III/I	73.4	Recommended to attend FDP
2018-19	1	S.JYOTHSNA	COMPUTER NETWORKS LAB	III/I	71.7	Recommended to attend workshop
	2	S.SAMYUKTHA	SOFTWARE ENGINEERING LAB	III/I	72.3	Recommended to attend workshop
	3	CH.SURESH KUMAR	CRYPTOGRAPHY & NETWORK SECURITY	III/II	73.7	Recommended to review reference books and video lectures
	4	U.RAJA SREE	MOBILE COMPUTING	III/II	71.9	Recommended to review reference books and video lectures
	5	CH.SURESH KUMAR	DATA WAREHOUSING & DATA MINING	IV/I	73.7	Recommended to review reference books and video lectures
	6	Dr P.KARUNAKAR REDDY	SOFTWARE PROJECT MANAGEMENT	IV/I	72.2	Recommended to attend FDP
	7	Dr K.VENKATA RAMANA	CLOUD COMPUTING	IV/I	72.3	Recommended to review reference books and video lectures
	8	S.USHA	SEMANTIC WEB & SOCIAL NETWORKS	IV/II	71.7	Recommended to review reference books and video lectures
	9	S.JYOTHSNA	STORAGE AREA NETWORKS	IV/II	73.2	Recommended to review reference books and video lectures
2019-20	1	S.BHUVANESWARI	COMPUTER ORIENTED STATISTICAL METHODS	II/I	69	Recommended to follow NPTEL Video lectures
	2	M.RAJITHA	DATA MINING LAB	IV/I	73.6	Recommended to attend workshop

Sample FDP Certificate on Network Security & Cryptography

OUTCOME OF FEEDBACK METHODS ADOPTED

The method of feedback collection and its analysis process is based on questionnaires and parameters marked for faculty by the students is quite effective as evident from the high percentage success rate of students in examinations.

9.3: FEEDBACK ON FACILITIES(5)

Feedback on facilities mainly taken from the following stake holders:

- CURRENT BATCH STUDENTS
- ALUMNI
- PARENTS
- EMPLOYER

The online link is given below

Kodada Institue of Technology and Science for Women (kitskodadapps.in)

In-Campus feedback

Apart from students, teaching faculty and parents will also give the feedback on facilities. They can drop their feedback in suggestion boxes provided and can also express their views by interacting with the faculty members and lab assistants.

Off-Campus feedback

Feedback was also collected from alumni, parents and employers.

Corrective Action

Some of the major corrective actions initiated based on the feedback obtained.

Sl. No	Particulars of feedback	Corrective action taken
1	Non availability of ambulance	Availability of Ambulance
2	Non availability of female doctor	Female doctor is appointed
3	Non availability of computer lab after the college hours	24/7 computer lab established with internet facility works from 8 AM to 10 PM.
4	Non availability of CODING Lab after the college hours	A 30 computer lab established in block-A works from 8 AM to 10 PM.
5	Dissatisfaction in Library timings	Main Library timings extended for 5 hours. Works from 8 AM to 8 PM every day.
6	Requirement of more number of high speed computers	A total of 120, i5 computers were purchased.
7	Provision of books for competitive exams	Completive exam books purchased for Library.
8	Training for GATE exams	Coaching classes were arranged.
9	Wi-Fi connectivity	M/S JIO, BSNL, EXCEL is providing Wi-Fi facilities apart from BSNL.
10	Hygienic conditions in Girl Student Hostels	Napkin disposal machines provided in all the toilets.
11	Cleanliness of water coolers	Log sheets are kept at every cooler to verify the cleaning by the house keeping
12	Quality and taste of food in hostel mess	Fact Finding Committee (FFC) comprising hostel students appointed to test quality of food.
13	Security of students	One Chief security officer is appointed.
14	Non availability of skeleton and emergency staff	Insisted emergency staff like doctor, Electrician, driver etc. to stay near the campus.
15	Availability of latest technologies related labs	IOT labs are established.

9.4 SELF LEARNING(5)

Self-learning scope is provided in the college adequately for every student to enhance/improve their skills. The classroom teaching adopted in the department involves many methods along with chalk and board

teaching. The following methods are implemented by the faculty members to deliver the lectures in an effective manner.

Power point presentations: PPT's are presented in the class room as per the need of courses like explanation of topic with difficult diagrams which will take more time to draw, if topic requires 3-D diagrams and to show some realistic situations with diagrams.

Digital library resources: Student can use digital library facility in our college and students can access through internet for various video lectures, e- books, journals etc.

Facilities provided for Self Learning

The following facilities are provided in the college for his/her self learning:

Main Library:

The main library provides the following books for students:

Particulars of Text and Competitive books		
Sl. No.	Particulars	Qty.
1	Total No. of Titles	2281
2	Total No. of Volumes	18557
3	Total No. of competitive Books	200
4	Total no. of books available under SC Book Bank scheme	509
5	Total No. of reference books	3150

In addition to above, the following is provided for students:

Daily newspapers are also available in the library.
Reference books, project reports are available.
Career, job aspiring and competitive exam books are also made available

Library

Departmental Library

Departments have been maintaining respective department library, books, project reports and technical subject videos. Videos, PPT's of selected topics are made available gathered from various recourses.

E-Learning Support

E-learning support is provided in 24/7 computer center with the following facilities:
NPTEL
J-gate plus
Delnet
Doaj- open access
Virtual labs are also regularly conducted to the students apart from the normal laboratory experiments in order to acquaint them with the practical exposure of conduct of experiment.

Link: https://www.vlab.co.in/broad-area-computer-science-and-engineering
https://html-iitd.vlabs.ac.in/

9.5 CAREER GUIDANCE, TRAINING AND PLACEMENT (10)

(The institution may specify the facility, its management and its effectiveness for career guidance including counseling for higher studies, campus placement support, industry interaction for training/internship/placement, etc.)

The Training and Placement Cell headed by full-fledged Training and Placement Officer **K.Vamshi Krishna**, continuously takes care of all the training activities to be provided to the students. A full-fledged state of the art Training and Placement cell actively works and arranges on-campus placements and training to the students. The Training and Placement cell of the Institute imparts the requirements of the industry along with their curriculum through programs on preparation of resume, soft skills, communication skills, interview skills, and adapting to the corporate life. The following is the snapshot of Training and Placement Cell of the College.

The college has a full-fledged T & P department and the Placement Officer monitors and organizes continuously the training and placement

activities. The following are the various details of Training and Placement cell of the College.

The following are the various members of Training and Placement Cell:

S.No	Name of the faculty	Responsibility
1	Mr. K. VAMSHI KRISHNA	Training & Placement officer
2	Mrs. T L N VARA PRASAD	Member
3	Mr. B. PARAMESWAR	Member
4	Mrs. J. KIRANMAI	Member
5	Mr. V. AJAY	Member

The following are the various objectives of Training and placement cell of the institute.

- To identify and contact relevant and good industries / companies relating to IT and Core sector.
- To provide career guidance and training to the students and make them competent to succeed in various competitive exams
- The Cell also conducts special training classes on English Language and Communication Skills to improve the communication skills of students which helps the students to improve their technical presentation and interview performance skills.
- Regular training on aptitude and soft skills is provided to the students both by the external and internal resource persons.
- Special customized training based on Industry requirement is also provided to final year students before the commencement of recruitment process

  The following are the various activities conducted by the Training and Placement cell for the benefit of students.

Pre Placement Training:

Students who have selected for placement are trained so that their success rate in placement can be high. A lot of effort is spent by the institution to invite top companies to the college for on-campus placements. The companies also need to incur a good amount of expenditure to conduct on-campus placements for two to three days, the companies expect a reasonable number of students during their visit to the college for placement. In view of this, placement activities are being conducted for KITS.

The college has devised excellent training programs which covers the three important areas having bearings on placements:

- English language and communication skills
- Aptitude skills
- Technical training covering core and important subjects.

Events organized:

ACADEMIC YEAR 2020-21

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

S. NO	Gap Description	Action taken	Date	Resource person with Designation	% of students	Relevance to POs, PSOs
1	Modern technology usage	A one day workshop on "Python with ML" for IV B.Tech Task registeredstudents	29/08/2020	Mr K.Yuktesh, IBM	77%	PO1,PO2,PO3,PO4,PO5,PO12,PSO1,PSO2
2	Modern technology usage	A one day workshop on " Data Analysis and Visualization" for IV B.Tech Task registeredstudents	03/09/2020	Mr K.Yuktesh, IBM	89%	PO1,PO2,PO5,PSO1
3	Modern technology usage	A one day workshop on " Supervised Learning " for IV B.Tech Task registeredstudents	10/09/2020	Mr K.Yuktesh, IBM	93%	PO1,PO2,PO3,PO5,PSO1
4	Modern technology usage	A one day workshop on " Supervised Learning " for IV B.Tech Task registeredstudents	17/09/2020	Mr K.Yuktesh, IBM	93%	PO1,PO2,PO3,PO5,PSO1

5	Modern technology usage	A one day workshop on " UnSupervised Learning " for IV B.Tech Task registeredstudents	24/09/2020	Mr K.Yuktesh, IBM	96%	PO1,PO2,PO3,PO5,PSO1
6	Modern technology usage	A one day workshop on " Decision Tree and Random Forest " for IV B.Tech Task registeredstudents	01/10/2020	Mr K.Yuktesh, IBM	88%	PO1,PO2,PO3,PO4,PO5,PO1,PSO2
7	Modern technology usage	A three day Webinar on "Cyber Security" was organized for IV B.Tech students.	14/12/2020 To 16/12/2020	Mr Rupesh Mital, Mr NNP Sankaram, Mr Chandra Dasaka,CSI	80%	PO1,PO2,PO3,PO6,PO12,PSO1,PSO2
8	Training Session	A three day "Gate Classes Session" was organized for IV B.Tech students.	04/01/2021 To 06/01/2021	Mr V.Sudheer, Mr K.Sampath TechnoGATE, Khammam	97%	PO1,PO2,PO3, PO4,PO5,PO9, PO10,PO11,PO12, PSO1,PSO2,PSO3
9	Skill development	A two day Webinar on "Reasoning	07/04/2021 To	Mrs B.Ramana, Task Trainer	93%	PO1,PO2,PO4,PSO1

		and Aptitude" was organized for III, IV B.Tech Task registered students.	09/04/ 2021			
10	Modern technology usage	A One Day Webinar on "Python Programming" was organized for III B.Tech Students	14/04/ 2021	GVK Sri Krishana,Software Developer,VINCENSE Software pvt Ltd., Hyderabad	86%	PO1,PO2,PO3,PO4 ,PO5, PO12,PSO1, PSO2,PSO3
11	Modern Technology usage	A Two Day Webinar on "Artificial Intelligence & Ml with Java" for II,III and IV B.tech Task Registered Students	15/04/ 2021 To 17/04/ 2021	Mr.Arun Reddy, Task Trainer	92%	PO1,PO2,PO3, PO4,PO5, PO12,PSO1,PSO2, PSO3
12	Skill development	A One Day Webinar on "Boost Your Interview Skills" for IV B.Tech students	24/04/ 2021	RAJESH KOTA(Associate Director, Global capability center, Banglore)	82%	PO1,PO2,PO3,PO10, PSO1

13	Modern Technology usage	A One Day Webinar on "Andriod Application Development" for III B.Tech students	26/04/2021	Mr K.Sridhar, Trainer, VINCENSE Software pvt Ltd., Hyderabad	88%	PO1,PO2,PO3,PO4,PO5, PO12,PSO1, PSO2,PSO3
14	Modern Technology usage	A One Day online workshop on "Internet of Things(IOT)" for II, III, IV B.Tech students	02/05/2021	Mr G.Srinivasa Rao, Trainer, Vertulonix, Hyderabad	91%	PO1,PO2,PO3, PO4, PO5, PO!! PSO1,PSO2,PSO3
15	Modern Technology usage	A Three Day webinar on "Python with Dijango" for IV B.Tech students	27-05-2021 TO 29-05-2021	Mr P.Srujan Reddy, Software Developer, Synchronism Solutions, Hyderabad	96%	PO1,PO2,PO3,PO4, PO5,PO12,PSO1, PSO2,PSO3

ACADEMIC YEAR 2019-20

S.NO	Events	Date	Resource person with Designation	% of students
1	A two days workshop on "Machine Learning" was organized for IV B.Tech students.	23/08/2019 To 24/08/2019	Ms M.Sravani Trainer, Indian Servers, Hyderabad	100%

2	A five day workshop on "Oracle Java programming" was organized for IV B.Tech Task registered students.	16/09/2019 To 20/09/2019	Mr K.Ramesh, Task trainer	94%
3	A two day workshop on "personal skills" was organized for III B.Tech Task registered students.	17/10/2019 To 18/10/2019	Mr G.Satish, Task trainer	100%
4	A three day workshop on "Database programming with SQL" was organized for IV B.Tech Task registered students.	28/10/2019 To 30/10/2019	Mr P.Vamshi, Task trainer	100%
5	A three day workshop on "communication/organization skills" was organized for III B.Tech Task registered students.	30/10/2019 To 01/11/2019	Mr Indrakumar, Task trainer	96%
6	A three day "Gate Classes Session" was organized for IV B.Tech students.	16/12/2019 To 18/12/2019	Mr P.Harish, Mr J.Prakash, Mr N.Vasanth Kumar, Trainer, Trainer, TechnoGATE, Khammam	100%
7	A five day workshop on "Oracle Java Fundamentals" was organized for III B.Tech	27/01/2020 to	Mr M.Pranay, Task trainer	93%

	Task registered students.	31/01/2020		
8	A two day workshop on "Artificial intelligence" was organized for IV B.Tech students.	13/02/2020 To 14/02/2020	Mr Sajid, Trainer, Robokalam, Hyderabad.	100%
9	A two day workshop on "Fiber Technology" was organized for IV B.Tech students.	19/02/2020 To 20/02/2020	Mr Himanshu, STL trainer	97%
10	A three day workshop on "Internet of Things" was organized for IV B.Tech Task registered students.	27/02/2020 To 29/02/2020	Mr P.Vijay, Task trainer	94%
11	A three day Online training on "presentation skills" was organized for III,IV B.Tech Task registered students.	14/05/2020 To 16/05/2020	Mr B.Vivekananda , Soft Skills trainer,Task	98%

ACADEMIC YEAR 2018-19

S.NO	Events	Date	Resource person with Designation	% of students
1	A two day workshop on "Personal Skills Session	13/08/2018 To	Mr.K.Ramakrishna , Task trainer	100%

	s " was organized for III B.Tech Task registered students.	14/08/2018		
2	A two day workshop on"Personal Skills Sessions " was organized for IV B.Tech students.	20/08/2018 To 21/08/2018	Mr.Indrakumar,trainer	92%
3	A two day work shop on "Artificial Intelligence" was organized for IV B.Tech students.	10/09/2018 To 11/09/2018	Mr K.SriRam, Trainer, Robokalam, Hyderabad	96%
4	A one day work shop on "Aptitude & Reasoning MOOCS" was organized for III B.Tech Task registered students.	25/09/2018	Mr.Sudheer, Task trainer	100%
5	A three day work shop on "Database programming with SQL" was organized for III B.Tech Task registered students.	28/10/2018 To 30/10/2018	Mr Vamshidar reddy, Task trainer	94%
6	A three day "Gate Classes Session" was organized for IV B.Tech students.	27/12/2018 To 29/12/2018	Mr K.Anirudh, Ms G.Swapna, Mr M.Kalyan, Trainer, TechnoGATE, Khammam	100%

ACADEMIC YEAR 2017-18

S.NO	Events	Date	Resource person with Designation	% of students
1	A two days workshop on " personal skills" was organized for IV B.Tech students.	13/08/2017 To 14/08/2017	Mr S.Radha krishna, Trainer, Pranav Academy, Vijayawada.	100%
2	A three day "Gate Classes Session" was organized for IV B.Tech students.	14/12/2017 To 16/12/2017	Mr A.Sudhakar, Mr M.Naveen, Ms K.Pavani, Trainer, TechnoGATE, Khammam	100%
3	A Two Day workshop on "Web Services" was organized for IV B.Tech students.	29/12/2017 To 30/12/2017	Mr G.Venu Gopal, Senior Software, BN Infotech, Hyderabad	100%
4	A two day workshop on "Aptitude & Reasoning " was organized for IV B.Tech students.	29/01/2018 To 30/01/2018	Mr J.Sridhar, Trainer, Brilliant Technologies, Hyderabad	100%

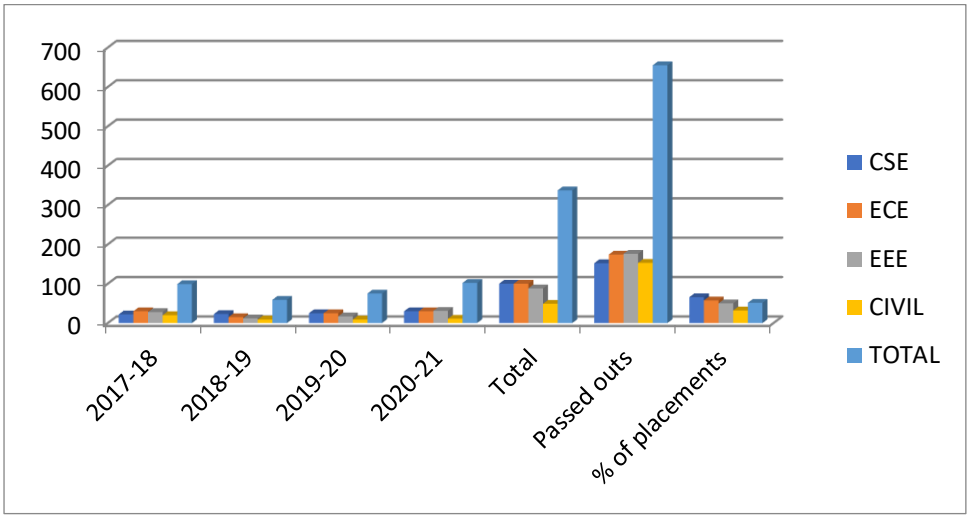
Campus placements:

The number of students placed during the last FOUR years is given below:

YEAR	BRANCH				
YEAR	CSE	ECE	EEE	CIVIL	TOTAL
2017-18	22	30	28	20	99

2018-19	23	15	12	9	59
2019-20	25	25	17	9	75
2020-21	30	30	31	11	102
Total	100	100	88	49	337
Passed outs	152	174	176	153	655
% of placements	65.7	57.4	50	32	51.4

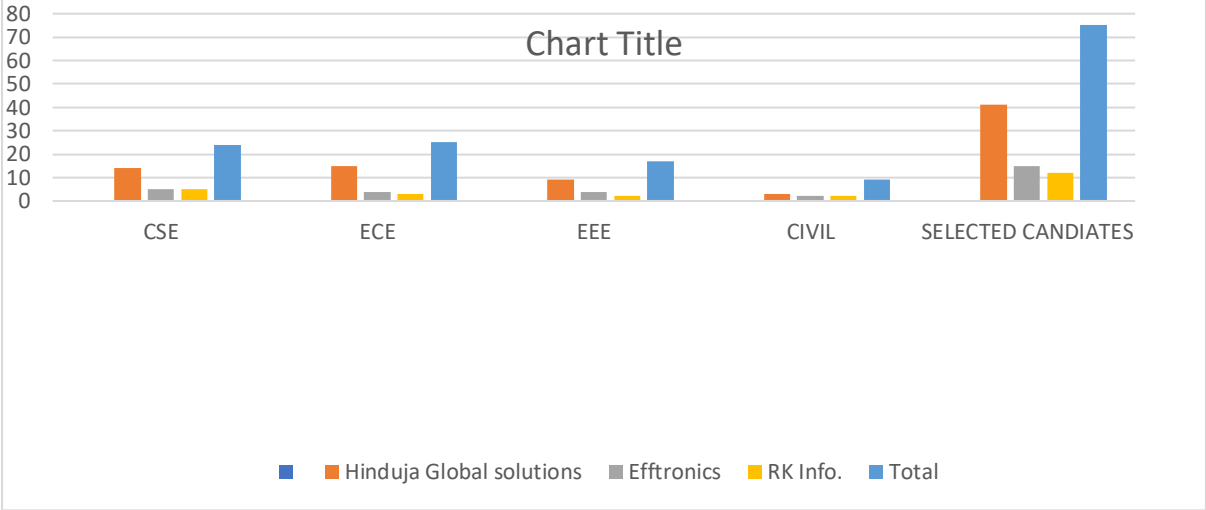
Over all placement percentage past four Academic Years (CSE)=65.7%



