

K.G. Reddy College of Engineering and Technology

Computer Science & Engg.

Part A : Institutional Information

1 Name and Address of the Institution

K.G. Reddy College of Engineering and Technology,
Chilkur (Village) Moinabad (Mandal) Ranga Reddy (District)

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:

<input type="checkbox"/> University	<input type="checkbox"/> Autonomous
<input type="checkbox"/> Deemed University	<input checked="" type="checkbox"/> Affiliated
<input type="checkbox"/> Government Aided	

5 Ownership Status:

<input type="checkbox"/> Central Government	<input type="checkbox"/> Trust
<input type="checkbox"/> State Government	<input type="checkbox"/> Society
<input type="checkbox"/> Government Aided	<input type="checkbox"/> Section 25 Company
<input checked="" type="checkbox"/> Self financing	<input type="checkbox"/> 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

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
Computer Science & Engineering	UG	2008	2008	60	Yes	120	Applying first time	--	--	Yes	4
Sanctioned Intake for Last Five Years for the Computer Science & Engineering											
Academic Year				Sanctioned Intake							
2019-20				120							
2018-19				120							
2017-18				120							
2016-17				120							
2015-16				120							
2014-15				120							
Civil Engineering	UG	2010	2010	60	Yes	60	Eligible but not applied	--	--	No	4

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
Sanctioned Intake for Last Five Years for the Civil Engineering											
Academic Year				Sanctioned Intake							
2019-20				60							
2018-19				60							
2017-18				60							
2016-17				60							
2015-16				120							
2014-15				120							
Electrical and Electronics Engineering	UG	2008	2008	60	Yes	60	Eligible but not applied	--	--	0	4
Sanctioned Intake for Last Five Years for the Electrical and Electronics Engineering											
Academic Year				Sanctioned Intake							
2019-20				60							
2018-19				60							
2017-18				60							
2016-17				60							
2015-16				0							
2014-15				60							
Mechanical Engineering	UG	2009	2009	60	Yes	60	Eligible but not applied	--	--	No	4
Sanctioned Intake for Last Five Years for the Mechanical Engineering											
Academic Year				Sanctioned Intake							
2019-20				60							
2018-19				120							
2017-18				120							
2016-17				120							
2015-16				120							
2014-15				120							
Electronics and Communication Engineering	UG	2008	2008	60	Yes	120	Applying first time	--	--	0	4
Sanctioned Intake for Last Five Years for the Electronics and Communication Engineering											
Academic Year				Sanctioned Intake							
2019-20				120							
2018-19				120							
2017-18				60							
2016-17				60							
2015-16				120							
2014-15				120							
Master of Business Administration	PG	2009	2009	60	No	60	Eligible but not applied	--	--	0	2

8 Programs to be considered for Accreditation vide this application:

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

9 Total number of employees in the institution:

A. Regular* Employees (Faculty and Staff):

Items	2019-20		2018-19		2017-18	
	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Engineering (Male)	60	60	70	70	70	70
Faculty in Engineering (Female)	24	24	32	32	45	45
Faculty in Maths, Science & Humanities (Male)	13	13	16	16	21	21
Faculty in Maths, Science & Humanities (FeMale)	10	10	10	10	14	14
Non-teaching staff (Male)	51	51	55	55	54	54
Non-teaching staff (FeMale)	31	31	33	33	38	38

B. Contractual* Employees (Faculty and Staff):

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

10 Total number of Engineering Students:

Engineering and Technology- UG	<input checked="" type="checkbox"/> Shift1	<input type="checkbox"/> Shift2
Engineering and Technology- PG	<input type="checkbox"/> Shift1	<input type="checkbox"/> Shift2
Engineering and Technology- Polytechnic	<input type="checkbox"/> Shift1	<input type="checkbox"/> Shift2
MBA	<input checked="" type="checkbox"/> Shift1	<input type="checkbox"/> Shift2
MCA	<input type="checkbox"/> Shift1	<input type="checkbox"/> Shift2

Engineering and Technology- UG Shift-1

Items	2019-20	2018-19	2017-18
Total no. of Boys	831	862	881
Total no. of Girls	357	330	288
Total	1188	1192	1169

Engineering and Technology- MBA Shift-1

Items	2019-20	2018-19	2017-18
Total no. of Boys	31	35	60
Total no. of Girls	37	45	51
Total	68	80	111

11 Vision of the Institution:

To become self-sustainable institution which is recognized for its new age engineering through innovative teaching and learning culture, inculcating research and entrepreneurial ecosystem, and sustainable social impact in the community.

12 Mission of the Institution:

- To offer undergraduate and post-graduate programs that are supported through industry relevant curriculum and innovative teaching and learning processes that would help students build knowledge and skills for their professional careers.
- To provide necessary support structures for students, this will contribute to their personal and professional growth and enable them to become leaders in their respective fields.
- To provide faculty and students with an ecosystem that fosters research and development through strategic partnerships with government organizations and collaboration with industries.
- To contribute to the development of the region by using our technological expertise to work with nearby communities and support them in their social and economic growth.

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

Head of the Institution	
Name	Dr. R S Jahagirdar
Designation	Principal
Mobile No.	8978991991
Email ID	principal@kgr.ac.in

☒ NBA Coordinator, If Designated

Name	Mr. K. Uma Shankar
Designation	Head-Accreditation
Mobile No.	9985113191
Email ID	headaccreditation@kgr.ac.in

PART B: Criteria Summary

Criteria No.	Criteria	Total Marks	Institute Marks
1	VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES	60	60.00
2	PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES	120	120.00
3	COURSE OUTCOMES AND PROGRAM OUTCOMES	120	120.00
4	STUDENTS' PERFORMANCE	150	105.22
5	FACULTY INFORMATION AND CONTRIBUTIONS	200	152.00
6	FACILITIES AND TECHNICAL SUPPORT	80	80.00
7	CONTINUOUS IMPROVEMENT	50	50.00
8	FIRST YEAR ACADEMICS	50	45.17
9	STUDENT SUPPORT SYSTEMS	50	50.00
10	GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES	120	120.00
	Total	1000	902

Part B

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

Total Marks: 60.00

1.1. State the Vision and Mission of the Department and Institute (5)

Total Marks: 5.00

Institute Marks: 5.00

Vision of the Institute	To become self-sustainable institution which is recognized for its new age engineering through innovative teaching and learning culture, inculcating research and entrepreneurial ecosystem, and sustainable social impact in the community.
Mission of the Institute	<ol style="list-style-type: none">1. To offer undergraduate and post-graduate programs that is supported through industry relevant curriculum and innovative teaching and learning processes that would help students succeed in their professional careers.2. To provide necessary support structures for students, this will contribute to their personal and professional growth and enable them to become leaders in their respective fields.3. To provide faculty and students with an ecosystem that fosters research and development through strategic partnerships with Government organizations and collaboration with industries.4. To contribute to the development of the region by using our technological expertise to work with nearby communities and support them in their social and economic growth.
Vision of the Department	To be recognized as a department of excellence by stimulating a learning environment in which students and faculty will thrive and grow to achieve their professional, institutional and societal goals.
Mission of the Department	To provide high quality technical education to students that will enable life-long learning and build expertise in advanced technologies in Computer Science and Engineering.
	To promote research and development by providing opportunities to solve complex engineering problems in collaboration with industry and government agencies.
	To encourage professional development of students that will inculcate ethical values and leadership skills while working with the community to address societal issues.

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

PEO No.	Program Educational Objectives Statements
PEO 1	Graduates will provide solutions to difficult and challenging issues in their profession by applying computer science and engineering theory and principles.
PEO 2	Graduates have successful careers in computer science and engineering fields or will be able to successfully pursue advanced degrees.
PEO 3	Graduates will communicate effectively, work collaboratively and exhibit high levels of professionalism, moral and ethical responsibility.
PEO 4	Graduates will develop the ability to understand and analyze Engineering issues in a broader perspective with ethical responsibility towards sustainable development.

1.3 Indicate the Vision, Mission and PEOs are Publishes and disseminated among the stakeholders (10)

Total Marks: 10.00

The Vision, Mission and PEOs are disseminated at:

- College Website: <http://kgr.ac.in/vision-and-mission/> (<http://kgr.ac.in/vision-and-mission/>)
- Department Website: <http://kgr.ac.in/CSE/> (<http://kgr.ac.in/CSE/>)
- Department Notice Boards
- HOD office
- College Brochure
- Staff Rooms
- Laboratories
- Corridors
- Course Files
- Student Handbook

1.4(A) The Process for defining vision & mission of the department (Computer Science and Engineering)

Total Marks: 25.00

Institution Marks: 25.00

The process for defining Vision and Mission of the department started with a brainstorming session at the department level and later evaluated and approved

through a consultative process involving the stakeholders of the department, Department Advisory Board (DAB) and Governing Body (GB).

The steps for collecting inputs and analyzing for defining Vision and Mission are as follows:

Step 1: Brainstorming

Brainstorming session was conducted by inviting various internal stakeholders (faculty, students, and staff) and external stakeholders (parent, alumni, and external experts). The brainstorming session resulted in the first set of vision and mission statements that are strategically aligned to the institutions vision and mission statements.