A.Y: 2019-20

S.NO	NAME OF THE COMPANY	CSE	ECE	EEE	CIVIL	SELECTED CANDIATES	Package
1	Hinduja Global solutions	**14**	**15**	**9**	**3**	**41**	**2.5LPA**
3	Efftronics	**5**	**4**	**4**	**2**	**15**	**3.5LPA**
4	RK Info.	**6**	**3**	**2**	**2**	**13**	**2.2LPA**
5	Total	**25**	**25**	**17**	**9**	**76**	

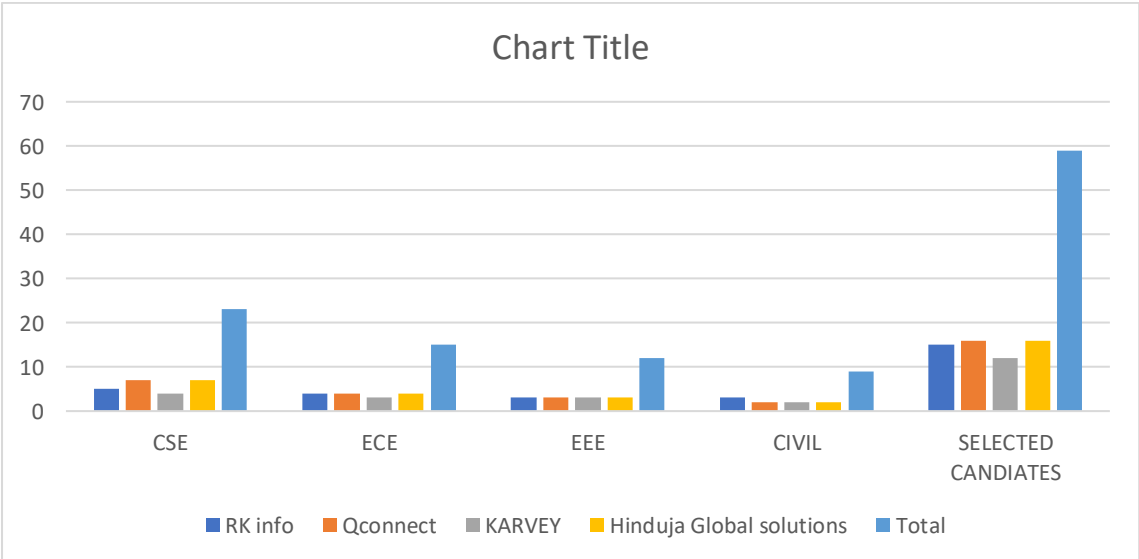
Over all placement percentage past 3 A. Ys.(CSE)=49%



A.Y: 2018-19

S. NO	NAME OF THE COMPANY	CSE	ECE	EEE	CIVIL	SELECTED CANDIATES	Package
1	RK info	**5**	**4**	**3**	**3**	**15**	**2.2LPA**
3	Qconnect	**7**	**4**	**3**	**2**	**16**	**2.2LPA**
4	KARVEY	**4**	**3**	**3**	**2**	**12**	**1.8LPA**
5	Hinduja Global solutions	**7**	**4**	**3**	**2**	**16**	**2.5LPA**
6	Total	**23**	**15**	**12**	**9**	**59**	

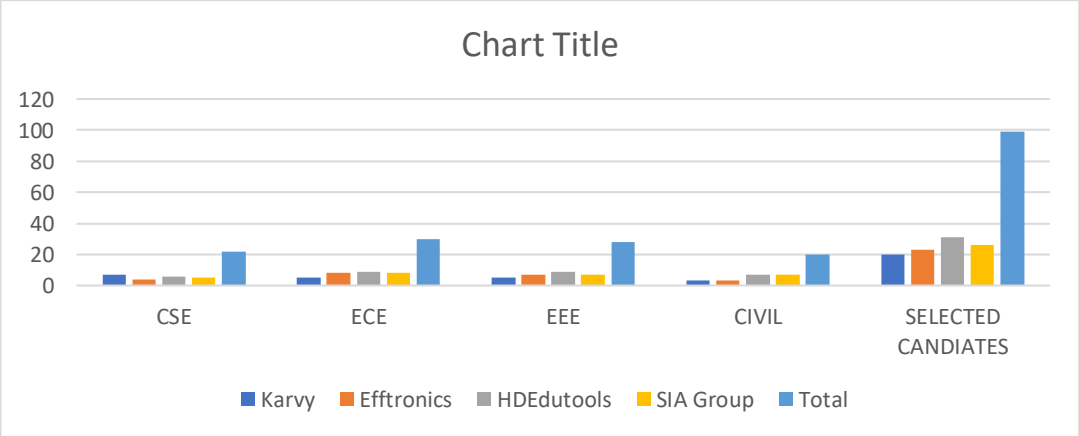
Over all placement percentage past 3 A. Ys.(CSE)=49%



A.Y: 2017-18

S.NO	NAME OF THE COMPANY	CSE	ECE	EEE	CIVIL	SELECTED CANDIATES	Package
1	Karvy	**7**	**5**	**5**	**3**	**20**	**1.8LPA**
2	Efftronics	**4**	**8**	**7**	**3**	**23**	**1.4LPA**
3	HDEdutools	**6**	**9**	**9**	**7**	**31**	**1.4LPA**
4	SIA Group	**5**	**8**	**7**	**7**	**26**	**1.5LPA**
	Total	**22**	**30**	**28**	**20**	**99**	

Over all placement percentage past 3 A. Y.(CSE)=47%



1)Efftronics off campus drive (2018)

2)Karvy off campus driv(2020)

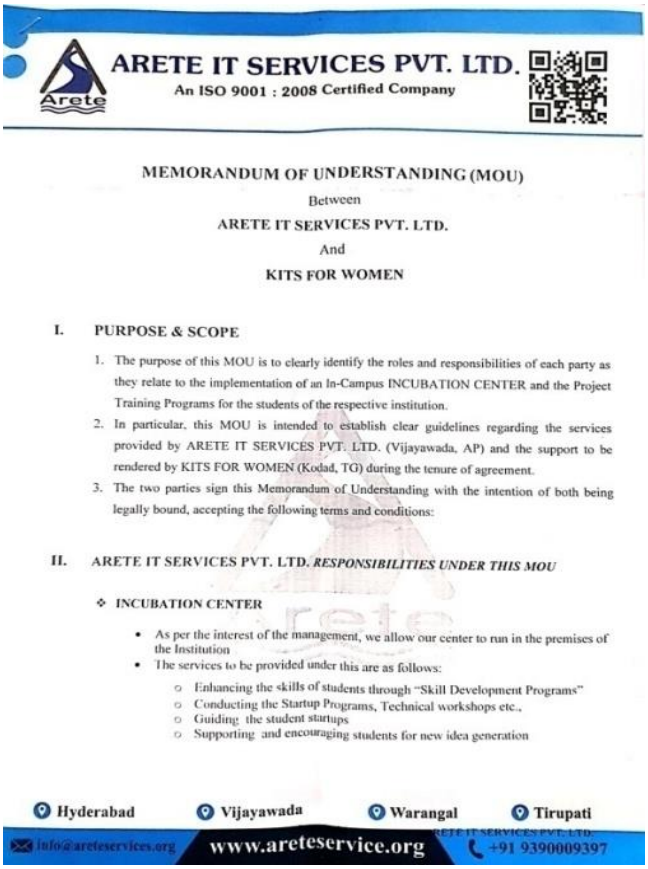
Hiduja Global solutions Campus drive(2019-20)

The following MOUs are presented as exhibits:

An MOU was signed between Efftronics and KITS during 2018-19, to provide training and placements to KITS college students.

1) KITSW MOU with ARETE IT Services:

The purpose of MOU is to clearly identify the roles and responsibilities of each party as they relate to implement the project training programs for the students and project training programs/ internships.



ARETE IT SERVICES PVT. LTD.
An ISO 9001 : 2008 Certified Company

MEMORANDUM OF UNDERSTANDING (MOU)
Between
ARETE IT SERVICES PVT. LTD.
And
KITS FOR WOMEN

I. PURPOSE & SCOPE

1. The purpose of this MOU is to clearly identify the roles and responsibilities of each party as they relate to the implementation of an In-Campus INCUBATION CENTER and the Project Training Programs for the students of the respective institution.
2. In particular, this MOU is intended to establish clear guidelines regarding the services provided by ARETE IT SERVICES PVT. LTD. (Vijayawada, AP) and the support to be rendered by KITS FOR WOMEN (Kodad, TG) during the tenure of agreement.
3. The two parties sign this Memorandum of Understanding with the intention of both being legally bound, accepting the following terms and conditions:

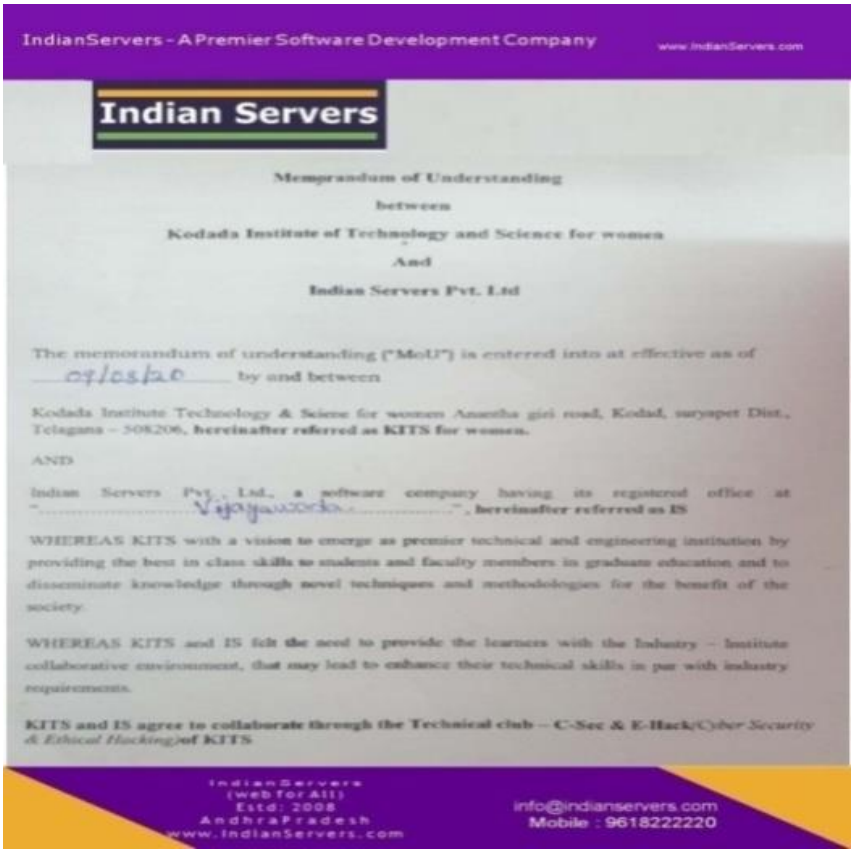
II. ARETE IT SERVICES PVT. LTD. *RESPONSIBILITIES UNDER THIS MOU*

❖ INCUBATION CENTER

- As per the interest of the management, we allow our center to run in the premises of the Institution
- The services to be provided under this are as follows:
  - Enhancing the skills of students through "Skill Development Programs"
  - Conducting the Startup Programs, Technical workshops etc.,
  - Guiding the student startups
  - Supporting and encouraging students for new idea generation

Hyderabad Vijayawada Warangal Tirupati
info@areteservices.org www.areteservice.org +91 9390009397

KITSW MOU with Indian Services:
Providing industry institute collaborative environment that may lead to enhance their technical skills in par with industry requirements. the following objective /foreseen benefits: Conducting various events-workshops/ discussion meet/ contest / hackathon, industry visits , internship programs.


IndianServers - A Premier Software Development Company

www.IndianServers.com

Indian Servers

Memprandum of Understanding

between

Kodada Institute of Technology and Science for women

And

Indian Servers Pvt. Ltd

The memorandum of understanding ("MoU") is entered into at effective as of 09/05/20 by and between

Kodada Institute Technology & Scienc for women Ananda giri road, Kodad, suryapet Dist., Telagana – 508206, hereinafter referred as KITS for women.

AND

Indian Servers Pvt. Ltd., a software company having its registered office at "Vijayawada", hereinafter referred as IS

WHEREAS KITS with a vision to emerge as premier technical and engineering institution by providing the best in class skills to students and faculty members in graduate education and to disseminate knowledge through novel techniques and methodologies for the benefit of the society.

WHEREAS KITS and IS felt the need to provide the learners with the Industry – Institute collaborative environment, that may lead to enhance their technical skills in par with industry requirements.

KITS and IS agree to collaborate through the Technical club – C-Sec & E-Hack(*Cyber Security & Ethical Hacking*)of KITS

IndianServers
(web for All)
Estd: 2008
AndhraPradesh
www.IndianServers.com

info@indianservers.com
Mobile : 9618222220

KITSW MOU with Efftronics:

Efftronics propose to collaborate through:

1. Exchanging of expertise by means of Guest Lectures, Technical Seminars, Workshops and other events (during regular working days) for the benefit of the faculty and students.
2. Permitting students for One-day Industrial Visit.
3. Allowing faculty & Staff for industrial training.
4. Permitting Practical training to students.
5. Attending campus recruitment where the intake depends up on the clearance of all the rounds by the candidate in selection process.

EFFTRONICS SYSTEMS PVT. LTD.
40-15-9, Brundavan Colony, Vijayawada-520 010, AP. INDIA
✆ : +91 (866) 246-6675, 249-3375, Fax: +91 (866) 247-4097
e-mail: info@efftronics.com Website: www.efftronics.com

To provide insight for enhancing wealth

Memorandum Of Understanding
Between
Kodada Institute of tech & science for women
And
Efftronics Systems Pvt Ltd

This Agreement made and entered into on 13-Mar-2019 between Kodada Institute of tech & science for women And Efftronics Systems Pvt Ltd (here in after called Efftronics) situated at Brundavan Colony, Vijayawada (A.P.). This MOU shall be valid for 1 year from the date and each party shall be at full liberty to terminate the collaboration with a notice period of 3 months.

Objectives of the MOU:

The objective of this Memorandum of Understanding is:

A. To promote interaction between **Kodada Institute of tech & science for women** and Efftronics in mutually beneficial areas.
B. To provide a formal basis for initiating interaction between **Kodada Institute of tech & science for women** and Efftronics.

Proposed Modes of Collaboration:

Kodada Institute of tech & science for women and Efftronics propose to collaborate through

1. Exchanging of expertise by means of Guest Lectures, Technical Seminars, Workshops and other events (during regular working days) for the benefit of the faculty and students.
2. Permitting students for One-day Industrial Visit.
3. Allowing faculty & Staff for industrial training.
4. Permitting Practical training to students.
5. Attending campus recruitment where the intake depends up on the clearance of all the rounds by the candidate in selection process.

Note: All the above modes will be decided upon mutual consent based on Availability, Work Schedules and Manpower of Company.

Date of Agreement: 13-MAR-19

With Regards

For Efftronics Systems Pvt. Ltd., **Kodada Institute of tech & science for women**

(D RAMA KRISHNA) **PRINCIPAL/DIRECTOR**
MANAGING DIRECTOR

Corporate Identity Number U51909AP1987PTC007554

Mfrs: Networking Data Loggers and LED Displays *Embedded Systems, Software*

"R&D" Recognised by DSIR, Govt. of India — A PRODUCT DEVELOPMENT COMPANY — An ISO 9001:2008 Company

Scanned by CamScanner

Counseling for higher studies:

All the department faculty acts as mentors encourage bright students not only to bring their best academic performances but also to excel in i)national competitive examinations (like GATE,CAT), ii) international competitive examinations (like GRE,TOEFEL) and iii)PGECET,ICET. Some of the evidences are exhibited below. Also, majority of students are encouraged to register for NPTEL courses.

Number of students qualified in PGECET and NPTEL is enlisted below.

YEAR	Branch wise students qualified in PGECET				
	CSE	EEE	ECE	CIVIL	TOTAL
2020-21	07	12	08	04	31
2019-20	06	10	04	02	22
2018-19	04	05	03	02	14
2017-18	03	04	02	02	11
Total	13	19	09	06	78

YEAR	Branch wise students qualified in ICET(MBA)				
	CSE	EEE	ECE	CIVIL	TOTAL
2019-20	01	0	0	0	1

YEAR	Branch wise students qualified in NPTEL exam				
	EEE	CIVIL	ECE	CSE	TOTAL
2019-20	5	3	4	6	18

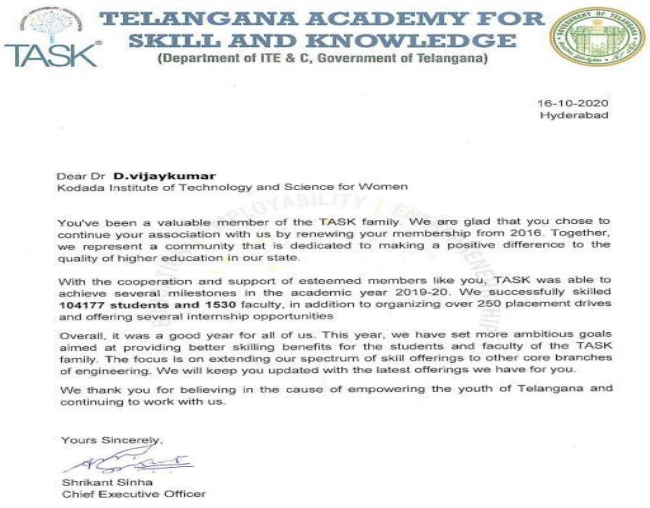
Industry Interaction for training/ internship/ placement

The college has MOUs for training to improve all types of skills of students:

- with ARETE IT Services for Training/ Internship programs.
- With Efftronics Training/ Internship
- with Telangana Government for Training Program of TASK

The following MOUs are presented as exhibits:

An MOU was signed between TASK and JNTUHCEJ during 2017-18, to provide training and placements to JNTUHCEJ college students naming it as TATA Affirmative action Programme.



TELANGANA ACADEMY FOR SKILL AND KNOWLEDGE
(Department of ITE & C, Government of Telangana)

16-10-2020
Hyderabad

Dear Dr **D.vijaykumar**
Kodada Institute of Technology and Science for Women

You've been a valuable member of the TASK family. We are glad that you chose to continue your association with us by renewing your membership from 2016. Together, we represent a community that is dedicated to making a positive difference to the quality of higher education in our state.

With the cooperation and support of esteemed members like you, TASK was able to achieve several milestones in the academic year 2019-20. We successfully skilled **104177 students and 1530** faculty, in addition to organizing over 250 placement drives and offering several internship opportunities.

Overall, it was a good year for all of us. This year, we have set more ambitious goals aimed at providing better skilling benefits for the students and faculty of the TASK family. The focus is on extending our spectrum of skill offerings to other core branches of engineering. We will keep you updated with the latest offerings we have for you.

We thank you for believing in the cause of empowering the youth of Telangana and continuing to work with us.