Step 2: Evaluation

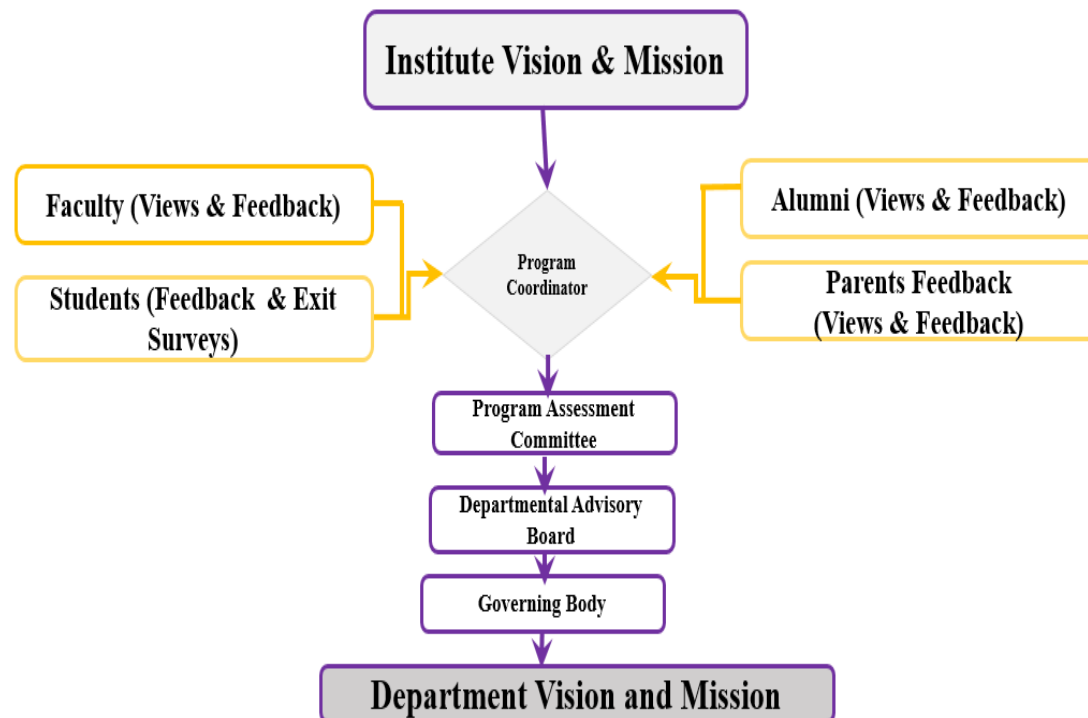
The vision and mission statements drafted in the brainstorming session are communicated to the Program Assessment Committee (PAC) Coordinator who made changes and finalized statements with feedback and suggestions the Department Advisory Board (DAB).

Step 3: Approval / Validation

The finalized Vision and Mission statements are later sent to the Governing Body (GB) for approval.

Step 4: Dissemination

After receiving approval from GB, the department vision and mission are published and disseminated to the stakeholders through various mediums as mentioned.



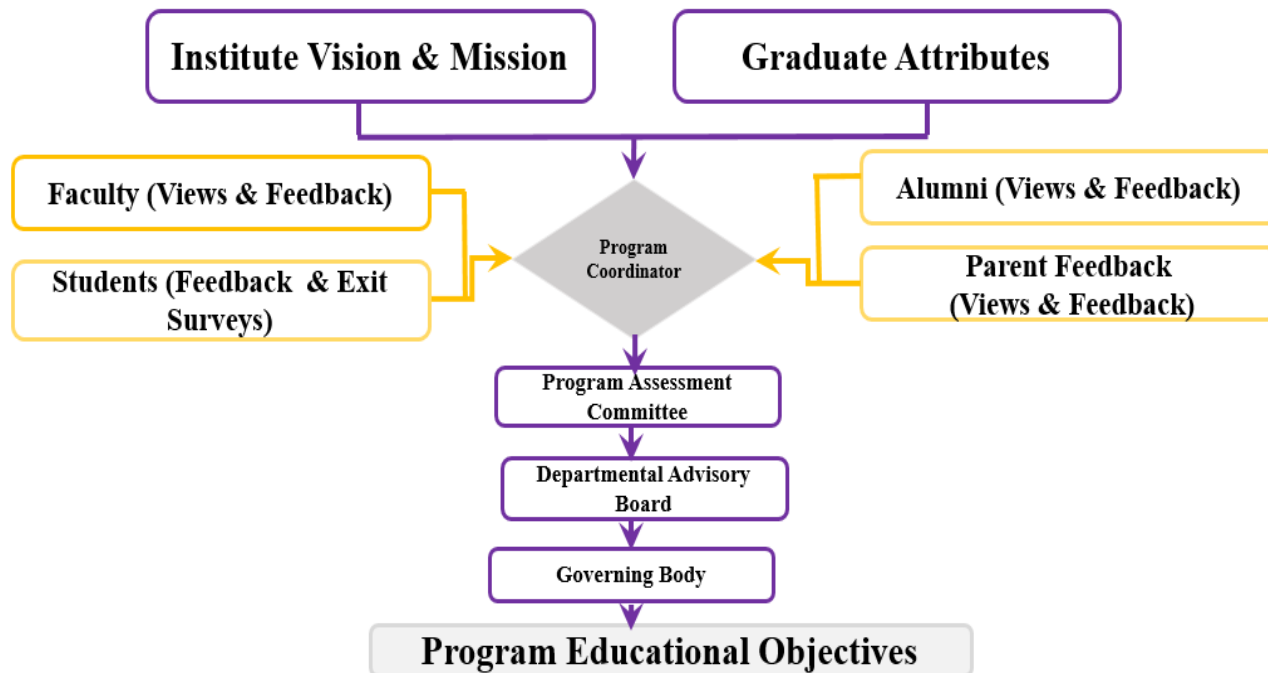
1.4(b) Process of defining the PEOs of the program:

The Program Educational Objectives are established through a consultation process involving the various stakeholders such as students, alumni, industry, faculties and employers. The following process was followed to define the department PEO's:

Step 1: Vision, mission, and graduate attributes of the department are taken as basis to interact with various stake holders and define the PEO statements.

Step 2: Program coordinator consults the key constituents and collects their views and submits the views to Program Assessment Committee (PAC). PAC summarizes the collected views and expresses its opinion on the views to define the PEO statements of the department. The PEO statements are later sent to the Departmental Advisory Board (DAB) for feedback and verification.

Step 3: After verifying the statements, DAB conducts final verification and later sends the PEO statements to the Governing Body (GB) for approval.



1.5(A) Consistency of PEOs with Mission of the Department (15)**Total Marks: 15.00****Institution Marks: 15.00**

PEOs Statements	M1	M2	M3
PEO1: Graduates will provide solutions to difficult and challenging issues in their profession by applying computer science and engineering theory and principles.	3	3	2
PEO2: Graduates have successful careers in computer science and engineering fields or will be able to successfully pursue advanced degrees.	3	2	2
PEO3: Graduates will communicate effectively, work collaboratively and exhibit high levels of professionalism, moral and ethical responsibility.	2	2	3
PEO4: Graduates will develop the ability to understand and analyze engineering issues in a broader perspective with ethical responsibility towards sustainable development.	2	2	3

M1 – Mission -1, M2 - Mission -2, M3 - Mission -3

- **M1 – Mission-1:** To provide high quality technical education to students that will enable life-long learning and build expertise in advanced technologies in Computer Science and Engineering.
- **M2 – Mission-2:** To promote research and development by providing opportunities to solve complex engineering problems in collaboration with industry and government agencies.
- **M3 - Mission -3:** To encourage professional development of students that will inculcate ethical values and leadership skills while working with the community to address societal issues.

1.5(B) Justification for Mapping of PEOs with Mission of the Department

The mapping for PEO statements with department mission statements is carried using three weightage indicators:

3 – Strong correlation; 2 – Moderate correlation; 1 – Weak correlation.

PEO1

- PEO1 is strongly correlated with M1 as students will build expertise in the field of computer science through solving complex problems and designing technological solutions.
- PEO1 is also strongly correlated with M2 as students while engaging in research need to investigate, identify, and solve complex problems using principles of computer science engineering.

- PEO1 has a moderate level correlation with M3 as students need to work with community partners and work collaboratively on solving society-based issues through technology solutions.

PEO2

- PEO2 is strongly correlated with M1 as students need to build expertise of advanced technologies in order to have successful careers. It is also essential for students who are interested post-graduate education to have the interest and ability towards life-long learning.
- PEO2 is moderately correlated with M2 as research in the field of computer science will motivate students to pursue post-graduate education in emerging fields.
- PEO2 is moderately correlated with M3 as the professional and leadership development of students would help students in their roles in the industry. Students in future will also be equipped with necessary leadership skills to lead teams when necessary.

PEO3

- PEO3 is moderately correlated with M1 as students learn how to communicate, work in groups through innovative pedagogies such as active, collaborative, and cooperative learning in the classroom.
- PEO3 is moderately correlated with M2 as students learn to learn to work in groups while solving complex problems and develop the writing and presentation skills that essential to communicate their research findings.
- PEO3 is strongly correlated with M3 as the student's ability to communicate; work collaboratively will contribute to their professional development. Students will also build a deeper understanding on the societal and ethical responsibilities of an engineer while working with community partners and providing technological solutions to their challenges.

PEO4

- PEO4 is moderately correlated with M1 as students while working on solving complex issues will be able to build expertise in computer science and engineering technologies.
- PEO4 is moderately correlated with M2 as students while understanding and analyzing engineering issues in the community will develop the critical and problem-solving skills that are essential for research and development.
- PEO4 is strongly correlated with M3 as students while building working on sustainable development issues will be able to reflect on their role in the society and will build professional and leadership skills in the process.

Justification for Mapping of PEOs with Mission of the Department

The mapping for PEO statements with department mission statements is carried using three weightage indicators:

3 – strong correlation; 2 – moderate correlation; 1 – weak correlation.

PEOs Statements	Mission			Justification
	M1	M2	M3	
PEO1: Graduates will provide solutions to difficult and challenging issues in their profession by applying computer science and engineering theory and principles.	3	3	2	<ol style="list-style-type: none"> 1. PEO1 is strongly correlated with M1 as students will build expertise in the field of computer science through solving complex problems and designing technological solutions. 2. PEO1 is also strongly correlated with M2 as students while engaging in research need to investigate, identify, and solve complex problems using principles of computer science engineering. 3. PEO1 has a moderate level correlation with M3 as students need to work with community partners and work collaboratively on solving society-based issues through technology solutions.
PEO2: Graduates have successful careers in computer science and engineering fields or will be able to successfully pursue advanced degrees.	3	2	2	<ol style="list-style-type: none"> 1. PEO2 is strongly correlated with M1 as students need to build expertise of advanced technologies in order to have successful careers. It is also essential for students who are interested post-graduate education to have the interest and ability towards life-long learning. 2. PEO2 is moderately correlated with M2 as research in the field of computer science will motivate students to pursue post-graduate education in emerging fields. 3. PEO2 is moderately correlated with M3 as the professional and leadership development of students would help students in their roles in the industry. Students in future will also be equipped with necessary leadership skills to lead teams when necessary.
PEO3: Graduates will communicate effectively, work collaboratively and exhibit	2	2	3	<ol style="list-style-type: none"> 1. PEO3 is moderately correlated with M1 as students learn how to communicate, work in groups through innovative

high levels of professionalism, moral and ethical responsibility.				<p>pedagogies such as active, collaborative, and cooperative learning in the classroom.</p> <p>2. PEO3 is moderately correlated with M2 as students learn to learn to work in groups while solving complex problems and develop the writing and presentation skills that essential to communicate their research findings.</p> <p>3. PEO3 is strongly correlated with M3 as the student's ability to communicate; work collaboratively will contribute to their professional development. Students will also build a deeper understanding on the societal and ethical responsibilities of an engineer while working with community partners and providing technological solutions to their challenges.</p>
PEO4: Graduates will develop the ability to understand and analyze engineering issues in a broader perspective with ethical responsibility towards sustainable development.	2	2	3	<p>1. PEO4 is moderately correlated with M1 as students while working on solving complex issues will be able to build expertise in computer science and engineering technologies.</p> <p>2. PEO4 is moderately correlated with M2 as students while understanding and analyzing engineering issues in the community will develop the critical and problem-solving skills that are essential for research and development.</p> <p>3. PEO4 is strongly correlated with M3 as students while building working on sustainable development issues will be able to reflect on their role in the society and will build professional and leadership skills in the process.</p>

2. PROGRAM CURRICULAM AND TEACHING – LEARNING PROCESSES (120)

Total Marks: 120.00

2.1. Program Curriculum

Total Marks: 20.00

2.1.1 - State the process used to identify extent of compliance of the University curriculum for attaining the Program Outcomes and Program Specific Outcomes. Also state the curricular gaps identified, if any (10)

Institute Marks: 10.00

- The distribution of courses among curriculum components is done as prescribed by the affiliated university JNTU Hyderabad.
- These curriculum components are in turn mapped to POs and PSOs.
- COs of all the courses in the curriculum are then mapped to POs defined by NBA with proper correlation factor.
- PAC and BOS review the computed values and any PO not correlated to any course indicates a curriculum gap.
- Gaps are corrected by organizing various activities such as workshops, seminars, guest lectures, certificate and value-added courses.

Program Curriculum

1. Subject Course Classification:

All subjects/ courses offered for the under graduate program in Engineering and Technology -B.Tech. degree programs are broadly classified as follows. The university has followed almost all the guidelines issued by AICTE/UGC.

S. No.	Broad Course Classification	Course Group/ Category	Course Description
1	Foundation Courses	BS – Basic Sciences	Includes mathematics, physics and chemistry subjects
2		ES –Engineering Sciences	Includes fundamental engineering subjects
3		HS – Humanities and Social sciences	Includes subjects related to humanities, social sciences and management
4	Core Courses	PC – Professional Core	Includes core subjects related to the parent discipline / department/ branch of Engineering.
5	Elective Courses	PE – Professional Electives	Includes elective subjects related to the parent discipline / department/ branch of Engineering.
6		OE – Open Electives	Elective subjects which include inter- disciplinary subjects or subjects in an area outside the parent discipline/ department/ branch of Engineering.

7	Core Courses	Project Work	B.Tech. project or UG project or UG major project or project stage I & II
8		Industrial training/ Mini- project	Industrial training/ Summer Internship/ Industrial Oriented Mini-project/Mini-project
9	Seminar		Seminar/ colloquium based on core contents related to parent discipline/ department/ branch of Engineering.
10	Minor courses	-	1 or 2 Credit courses (subset of HS)
11	Mandatory Courses	-	Mandatory courses (non-credit)

2. Components of the curriculum and their relevance to the POs and PSOs Regulation - R18 – (CAY)

Course Component	Curriculum Content (% of total number of credits of the program)	Total number of contact hours	Total number of credits	POs	PSOs
Includes mathematics, physics and chemistry subjects	14.37%	26	23	PO1, PO2, PO3, PO4, PO9, PO12	PSO1, PSO2, PSO3
Includes fundamental engineering subjects	11.87%	26	19	PO1, PO2, PO3, PO4, PO5, PO12	PSO1, PSO2, PSO3
Includes subjects related to humanities, social sciences and management	6.25%	12	10	PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2, PSO3
Includes core subjects related to the parent discipline/ department/ branch of Engineering.	41.87	78	67	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO9, PO12	PSO1, PSO2, PSO3
Includes elective subjects related to the parent discipline/ department/ branch of	11.87	20	19	PO1, PO2, PO3, PO4, PO5, PO6,	PSO1, PSO2,

Engineering				PO7, PO8, PO9, PO10, PO11, PO12	PSO3
Elective subjects which include inter-disciplinary subjects or subjects in an area outside the parent discipline/ department/ branch of Engineering.	5.62	9	9	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2, PSO3
B.Tech. project or UG project or UG major project or Project Stage I & II Industrial training/ Summer Internship/Industrial Oriented Mini-project/Mini-project	7.5	20	12	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2, PSO3
Seminar/ Colloquium based on core contents related to parent discipline/ department/ branch of Engineering.	0.625	2	1	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2, PSO3

3. The components of the curriculum and their relevance to POs and PSOs Regulation- R16 – (CAYm1)

Course Component	Curriculum Content (% of total number of credits of the program)	Total number of contact hours	Total number of credits	POs	PSOs
Includes mathematics, physics and chemistry subjects	15.10	31	29	PO1, PO2, PO3, PO4, PO9, PO12	PSO1, PSO2, PSO3.

4.

Includes fundamental engineering subjects	7.81	15	15	PO1, PO2, PO3, PO4, PO5, PO12	PSO1, PSO2, PSO3.
Includes subjects related to humanities, social sciences and management	8.33	21	16	PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2, PSO3.
Includes core subjects related to the parent discipline /department/ branch of/Engineering.	45.31	100	87	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO9, PO12	PSO1, PSO2, PSO3.
Includes elective subjects related to the parent discipline/ department/ branch of Engineering	9.37	18	18	PO1, PO2, PO3, PO4, PO5, PO12	PSO1, PSO2, PSO3.
Elective subjects which include inter- disciplinary subjects or subjects in an area outside the parent discipline/ department/ branch of Engineering.	4.68	9	9	PO1, PO2, PO3, PO4,PO5,PO6,PO7,P O8,PO9,PO10, PO11,PO12	PSO1, PSO2, PSO3.
B.Tech. project or UG project or UG major project or Project Stage I & II Industrial training/ Summer Internship/Industrial Oriented Mini-project/Mini-project	8.84	33	17	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO9, PO11, PO12	PSO1, PSO2, PSO3.
Seminar/ Colloquium based on core contents related to parent discipline/ department/ branch of Engineering.	0.52	2	1	PO1, PO2, PO3, PO4, PO5, PO8, PO12	PSO1, PSO2, PSO3

The

components of the curriculum and their relevance to POs and PSOs Regulation -R15 – (CAYm2)

Course Component	Curriculum Content (% of total number of credits of the programme)	Total number of contact hours	Total number of credits	POs	PSOs
Includes mathematics, physics and chemistry subjects	14.28	19	32	PO1, PO2, PO3, PO4, PO9, PO12	PSO1, PSO2, PSO3.
Includes fundamental engineering subjects	8.03	14.5	18	PO1, PO2, PO3, PO4, PO5, PO12	PSO1, PSO2, PSO3.
Includes subjects related to humanities, social sciences and management	11.60	23	26	PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2, PSO3.
Includes core subjects related to the parent discipline/department/branch of Engineering.	50	115.5	112	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO9, PO12	PSO1, PSO2, PSO3.
Includes elective subjects related to the parent discipline/ department/ branch of Engineering	7.14	16	16	PO1, PO2, PO3, PO4, PO5, PO12	PSO1, PSO2, PSO3.
Elective subjects which include inter- disciplinary subjects or subjects in an area outside the parent discipline/ department/ branch of Engineering.	1.78	4	4	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12	PSO1, PSO2, PSO3.
B.Tech. project or UG project or UG major project or Project Stage I & II Industrial training/ Summer	5.35	15	12	PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO9, PO11,	PSO1, PSO2, PSO3.

Internship/ Industrial Oriented Mini-project/Mini-project				PO12	
Seminar/ comprehensive viva voce/ Colloquium based on core contents related to parent discipline/ department/ branch of Engineering.	1.78	6	4	PO1, PO2, PO3, PO4, PO5, PO8, PO12	PSO1, PSO2, PSO3.

2.1.2. State the delivery details of the content beyond the syllabus for the attainment of POs and PSOs

The department has initiated the following measures to bridge the identified curricular gaps.

- **Guest lecturers:** Experts from industry and academia are invited to deliver lectures on the latest trends and thrust areas in Information Science and Engineering.
- **Technical talk:** Students are kept updated about the advances in technologies through technical seminars.
- **Workshops:** The department has introduced a novel initiative for students, wherein they are encouraged to participate in hands-on workshops thereby enhancing their application skills.
- **Soft skill training:** The department emphasizes on personality development through soft skills training programs to improve the employability of students.
- **Industrial visits:** Visits to industries of repute are organized every year to keep the students abreast with applications of Information Science and Engineering.
- **Internships:** Students are encouraged to take-up short-term internships in industries and recognized R&D centers to understand industry practices.