Yours Sincerely,

Shrikant Sinha
Chief Executive Officer

1st Floor, Ashoka Raghupathi Chambers, Opp. to Shoppers Stop, Begumpet, SP. Road, Secunderabad - 500 016. Telangana.
☎ : 040 - 48488275, 🖷 : 040 - 48488286, 🌐 www. task.telangana.gov.in

Objectives
ARETE IT services and TASK

These industries involve in designing the program, depute trainers to train the faculties and students of our institution. The students are encouraged to take internship program during their semester break. Faculty members give their guidelines, suggestions and scope and contact details of an internship. They also help the students by interacting with the industrial experts, provide the students recommendation letters and other necessary supports. The alumni coordinator constantly interacts with alumni those who are working in the industries and request them to provide necessary guidelines and supports for their.

9.6. Entrepreneurship Cell (5)

(The institution may describe the facility, its management and its effectiveness in encouraging entrepreneurship and incubation) (Success stories for each of the assessment years are to be mentioned)
The Institute strongly believes that original and innovative ideas are born in the minds of young people. The Entrepreneurship Development Cell (EDC) at KITS has been established to develop such entrepreneurial spirit among the students and help them to realize their dreams. Effort is made to inculcate these skills from student days and with the objective of providing a whole some education which includes this kind of orientation. In order to do so an EDC cell has been formed in the College with the following objectives

- To conduct various entrepreneurship programs like Training programs, Seminars, awareness camps in order to promote entrepreneurship among the students.
- To create awareness on entrepreneurship among the students.
- To motivate and develop entrepreneurship abilities among the students.
- To create awareness regarding the sources of help and support available to potential entrepreneurs.
-

Vision

- To motivate the young Engineers to stand on their own feet who in turn can provide a foot space to the mankind with leadership qualities using innovative and ethical business practices.

Mission

- Impart the passion and spirit among budding Engineers toward entrepreneurship and make them self-sufficient and self-confident.

- Encourage innovative, latent talents and skills to converting them into successful entrepreneurs

Long Term Goals (5 Years)

- Motivate students to develop their own startups.
- Develop business incubators.

Short Term Goals (2 Years)

- To provide a platform for interaction with entrepreneurs.
- Impart entrepreneurial education/skills amongst students through various trainings and exercise.
- Arrange vibrant interaction with organizations promoting the cause of entrepreneurship.

Organization Structure of EDC:

The Core Committee is supported in the following Working areas:

- Multimedia and Aesthetics
- Public, Corporate Relations and Startup Connect
- Accounts and Documentation

Departmental Advisors & Organizers:

S.NO	NAME OF THE STAFF	RESPONSIBILTY
1	Mr. NARESH REDDY	Convener
2	Mrs. M. VIJETHA	Member (CSE)
3	Mr. D. SHIVA PRASAD	Member (EEE)
4	Mr. K. RAMU	Member (ECE)

The following are snapshots of the Entrepreneurship Development Cell of the College:
Actives organized under Entrepreneurship Development Cell:

SNO	Academic Year	Program	Theme	Student participants
1	2020-21	Entrepreneurship Development Program(Inspirational speech by B.Ramanarsimharao, Managing Director of RISHAN Technologies PVT LTD, Kothapet)	Entrepreneurial Awareness	150
2	2019-20	Entrepreneurship Development Program(Inspirational speech by Padma sri.CH.	Entrepreneurial Awareness	250

		Mallesham, inverntor of LAKSHMI ASU MACHINE, Sharajpet)		
3	2018-19	Guest Lecture by Sri. Meela Satyanarayana, SUDHAKAR Group, Suryapet.	Inputs on: Money Management & Wealth Creation, Investments & Businesses	200
4	2017-18	Entrepreneurship development Program Inspirational Speech on the Eve of Women's Day Celebrations by: B.Yadaiah. Principal (FAC), Govt. Degree College, Ramannapet	Interaction with Successful Women Entrepreneurs	250

Future Programs Planned:

The ED cell in the upcoming year is organizing more interaction with successful entrepreneurs, organizing workshops and taking up measure to set up business incubation center in the institute.

1. To organize Entrepreneurship Awareness Camps, Entrepreneurship Development Programs and Faculty Development Programs in the region for the benefit of S&T persons.
2. To conduct research work and survey for identifying entrepreneurial opportunities (particularly in S&T areas and Service sector).
3. To guide and assist prospective entrepreneurs on various aspects such as preparing project reports, obtaining project approvals, loans and facilities from agencies of support systems and information on various technologies
4. To organize guest lectures, Seminars, etc. for promotion and growth of S& T based entrepreneurship.
5. To arrange visits to industries for prospective entrepreneurs.
6. To extend necessary guidance and escort services to the trainees in obtaining approval and execution of their projects.
7. To act as a Regional Information Centre on business opportunities, processes, technologies, market, etc. by creating and maintaining relevant databases.
8. To provide testing, calibration, quality assurance, design, tool room, pilot plant and other facilities for Entrepreneurs besides expertise in

Intellectual Property rights, Patents search, etc.

To conduct skill development training programs leading to self/wage employment.

9.7. Co-curricular and Extra-curricular Activities (10)

(The institution may specify the co-curricular and extra-curricular activities) (Quantify activities such as UBA etc.)

The institute regularly encourages students to participate in various co-curricular and extra-curricular activities involving sports and cultural activities. The institute involved in Organizing various programmers like Swatch Bharath, blood donation etc.

Institute actively involves in Independence Day & Republic Day celebrations to motivate the Engineering students to participate actively.

College has twice got credentials from his Excellency as best Blood Donation Unit.

The college has adopted Palaram, Golthanda village where it conducts every year activities like clean and green, planting saplings, cleaning of village tank, conduct of free medical camp etc.

The institute as well as the department encourages students to actively participate co- curricular activities. The institution has registered to professional bodies like **CSI**. The department coordinators of these professional bodies encourage students to exhibit their technical skills during department technical fest conducted every year. Lectures & Expert Talk for Computer Science & Engineering Branch, Electrical & Electronics Engineering Branch, Electronics & Communication Engineering Branch, Civil Engineering Branch.

A.Y. 2019-20:

S.No	Name of the Event	Resource Person	Dates	No. of Students Participated	Targeted audience
1	A 3 Days webinar on Cyber Security	Mr. Rupesh Mittal Mr. NNP Sankaram Mr. Chandra Shekar Deshaka	04/05/2020	100	All B. Tech Students

The following activities have been conducted over the years:
Extra-Curriculum Activities:

1. Rangoli
2. Poetry
3. Essay
4. Quiz
5. Jam
6. Painting
7. Sketching

Co-Curricular Activities:

1. Engineers Day
2. Teachers Day
3. Quiz Competition
4. Department Association
5. Tech Fest (Spardha)

Spardha 2K20 Chief Guest: Dr. Sridevi HOD CSE JNTUH

Spardha Poster

Technical Event 2019-20

S. No	HT. No.	Name of the Student	Event	DATE	Award/Reward	Department
1	17QU1A0269	L. SHIRISHA	SPARDHA-2020	30/01/2020	Ist Prize in PPT	EEE
2	17QU1A0279	K. SWAPNA	SPARDHA-2020	30/01/2020	Ist Prize in PPT	EEE

3	17QU1A0269	L. SHIRISHA	SMARTECH-2020	20/02/2020	Ist Prize in PPT	EEE
4	17QU1A0279	K. SWAPNA	SMARTECH-2020	20/02/2020	Ist Prize in PPT	EEE
5	17QU1A0269	L. SHIRISHA	Bomma Premier League-2020	6/3/2020	Ist Prize in PPT	EEE
6	17QU1A0279	K. SWAPNA		6/3/2020	Ist Prize in PPT	EEE

17QU1A0269 AND 17QU1A0279 Received first prize in PPT's Presentation SMARTECH-2020


ANURAG ENGINEERING COLLEGE
(AN AUTONOMOUS INSTITUTION)
(Accredited by NBA, New Delhi & Approved by AICTE, New Delhi & Affiliated to JNTUH, HYD)
Ananthagiri (V & M), Suryapet (Dt) - 508206 Ph: 08683-272555, 272456,272454
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
SMARTECH-2020
Certificate
This Certificate has Awarded to Mr / Ms. L. Shireesha of
Kits College Kodad College as WINNER / RUNNER in the event
Power point presentation Organized as part of SMARTECH-2020 on 20th FEBRUARY 2020.
Mr.S.Chandra Shekar
H.O.D
Dr.M.V.Siva Prasad
Principal

17QU1A0269 Received first prize in PPT's Presentation SMARTECH-2020

Cultural Event 2019-20

S. No	HT. No.	Name of the Student	Event	DATE	Award/Reward	Department

1	17QU1A0263	G. SANDHYA DORA	RK KALA SAMSKRUTHIKA FOUNDATION	17/09/2019	Ist Prize	EEE

CERTIFICATE

Extra Curricular activities:

Games and Sports facilities:

Sport is an integral part of the curriculum. Various sports facilities are provided to the students within the campus. The college is committed to create a balanced atmosphere of academic, cultural and sports activities for the overall personality development of its students. Various sports competitions such as Inter departmental, Inter collegiate, Inter University, etc help in developing team spirit in students. Their interpersonal relationship is enhanced in a very healthy manner. Students are provided with honors like medals, trophies and certificates.

Outdoor Games –

1. Kabadi
2. Volley Ball
3. Tennikoid
4. Cricket
5. Kho-Kho

Indoor Games–

1. Chess
2. Carom

MARSHAL ARTS

KARATE

Sports: The institution believes, "a student is mentally fit only when he/she is physical fit". A qualified faculty in physical education N.Srinu, is looking after the sports activities of students.

Sports Grounds in the Institution			
S.No.	**Sports**	**Area**	**Usage No. of Students / Day**
1	Cricket	50M X40M	10 0
2	Volleyball Courts – 3	18M X 9M	80
3	Indoor games	40M X 20M	12 0
4	TenniCoite Court – 01	12.20M X 5.50M	45
5	Kho-Kho	27MX14M	50

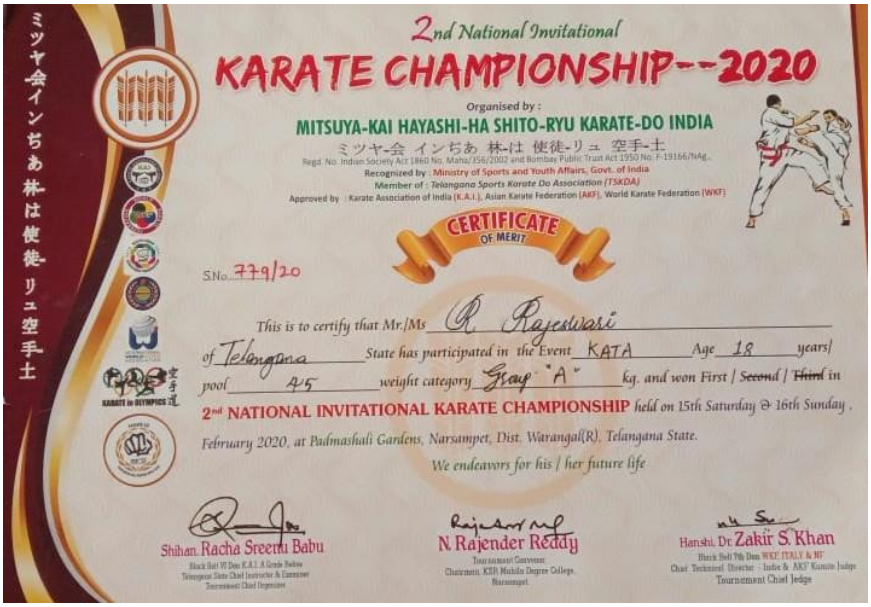
Volley Ball Court

KARATE DETAILS

SNO	DATE	NAME OF THE EVENT	HTNO	NAME OF THE STUDENT	Awards
1	3/11/2019	National Karate Championship ,Vijayawada	19QU1A0248	R. Rajeswari (Group-A)	Won 2nd Prize
2	1/12/2019	Inter State Invitational Karate Championship ,Vijayawada	19QU1A0248	R. Rajeswari (Group-A)	Won 1st Prize
			19QU1A0480	N. Savitha (Group-B)	Won 2nd Prize
			18QU1A0505	G. Aravinda (Group-A)	Won 3rd Prize
			19QU1A0158	M. Sailaja (Group-B)	Won 3rd Prize

3	16/02/2020	Second Invitational Karate Championship ,Vijayawada	19QU1A0248	R. Rajeswari (Group-A)	Won 1st Prize
			19QU1A0480	N. Savitha (Group-B)	Won 1st Prize
			19QU1A0414	M. Bhavya (Group-D)	Won 1st Prize
			19QU1A0437	M. Laxmi (Group-A)	Won 2nd Prize
			19QU1A0158	M. Shailaja (Group-B)	Won 2nd Prize

Karate Championship-2020



Certificate in Group A

Students are participated in various central zone inter university champion ships past 3 academic years and are placed in various positions.

NSS & UBA Activates:

A.Y.2019-20

S.NO	ACTIVITY	DATE	NO.OF VOLUNTEERS
1	Unnat Bharat Abhiyan	28-11-2019 06-12-2019 08-12-2019 11-12-2019	240
2	Blood donation camp	08-02-2020	10
3	Plantation	20-07-2019	20
4	Medical camp	28-09-2019	6

A.Y.2018-19

S.NO	ACTIVITY	DATE	NO.OF VOLUNTEERS
1	Clean and green camp	04-08-2018	25
2	Blood donation camp	09-02-2019	5
3	Awareness on education to rural children	21-07-2018	3

A.Y.2017-18

S.NO	ACTIVITY	DATE	NO.OF VOLUNTEERS
1	Awareness on women employment	15-07-2017	5
2	Awareness about tradition	09-09-2017	4
3	Blood donation camp	10-02-2018	7

Samples Photo's

Blood donation camp at our campus

Planting Trees

CRITERION 10	Governance, Institutional Support and Financial Resources	60

10. GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES(120)

10.1. Organization, Governance and Transparency(40)

10.1.1. State the Vision and Mission of the Institute(5)

Institution Vision
We envision developing an ideal educational institution that caters the dreams of prospective rural women engineers who wish to take up greater challenges in technical arena.

Institution Mission	
MD #	**Statement** **The aspirations are fulfilled and continue to fulfill:**
M1	To make apparent the latent talent in rural women
M2	To provide rural women with conductive atmosphere for them to grow in engineering education
M3	To enrich their academics and soft skills
M4	To equip them with sets of employable skills
M5	To finally mould them into man making and nation building human resources

10.1.2. Governing body, administrative setup, functions of various bodies, service rules, procedures, recruitment and promotional policies(10)

List the governing, senate, and all other academic and administrative bodies; their memberships, functions, and responsibilities; frequency

of the meetings; and attendance there in, in a tabular form. A few sample minutes of the meetings and action-taken reports should be annexed.

The published rules including service rules, policies and procedures; year of publication shall be listed. Also state the extent of awareness among the employees/ students.

The overall administration is overseen by the Governing Body (GB) of the College. The Governing Body has been framed on the rules and regulations of the affiliating University and consists of people from academics, industry and independent authorities. The Principal is indeed responsible for implementation of strategic plan and reporting to GB. The GB periodically reviews the implementation of the strategic plan keeping in line with the institute vision and mission. The periodical report about the various activities of the college is presented in the GB meeting by the Principal.

The management is also committed and performs the leadership role for effective and efficient conduct of teaching and learning process in the college. The responsibilities of governance include choosing the top academic/administrative functionaries and evaluating their performance, authorizing plans/commitments and evaluating the institute performance. The management has the responsibility for managing and enhancing the overall performance of the institution. The management also bears the responsibility of implementing the systems of governance. The role of governance is to set the right policy and ensure that things are being done in a right manner. On the other hand, the management implements those policies and procedures in the process of doing things properly. This practice of governance has been followed at KITS in order to implement the things in a smooth manner.

Role of Principal and Relationship with the Management The GB is headed by the chairman who is responsible for implementing its plans, policies and developmental needs for the benefit of its stakeholders.The Chairman is responsible for strategic leadership and good governance. The Principal being its Chief academic and administrative Officer provides leadership for the academic, administration and ensures effective implementation of plans and

policies of Governing Body for total institutional development.

The Principal ensures that quality education is being imparted to the students and the institute caters to the holistic growth of the students.

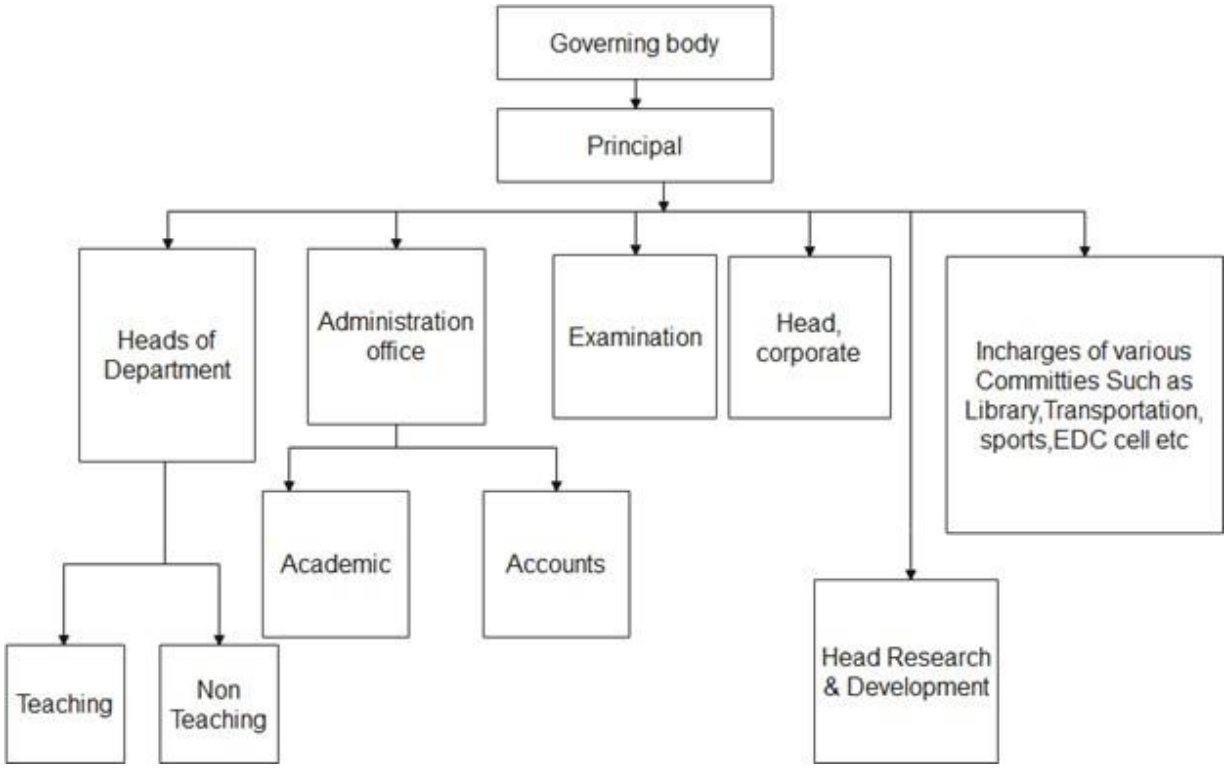


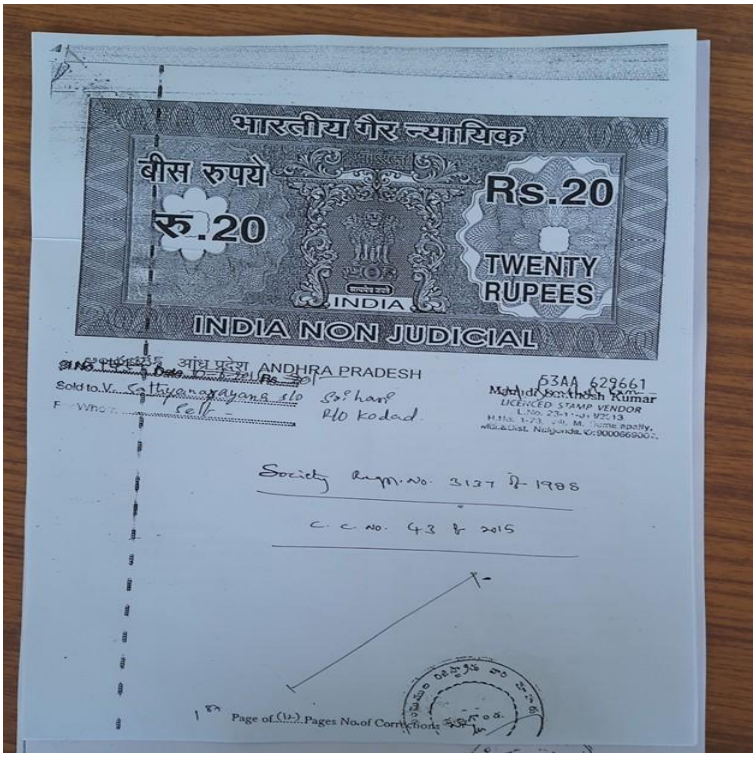
Fig: Hierarchy of KITSW

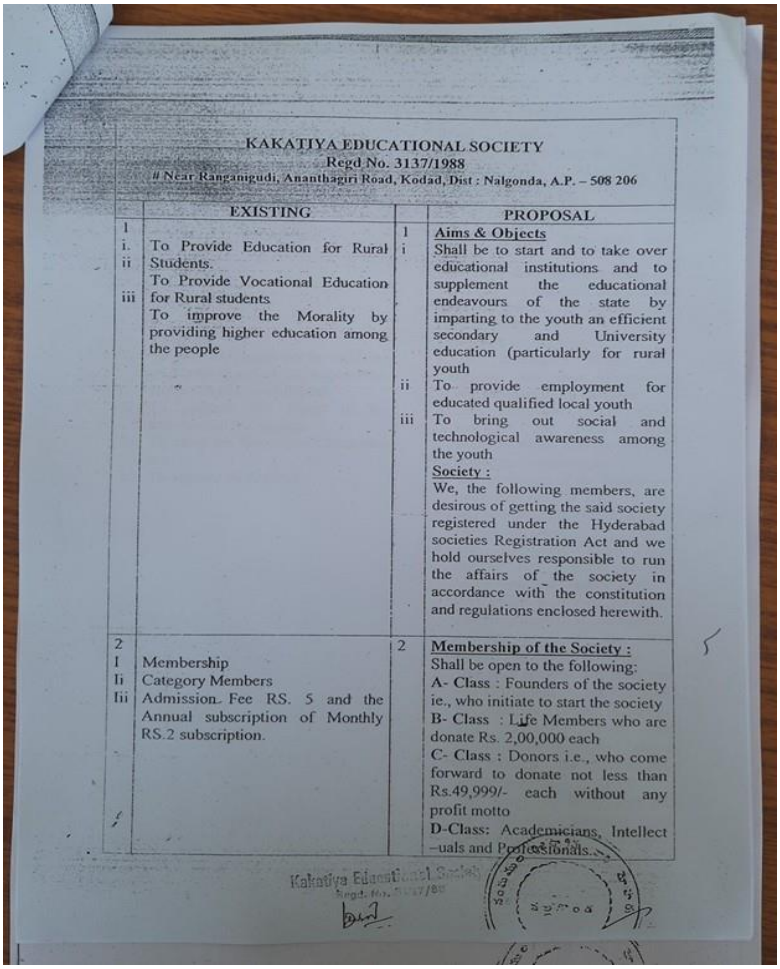
Composition of Governing Body

SNO	NAME OF THE COMMITTEE MEMBER	DESIGNATION
1	Mr. Ch.Keshava Rao, Chairman	Chairman
2	Mr.P.Prasad, Secretary	Member
3	Mr.V.RamaRaju, Joint Secretary	Member
4	Mr.V.Satyanarayana, Director	Member
5	Dr.Ch.Bhargava Rama, Assoc. Professor,IIT Madras	Member
6	Dr.N.V.Ramana, Professor & Principal JNTU, jagityal (University Nominee)	Member
7	Mr.Ch.Raghavendra, Engineering Manager, ntel Technologies, Bangalore	Member
8	Dr. D.Vijay Kumar, Professor of Civil Engineering, Principal	Member
9	Dr.Ch.Nargarjuna Rao, Professor of H&S, Vice-Principal	Member
10	Mr.Ch.Suresh kumar, Head Corporate Affairs	Member

The Governing Body of KITS comprises of members with strong academic background and administrative experience. This has indeed helped the institution to a great extent. The Governing Body has in place various committees to continuously monitor the academic and administrative activities of the institution. Following the basic principles of good governance, the institution has various academic and administrative committees in place to ensure smooth functioning and efficient governance. The prime objective of these committees is effective utilization of human resource, infrastructure and other facilities and to bring about transparency and accountability in the process of administration.

Frequency of meetings: Twice in a year

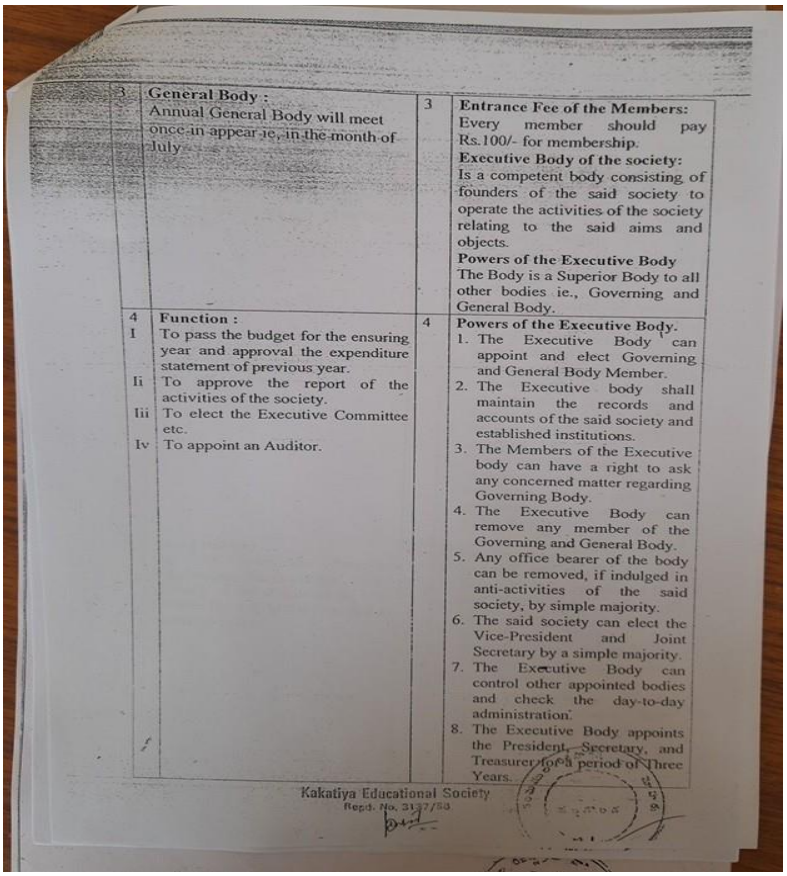




KAKATIYA EDUCATIONAL SOCIETY
Regd No. 3137/1988
Near Ranganigudi, Ananthagiri Road, Kodad, Dist : Nalgonda, A.P. – 508 206

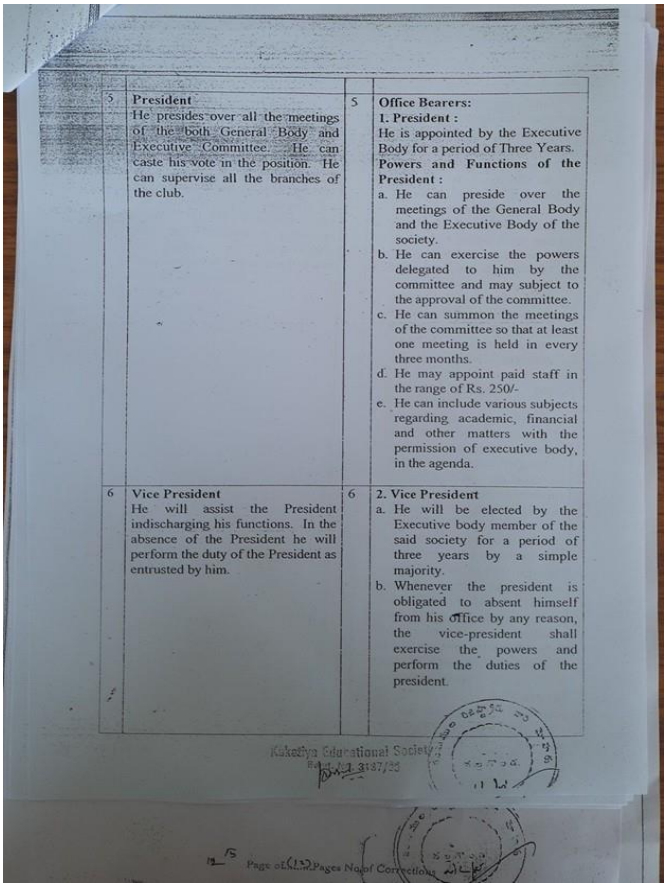
	EXISTING		PROPOSAL
1		1	**Aims & Objects**
i.	To Provide Education for Rural Students.	i	Shall be to start and to take over educational institutions and to supplement the educational endeavours of the state by imparting to the youth an efficient secondary and University education (particularly for rural youth
ii	To Provide Vocational Education for Rural students	ii	To provide employment for educated qualified local youth
iii	To improve the Morality by providing higher education among the people	iii	To bring out social and technological awareness among the youth
			Society : We, the following members, are desirous of getting the said society registered under the Hyderabad societies Registration Act and we hold ourselves responsible to run the affairs of the society in accordance with the constitution and regulations enclosed herewith.
2		2	**Membership of the Society :**
I	Membership		Shall be open to the following:
Ii	Category Members		A- Class : Founders of the society ie., who initiate to start the society
Iii	Admission Fee RS. 5 and the Annual subscription of Monthly RS.2 subscription.		B- Class : Life Members who are donate Rs. 2,00,000 each
			C- Class : Donors i.e., who come forward to donate not less than Rs.49,999/- each without any profit motto
			D-Class: Academicians, Intellect –uals and Professionals.

Kakatiya Educational Society



3	**General Body :** Annual General Body will meet once in appear ie, in the month of July	3	**Entrance Fee of the Members:** Every member should pay Rs.100/- for membership. **Executive Body of the society:** Is a competent body consisting of founders of the said society to operate the activities of the society relating to the said aims and objects. **Powers of the Executive Body** The Body is a Superior Body to all other bodies ie., Governing and General Body.
4 I Ii Iii Iv	**Function :** To pass the budget for the ensuring year and approval the expenditure statement of previous year. To approve the report of the activities of the society. To elect the Executive Committee etc. To appoint an Auditor.	4	**Powers of the Executive Body.** 1. The Executive Body can appoint and elect Governing and General Body Member. 2. The Executive body shall maintain the records and accounts of the said society and established institutions. 3. The Members of the Executive body can have a right to ask any concerned matter regarding Governing Body. 4. The Executive Body can remove any member of the Governing and General Body. 5. Any office bearer of the body can be removed, if indulged in anti-activities of the said society, by simple majority. 6. The said society can elect the Vice-President and Joint Secretary by a simple majority. 7. The Executive Body can control other appointed bodies and check the day-to-day administration. 8. The Executive Body appoints the President, Secretary, and Treasurer for a period of Three Years.

Kakatiya Educational Society
Regd. No. 3137/88



5	**President** He presides over all the meetings of the both General Body and Executive Committee. He can caste his vote in the position. He can supervise all the branches of the club.	5	**Office Bearers:** **1. President :** He is appointed by the Executive Body for a period of Three Years. **Powers and Functions of the President :** a. He can preside over the meetings of the General Body and the Executive Body of the society. b. He can exercise the powers delegated to him by the committee and may subject to the approval of the committee. c. He can summon the meetings of the committee so that at least one meeting is held in every three months. d. He may appoint paid staff in the range of Rs. 250/- e. He can include various subjects regarding academic, financial and other matters with the permission of executive body, in the agenda.
6	**Vice President** He will assist the President indischarging his functions. In the absence of the President he will perform the duty of the President as entrusted by him.	6	**2. Vice President** a. He will be elected by the Executive body member of the said society for a period of three years by a simple majority. b. Whenever the president is obligated to absent himself from his office by any reason, the vice-president shall exercise the powers and perform the duties of the president.

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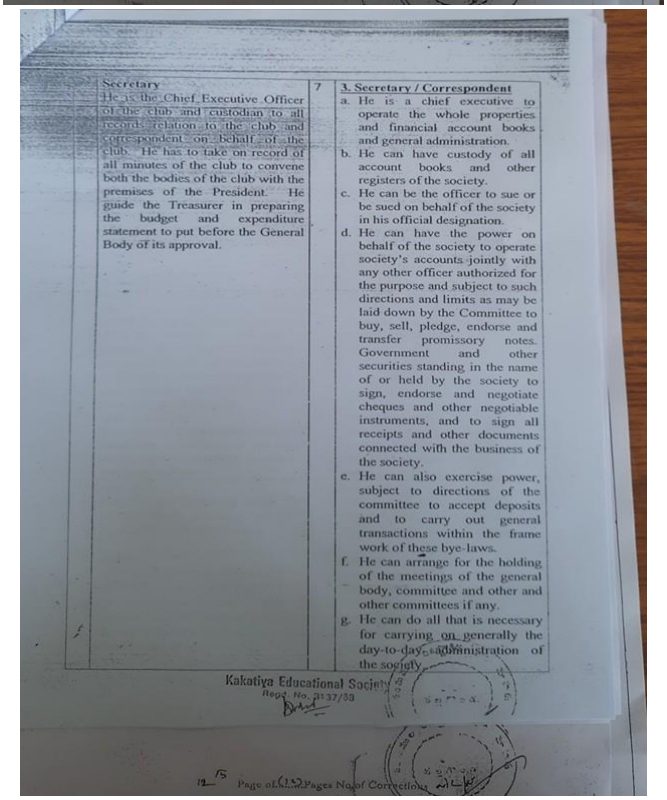

Secretary He is the Chief Executive Officer of the club and custodian to all records relation to the club and correspondent on behalf of the club. He has to take on record of all minutes of the club to convene both the bodies of the club with the premises of the President. He guide the Treasurer in preparing the budget and expenditure statement to put before the General Body of its approval.	7	**3. Secretary / Correspondent** a. He is a chief executive to operate the whole properties and financial account books and general administration. b. He can have custody of all account books and other registers of the society. c. He can be the officer to sue or be sued on behalf of the society in his official designation. d. He can have the power on behalf of the society to operate society's accounts jointly with any other officer authorized for the purpose and subject to such directions and limits as may be laid down by the Committee to buy, sell, pledge, endorse and transfer promissory notes. Government and other securities standing in the name of or held by the society to sign, endorse and negotiate cheques and other negotiable instruments, and to sign all receipts and other documents connected with the business of the society. e. He can also exercise power, subject to directions of the committee to accept deposits and to carry out general transactions within the frame work of these bye-laws. f. He can arrange for the holding of the meetings of the general body, committee and other and other committees if any. g. He can do all that is necessary for carrying on generally the day-to-day administration of the society.

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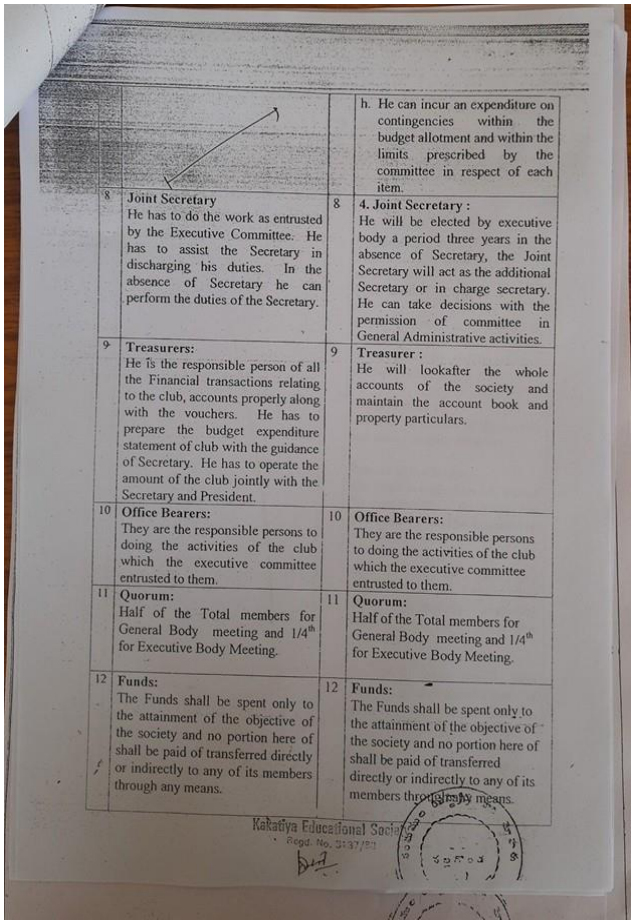
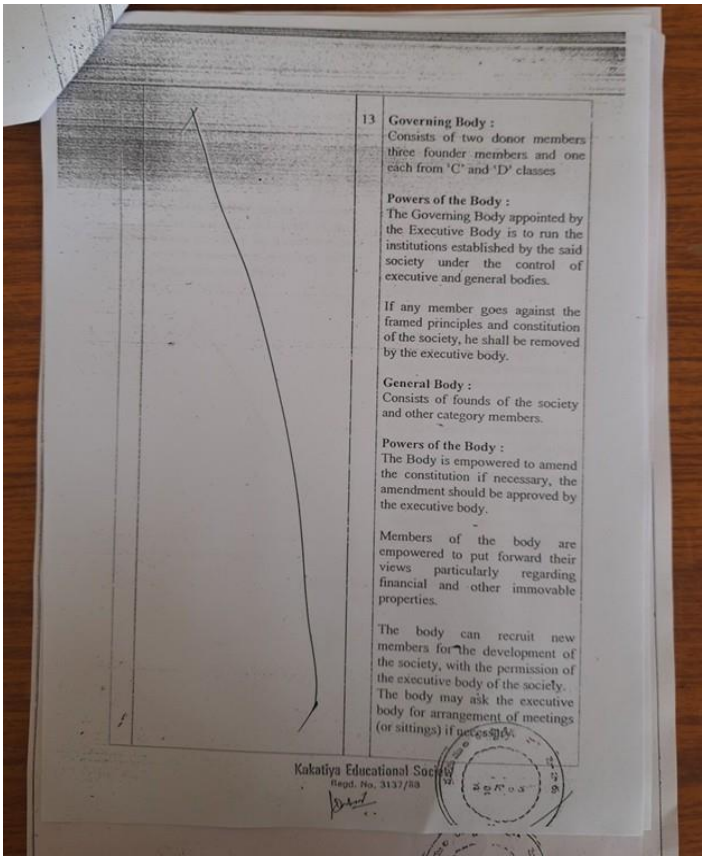


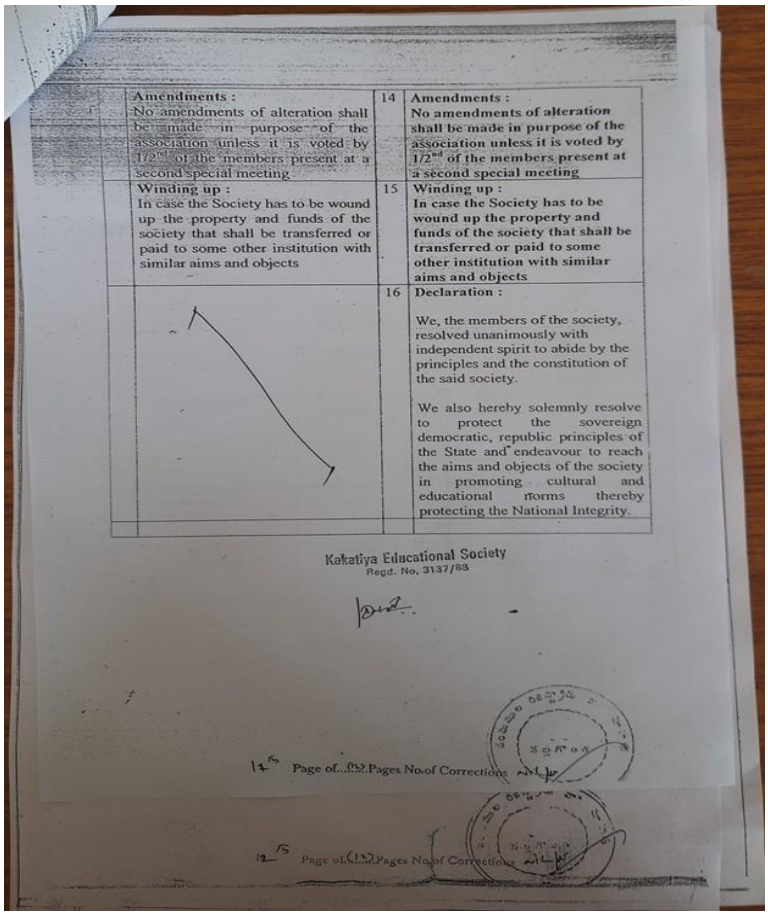
			h. He can incur an expenditure on contingencies within the budget allotment and within the limits prescribed by the committee in respect of each item.
8	**Joint Secretary** He has to do the work as entrusted by the Executive Committee. He has to assist the Secretary in discharging his duties. In the absence of Secretary he can perform the duties of the Secretary.	8	**4. Joint Secretary :** He will be elected by executive body a period three years in the absence of Secretary, the Joint Secretary will act as the additional Secretary or in charge secretary. He can take decisions with the permission of committee in General Administrative activities.
9	**Treasurers:** He is the responsible person of all the Financial transactions relating to the club, accounts properly along with the vouchers. He has to prepare the budget expenditure statement of club with the guidance of Secretary. He has to operate the amount of the club jointly with the Secretary and President.	9	**Treasurer :** He will lookafter the whole accounts of the society and maintain the account book and property particulars.
10	**Office Bearers:** They are the responsible persons to doing the activities of the club which the executive committee entrusted to them.	10	**Office Bearers:** They are the responsible persons to doing the activities of the club which the executive committee entrusted to them.
11	**Quorum:** Half of the Total members for General Body meeting and 1/4th for Executive Body Meeting.	11	**Quorum:** Half of the Total members for General Body meeting and 1/4th for Executive Body Meeting.
12	**Funds:** The Funds shall be spent only to the attainment of the objective of the society and no portion here of shall be paid of transferred directly or indirectly to any of its members through any means.	12	**Funds:** The Funds shall be spent only to the attainment of the objective of the society and no portion here of shall be paid of transferred directly or indirectly to any of its members through any means.