1. Training Programs/Workshops offered in Academic Year -2019-20 (CAY)

S. No	Gap/Add-on Courses	Action Taken/ Name of the Programme	From Date	To Date	Resource Person with Designation	No of students	Relevance POs, PSOs
1	Students are required to have skills to develop solutions of complex problem using modern tools	Guest lecture on Advanced Java Programming For II-year	13-03-2020	13-03-2020	Ch. Jalender Assistant Professor	70	PO1, PO2, PO3, PO4, PO5, PO11, PO12. PSO1, PSO2, PSO3
2	Students required to have skills for developing IT tools to solve complex engineering problems	Guest lecture on Safe Journey Towards Secured Networks for II and III years	07-03-2020	07-03-2020	Dr. Santanu Chatterjee, Scientist, RCI DRDO Hyderabad	56	PO1, PO2, PO3, PO4, PO5, PO11, PO12. PSO1, PSO2, PSO3
3	Students required to have skills to develop the system components for public health and safety.	Invited Talk on “Open Innovations and Design Thinking”	04-03-2020	04-03-2020	Prof Dr. Iyyanki Murali Krishna	180	PO1, PO2, PO3, PO4, PO5, PO11, PSO1, PSO3

4	Students are required to have skills to demonstrate the engineering principles and engage in independent learning.	“A Guidance Program on career opportunities” was arranged for III and II year	23-01-2020	23-01-2020	Dr. Mahipal Reddy, ACE Institution	150	PO1, PO2, PO3, PO6, PO11. PSO1, PSO3.
5	Students are required to have skills to use research-based knowledge and methods for experiments of Technology.	Two days Workshop on “Boot Camp on Block Chain Technology” was organized for IV year & II-year students	08/11/2019	09/11/2019	Mr. Pankaj Diwan Idea Labs	94	PO1, PO2, PO3, PO4, PO12. PSO1, PSO2, PSO3.
6	Students are required to have skills to use research-based knowledge for analyzing the methods of Technology.	Guest Lecture on “Block Chain” was arranged for IV year	27/10/2019	27/10/2019	Jaya Prakash Arjarapu, Oracle Pvt. Ltd	50	PO1, PO2, PO3, PO4, PO12. PSO1, PSO2, PSO3.
7	Students are required to have skills to apply appropriate techniques and resources to develop IT tools.	Guest Lecture on “Python Programming -GUI Programming, Web Programming” was arranged for IV year	5/10/2019	5/10/ 2019	S. Venkateshwarlu Associate Professor, Vidya Jyothi Institute of Technology, Hyderabad	55	PO1, PO2, PO3, PO4, PO5, PO11, PO12. PSO1, PSO2, PSO3.
8	Students are required to have skills to apply appropriate techniques for complex engineering problem through computing system.	Guest Lecture on “Grid Computing, Parallel Computing, and Distributed Computing” was arranged for II year &	11/03/2019	11/03/2019	Clayton S. Ferner, Dept of Computer Science, North Carolina.	143	PO1, PO2, PO3, PO4. PO5 PSO1, PSO2, PSO3

		IV year					
9	Students are required to have skills to design and develop the components for societal and environmental solutions.	Value added courses on “Fundamentals of Python Programming” was conducted for II & III year	19/08/2019	24/08/2019	Rameshwari Engurthi, NIIT, Hyderabad	115	PO1, PO2, PO3, PO4, PO5, PO11, PO12. PSO1, PSO2, PSO3
10	Students are required to have skills to know different software components of developed through programming languages.	Certificate course on “Advanced C Programming” for II year	Aug-Nov	2019-20	Dr. C. Basavraj, KGR CET	115	PO1, PO2, PO3, PO4, PO5, PO11, PO12. PSO1, PSO2, PSO3.
11	Students are required to have skills to develop different software tools of developed through programming languages.	Certificate course on “OOPs Through Java” for III year	Aug-Nov	2019-20	Mrs. B.N. Jyothi, KGR CET	85	PO1, PO2, PO3, PO4, PO5, PO11, PO12. PSO1, PSO2, PSO3.

2. Training Programs (Value Added Courses) / Guest Lectures offered in Academic Year -2018-19 (CAYm1)

S. No	Gap/Add-On Courses	Action Taken/ Name of the Programme	From Date	To Date	Resource Person with Designation	No of students	Relevance POs, PSOs
1	Students are required to have skills to use research methods to develop classification model health issues.	Value added courses on “Deep neural network” was organized for IV-year students	11/03/2019	16/03/2019	Dr. Sarat Chandra Naik	108	PO1, PO2, PO3, PO4, PO5, PO12. PSO1, PSO2, PSO3.

2	Students are required to have skills to use research methods to develop IT tools for solutions of social issues.	Value added courses on “Machine Learning and Artificial neural network “was organized for III year students	22/02/2019	27/02/2019	Dr Sarat Chandra Naik	95	PO1,PO2,PO3, PO4,PO5, PO11, PO12. PSO1, PSO2, PSO3
3	Students are required to have skills to design and develop the components for societal and environmental solutions.	Value added courses on “Web development using python on Django” was conducted for IV year students	28/01/2019	02/02/2019	Mr.Subba Raju	108	PO1,PO2,PO3, PO4, PO12. PSO1,PSO2, PSO3.
4	Students are required to have skills to develop software solutions of complex engineering problems	Guest Lecture on “Software Quality Management” was arranged for III year students	2/11/2018	2/11/2018	R. Sravan, Assistant Professor, MGIT	33	PO1,PO2,PO3, PO4, PO11, PO12. PSO1, PSO2, PSO3.
5	Students are required to have skills to use research-based knowledge for analysis and interpretation of societal data	Five-day workshop on “Oracle Database Programming” was conducted for students	22/10/2018	26/10/2018	Mr. Vamshi	37	PO1,PO2,PO3, PO4, PO12. PSO1, PSO2, PSO3.
6	Students are required to have skills to use research-based knowledge for analysis and interpretation of societal as well as environmental data	Certificate course on “MTA DBF (Microsoft Technical Associate database fundamentals)” for III year	27/08/2018	01/09/2018	Mrunthyunja yaMenda	96	PO1,PO2,PO3, PO4,PO5, PO11, PO12. PSO1, PSO2, PSO3.
7	Students are required to have skills to design and develop the engineering models for health and safety.	Certificate course on “Internet of Things (IOT)” for IV year	11/02/2019	16/02/2019	Dr.Sudheer Ranjan Patnaik	101	PO1,PO2,PO3, PO4, PO5, PO11, PO12. PSO1, PSO2,

							PSO3.
--	--	--	--	--	--	--	-------

3. Training Programs/Workshops offered in Academic Year -2017-18 (CAYm2)

S. No	Gap/Add-on Courses	Action Taken/ Name of the Programme	From Date	To Date	Resource Person with Designation	No of students	Relevance POs, PSOs
1	Students are required to have skills to create appropriate solutions to meet the specified needs for health, societal, and environment developments.	Three days workshop on “Web Designing” was arranged for II year	15/02/2018	17/02/2018	Mr. Y Naveen Reddy Mr. Naveen Gude	99	PO1, PO2, PO3, PO4, PO11, PO12. PSO1, PSO2, PSO3.
2	Students are required to have skills to use appropriate techniques for analysis and interpretation of health and societal data.	Two days workshop on “DBA” was arranged for III year	30/10/2017	31/10/2017	Dr. M Raja Sekar, Professor	43	PO1, PO2, PO3, PO4, PO12. PSO1, PSO2, PSO3
3	Students are required to have skills to design and develop the components for societal solutions using modern tools for professional skills	Three days workshop on “Python Programming” was arranged for II year	18/09/2017	20/09/2017	Mr. Hari Krishna and Mrs. Sai Lata	112	PO1, PO2, PO3, PO4, PO5, PO11, PO12. PSO1, PSO2, PSO3
4	Students are required to design solutions for complex problems and provide security.	Two days Workshop on “Cloud Computing” conducted for IV year	22/08/2017	23/08/2017	Mr. Naveen Kumar and Mr. Sagar Kumar	86	PO1, PO2, PO3, PO4, PO11, PO12. PSO1, PSO2, PSO3
5	Students are required to formulate given problems and	Five days Workshop on “Oracle	12/08/2017	16/08/2017	Mr Vamshi	43	PO1, PO2, PO3, PO4, PO12. PSO1, PSO2,

3.

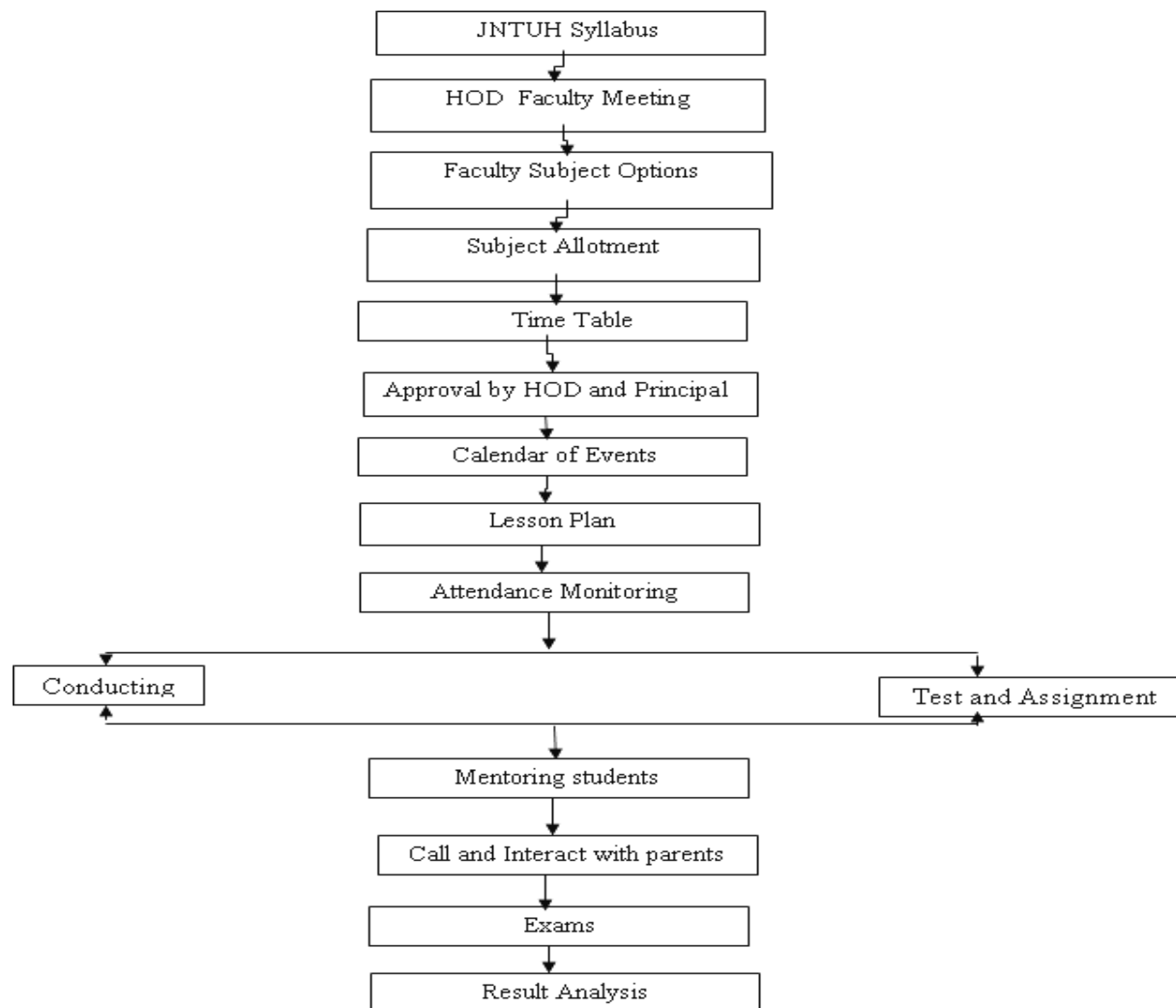
	find out the appropriate solutions of data analysis. And to engage in lifelong learning	Database” was arranged for IV Year students					PSO3.
6	Students are required to have skills to design framework for big data based complex engineering problems using modern tools	Value added course on “Big Data using Hadoop” is provided for III year	27/02/2018	03/03/2018	Mr. Randeep, Naresh Technology, Hyderabad	108	PO1, PO2, PO3,PO4, PO5,PO12. PSO1, PSO2, PSO3
7	Students are required to have skills to create appropriate solutions to meet the specified needs for health, societal issues.	Value added course on “Python on Conda environment” is organized for II year	12/03/2018	17/03/2018	Mr. Subba Raju	96	PO1, PO2, PO3, PO4, PO5,PO11, PO12. PSO1, PSO2, PSO3
8	Students are required to have skills to use computational techniques for analysis and interpretation of societal needs and engage in lifelong learning	Certificate course on “Database Programming with SQL” for III year	30/10/2017	3/11/2017	Mr. Vamshi Cognizant, Hyderabad	109	PO1,PO2, PO3, PO4, PO12 PSO1,PSO2,PSO3
9	Students are required to apply computational techniques to find solutions for complex software problems and provide security.	Certificate course on “Cloud Computing & Security” for IV year	08/01/2018	12/01/2018	Dr Sudher Ranjan Patnaik	85	PO1, PO2, PO3, PO4, PO12 PSO1,PSO2,PSO3
10.	Students are required to have skills to create appropriate solutions to meet the specified needs of health, societal issues.	Certificate course on “Web Design” for II year	15/02/2018	19/02/2018	Mr. Y Naveen Reddy and Mr. G Naveen	96	PO1, PO2, PO3, PO4, PO12 PSO1,PSO2,PSO3