Kakatiya Educational Society
Regd. No. 3137/83



13	**Governing Body :** Consists of two donor members three founder members and one each from 'C' and 'D' classes **Powers of the Body :** The Governing Body appointed by the Executive Body is to run the institutions established by the said society under the control of executive and general bodies. If any member goes against the framed principles and constitution of the society, he shall be removed by the executive body. **General Body :** Consists of founds of the society and other category members. **Powers of the Body :** The Body is empowered to amend the constitution if necessary, the amendment should be approved by the executive body. Members of the body are empowered to put forward their views particularly regarding financial and other immovable properties. The body can recruit new members for the development of the society, with the permission of the executive body of the society. The body may ask the executive body for arrangement of meetings (or sittings) if necessary.

Kakatiya Educational Society
Regd. No. 3137/83



Amendments : No amendments of alteration shall be made in purpose of the association unless it is voted by 1/2nd of the members present at a second special meeting	14	**Amendments :** No amendments of alteration shall be made in purpose of the association unless it is voted by 1/2nd of the members present at a second special meeting
Winding up : In case the Society has to be wound up the property and funds of the society that shall be transferred or paid to some other institution with similar aims and objects	15	**Winding up :** In case the Society has to be wound up the property and funds of the society that shall be transferred or paid to some other institution with similar aims and objects
	16	**Declaration :** We, the members of the society, resolved unanimously with independent spirit to abide by the principles and the constitution of the said society. We also hereby solemnly resolve to protect the sovereign democratic, republic principles of the State and endeavour to reach the aims and objects of the society in promoting cultural and educational norms thereby protecting the National Integrity.

Kakatiya Educational Society
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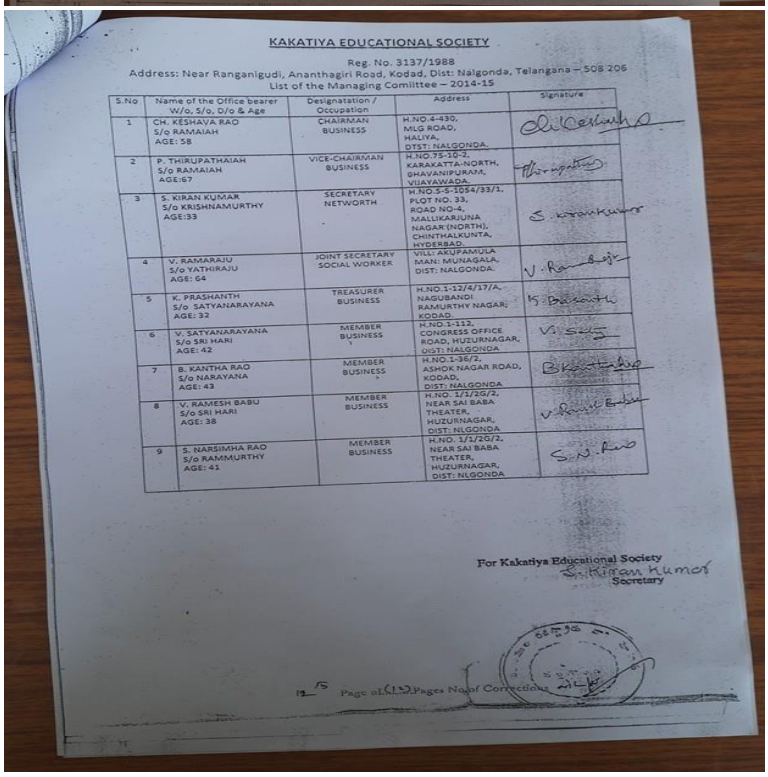

KAKATIYA EDUCATIONAL SOCIETY

Reg. No. 3137/1988
Address: Near Ranganigudi, Ananthagiri Road, Kodad, Dist: Nalgonda, Telangana – 508 206
List of the Managing Comilttee – 2014-15

S.No	Name of the Office bearer W/o, S/o, D/o & Age	Designatation / Occupation	Address	Signature
1	CH. KESHAVA RAO S/o RAMAIAH AGE: 58	CHAIRMAN BUSINESS	H.NO.4-430, MLG ROAD, HALIYA, DTST: NALGONDA.	
2	P. THIRUPATHAIAH S/o RAMAIAH AGE:67	VICE-CHAIRMAN BUSINESS	H.NO.75-10-2, KARAKATTA-NORTH, BHAVANIPURAM, VIJAYAWADA.	
3	S. KIRAN KUMAR S/o KRISHNAMURTHY AGE:33	SECRETARY NETWORTH	H.NO.5-5-1054/33/1, PLOT NO. 33, ROAD NO-4, MALLIKARJUNA NAGAR (NORTH), CHINTHALKUNTA, HYDERBAD.	
4	V. RAMARAJU S/o YATHIRAJU AGE: 64	JOINT SECRETARY SOCIAL WORKER	VILL: AKUPAMULA MAN: MUNAGALA, DIST: NALGONDA.	
5	K. PRASHANTH S/o SATYANARAYANA AGE: 32	TREASURER BUSINESS	H.NO.1-12/4/17/A, NAGUBANDI RAMURTHY NAGAR; KODAD.	
6	V. SATYANARAYANA S/o SRI HARI AGE: 42	MEMBER BUSINESS	H.NO.1-113, CONGRESS OFFICE ROAD, HUZURNAGAR, DIST: NALGONDA	
7	B. KANTHA RAO S/o NARAYANA AGE: 43	MEMBER BUSINESS	H.NO.1-36/2, ASHOK NAGAR ROAD, KODAD, DIST: NALGONDA	
8	V. RAMESH BABU S/o SRI HARI AGE: 38	MEMBER BUSINESS	H.NO. 1/1/26/2, NEAR SAI BABA THEATER, HUZURNAGAR, DIST: NLGONDA	
9	S. NARSIMHA RAO S/o RAMMURTHY AGE: 41	MEMBER BUSINESS	H.NO. 1/1/26/2, NEAR SAI BABA THEATER, HUZURNAGAR, DIST: NLGONDA	

For Kakatiya Educational Society
S. Kiran Kumar
Secretary

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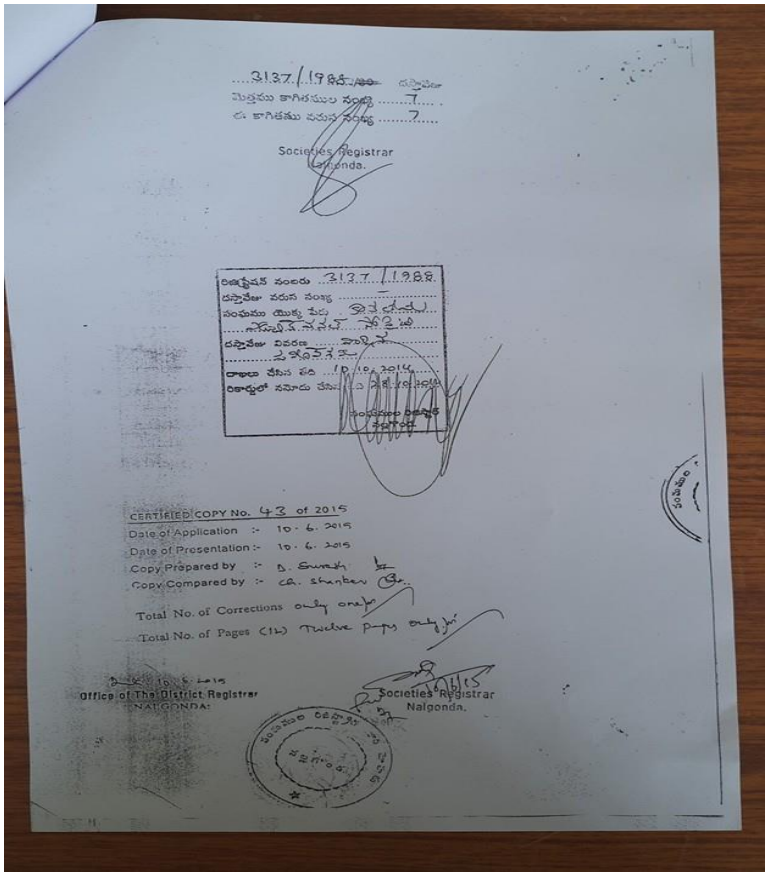
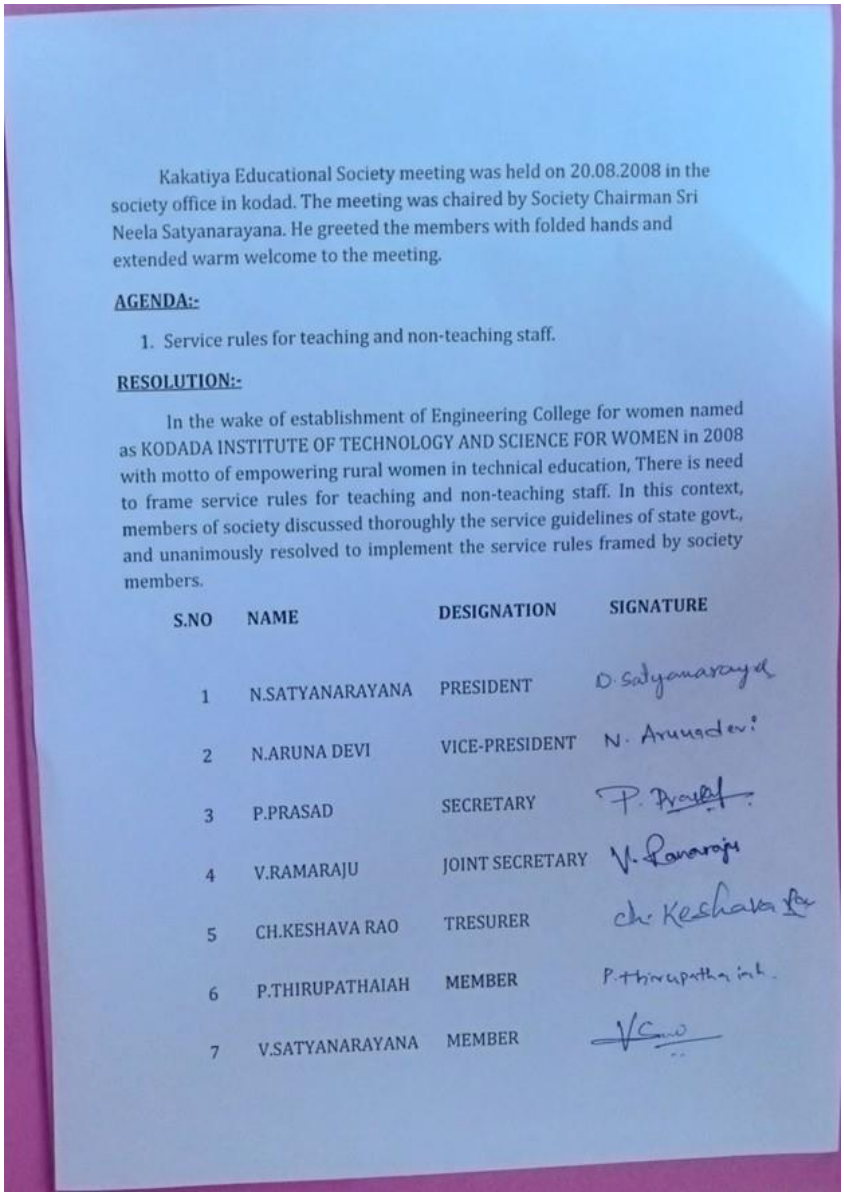

3137/1988
Societies Registrar
Nalgonda.
CERTIFIED COPY No. 43 of 2015
Date of Application :- 10-6-2015
Date of Presentation :- 10-6-2015
Copy Prepared by :- D. Sumathi
Copy Compared by :- CH. Shankar
Total No. of Corrections only one
Total No. of Pages (12) Twelve Pages only
Office of The District Registrar
NALGONDA
Societies Registrar
Nalgonda.



Kakatiya Educational Society meeting was held on 20.08.2008 in the society office in kodad. The meeting was chaired by Society Chairman Sri Neela Satyanarayana. He greeted the members with folded hands and extended warm welcome to the meeting.

AGENDA:-

1. Service rules for teaching and non-teaching staff.

RESOLUTION:-

In the wake of establishment of Engineering College for women named as KODADA INSTITUTE OF TECHNOLOGY AND SCIENCE FOR WOMEN in 2008 with motto of empowering rural women in technical education, There is need to frame service rules for teaching and non-teaching staff. In this context, members of society discussed thoroughly the service guidelines of state govt., and unanimously resolved to implement the service rules framed by society members.

S.NO	NAME	DESIGNATION	SIGNATURE
1	N.SATYANARAYANA	PRESIDENT	
2	N.ARUNA DEVI	VICE-PRESIDENT	
3	P.PRASAD	SECRETARY	
4	V.RAMARAJU	JOINT SECRETARY	
5	CH.KESHAVA RAO	TRESURER	
6	P.THIRUPATHAIAH	MEMBER	
7	V.SATYANARAYANA	MEMBER	

SERVICE RULES

SERVICE CONDUCT RULES

1.General:

(a).These rules shall be called "KITS Engineering College for Women, Kodad, Service and Conduct Rules" and comes into force from the month of july 2011. These rules supersede all the rules put into force, previously.

(b).These rules shall apply to all categories of employees (Teaching and Supporting Staff Members).

2.Definition:

(a).College means KITS Engineering College, Kodad

(b).Society means Kakatiya Educational Society, Kodad.

(c).Teaching Post means a post carrying a definite scale of pay / consolidated pay sanctioned without limit of time and included in the cadre of sanctioned posts.

(d).Supporting Staff Members means a person appointed in a Non-Teaching post to which no Other person holds a lien.

3..Appointing Authority:
All appointments of the faculty and Staff Members of the College shall be made by the Chairman, subject to the approval of the Management.

4.Appointment on Contract:

Appointment of faculty and other Staff Members can be made on contract basis by the Management subjected to the approval of the JNTU.

5.Mode of Selection:

Selection of the faculty member shall be made by a Selection Committee constituted and approved by the Management.

6.Termination of Service/Resignation:

(a).Based on the opinion of the appointing authority, the efficiency of an employee has been impaired due to any infirmity, his/her retention in service is considered undesirable, his/her services may be terminated, by such appointing authority.

(b).Any employee of the College may withdraw his/her engagement, by submitting to the appointing authority, one months notice in writing or payment of one month salary in lieu thereof, if agreed by the appointing authority, provided that the appointing authority may, for sufficient reasons, call upon the employee concerned to continue till the end of the academic session, in which the notice is received.

(c).The other terms and conditions of such employment shall be specified by the appointing authority in the letter of appointment.

7.Retirement:

(a).The age of retirement of teaching faculty member shall be as per AICTE Norms.

(b).The age of retirement of other non-teaching Staff Members shall be as per the State Government Rules or as may be decided by the Management/Trust.

8.Leave:

(a).No leave can be claimed as a matter of right by an employee. Discretion is reserved with the authority empowered to grant the leave, to refuse and / or to revoke grant of leave at any time according to exigencies of work, Leave can be availed only after getting it sanctioned.

(b).The competent authority to sanction any kind of leave including casual leave is the Head of the Institution / Chairman.

(c).An employee who desires to obtain leave of absence shall submit online leave application form through HRMS software to the competent authority. Such application for Leave shall be made well in advance prior to the commencement of leave except in exigencies or unforeseen circumstances including illness when it is not possible to do so. In such cases, the employee shall take steps to intimate his /her absence to the concerned authority before commencement of the leave. On return from the Leave, the employee shall submit the online leave application form within two working days. If the leave application is not submitted properly and in time, the leave will be rejected and for one day of unauthorized leave, one day salary will be deducted and necessary entries shall be made to record the same.

(d).If an employee proceeding on leave desires an extension of leave, then he/she shall fill an online application form to the concerned authority appointed for the purpose at least 2 days prior to the expiry of the earlier leave period.

(e).A written reply either of grant or refusal of extension shall be sent to the employee through HRMS software, if such reply is likely to reach

before the expiry of the leave originally granted to him/her.

(f).If the leave is refused or postponed, the reason for refusal or the postponement as the case may be, shall be mentioned in the reply.

(g).No leave or extension of leave shall be deemed to have granted unless an order to that effect is passed and communicated to the employee concerned.

(h).An employee shall, before proceeding on leave intimate to the competent authority his/her address while on leave, and shall keep the authority informed of any change in the address previously furnished.
(i).Leave of absence is inadmissible to an employee who has been suspended from duty or against whom disciplinary action is initiated or contemplated. An employee under suspension shall not leave the station where his/her office is situated except with specific permission of the Chairman or Head of the Institution.

(j).An employee may cancel whole or part of the leave applied and resume duty after the permission to do so is obtained from the competent authority.

(k).An employee who has submitted his/her resignation letter will not be permitted to avail any leave during the notice period except for the proportionate casual leave at his / her credit.

(l).No leave shall be granted beyond the date on which an employee is due to retirement on attaining the age of superannuation. All leave at credit shall lapse on attaining the age of superannuation.

(m).No employee of the Institution shall take service or accept any employment elsewhere while on duty or on leave.

(n).An employee shall promptly rejoin duty on expiry of the leave sanctioned. If the leave sanctioned is on Medical grounds, a Hospital certificate along with hospital charges paid bill shall be produced while rejoining duty on expiry of such leave.

(o).The Chairman and the Head of the Institution have the rights to recall and reduce the sanctioned leave period of any employee who is on leave of any kind, in case of any exigencies.

(p).If an employee is recalled on account of exigencies of work cancelling the unexpired portion of leave, the employee shall report for duty immediately.

(q).Overstay of leave shall entail the entire leave (sanctioned and

non- sanctioned) on loss of pay even though sufficient leave is at credit unless it is established to the satisfaction of the sanctioning authority that the employee was unable to rejoin duty for reasons beyond the control of the employee.

(r).All sick leave applications shall be supported by medical certificate along with hospital charges paid receipt from the hospital/ nursing home, acceptable to or nominated by the competent authority.

(s).All leave application shall be routed through the proper channel.

(t).Unauthorised absence from work for more than 07 days by the staff members, he / she shall not be permitted to report back to the work without the approval from the Management. The concerned department HOD is required to communicate the same to the Management through Head — Human Resources.

CASUAL LEAVE

- All permanent teaching, technical and non-teaching staff members are entitled to twelve days of Casual leave (C.L.) in a calendar year.
- In case of permanent staff members, they are eligible for 15 days of Casual leave with full pay in each calendar year. Eight days of CLs will be credited in advance on Jan 1st and remaining Seven CLs will be credited in advance on July 1st of each calendar year.
- Casual leave - shall be reckoned per calendar year i.e. from 1st Jan to 31st December. These cannot be carried forward to the next calendar year. The unavailed casual leave shall lapse on 31st December.
- All Probationers are entitled for casual leave at the rate of one day for every completed month. However one casual leave will be credited in advance on the 1st day of the month. The unused casual leave will lapse on 31st Dec.
- Part - time / visiting employees are not entitled for any kind of leave.
- The permanent employee can avail Casual leaves up to 3 days at a time.
- The competent authority can sanction up to 3 days of casual leave to staff member's .The casual leaves beyond 3 days shall be the approved by the Chairman in case of extreme emergency.
- C.L. shall not be availed without prior sanction of the sanctioning authority. The sanctioning authority may refuse to grant C.L., if he /she feel that the work cannot be managed due to functional reasons. In exceptional cases such as, an emergency caused due to sudden illness or death in the family, information shall be sent to the respective leave sanctioning authority in time enabling them to arrange a substitute.
- Casual Leave could be availed for half a day either for the morning

session or on the afternoon session on any working day. Casual leave availed on Saturday will be considered as one full casual leave.

- Casual leave can be either prefixed or suffixed to general holidays but not both. If the casual leave is both prefixed and suffixed to general holidays, then one side of the holiday is included as a casual leave. If a casual leave is not available, then the leave will be considered as leave without pay.
- Leave cannot be prefixed or suffixed to first & third Saturday. Such leave will be treated as two days of leave.
- Leave without pay shall not be granted in continuation of casual leave. Casual leave already granted if any, shall be cancelled and the leave without pay shall commence from the date on which the casual leave commenced.
- Prior permission has to be obtained from the competent authority before proceeding on casual leave. In no case, an employee will be allowed to proceed on casual leave on frivolous grounds.
- Staying away from duty without prior permission in the normal circumstances will be construed as absence without leave, resulting in loss of pay. Each day of "absence without leave" shall entitle to two days of pay deduction.
- No leave of any kind can be availed of without prior sanctions. Absence without prior permission will be treated as Loss of Pay (L.O.P). Such absence may subsequently be regularized as C.L. if the competent authorities are satisfied with the given circumstances. Repeated absence without prior permission will be viewed as an act of indiscipline and suitable action will be initiated. If the leave application is not submitted properly and in time, the leave will be rejected and for one day of unauthorized leave, one day salary will be cut and necessary entries shall be made to record the same.
- In the event that one does not have C.L. to his/her credit, the absence with prior permission will be treated as leave without pay.
- Staff members frequently applying for leave due to sickness will have
- to produce physical fitness certificates from a registered medical practitioner. 10 minutes grace period is allowed to report to duty as per rules. If it crosses beyond 10 minutes is considered as ½ CL or ½ LOP.

VACATION LEAVE

- Vacation leave will be decided by the Chairman / Head of the Institution from time to time
- Staff members are entitled to avail vacations during an academic year. These vacations will normally coincide with the student's vacation; however the exact dates of vacation for the staff members will be defined by the Head of the Institution. Staff on vacation can be called on duty by the Head of the Institution whenever the need arises.

Disciplinary action will be initiated against the staff failing to report on duty when called during vacation.

- Any staff resigning or planning to resign before the beginning of the semester/academic year cannot avail any vacation. If a staff resigns after availing any vacation, those days will be considered as loss of pay.
- Vacation leave must be utilized in the vacation period only.
- The payment of salary for the vacation period is subject to the conditions that the staff shall be present on duty on the last working day of commencement of vacation and the first working day on the reopening after vacation.
- Staff members who are placed under suspension or against whom
- disciplinary action is initiated or contemplated will not be eligible to avail any leave benefit. The vacation for Teaching, Technical and Non-Teaching staff is as under:
- The permanent Teaching staff can avail 14 days of vacation leave i.e. 2 vacation slots of 7 days each in odd to even semester & 14 days of vacation leave i.e. 2 vacation slots of 7 days each in even to odd semester.
- The probationary Teaching Staff can avail 7 days of vacation leave i.e 1 vacation slot of 7 days in odd to even semester & 7 days of vacation leave 1 vacation slot of 7 days in even to odd semester
- Permanent Non — Teaching /Technical Staff can avail 7 days of vacation leave i.e 1 vacation slot of 7 days in odd to even semester & 14 days of vacation leave i.e 2 vacation slot of 7 days in even to odd semester
- The probationary Non – Teaching / Technical staff can avail 3 days of vacation leave during the semester break.
- Permanent Administrative Staff (including Library Staff) can avail 7 days of vacation leave i.e 1 vacation slot of 7 days in odd to even semester and 7 days of vacation leave 1 vacation slot of 7 days in even to odd semester.
- The probationary staff can avail 7 days of vacation slot i.e 1 vacation slot of 7 days in odd to even semester & 7 days of vacation leave 1 vacation slot of 7 days in even to odd semester
- Vacation slots will be assigned as Sunday – Sunday Slots. Vacations cannot be taken in any other ways except the Sunday
- Sunday slots. CL may be clubbed with vacation leave with prior approval from the competent authorities. But such leave period should fall within semester break period only.
- If a general holidays is in a given vacation slot, the general holiday will be considered as Vacation day. In other words, no additional vacation day will be given for the general holiday.
- A faculty is to compulsorily do the assigned invigilation duties. Faculty cannot swap their invigilation duties. If a teacher is found not doing his / her assigned duties even on one day, he /she will forfeit all the vacation slots. If a vacation is taken, it will be considered as loss of

pay.

- culty can avail the vacation after academic duties have been fulfilled. Head of the Department to ensure that the teacher have fulfilled their academic duties including Internal Assessment & filling OMR sheets before allotting the vacation slot.

EARNED LEAVE

- Administrative officers including Principal, Director, Registrar, Deans are eligible for 21 days of Earned leave in a calendar year after completion of one year of continuous service in NHCE & NHC.
- HODs and Chief Librarian are eligible for 30 days of Earned leave in a calendar year after completion of one year of continuous service in NHCE & NHC. Earned leave must be utilized in that calendar year only. It will be decided by the Chairman or the Head of the Institution from time to time.
- In respect to those administrative officers who joined during the middle of the calendar year , earned leave shall be credited at the proportionate rate of 2 ½ days for HODs and Chief Librarian and for Principal, Director, Registrar, Deans 1 ½ days for each completed month of service.
- The credit for the half year in which an Administrative Officer is due to retire or resign from service shall be afforded at 2 ½ days for each month of service up to the date of retirement or resignation, subject to a maximum of 30 days in case of HODs and Chief librarian and 1 ½ days for Principal, Director, Registrar, Deans subject to maximum of 21 days. When an administrative officer is removed from the service or dies while in service, the credit of earned leave shall be allowed at 2 ½ days for each month of service up to the date of retirement or resignation,
- subject to a maximum of 30 days in case of HODs and Chief librarian and 1 ½ days for Principal, Director, Registrar, Deans subject to a maximum of 21 days. While affording credit of earned leave, fraction of day shall be rounded off to the nearest day.

MATERNITY LEAVE

- Teaching women employees may avail Maternity leave till the completion of the semester. She may report back at the commencement of the next semester with full pay of two months only.
- Non-teaching women employees may avail Maternity leave up to 90 days, both pre-natal and post –natal with full pay for two months only.
- Maternity leave is not admissible to a married woman having two or more living children. Maternity leave is admissible only twice in the entire service period of a woman employee including maternity leave sanctioned in case of miscarriage.
- Woman employees appointed on purely temporary basis or with less

than 2 years of service are not entitled for such leave.

- Maternity leave shall be granted on the condition that such employee shall serve or shall have served any of the institutions belonging to the New Horizon Educational Institution for a period not
- Less than two continuous years, failing which her leave shall be considered as "leave with loss of pay".
- Maternity Leave benefits will be given on returning to work. Woman employee returned back after maternity period, if resigns within one academic year, shall pay the benefits received during maternity period.

9.Vacation:

- Staff Members are permitted to avail Summer/Winter Vacation on the following conditions.
- (i)The eligible period of vacation for Teaching Staff Members is as follows.

(ii).Vacation period shall include Saturdays, Sundays and holidays(preceding, succeeding and in between).

TEACHING STAFF MEMBERS

Experience within the Institute	Summer Vacation	Winter Vacation
One year completed	04 weeks	01 week
Six months completed	02 weeks	NIL

NON-TEACHING STAFF MEMBERS

Experience within the Institute	Summer Vacation	Winter Vacation
One year completed	02 weeks	NIL
Six months completed	01 week	NIL

- Non-Teaching Staff Members are not eligible for winter vacation.
- The vacation shall start on any day of the week, but the last day of the vacation shall not fall on Fridays, Saturdays and Sundays and also

the first day shall not fall on a Monday.

- Staff Members must submit joining report to the Principal on the next day of completion of vacation.
- Staff Members shall be permitted to attend Central Valuation duty only during vacation period. The period of Examination duty spent during vacation will be treated as vacation and not as OD.
- If a Staff Member is "Absent" for duty, for more than 2 times, the vacation will be deducted from his/her account at a ratio of 1:2 (i.e., for 1 day absent, 2 vacation days to be deducted).

10. On Duty:

- (i).Teaching Staff Members shall be permitted to avail ON DUTY for a maximum period of 10 days for University Examination duty purpose and 5days for attending FDP/Workshop/Conference/Symposiums/Seminars etc. in an academic year. ON DUTY shall be availed only with prior approval of the Head of the Institution (Principal)

- (ii).Teaching Staff Members who are deputed for specific purpose on "Other Duty" should submit a detailed report to the Principal about the purpose for which they are deputed, on the next day without fail.

- (iii).The Staff Members who are proceeding on "Other Duty" with the approval of Principal should produce the "Attendance Certificate" immediately on the date of joining the duty after availing "OD".

11.Conduct and Discipline:

- The Management/Trust shall be at liberty to take necessary disciplinary action against any Staff Members for valid reasons. In such cases a formal enquiry shall be conducted and penalties like ceasing increments, ceasing promotions, dismissal from service etc. may be imposed, whenever and wherever required, based on the enquiry report.

12.Awards / Incentives for Staff Members and Students:

Certification:

- Students who secure 1st place in class (University Exam) will be awarded with Merit Certificates. Students having 100% attendance in each academic year will be awarded with Merit Certificates.

- Staff Members who continue rendering their services to the Institution for a consecutive period of 10 years and 15 years will be awarded with appreciation certificates.

Cash Prizes for Academic performance by the students:

Students obtaining University First Rank in any branch Rs. 75,000/-

Students securing any of the University Ranks from 2nd to 20th in any branch Rs. 20,000/-

For students securing any of the University Ranks from 21st to 50th in any branch Rs. 10,000/-

For students securing Highest Mark in any of the theory subjects in University Exam

Cash Prizes for Staff Members for result oriented Performances:

For subject Teachers of all Theory subjects of a class for producing 100% result in all subjects for the same class	Rs. 75,000/- (to be shared within those who handled the class)
For subject Teachers of Theory producing 100% pass in the subjects handled by them	Rs. 5,000/- per subject

Others:

a).Presenting paper in International Conference (held abroad) - Rs. 5,000/-.
b).Publishing papers in high indexed International Journals - Rs. 3000/-
c).Publishing books - Rs. 4000/-
d).Best Department in UG and PG.-Rs 5000/-
e).Best Management Review Meeting (MRM) Best outgoing student in UG and PG.
f).Best alumni

4.Amenities

(i).The Management shall encourage faculty members to upgrade their knowledge and in this context shall undertake to bear the cost of higher academic qualification or special training of faculty members after signing a necessary conditional bond to serve the institution for a certain period after benefitting from such academic qualification/training.

(ii).Free transportation shall be provided to all the faculty members to and from the Institution within the city limits (inclusive of the urban agglomeration).

5.Break of service can be availed for Less than one year, beyond which if it exceeds one year, the faculty member should reappear for Interview and join the duty.

6.Three Months in prior notice should be given to resign from the services.

7.The Faculty should not leave the Institute without any prior information and resigning amidst the semester is strictly not permitted.

8.Promotions and Increments are given to the eligible Staff Members after the successful completion of one year of service, as per the AICTE Norms.

9.Staff Members are permitted to pursue Higher Graduation, as part time programme, while serving the Institution.

10.By providing registration fees and other facilities, Staff Members are given full support to undergo their research work and submit proposals.

11.CPL is given to Staff Members for carrying out the assigned works during Holidays.

12.Contingency amount of Rs.4,000/- per year for each Staff Members to attend Workshops, Seminars, FDP, Conferences, etc, in other institution.

13.Management shall pay 50% fee for Patent registration.

14.Any kind of celebration within the campus has to be organized after seeking approval from the Management, in prior.

15.If found dissuading from anything listed in these Rules, the Management/Trust shall have the power and authority to decide and act upon any matter of concern that leads to chaos and arising difficulties.

10.1.3. Decentralization in working and grievance redressal mechanism(10)

ADMINISTRATIVESETUP*:* The administrative setup in KITSW is fully decentralized with number of committees working with the objectives:

- To Develop the College
- To promote Outcome based education To work for the Welfare of students

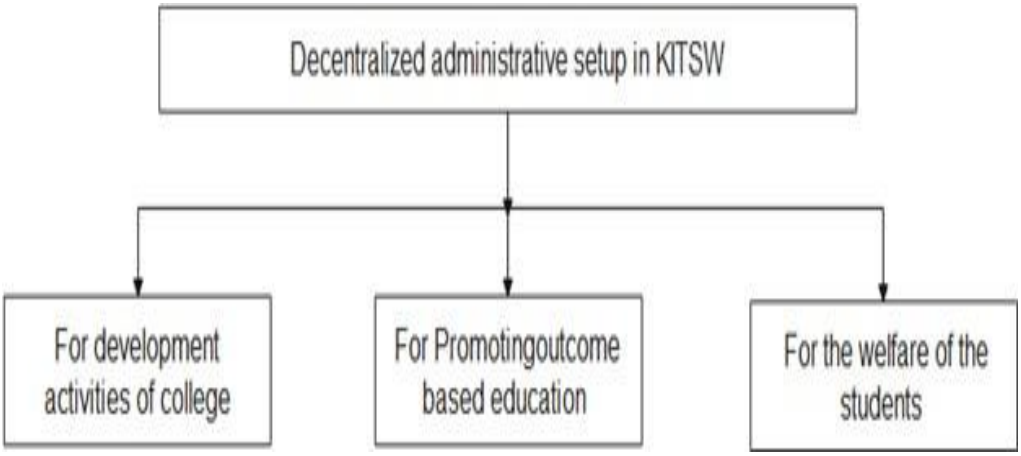


Fig: Decentralized administrative setup

A.COMMITTEES WORKING FOR THE DEVELOPMENT OFCOLLEGE

The following are the committees for the development activities.

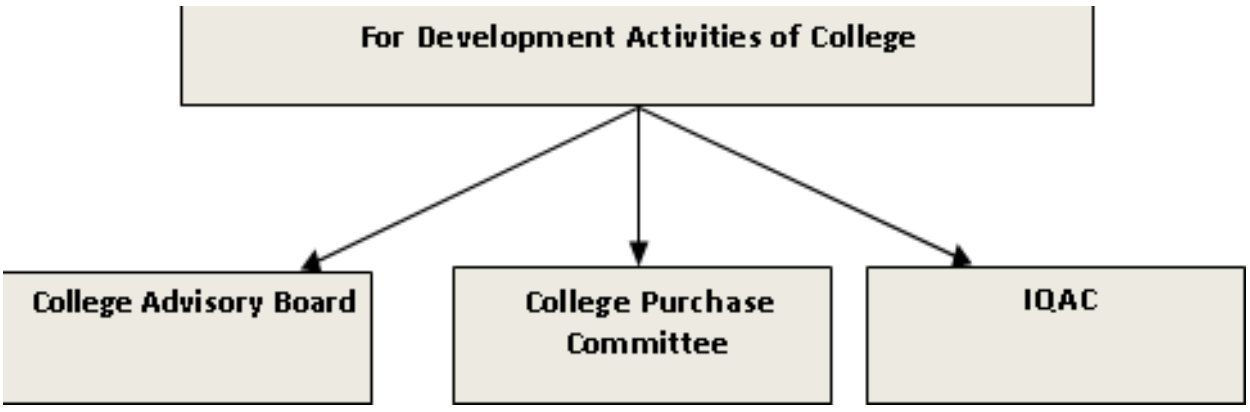


Fig: Decentralized Committees working for development of KITSW

College Advisory Board

The list of CAB members is presented below:

SNO	NAME OF THE COMMITTEE MEMBER	DESIGNATION
1	Dr. D. Vijay Kumar, Professor of Civil Engineering, Principal	Chairman
2	Dr. Ch. Nagarjuna Rao, Professor of H&S, Vice-Principal	Member
3	Dr. B.Naresh Reddy, Assoc. Professor & Head, ECE Dept.	Member
4	Dr. Md. Aijaz, Assoc. Professor & Head, EEE Dept.	Member
5	Dr. P.Sravanthi, Assoc.Professor & Head, CSE Dept.	Member
6	Mr. P.Janardhan, Asst.Professor & Head, Civil Dept.	Member
7	Mr. N.Ramesh, Asst.Professor & Head, H & S Dept.	Member
8	Mr. K.V.N.S.Pavan Kumar, Asst. Professor of EEE & Alumni Coordinator	Member
9	Mr. B.Praveen Kumar, Asst.Professor, CSE Dept.	Member
10	Mr. Y.Sampath Kumar, Asst.Professor, H & S ept.	Member
11	Mr. K.Ramu, Asst.Professor, ECE Dept. Member	Member

Functions and responsibilities of CAB:

The CAB is the ***supreme authority*** in the college. It consists of Principal, Vice-Principal, all HODs and Senior Professors of the college as members. TheCAB:

Resolvesalltheacademicrelatedissuesandmayrefertothenextlevelofcommitteeforin-depth study and for suggestions if required.

- Ensures the achievement of the mission and vision of the institution.
- Promotes future academic plans & research activities by providing a clear-cut direction for implementation, and overall monitoring of all activities. Supports the Head of the Institution in execution of its Programmes.
- Approves the budgetary allocation towards infrastructure, staffing pattern etc.