Training Programs/Workshops offered in Academic Year -2016-17 (CAYm3)

S. No	Gap/Add-on Courses	Action Taken/ Name of the Programme	From Date	To Date	Resource Person with Designation	No of students	Relevance POs, PSOs
1	Students are required to have skills to design and develop the software solutions using modern software tools.	Three days workshop on” Android Application Development”. II year	18-1-2017	20-1-2017	Mr. Y Naveen Reddy Mr. Naveen Gude	111	PO1, PO2, PO3, PO4, PO12 PSO1,PSO2,PSO3
2	Students are required to have skills to design and develop solutions of engineering problems pertaining to software engineering using software language.	Three days workshop on “dot NET”. III year	6-02-2017	08-02-2017	Mr. Y Naveen Reddy Mr. Naveen Gude	87	PO1, PO2, PO3, PO4, PO5,PO11, PO12. PSO1,PSO2, PSO3
3	Students are required to have skills to create appropriate solutions to meet the issues of societal needs.	Three days workshop on “Web Design” III year	21-07-2016	23-07-2016	Mr. Y Naveen Reddy Mr. Naveen Gude	101	PO1, PO2, PO3, PO4, PO12 PSO1,PSO2,PSO3
4	Students are required to have skills to design and develop the software solutions using modern software tools.	Three days workshop on” Android Application Development” II year	18-7-2016	20-7-2016	Mr. Y Naveen Reddy Mr. Naveen Gude		PO1, PO2, PO3, PO4,PO5,PO11, PO12. PSO1,PSO2,PSO3

Processes followed to improve quality of Teaching and Learning:
2.2.1A Adherence to Academic Calendar

Department prepares calendar of events based on the academic calendar of JNTUH and calendar of events of the college. The calendar of events of the Department includes the activities planned like guest lectures, industrial visit and workshops dates. The staff members and students adhere to the calendar of events to meet the department's planned events. The academic calendars of JNTUH, calendar of events of college and the department are shown in given figure below respectively. Lesson plan for each course is designed by the course coordinators adhering to the calendar of events of the department.



2.2.1-A Academic Calendar:

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
REVISED ACADEMIC CALENDAR (2019-20)
 FOR NON-AUTONOMOUS CONSTITUENT & AFFILIATED COLLEGES
 B. TECH./B.PHARM. II, III & IV YEARS I & II SEMESTERS

I SEM

S. No	EVENT	DATE	Duration
1	Commencement of Instruction	15 th July 2019	--
2	First Mid Term Examinations	12 th to 14 th Sept. 2019	--
3	Submission of First Mid Term Exam Marks to University on or before	20 th Sept. 2019	--
4	Parent-Teacher Meeting	21 st Sept. 2019	--
5	Dussehra recess	7 th to 19 th Oct. 2019	2 weeks
6	Last date of Instruction	20 th Nov. 2019	17 weeks
7	Second Mid Term Examinations	21 st to 23 rd Nov. 2019	--
8	Preparation Holidays and Practical Examinations	25 th to 30 th Nov. 2019	1 week
9	Submission of Second Mid Term Exam Marks to University on or before	30 th Nov. 2019	--
10	End Semester Examinations	2 nd to 14 th Dec. 2019	2 weeks

II SEM

S. No	EVENT	DATE	Duration
1	Commencement of Instruction	16 th Dec. 2019	--
2	First Mid Term Examinations	10 th to 12 th Feb. 2020	--
3	Submission of First Mid Term Exam Marks to University on or before	19 th Feb. 2020	--
4	Parent-Teacher Meeting	14 th March 2020	--
5	Last date of Instruction	7 th April 2020	16 weeks
6	Second Mid Term Examinations	8 th to 11 th April 2020	--
7	Preparation Holidays and Practical Examinations	13 th to 18 th April 2020	1 week
8	Submission of Second Mid Term Exam Marks to University on or before	18 th April 2020	--
9	End Semester Examinations	20 th April to 2 nd May 2020	2 weeks
10	Summer Vacation	4 th May to 4 th July 2020	9 weeks


 21.10.19
 DIRECTOR
 ACADEMIC & PLANNING, JNTUH





KG REDDY
 College of Engineering & Technology
 Hyderabad

KG Reddy College of Engineering & Technology
 (Approved by AICTE, New Delhi, Affiliated to JNTU/H, Hyderabad)
 (Vijaya, Mahabub (Mandal), R. R. Dwa, TS-501 994)



KGRCE/A.Y/Dpt/CSE/SEM-III/001

Accredited by AACSB
 Date: 14/12/2019

Academic Calendar

Department of Computer Science and Engineering
Academic Year: 2019-20

Semester: EVEN

Week	Month	Sun	Tue	Wed	Thu	Fri	Sat	Nr. Working days	Event
1.	DEC	16	17	18	19	20	21	6	16 th - Department meeting 22 nd - Orientation day 25-CHRISTMAS 26-BUSINESS DAY
2.		23	24	25	26	27	28	4	
3.		30	31					2	
4.								2	
5.	JAN	6	7	8	9	10	11	6	1-NEW YEAR 6 th - Department meeting 8 th - Guest lecture on JAVA 11-Blug 15-Interschool 18 th - 19 th Workshop on Web technology 22-28 College fest 14 th - Expert lecture on Machine Learning
6.		13	14	15	16	17	18	4	
7.		20	21	22	23	24	25	6	
8.		27	28	29	30	31		5	
9.	FEB						1	1	3 rd - Department meeting 10 - 12 1 st Mid exam 10- Mahabubnagar 14 th - Guest lecture on Cryptography and Network Security 14 th - 20 th Workshop on IIS/OS
10.		3	4	5	6	7	8	6	
11.		10	11	12	13	14	15	6	
12.		17	18	19	20	21	22	5	
13.	MARCH	24	25	26	27	28	29	6	1 st - Department meeting 9 th - 2019 15 th - Vign 17 th - Expert lecture on OS
14.		1	2	3	4	5	6	6	
15.		9	10	11	12	13	14	5	
16.		16	17	18	19	20	21	6	
17.	APRIL	23	24	25	26	27	28	4	4 th - HAB meeting 2 nd - Krishna Purani 9 th to 11 th Mid exam
18.		30	31					2	
19.				1	2	3	4	3	
20.		6	7	8	9	10	11	6	
21.		12	13	14	15	16	17		
Total Working Days								92	
Examination Activities				Holidays				Co-curricular Activities	
Student Controlling by the Faculty in the First Week of Every Month									
Term Start	Last Working Day	Practical Examination		Theory Examination		End of Theory Examination		Next Semester Begins	
16-12-2019	07-04-2020	13-04-2020 To 16-04-2020		20-04-2020		02-05-2020		06-07-2020	
HOD CSE : Dr.H.S.WANKHEDE									