Frequency of meetings: Once in a semester. However, as and when the requirement exists, Principal invites members for a meeting with well-designed agenda items for discussions and suggestions

College Purchase Committee (CPC)

The CPC members reviews various indents submitted by the officers. The list of CPC members is presented below:

SNO	NAME OF THE COMMITTEE MEMBER	DESIGNATION
1	Dr. Ch. Nagarjuna Rao, Professor of H&S, Vice-Principal	Chairman
2	Dr. B.Naresh Reddy, Assoc. Professor & Head, ECE Dept.	Member
3	Dr. Md. Aijaz, Assoc. Professor & Head, EEE Dept.	Member
4	Dr. P.Sravanthi, Assoc.Professor & Head, CSE Dept.	Member
5	Mr. P.Janardhan, Asst.Professor & Head, Civil Dept.	Member
6	Mr. N.Ramesh, Asst.Professor & Head, H & S Dept.	Member
7	Mr. B.Praveen Kumar, Asst. Professor of CSE & CMO	Member
8	Mr. N.Mahesh Babu, Asst. Professor of EEE & EMO	Member
9	Mr. Y.Sampath Reddy, Asst. Professor of H&S & FMO	Member
10	Mr. K.Ramu, Asst. Professor of ECE & VMO	Member

Functions and Responsibilities of CPC:

- The CPC members review the requirements of the various departments.
- TheCPCmemberspreparespecificationsandapproximatecostoftheequipment
- CPC members decide the vendor from whom the items can be purchased.

In addition to the above CPC members the faculty who are discharging additional duties are invited for purchase committee meeting as special invitee depending upon the item for requirement.

Faculty discharging Additional Duties:

SNO	Name of the person discharging the additional duty	OFFICER DESIGNATION	Particulars of items for purchase and maintenance
1	Mr. B.Praveen Kumar, Asst. Professor of CSE	CMO(Computer maintanence officer)	
2	Mr. N.Mahesh Babu, Asst. Professor of EEE	EMO(Electrical maintenance officer	

3	Mr. Y.Sampath Reddy, Asst. Professor of H&S	FMO(Furniture maintenance officer)	
4	Mr. K.Ramu, Asst. Professor of ECE	VMO(VEHICLE maintenance officer)	

B. COMMITTEES WORKING FOR PROMOTING OUTCOME BASEDEDUCATION:

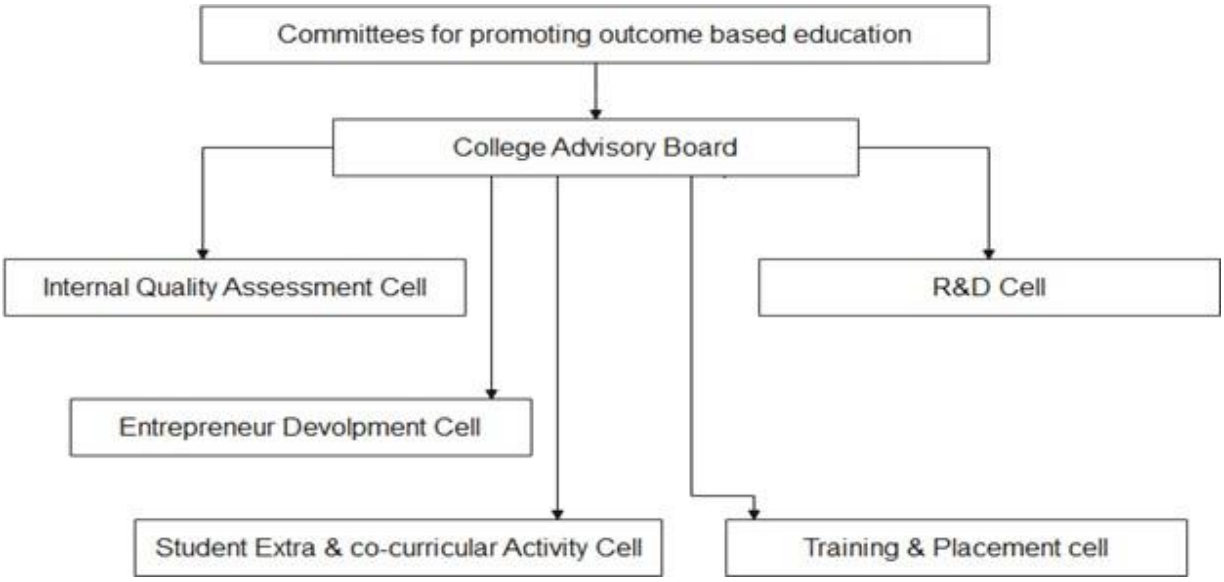


Fig: Decentralized Committees for promoting outcome based education

INTERNAL QUALITY ASSESSMENT COMMITTEE (IQAC)

Functions and responsibilities of IQAC

- It is responsible for evaluating rubrics designed by the departments.
- It ensures the achievement of the mission and vision of the institution.
- It suggests the pattern of setting question papers.
- It is responsible for verifying the evaluation of the student internal examination 2% answer scripts.

The list of IQAC members is presented below:

SNO	NAME OF THE COMMITTEE MEMBER	DESIGNATION
1	Dr. D. Vijay Kumar, Professor of Civil Engineering, Principal	Chairman
2	Dr. Ch. Nagarjuna Rao, Professor of H&S, Vice-Principal	Member
3	Dr. B.Naresh Reddy, Assoc. Professor & Head, ECE Dept.	Member
4	Dr. Md. Aijaz, Assoc. Professor & Head, EEE Dept.	Member
5	Dr. P.Sravanthi, Assoc.Professor & Head, CSE Dept.	Member
6	Mr. N.Ramesh, Asst.Professor & Head, H & S Dept.	Member
7	Mr.P.Janardhan, Asst.Professor & Head, Civil Dept.	Member
8	Mr. B.Shivaji, Asst. Professor of EEE	Member
9	Mr. I.Surya shekar, Asst.Professor, CSE Dept.	Member
10	Mr. M.Niranjan Reddy, Asst.Professor, H & S Dept.	Member
11	Mr. G.Naidu Babu,Asst.Professor, ECE Dept.	Member
12	Mr. R.Laxman,Asst.Professor, CIVIL Dept.	Member

R & D Cell

Functions and responsibilities of R & D Cell

1.The R&D member will encourage the faculty members

2.It will also examine and commend for the research incentives with monitory benefits in the college

SNO	NAME OF THE COMMITTEE MEMBER	DESIGNATION
1	Dr. D. Vijay Kumar, Professor of	Chairman

	Civil Engineering, Principal	
2	Dr. Ch. Nagarjuna Rao, Professor of H&S, Vice-Principal	Member
3	Dr. B.Naresh Reddy, Assoc. Professor & Head, ECE Dept.	Member
4	Dr. Md. Aijaz, Assoc. Professor & Head, EEE Dept.	Member
5	Dr. P.Sravanthi, Assoc.Professor & Head, CSE Dept.	Member
6	Mr. N.Ramesh, Asst.Professor & Head, H & S Dept.	Member
7	Mr. P.Janardhan, Asst.Professor & Head, Civil Dept.	Member

Entrepreneur Development Cell (EDC)

Functions and responsibilities of Entrepreneur Development Cell

The institution has EDC which encourages and provides platform to students to exhibit their technical skills.

SNO	NAME OF THE COMMITTEE MEMBER	DESIGNATION
1	Mr.NareshReddy	Convener
2	Mrs.M.Vijetha	Member(CSE)
3	Mr.K.V.N Pavankumar	Member(EEE)
4	Mr.K.Ramu	Member(ECE)

NPTEL SPOC center

Functions and responsibilities of NPTEL SPOC Centre

KITSW encourages the students to submit assignments of NPTEL Courses. The NPTEL SPOC Centre is working under guidance of Mrs.D.Kiranmayee

Training & Placement Cell

All the Training and placement activities of students are organized under the esteemed leader ship of Mr. K.Vamshi Krishna

Student Extra & Co-curricular Activity Cell

SNO	NAME OF THE STAFF	ACTIVITY
1	Mr.B.srinu	Sports
2	Ms.A.Nandini sree	Cultural

C. Committees working for the welfare of the students

The following are the committees for the welfare of the students.

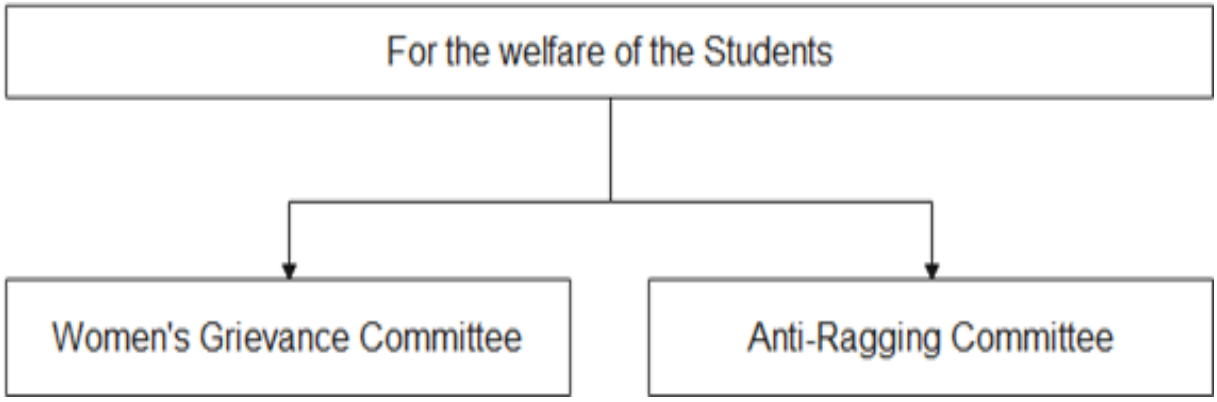


Fig: Committees working for the welfare of students

Women's Grievance Committee

For any issues related to students the Women's Grievance Committee is constituted with the following members:

SNO	NAME OF THE COMMITTEE MEMBER	DESIGNATION	MOBILE NO.
1	Dr.N.Lakshmi Priya, Assoc. Professor	Convenor	9666888293
2	Mrs. D. Chaintanya Kamala Kumari, Asst. Professor	Member	9490571699
3	Mr. K.Naineetha, Asst. Professor	Member	9542386806
4	Mrs. S.Bhuvaneswari, Asst. Professor	Member	8801319848
5	Mrs. N.Sandhya, Asst. Professor	Member	7981094285
6	Ms. U.Raja Sree, Asst. Professor	Member	6302494185

Note: A complaint box is kept in Block-A

Anti-Raging Committee

Anti-ragging committee Responsibilities :

All the anti ragging committee members are requested to take appropriate measures & actions for preventing ragging.

- a).If a student is identified involved in ragging, then the committee members should bring the matter to the notice of the Principal immediately. In case of emergency, the committee may take appropriate action in the spot to control ragging and then inform the same to the principal immediately.

- b).The committee members need to allocate the time to go rounds in the campus at regular intervals during the working hours including lunch hours.

c).Thecommitteehastoeducatetheseniorbatchstudentsabouttheanti-raggingact,rulesandthebad consequences of indulging such in-humanacts.

- d).The committee has to form the sub-committees comprising the student volunteer teams.

e).The anti ragging committee members have to communicate & coordinate with other committees like grievances & redressal committee, SC/ST cell, hostel committee etc. for prevention and avoid ragging activities.

- f).The committee has to take appropriate measures to avoid ragging activities in outside of the campus like bus-stops and provide necessary instructions to the appointed student volunteers.

g).The committee has to ensure that all the students are signed on anti-ragging under-taking form.

- h).The duties of anti-ragging committee members shall begin from 01-08-2019 from10-00AM onwards until further orders.

The above committee members are requested to discharge the assigned anti-ragging duties sincerely to make the campus as a "Ragging Free Campus" as similar to the earlier years.

SNO	NAME OF THE COMMITTEE MEMBER	DESIGNATION	MOBILE NO.
1	Dr.K.Venkataramana, Assoc. Professor	Convenor	8801321617
2	Mr. B.Praveen Kumar, Asst. Professor	Member	9505188288
3	Mr. I.Surya Shekhar, Asst. Professor	Member	9652005952
4	Mr. J.Naveen, Asst. Professor	Member	7207131773
5	Mr. G.Sudheer, Asst. Professor	Member	9542927738
6	Mrs. A.Lakshmi Teja, Asst. Professor	Member	7013703041
7	Mr. K.Vamshi Madhukar, Asst. Professor	Member	8328287269

10.1.4. Delegation of financial powers(10)

DELEGATION OF FINANCIALPOWERS

Institution should explicitly mention financial powers delegated to the Principal, Heads of Departments and relevant in-charges. Demonstrate the utilization of financial powers for each year of the assessment years The Principal is given the financial authority to sanction all procurements/civil/ maintenance works in the campus. The proposals towards annual budgetary allocation of the Departments are submitted through the Head of the Department. The Head of Department submits proposals towards Annual budgetary allocation which is duly considered by the approving authorities. The delegation of financial powers at various sections is as follows

sNO	Designation	Delegation of Financial Power
1	Principal	Principal is supreme authority of the institution to approve all the accounts related to the Departments and administration.
2	Head of Department	Seed Amount is allocated to each departmental Head to carry out the miscellaneous expenses in the department. All the expenses incurred on the various activities like FDP, workshop and seminars conducted in the department are to be forwarded by the HOD"s to the Principal for approval. The expenses on purchases and servicing of the lab equipment are to be

		approved by the HOD"s and forwarded to the Principal.
3	Administrative Officer	All the finances regarding the salaries of the employees are accounted and forwarded to the principal. All accounts regarding infrastructure are also handled by Admin Officer.The Collection of student fee is taken care by the admin office.

S.NO	DESIGNATION	LIMIT
1	Principal	25,000/-
2	HOD	10,000/-

10.1.5. Transparency and availability of correct / unambiguous information in public domain(5)

DISSEMINATION OF INFORMATION TO STAKEHOLDERS AND TO PUBLIC

The following figure illustrates the modes of dissemination of information amongst public and to the stakeholders.

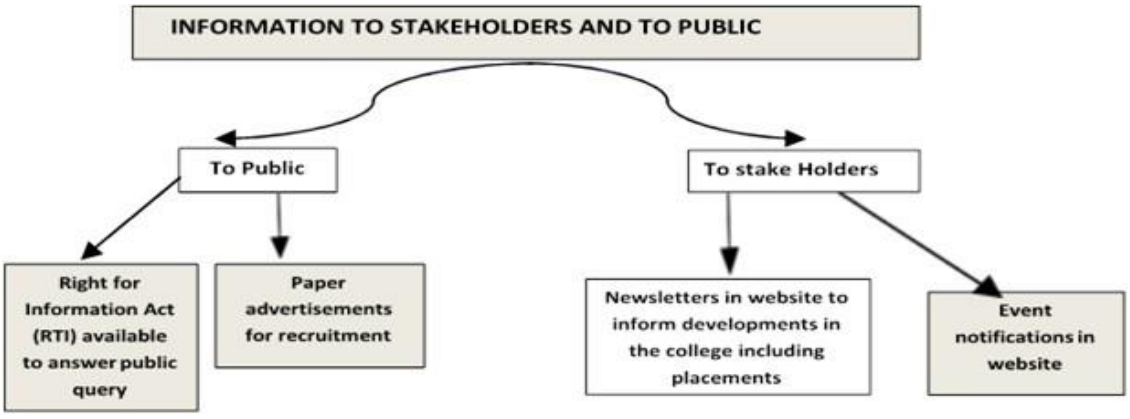


Fig: Transparency and availability of correct/unambiguous information in public Domain

To Public Domain

RTI:The institution has RTI cell with principal being acting as the

Pubic Relation officer.

Advertisements in print media:

KITSW gives Advertisements in the leading newspapers for recruiting staff.

Regarding developments of college:

The developments in the college shall be disseminated to stake holders by releasing newsletters which are uploaded in to the website.

Regarding alumni meetings:

Every alumnus of the institution is informed about alumni meetings through website and whatsapp groups.

Regarding Event Notifications:

The information regarding the events taking place in the institution is disseminated to stake holders through website.

10.2. Budget Allocation, Utilization, and Public Accounting at Institute level(30)

Total Income at Institute level: For CFY, CFYm1, CFYm2 & CFYm3
CFY: Current Financial Year, CFYm1 (Current Financial Year minus 1),
CFYm2 (Current Financial Year minus 2) and
CFYm3 (Current Financial Year minus 3)

For CFY(2020-21)

Total Income:				Actual expenditure (till …):			Total No. of students:1642
Fee	Govt.	Grant(s)	Other Sources (specify)	Recurring including Salaries	Nonrecurring	Special Projects/Any other, specify	Expenditure per student
120802131	0	0	1127068	113,440,269	12,116,199	0	76466

Table B.10.2a

2019-20

Total Income: 113232835				Actual expenditure (till …):129891243			Total No. of students:1556
Fee	Govt.	Grant(s)	Other Sources (specify)	Recurring including Salaries	Nonrecurring	Special Projects/Any other, specify	Expenditure per student
110916731	0	0	2316104	117356738	12534505	0	83477.66

Table B.10.2a.1

2018-19

Total Income: 95831970				Actual expenditure (till …):24428519			Total No. of students:1501
Fee	Govt.	Grant(s)	Other Sources (specify)	Recurring including Salaries	Nonrecurring	Special Projects/Any other, specify	Expenditure per student
93772650	0	0	2059320	112607810	11820709	0	82897.08

Table B.10.2a.2

2017-18

Total Income: 56662973				Actual expenditure (till …):74338381			Total No. of students:1131
Fee	Govt.	Grant(s)	Other Sources (specify)	Recurring including Salaries	Nonrecurring	Special Projects/Any other, specify	Expenditure per studen
55634400	0	0	1028573	67647927	6690454	0	65728.01

Table B.10.2a.3

2016-17

Total Income: 56257710				Actual expenditure (till …):70410706			Total No. of students:1119
Fee	Govt.	Grant(s)	Other Sources (specify)	Recurring including Salaries	Nonrecurring	Special Projects/Any other, specify	Expenditure per studen
55186517	0	0	1071193	62827473	7583233	0	62922.88

Table B.10.2a.4

Items	*Budgeted in 2020-21*	*Actual Expenses in 2020-21 till*	*Budgeted in 2019-20*	*Actual Expenses in 2019-20 till*	*Budgeted in 2018-19*	*Actual Expenses in 2018-19 till*	*Budgeted in 2017-18*	*Actual Expenses in 2017-18 till*	*Budgeted in 2016-17*	*Actual Expenses in 2016-17 till*
Infrastructure Built-Up	10000000	8598892.22	9500000	8094500.90	10000000	8517788	1600000	1559404	1000000	884963
Library	750000	490165	650000	601419	500000	443410	400000	351611	600000	587195
Laboratory equipment	3000000	2301450.47	2000000	1759955	1750000	1597307	4000000	3678757	1500000	1339616
Laboratory consumables	2000000	1145860	1850000	1825812	1675000	1625812	450000	337851	300000	288070
Teaching and non-teaching staff salary	78000000	76666571	74000000	73098678	71500000	70816141	52000000	46980480	48000000	44960480
Maintenance and spares	2000000	1953510	1800000	1718949	1650000	1597471	500000	339999	350000	323350
R&D	1500000	934560	1200000	1161231	1000000	929962	300000	204302	100000	89430
Training and Travel	3000000	2541441	2750000	2692455	2550000	2431588	300000	236413	150000	139688
Miscellaneous expenses *	450000	232792.65	425000	324692.32	400000	311145	1000000	850790	650000	605600
Others, specify	36200000	30691225.65	40000000	38613550.72	37000000	36157896	20000000	19798774	23000000	21192314
Total	136,900,000	125,556,468	**134175000**	**129891242.94**	**128025000**	**124428520**	**80550000**	**74338381**	**75650000**	**70410706**

Table B.10.2b

10.2.1. Adequacy of budget allocation(10)

Much a head of the beginning of the Financial year the Heads of the departments submit the budget Proposals relating to their department to the Principal. The proposals cover both recurring and non recurring expenditure keeping in view the academic requirements. Principal coordinates and submit the proposals to the Governing Body for its approval. The approved budget proposals are communicated to the HODs for strict compliance. This college is having sufficient operational and development budget sanctioned by the Governing Body every financial year.