HOD
 in-charge


HOD
 in-charge

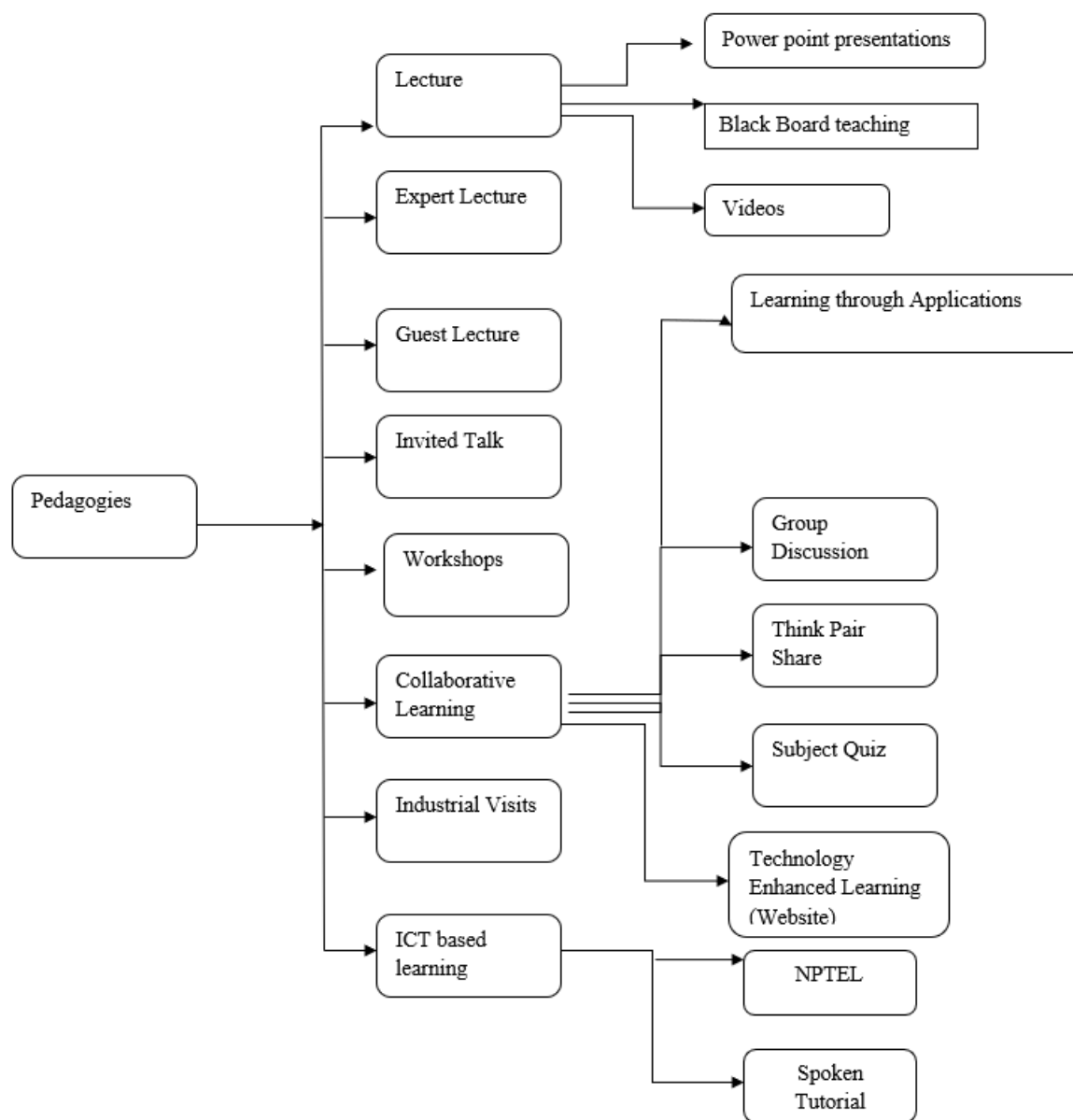

PRINCIPAL
 in-charge

DEPT. OF COMPUTER SCIENCE & ENGINEERING
 KG REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
 GUDAUR (V), MAHABUB (M), R.R. DIST. TS-501 994

KG Reddy College of Engineering & Technology
 Chennai - 600 089 (M)
 R. R. Dist

2.2.1-B. Instructional Methods and Pedagogies:

Department follows Outcome Based Education (OBE) approach. Faculties use innovative teaching methods to cater for the needs of OBE. The Pedagogies followed by the department is as shown in figure below.



1. Collaborative learning:

- To improve student centric collaborative learning, the students in a class room are divided into groups of six with a topper in each group. These groups are encouraged to promote cooperative learning concept, where they exchange and share knowledge within the group and have healthy competition with other similar groups in the same section and other sections.
- To help in lifelong learning capability, it was made mandatory to students (particularly) those with aptitude for academic carrier, to handle the class for some selected topics from the syllabus or related and advanced.
- Workshop attended students share their knowledge with other students and thus train others.

2. Collaborative learning helps to promote the following:

- Development of higher-level thinking, oral communication, self-management and leadership skills.
- Promotion of student-faculty interaction.
- Increase in student retention, self-esteem, and responsibility.
- Exposure to and an increase in understanding of diverse perspectives.
- Preparation for real life social and employment situations. The students are encouraged to work as a team to improve their knowledge by sharing of ideas.

3. Think-pair-share

- The course coordinator poses a question that demands analysis and evaluation.
- Students take a few minutes to think through an appropriate response.
- Students turn to a partner (or small groups) and share their responses.
- Student responses are shared within larger teams or with the entire class during a follow-up discussion

4. Subject Quiz

- The course coordinator conducts the questionnaire session in oral during the class hours this helps students to be confident in the subject.
- This helps the average students to cope up with the topics much faster.

5. ICT Supported Learning

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

6. Technology Enhanced Learning

- In this method of learning and teaching – learning methodology is supported by the technology. Here the website is created, and students are given the access to the website. The material related to the subject would be posted in the website for student's reference. Assignment questions are being posted by the facilitator. The same can be answered by the students. Students can clarify their doubts by posting questions, and discussions on the subject could be held in the website

7. Workshops

- Department organizes at least two workshops per academic year to facilitate the students in having a hands-on training in a specific domain.
- These workshops enable students to learn and realize new and latest technologies.

The students get a platform to exhibit their ideas and implement them in reality.

2.2.1. C Methodologies to support weak students and encourage bright students

The institution conducts an Induction Program for 12 days with an aim to determine the learning level of the students and the following mechanism is adopted. Diagnostic tests are conducted for all students to evaluate their understanding of the fundamentals of mathematics, physics, chemistry, and English. The academic assessment of the students is carried out by taking three grading factors are taken into consideration for weight age: test on fundamentals of basic sciences (diagnostic test) with intermediate scores and EAMCET marks. Apart from the diagnostic tests, the entire faculty in the H&S department devotes time during the first few days of classes to interact with the students. During the interaction, the faculties try to understand the academic background of students, their pace of learning, personality, motivation, interests, and career aspiration. This interaction builds up the much-needed rapport of caring and sharing between teachers and students. The initial interacts between the faculty and students and the academic assessment of the students help the faculty to identify slow and advanced learners in the classroom. Formative assessments are further conducted during the semester to re-evaluate advanced and slow learners. The formative assessments provide the faculty an overview of the students' learning in different courses so that additional support could be provided to students who develop certain misconceptions during the semester.

Strategies adopted for facilitating Slow Learners:

- Extra remedial classes are conducted for slow learners
- Collaborative Learning Practice (CLP)
- Counseling classes are regularly organized to identify the problems of slow learners
- Extra classes supplemented by course notes
- Informal counseling through mentor-mentee network is also conducted on comparatively difficult topics for their better understanding and creating confidence in them.
- Home assignments of different levels are provided to improve their performance levels and to boost their confidence in facing the university examination.

- Industry visits are organized.
- Slow learners, who are creative, are encouraged to learn by “fun”, which provides impetus to hone their creative skills through fundamental application of their subject knowledge.
- Parents are informed about performance of students at parent-teacher meets and their suggestions taken regarding academic progress of the students.

Strategies adopted for facilitating Advanced Learners:

- Project Based Assignments (PBA)
- Enrollment in MOOCs
- Participation in events conducted by Professional bodies like IEEE, CSI.
- Participation in conferences, workshops, state and national level technical competitions.
- Different levels of home assignments are provided, and ICT special classes are conducted to suit their needs.
- These efforts are helpful in securing high grades by the students and it leads to secure admission in premier national institutions of repute for further higher education and also for better placements.

2.2.1D Student centric methods, such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences

Efforts to keep students engaged:

Students are being taught by the active learning methodologies as discussed above, this method is implemented in the class. The complete class timing is scheduled as follows:

- 1) First 10 minutes, students are informed about the objectives of the topic to be taught in the class and attendance will be taken.
- 2) Next 15 min delivery of the lecture topic, and instructions to the students.
- 3) 5 – 10 minutes any activity as listed below would be conducted.
- 4) Next 15 min delivery of the lecture topic, and instructions to the students.
- 5) Last 10 min summary of the delivered lecture and question and answer session could be conducted.

Active Learning Strategies: Faculty in the institution implements the following active learning strategies depending on the learning outcomes for their respective courses.

Think – Pair – Share: To facilitate and improve students’ articulating abilities, the faculty members implement this method. Faculty puts a question to students on a topic. Then students think individually for a while, pair with their peers and share their responses so as to improve their skills by way of participation.

Just a Minute: The faculty members adopt this method with general topic or subject related topic is given to students and they speak on a given topic in one

minute. This enhances their effective communication skills and builds good confidence so that they good at subject.

Ice-breaking Activities: As soon as the faculty enters to the classroom, faculty member poses a question to the students on the topic covered in the previous class to get the attention of the students and also this activity helps the students who are absent to previous class.

Model Preparation: The students prepare prototype model of their own idea under the guidance of faculties and participates in Hackathons program. Students are encouraged to build the models on contemporary issues with the help of faculty members. The developed models were showcased in poster presentation, conferences and technical fest.

Co-curricular Activities: Students participate in various co-curricular activities like workshops, seminars, technical quizzes, technical expos, Hackathons to facilitate in the development of mind and personality along with moral learning.

Brain storming: The institution adopts this technique by implementing various students' centric methods to enhance the creativity skills in young minds; in turn the students are capable enough to compete without side world as per the industry expectations.

Flipped Classroom: The faculty members adopt this instructional strategy to engage the students after the class room hours. The faculty members assign a topic to be prepared at home. The faculty members ask students to come up with their views and doubts if any to the next class.

Collaborative learning practice (CLP): The institution implements CLP, in which the students involve in various activities and they interact with their peers to share ideas and information to improve their learning, thinking skills.

Project Based Assignments: Students are involved in designing prototypes which make students acquire a deeper knowledge through experimental learning by active participation.

2.2.1 E&F. Continuous Assessment in the laboratory

Continuous Assessment in Lab:

At the beginning of semester, for each laboratory list of experiments are framed from syllabus and solved using C programming. A log book is maintained to monitor the student in and out time for the lab session. Each student is supposed to carry out the experiment assigned to him/her. Upon execution of the program, viva- voce is carried out for each student and based upon their performance on the program. Each student is given grading/marks for their laboratory session, these marks are reflected in their internal lab exam.

1. List of experiments for Operating System Laboratory

1. Write C programs to simulate the following CPU Scheduling algorithms a. FCFS b. SJF c. Round Robin d. Priority
2. Write programs using the I/O system calls of UNIX/LINUX operating System (open, read, write, close, fcntl, seek, stat, opendir, readdir)
3. Write a C program to simulate Bankers Algorithm for Deadlock Avoidance and Prevention
4. Write a C Program to implement the producer –Consumer problem using semaphores using UNIX/LINUX system calls.