Never a department suffered from any inadequacy of funds for their expenditures. If the funds are required for further expenses beyond the budget allocation the Management is always ready to provide the amount either from the funds of the society or through bank loans.

The College allocates Budget adequately every year for various requirements as follows:

1).Infrastructure facilities Library
2).Laboratory equipment Laboratory consumables
3).Salary of Teaching and Non Teaching Staff Maintenance and Spares
4).R&D
5).Training and Travel
6).Other Miscellaneous Expenses…etc

10.2.2. Utilization of allocated funds(15)

Periodical careful monitoring is being done by the Principal about the utilization of the Budget sanctioned on various heads. Quarterly review by Governing Body also makes the HODs to utilize the funds allotted to their departments. The cursory glance of the audited statements of the college clearly indicates that the funds are being spent as per the sanction. There was no last minute rush to spend the amount sanctioned .

The Budget so allotted by the Governing Body is utilized diligently by the concerned departments. The Purchase Orders from the Various Suppliers are called for and the Selection of the Supplier is done on the basis of

1).Quality
2).Reliability of services Terms and conditions Delivery time
3).Cost etc.

The Budget is sanctioned by the Principal and amount is paid to the Suppliers upon the verification of the Stock and Working Condition (as approved by the In charge / HOD) In case of Travelling or Sanction of Funds for participating in Seminars Workshops the fund will be granted on the basis of Request of the faculty duly approved by the HOD. At the end of every year the In charges/ HODs need to submit a report of Budget Sanctioned and Funds Utilized with Variance Analysis of the same.

The following is the detailed information on the utility of budget for the various assessment years

Academic year	2020-21	2019-20	2018-19	2017-18	2016-17
Utilization of budget (%)	91.7	96.8	97.2	92.3	93.1

10.2.3. Availability of the audited statements on the institute's website(5)

The institution needs to make audited statements available on its website)

Yes. The Audited Statements of past Four (04) years are available on College website Audited statement for the year 2019-20 is available on College website

Audited statement for the year 2020-21 is available on College website
Audited statement for the year 2018-19 is available on College website
Audited statement for the year 2017-18 is available on College website
Audited statement for the year 2016-17 is available on College website
College website www.kitskodad.in (http://www.kitskodad.in/)

10.3. Program Specific Budget Allocation, Utilization(30)

Total Budget at program level: For CFY, CFYm1, CFYm2 & CFYm3
CFY: Current Financial Year,
CFYm1 (Current Financial Year minus 1),
CFYm2 (Current Financial Year minus 2) and
CFYm3 (Current Financial Year minus 3).

For CFY(2020-21)

Total Budget:		Actual expenditure (till …):		Total No. of students:240
Nonrecurring	Recurring	Nonrecurring	Recurring	Expenditure per student
258,253	2,969,914	156,472	2,078,843	9,314

Table B.10.3a

CFYM1 2019-20

Total Budget: 3005716		Actual expenditure (till …): 2376809		Total No. of students: 240
Nonrecurring	Recurring	Nonrecurring	Recurring	Expenditure per student
225429	2780287	166377	2210432	9903.37

Table B.10.3a.1

CFYM2 2018-19

Total Budget: 2717002		Actual expenditure (till …): 2106673		Total No. of students:240
Nonrecurring	Recurring	Nonrecurring	Recurring	Expenditure per student
217360	2499642	221201	1885472	8777.80

Table B.10.3a.2

CFYM3 2017-18

Total Budget: 1709466.69		Actual expenditure (till …): 1414618		Total No. of students:225
Nonrecurring	Recurring	Nonrecurring	Recurring	Expenditure per student
170946.69	1538520	148535	1266083	6287.19

Table B.10.3a.3

2016-17

Total Budget: 1070318		Actual expenditure (till …): 795292		Total No. of students:195
Nonrecurring	Recurring	Nonrecurring	Recurring	Expenditure per student
109708	960610	89470	705822	4078.42

Table B.10.3a.4

Items	*Budgeted in 2020-21*	*Actual Expenses in 2020-21 till*	*Budgeted in 2019-20*	*Actual Expenses in 2019-20 till*	*Budgeted in 2018-19*	*Actual Expenses in 2018-19 till*	*Budgeted in 2017-18*	*Actual Expenses in 2017-18 till*	*Budgeted in 2016-17*	*Actual Expenses in 2016-17 till*
Laboratory equipment	694,056	541,805	632782	413491	694345	375563	940207	867703	356773	315460
Software	306,676	85,860	237293	143956	150945	105627	142456	84141	178386	137806
Laboratory consumables	564,929	269,422	553684	431869	452834	384365	94970	78882	133790	68073
Maintenance and spares	532,648	461,866	474587	404303	437739	375563	75976	80635	124870	76375
R&D	371,239	222,051	316391	272598	301889	220056	113964	47329	53516	21584
Training and Travel	661,774	598,058	632782	634020	603778	572146	123461	56094	44597	33206
Miscellaneous expenses *	96,845	56,253	158196	76572	75472	73352	218432	199835	178386	142787
Total	**3,228,168**	**2,235,315**	**3005715**	**2376809**	**2717002**	**2106672**	**1709466**	**1414619**	**1070318**	**795291**

Table B.10.3b

10.3.1 Adequacy of budget allocation(10)

The department committee, will much a head of the commencement of the financial year submits the department budget under the Heads specified taking in to consideration of all factors. The budget proposed was discussed, approved with or without modifications by the College Governing Body usually the department never feels any in adequacy in the supply of funds were allotted by the Governing Body.

1).The Program allocates sufficient budget for every academic year for both recurring and nonrecurring expenses.

2).The budget takes into consideration all the aspects such as laboratories, department library,

3).Purchase of new devices and equipment for all the JNTUH affiliated labs.

4).The budget is also allocated for the overall development of students and faculty members which includes the membership of students towards Professional body memberships such as ISTE, IETE, etc.

5).Laboratory equipment, Software are regularly updated and well maintained to meet the curriculum requirements. Center for Excellence is helping students to excel and this lab is regularly updated according to students' needs.

6).R&D is given equal priority and regular budget allocation will be given for research and development of both faculty and students.

7).Training and travel is another important area .Training includes, conducting FDPs (Faculty Development Programs), Workshops, Conferences and Guest lectures.

8).Travel includes industrial visits and attending the above mentioned programs in other institutions. The Institute gives highest priority for the training programs. Proper budget allocation will be given for training and travel.

9).Miscellaneous covers Departmental Technical Symposiums, Cultural events, food arrangements for guests, ambiance and others…etc

10.3.2. Utilization of allocated funds(20)

(Program needs to state how the budget was utilized during the last three assessment years)

The following is the detailed information on the utility of budget pertaining to the Department for various assessment years

Academic year	2020-21	2019-20	2018-19	2017-18	2016-17
Utilization of budget (%)	69	79	78	83	74

10.4. Library and Internet(20)

10.4.1. Quality of learning resources (hard/soft)(10)

KITSW has a spacious and well furnished Library. The details of library area and other details are presented below:

A).LIBRARY AREA PARTICULARS.

Library Area Particulars		
Total Seating capacity:120		
SNO	**particulars**	**Area sq.mts**
1	Total area of the library	566 sq.mts
2	Layout of the library for individual reading carrels	288 sq.mts
3	Layout of the library for lounge area for browsing and relaxed reading:	233 sq.mts
4	Layout of the library for IT zone for accessing e-resources Digital LIBRARY	47 sq.mts

Library racks accommodates 18557 Volumes of books

B.Facilities available in the College Library:

The following facilities are available in the library:

Facilities in the College Library		
SNO	**Facility**	**Description**
1	Total Seating Capacity	120
2	Digital LIBRARY	15 Computers
3	Internet details	20 Mbps
4	No. of working days per week	6
5	Library Timings	8 AM to 8 PM
6	Printing & Copying	Printers and Xerox Machine available
7	Drinking Water faculty	Available
8	Library Automation	Yes

9	Availability of manuscripts of project works	Yes
10	Availability of Old hard copies of Question papers	Yes
11	Availability of Dictionaries, Encyclopedia, Atlases	Yes
12	Availability of competitive exam books such as GATE, IES, GRE, TOFFEL etc.,	Yes
13	Availability of e-bboks& e-journals	Yes
14	Availability of Digital Library	Yes
15	Total No. of Reading Tables	14
16	Total No. Glass door almarahs for reference books	10
17	Total No. of periodical display racks	2
18	Availability of UPS	Yes
19	Availability of Generator power supply	Yes
20	Availability of Surveillance and security systems (CC Cameras)	Yes
21	Availability of WiFi connectivity	Yes

C).Details of books available in the Library

Particulars of Text and Competitive books		
SNO	**Particulars**	**Qty.**
1	Total No. of Titles	2281
2	Total No. of Volumes	18557
3	Total No. of competitive Books	100
4	Total no. of books available under SC Book Bank scheme	509

5	Total No. of reference books	2150

D).Utilization of Library

The college library faculties are well utilized by students and staff. Details are given below:

Average number of walk-ins	90per day
Average number of books issued/returned	30 per day
Ratio of library books to students enrolled	1 Book : 10 Students
Average number of login to opac (OPAC)	20 per day
Average number of login to e-resources	10 per day
Average number of e-resources downloaded/printed	10 per day

E) Library Staff

LIBRARY STAFF			
SNO	**Name of the Staff**	**Qualification**	**Designation**
1	N.Narsireddy	BA.MLISc	Librarian
2	G.Nagalaxmi	BA.MLISc	Asst. Librarian
3	Kranthi	Intermediate	Library Asst.

4	Pushpa	SSC	Attender
5	Venkanna	SSC	Attender

F).Details of Library Automation

The software of Library Automation (KOHA) is to suit the needs of the Students. Through this system the user can search about a book and its position/condition. At this library all the books are labeled with barcode which helps in faster identification of the document.

The application generally consist of the following features such as

1.Use of Barcode Technology for issue and return of books introduced
2.Entry of New Books
3.Maintenance of Journals & Magazines
4.OPAC enquiries for users
5.Stock Details

G).Details of books purchased:

Table-1: Library Purchases during the financial year 2020-21		
Item	Budgeted in CFY	Actual Expenses in CFY (till Feb. 2020)
Books	498,750	348560
Journals & Magazines	69,375	35670
News papers		23465
Miscellaneous-E-Journals		82470
Total	750,000	490165
Total No. of new titles added		25
Total no. of new editions added		10
Total no. of volumes added		350

Table-2: Library Purchases during the financial year 2019-20 (CFY)		
Item	Budgeted in CFY	Actual Expenses in CFY (till Feb. 2019)
Books	Rs.399944.00	Rs.3965201.00

Journals & Magazines	Rs.55631.00	Rs.54892
News papers	Rs.33078.00	Rs.32895.00
Miscellaneous-E-Journals	Rs.112766.00	Rs.110525.00
Total	Rs.**601419**.00	Rs.**594833**.00
Total No. of new titles added		66
Total no. of new editions added		10
Total no. of volumes added		844

Table-3: Library Purchases during the financial year 2018-19 (CFYM1)		
Item	**Budgeted in CFY**	**Actual Expenses in CFY (till Feb. 2019)**
Books	Rs.294868.00	Rs.293200.00
Journals & Magazines	Rs.41015.00	Rs.40123.00
News papers	Rs.24388.00	Rs.23120.00
Miscellaneous-E-Journals	Rs.83139.00	Rs.82123.00
Total	Rs.**443410**.00	Rs.**438566**.00
Total No. of new titles added		51
Total no. of new editions added		15
Total no. of volumes added		621

Table-4: Library Purchases during the financial year 2017-18 (CFYM2)			
Item	**Budgeted in CFYm1**	**Actual Expenses inCFYm1**	
Books	Rs.233646.00	Rs.231421.00	
Journals & Magazines	Rs.32524.00	Rs.29495.00	
News papers	Rs.19339.00	Rs.16820.00	
Miscellaneous Expenses	Rs.66103.00	Rs.64205.00	
Total	**Rs.351611**.00	**Rs.341941**.00	
Total No. of new titles added		**42**	
Total no. of new editions added		**10**	
Total no. of volumes added		**1093**	

Quality of learning resources

The institution has a well-stocked Central Library and a separate library for each department is equipped with a Departmental library. These libraries are facilitated with books, magazines, journals, e-learning materials, CDs/DVDs, Project Reports etc. to augment the teaching-learning process.

The Central Library functions from 8.00 a.m. to 8.00 p.m. on all working days. The Digital Library services provide access to e-resources through the college Internet.

The following other facilities available in the Central Library:

- 1).Reference books.
- 2).Project reports. Online question bank. Journals.
- 3).magazines like competition success… etc Competitive books.
- 4).News paper.
- 5).Wi- Fi connectivity

A).Details of e-books available in the Library

E-BOOKS		
CSE DEPARTMENT		
SNO	**UG&PG E-BOOKS**	**Tittles**
1	B-Tech	250
2	M-TECH	150
CIVIL DEPARTMENT		
SNO	**UG&PG E-BOOKS**	**Tittles**
1	B-Tech	280
EEE DEPARTMENT		
SNO	**UG&PG E-BOOKS**	**Tittles**
1	B-Tech	260
2	M-TECH	150
ECE DEPARTMENT		
SNO	**UG&PG E-BOOKS**	**Tittles**
1	B-Tech	360
2	M-TECH	100

B).Details of Journals & e-journals available in the Library

SNO	Name of the Journal	ISSN
1	Indian Journal of Power Engineering & Green Technology	4845-2116
2	Indian Journal of Power Electronics and Technology	4421-1388
3	Indian Journal of Power Engineering	4421-1387
4	Indian Journal of Power Engineering Technology	4421-1089
5	Indian Journal of Power System & Power Electronics	4421-1410
6	Indian Journal on Power System Optimization	4421-1386
7	Indian Journal of Advances in Civil Engineering	4421-1489
8	Indian Journal of Civil Engineering (IJCE	4421-1316
9	Indian Journal of Civil Engineering and Construction Technology	4421-1408
10	Indian Journal of Civil Engineering Research and	4821-

	Technology	1139
11	Indian Journal of Geo techniques and Environment	4421-1441
12	Indian Journal of Materials and Structural Systems	4421-1494
13	Indian Journal of Sustainable Civil Engineering (IJSCE	4421-1380
14	Indian Journal of Environmental Sciences	4421-1442
15	Indian Journal of Water Resources & Environmental Management	4421-1395
16	Indian Journal of Pure & Applied Chemistry	4421-1312
17	Indian Journal of Applied Mathematical Analysis and Applications	4421-1318
18	Indian Journal of Physics (IJPG	4845-2153
19	Indian J. of Advance Software Engineering and Technology	4821-1009
20	Indian J. of Advances in Multimedia	4821-1007
21	Indian J. of Advanced Software Engineering	4821-1003
22	Indian J. of Internet and Computer Research	4421-1019
23	Indian J. of Embedded Systems	4421-1015
24	Indian J. Electronic and Electrical Engineering Research	4421-1054
25	Indian J. Advances in Wireless and Mobile Communications	4421-1521
26	Indian J. of Advances in Electronic and Electric Engineering	4421-1086
27	Indian J. of Advances in Electronics and Electric Engineering	4421-1086
28	Indian J. of Control Science and Engineering	4821-1012
29	Indian J. of Electronic and Communication Research	4421-1042
30	Indian J. of Electronic Networks, Devices and Fields	4821-1128
31	Indian J. of Electronics , Communication Engineering and Technology	4421-1025
32	Indian J. of VLSI Design	4421-1093

33	Indian J. of Wireless Communication and Simulation	4421-1110
34	Indian J. of Microwave Science and Technology	4421-1118
35	Indian J. of Electronics Systems and Control	4421-1075
36	Indian J. of Advances in Power Electronics	4421-1109
37	Indian J. of Electrical Engineering	4421-1113
38	Indian J. of Electrical Engineering and Research	4421-1123
39	Indian J. of Power and Energy Systems Engineering	4821-1102
40	Indian J. of Power Engineering Technology	4421-1089
41	Journal of Energy Storage and Conversion	0975-2951
42	Indian J. of Power Engineering and Green Technology	4845-2116
43	International Journal on Power Generation	4545-1114
44	International Journal of Electric Power	4421-1128
45	International Journal of Power Engineering & Energy conversion	4545-1048
46	International Journal of Power Electronics and Technology	4421-1336
47	International Journal of Electrical power and Energy Research	4545-1040
48	International J. Electric Power Systems Research	4821-1126

E-Journals subscription for the year -2019-20

E-resources	**Full –text journal**	**Web address**
J-Gate-plus	6500-indexed 3950 full text	http://jgateplus.com (http://jgateplus.com/)
Delnet	1400 full text access journals	www.Delnet.nic.in
Doaj	1590 open access journals	http:doaj.org

E-BOOKS

DELNET	3000	http://delnet.nic.in (http://delnet.nic.in/)	
E-books Directory	10849	www.ebooksdirectory.com	
Registered IP Rannge for accessing			
10.0.0.254.:8000		10.0.0.254.:8001	
164.100.247.26		164.100.247.26	

C).Details of Magazines available in the Library

Printed Magazines	
SNO	**Name of the Magazine**
1	India Today
2	Electrical India
3	Linux for you
4	Voice Date
5	Electronics for You
6	Competition Success Review
7	Digit
8	PC Quest

D).Details of News Papers available in the Library

SNO	**Name of the Newspaper**
1	The Hindu
2	Deccan Chronicle
3	Eenadu
4	Sakshi
5	Varrtha
6	Andra jyothi
7	Andra prabha
8	Namaste Telangana
9	Nava Telangana
10	Mana Telangana

E).Details of Scholarly Journals available in the Library

Details		2020-21	2019-20	2018-19	2017-18
Engineering and Technology	As soft copy	5160	7166	7166	7166

10.4.2. Internet(10)

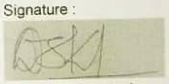
Name of the Internet provider	EXCELL BROADBAND,BSNL
Available band width	194 MBPS
WiFi availability	YES
Internet access in labs, classrooms, library and offices of all Departments	180 MBPS
Security arrangements	PASSWORD

Declaration

The head of the institution needs to make a declaration as per the format given -

- I undertake that, the institution is well aware about the provisions in the NBA's accreditation manual concerned for this application, rules, regulations, notifications and NBA expert visit guidelines inforce as on date and the institutes hall fully abide by them.
- It is submitted that information provided in this Self Assessment Report is factually correct.
- I understand and agree that an appropriate disciplinary action against the Institute willbe initiated by the NBA. In case, any false statement/information is observed during pre-visit, visit, postvisit and subsequent to grant of accreditation.

Head of the Institute
Name : Dr D.VIJAYA KUMAR
Designation : PRINCIPAL
Signature :



Seal of The Institution :

Place : KODAD
Date : 31-01-2021 18:08:57

Annexure-I

PROGRAM OUTCOMES (POs)

Engineering Graduates will be able to:

9. **Engineering knowledge**: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
10. **Problem analysis**: Identify, formulate review research literature and analyze complex engineering problems reaching substantiated conclusions using first principle of mathematics, natural science and engineering science.
11. **Design/development of solutions**: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
12. **Conduct investigations of complex problems**: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
13. **Modern tool usage**: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
14. **The engineer and society**: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
15. **Environment and sustainability**: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

16. **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
13. **Individual and team work**: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
14. **Communication**: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
15. **Project management and finance**: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
16. **Life-long learning**: Recognize the need for, and have the preparation and ability

    to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes

A graduate of the Computer Science and Engineering Program will be able to:

PSO-1:
Computing Techniques: Apply the knowledge about principle of programming languages, computer algorithms, databases, system software and computer network for the interconnection.

PSO-2:
Computer product and Application Development: Interpret and analyze the problem, formulate an efficient hardware and software solution for the real world. Socio - industry related problems and needs using computing methodologies and latest technologies.

PSO-3:
Successful Career and Entrepreneurship Perspectives: Fulfilling desire by attaining employment, excel in competitive examinations, higher studies, research and initiate startups.