5. Write C Programs to illustrate the following IPC mechanisms a. Pipes b. FIFOs c. Message Queues d. Shared Memory.
6. Write C Programs to simulate the following memory management techniques a. Paging b. Segmentation.

2. Resources Available

1. 60 Systems with LINUX operating System

3. Additional Lab Exercises

More exercise work is given to improve the caliber of the student's knowledge in each laboratory.

1. Write a C Program to implement the Dining –Philosopher problem using UNIX/LINUX system calls

Sample copy of lab evaluation sheet

Name of the Lab:

Roll No.:

Name of the Student:

S.No.	Name of the Experiment	Date of Experiment	Record of previous experiment (5 marks)	Execution of experiment (5 marks)	Viva-Voce (5 marks)	Total (15 marks)	Remarks by Faculty
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							

	Average		
--	---------	--	--

Faculty Member

HOD

2.2.1-G. Document for the details of student feedback of teaching learning process and actions taken:

Faculty feedback performance for every course is assessed from students on various parameters defined by the Institution twice in a semester. Few parameters are listed below:

1. Clarity in explaining the subject
2. Topic explained is understandable or not
3. Faculty answering the student's queries
4. Coverage of topic/course is on time
5. The subject concepts were explained with example and
6. Content quality is relevant and useful

Student Feedback Mechanism

KG Reddy College of Engineering and Technology institution initiates a feedback mechanism that gauges the capabilities of the faculty members and for consistent improvement and upgrading their skills. In this process Google Feedback Forms are created and mailed to all the students. They would give their feedback and submit.

The feedback will be taken on eight parameters: **Learning, Enthusiasm, Organization, Group Interaction, Individual Rapport, Extensiveness, Examinations, Assignments**, and rated on a scale of 1 to 5. Based on the points that each faculty gets, grades will be decided. The following table shows how each faculty is graded.

Grade	A++	A+	A	B+	B	C+	C
Grade Points	4.51	4.26	4.01	3.76	3.51	3.26	3.01
Grade Point Range	>4.51	$\geq 4.26 \ \< \ 4.51$	$\geq 4.01 \ \< \ 4.26$	$\geq 3.76 \ \< \ 4.01$	$\geq 3.51 \ \< \ 3.76$	$\geq 3.26 \ \< \ 3.51$	$\geq 3.01 \ \< \ 3.26$
*Minimum Eligibility Criteria is average of Learning, Enthusiasm, Organization should be 3.26							

Later the principal and the head of the department will interact with the faculties individually and highlights the strengths of the faculty and advises him/her to overcome the weaknesses and suggest them to improve their performance further. The faculty assures them with their action plan for the next feedback. The improvement in performance is monitored and verified in the second feedback data and necessary reward/corrective actions are taken by management. The feedback by received by faculty from students is considered as one of the metric for salary increment.

ACTION TAKEN REPORT ON STUDENT FEEDBACK-1 (Sample)

Name of the faculty: Mr. Ram Babu

Name of the Student: Computer Networks

Year / Semester / Section: II/I/ A

Department: CSE

Learning	Enthusiasm	Organization	Group Interaction	Individual Rapport	Extensiveness	Examinations	Assignments	Overall	Average	Grading
3.80	3.79	3.75	3.73	3.83	3.79	3.79	3.88	3.87	3.80	B+

Grade	A++	A+	A	B+	B	C+	C
-------	-----	----	---	----	---	----	---

Grade Points	4.51	4.26	4.01	3.76	3.51	3.26	3.01
Grade Point Range	>4.51	$\geq 4.26 \text{ \& } < 4.51$	$\geq 4.01 \text{ \& } < 4.26$	$\geq 3.76 \text{ \& } < 4.01$	$\geq 3.51 \text{ \& } < 3.76$	$\geq 3.26 \text{ \& } < 3.51$	$\geq 3.01 \text{ \& } < 3.26$
* Minimum Eligibility Criteria is average of Learning, Enthusiasm, Organization should be 3.26							

Note: The obtained score is on the scale of 1 to 5

1. Based on the analysis of feedback, conclusions are drawn about the strengths and weaknesses of a faculty.
2. The faculty is suggested to improve in all the above-mentioned sections by making the students to involve in group discussions and implement active learning methods.
3. It is also suggested to make use of ICT tools and innovative teaching methods, which improves the overall teaching learning process. We expect improvement in your overall performance for the next feedback.
4. Each faculty is requested to submit the action plan to improve the group interaction.

Feedback Sample Questionnaire

KGR CET Faculty Evaluation Form II- B.Tech II-Semester-CSE-A, A.Y. 2019-20- SB

* Required

DATABASE MANAGEMENT SYSTEM

0-Not Applicable,1-Strongly Disagree, 2-Disagree, 3-Average, 4-Agree, 5-Strongly Agree

Faculty Name *

Choose ▼

Learning

I benefited a great deal from the course content and understood the subject material of this course *

	0	1	2	3	4	5	
Not Applicable	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

I have found the course intellectually challenging and stimulating *

0 1 2 3 4 5
Not Applicable ☐ ☐ ☐ ☐ ☐ ☐ Strongly Agree

My interest in the subject has increased because of this course *

0 1 2 3 4 5
Not Applicable ☐ ☐ ☐ ☐ ☐ ☐ Strongly Agree

I believe I have attained the learning outcomes of the course *

0 1 2 3 4 5
Not Applicable ☐ ☐ ☐ ☐ ☐ ☐ Strongly Agree

The laboratory work/assignments helped me attain the learning outcomes of the course *

0 1 2 3 4 5
Not Applicable ☐ ☐ ☐ ☐ ☐ ☐ Strongly Agree

The course notes and text book helped me attain the learning outcomes *

Not Applicable 0 1 2 3 4 5 Strongly Agree

☐ ☐ ☐ ☐ ☐ ☐

Enthusiasm

Faculty spoke clearly and was enthusiastic about teaching the course *

Not Applicable 0 1 2 3 4 5 Strongly Agree

☐ ☐ ☐ ☐ ☐ ☐

Faculty presentations held my interest during class *

Not Applicable 0 1 2 3 4 5 Strongly Agree

☐ ☐ ☐ ☐ ☐ ☐

Faculty encouraged questions in the class *

Not Applicable 0 1 2 3 4 5 Strongly Agree

☐ ☐ ☐ ☐ ☐ ☐

Faculty support critical thinking and independent learning *

0 1 2 3 4 5
Not Applicable ☐ ☐ ☐ ☐ ☐ ☐ Strongly Agree

Faculty explained and helped in solving the tutorial questions *

0 1 2 3 4 5
Not Applicable ☐ ☐ ☐ ☐ ☐ ☐ Strongly Agree

Faculty asks questions that tap higher level thinking *

0 1 2 3 4 5
Not Applicable ☐ ☐ ☐ ☐ ☐ ☐ Strongly Agree

Faculty recognized which students did not understand and reviewed as needed *

0 1 2 3 4 5
Not Applicable ☐ ☐ ☐ ☐ ☐ ☐ Strongly Agree

Organization

Faculty gave lectures which facilitated taking notes *							
	0	1	2	3	4	5	
Not Applicable	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree
Faculty explanations were clear *							
	0	1	2	3	4	5	
Not Applicable	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree
Faculty materials were well prepared and carefully explained *							
	0	1	2	3	4	5	
Not Applicable	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree
Faculty was available for help during his/her office hours *							
	0	1	2	3	4	5	
Not Applicable	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree
Faculty started and ended their lectures / tutorial on time *							
	0	1	2	3	4	5	
Not Applicable	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

<https://docs.google.com/forms/d/e/1FAIpQLSfWsRw7DvEIDy2m8kwtGCGKdLcQ1NQY-6UApKUfdGe1qY-qwifomResponse>
5/10

Group Interaction

Students were encouraged to participate in class discussions *

	0	1	2	3	4	5	
Not Applicable	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

Students were encouraged to share their ideas and knowledge with others *

	0	1	2	3	4	5	
Not Applicable	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

Students encouraged to work in groups *

	0	1	2	3	4	5	
Not Applicable	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

Individual Rapport

Faculty handled student discipline fairly *

	0	1	2	3	4	5	
Not Applicable	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree



Faculty had a sincere interest in individual students *

0 1 2 3 4 5
Not Applicable ☐ ☐ ☐ ☐ ☐ ☐ Strongly Agree

Faculty appeared to be genuinely concerned about students and their success in class *

0 1 2 3 4 5
Not Applicable ☐ ☐ ☐ ☐ ☐ ☐ Strongly Agree

Extensiveness

Faculty covered all the course syllabus in the time available *

0 1 2 3 4 5
Not Applicable ☐ ☐ ☐ ☐ ☐ ☐ Strongly Agree

Faculty discussed all the objectives and learning outcomes and what expected from students at the start of the course *

0 1 2 3 4 5
Not Applicable ☐ ☐ ☐ ☐ ☐ ☐ Strongly Agree

Faculty adequately discussed current developments in the field *

Not Applicable 0 1 2 3 4 5 Strongly Agree

☐ ☐ ☐ ☐ ☐ ☐

Examinations

Examinations papers were clearly written, and tested course content as stressed by the Faculty *

Not Applicable 0 1 2 3 4 5 Strongly Agree

☐ ☐ ☐ ☐ ☐ ☐

Methods of evaluating student work were fair and appropriate *

Not Applicable 0 1 2 3 4 5 Strongly Agree

☐ ☐ ☐ ☐ ☐ ☐

Feedback on examinations/tests was timely and valuable *

Not Applicable 0 1 2 3 4 5 Strongly Agree

☐ ☐ ☐ ☐ ☐ ☐

2/19/2020 KQRCEET Faculty Evaluation Form II-B.Tech II-Semester-CSE-A, A.Y. 2019-20-58

Assignments and quizzes were adequate and contributed to appreciation and understanding of subjects *

0 1 2 3 4 5

Not Applicable ☐ ☐ ☐ ☐ ☐ ☐ Strongly Agree

Types of assignments were formative and further enhanced the learning outcomes of the course *

0 1 2 3 4 5

Not Applicable ☐ ☐ ☐ ☐ ☐ ☐ Strongly Agree

Overall

As an overall rating, I would say I am very satisfied with the Faculty *

0 1 2 3 4 5

Not Applicable ☐ ☐ ☐ ☐ ☐ ☐ Strongly Agree

If any additional suggestions / comments

Your answer

[Back](#) [Next](#)

Page 9

2.2.2. Quality of internal semester Question papers, Assignments and Evaluation

- The department conducts two internal assessment tests in each semester.
 - ✓ Each test covers approximately half of the syllabus.
 - ✓ Maximum marks prescribed for the test is 25(descriptive 10, objective 10, assignment 5)
 - ✓ Final test marks are the average of 2 tests.
- Internal exam question papers are framed using verbs from Blooms Taxonomy
- The class/unit tests are conducted for the students using previous year university questions after completion of every unit.

- Students in every class are formed into group with a combination of advanced and slow learners in each group and Quiz, collaborative learning and debates are conducted as group activity
- Evaluation of every experiment is followed to improve students' performance in laboratory
- The evaluation scores obtained from semester internal exam and Continuous evaluation are mapped to

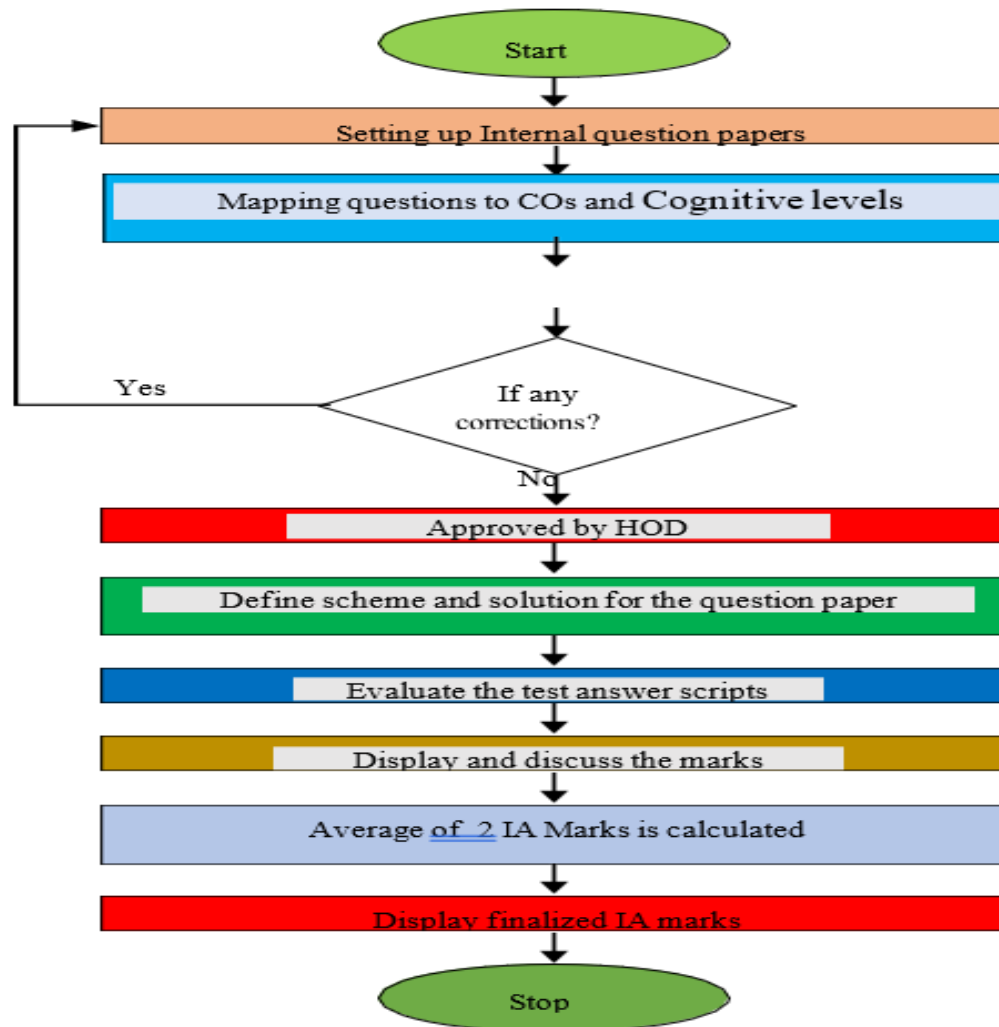


Figure: Process for internal assessment question paper setting and evaluation

Evaluation

- The faculty after every internal assessment test evaluates the Answer scripts in line with scheme and solutions. Further the solutions will be discussed in the class which will enable students to understand the mistakes.
- The average of the marks obtained from best two tests is chosen for the award of final internal assessment marks.



K. G. Reddy College of Engineering & Technology

(Approved by AICTE, Affiliated to JNTUH)

Chilkur (V), Moinabad (M), RR District

Name of the Exam: I Mid Examinations

September– 2018

Year-Sem & Branch: IV-I & CSE

Duration: 60 Min

Subject: Computer

Session

Answer **ANY TWO** of
Questions

Q.NO	QUESTION	Bloom's level	Course outcome
1	Explain the following business computer forensics technology a) Creating trackable electronic documents b) Forensic services available	Understand	CO1
2	Explain Back up and Recovery Solution (BRS) in detail	Understand	CO1
3	State and explain the responsibilities of certification	Understand	CO2

**Forensic
Date &**

the following
2X5=10

	authorities?		
4	Discuss the following: a) Types of evidence b) Volatile evidence c)Collection obstacles	Understand	CO2

Department of Computer Science and Engineering

Academic Year: 2017-2018

IV B.Tech Semester: I

SECTION: A

MID-I CO Attainment

Course Name: CF

Course Instructor:

Course Objectives:

- A brief explanation of the objective is to provide digital evidences which are obtained from digital media.

- In order to understand the objectives of computer forensics, first of all, people have to recognize the different roles computer plays in a certain crime.
- According to a snippet from the United States Security Service, the functions computer has in different kinds of crimes.

Course Outcomes:

CO1: Utilize a systematic approach to computer investigation.

CO2: Identify Locate & recover relevant electronic evidence from digital media using a variety of tools

CO3: Analyze various data acquisition tools for collecting digital evidence.

CO4: Identify email investigation

CO-PO & PSO Mapping:

	Program outcomes												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2	-	-	-	-	-	-	-	-	-	-	-	2	1	3
CO2	1	1	-	-	3	-	-	-	-	-	-	-	2	1	3
CO3	1	-	-	-	2	-	-	-	-	-	-	-	1	1	3
CO4	-	-	-	2	2	-	-	-	1	-	1	-	3	2	3

Legend

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

Course Attainment Levels

AY 2020-2021

Attainment Level	
Level 3	65 % students scoring more than or equal to 40% of marks
Level 2	55 % students scoring more than or equal to 40 % of marks
Level 1	45% students scoring more than or equal to 40 % of marks

IV B. TECH I SEMESTER (R13) COMPUTER SCIENCE & ENGINEERING I MID ASSESSMENT									
	Course Name: CF		Course Code: A70628		Name of the Faculty: L Raghu kumar				
	Roll No	Name of the Student	Q1(5)	Q2(5)	Q3(5)	Q4(5)	OBJECTIVE (10)	ASSIGNMENT (5)	Best 2 Total (25)
			CO1	CO1	CO2	CO2	CO1, CO2	CO1, CO2	
1	14QM1A0502	AKULA SAI MANISH	4		4		7	5	20
2	14QM1A0503	ALETI RAJITHA REDDY	4		4		8	5	21
3	14QM1A0504	AMIT NAYAK	4		4		8	5	21
4	14QM1A0505	ANKENAPALLY DEVATHI	5		5		7	5	22
5	14QM1A0506	ASHMITA JAISWAL	5		4		7	5	21
6	14QM1A0507	ATLURI NAGA SALAKRISHNA	5		4		8	5	22
7	14QM1A0509	B SRAVYA	5		5		10	5	25
8	14QM1A0510	BACHINAPPA DALA TRIPURA	5		5		10	5	25
9	14QM1A0511	SANJAY BHARGAV	5		5		8	5	23

10	14QM1A0512	BARIGALA SUSHMITHA	5		4		8	5	22
11	14QM1A0513	BARLAPALLY RAVALI	5		5		10	5	25
12	14QM1A0514	BOINAPALLY LALASA	5		5		8	5	23
13	14QM1A0515	BOLLARAM RAVIKANTH REDDY	5		4		9	5	23
14	14QM1A0516	BUDDANNAGARI JAIPAL REDDY	3		3		9	5	20
15	14QM1A0517	CHAKALI VENKATESH		5	5		7	5	22
16	14QM1A0518	CHOPPARAPU BHARATH KALYAN JAGAPATHI NAIDU		5	5		8	5	23
17	14QM1A0519	D AJAY KUMAR		2	3		8	5	18
18	14QM1A0520	DHANARAPU SHRAVYA		5	5		8	5	23
19	14QM1A0521	DHARMAPURI HIMABINDU		5	5		10	5	25
20	14QM1A0522	G RAMYA SHREE		4	3		8	5	20
21	14QM1A0523	GANNABATHUL A JAGADESHWARI	5		5		9	5	24

22	14QM1A0524	GANDHAM SNEHA	5		5		10	5	25
23	14QM1A0525	GANESH	5		5		8	5	23
24	14QM1A0526	GANJI SRIKANTH	5		5		10	5	25
25	14QM1A0527	GOTIKE ARCHANA	5			5	8	5	23
26	14QM1A0528	GUNDLE MANJEET UMESH	2			2	5	5	14
27	14QM1A0529	GUNDOJI SANDEEP KUMAR	2			3	7	5	17
28	14QM1A0530	GUPTA RAJAT	5			4	8	5	22
29	14QM1A0531	JARPLA SHIVA KUMAR	5		5		9	5	24
30	14QM1A0532	JEJALA MOUNIKA	5			5	9	5	24
31	14QM1A0534	K SHARATH KUMAR	2		3		8	5	18
32	14QM1A0535	K SIRISHA	5		5		8	5	23
33	14QM1A0536	KANNEDARI GOPI KRISHNA	5		5		10	5	25
34	14QM1A0537	K.SHIVANGINI REDDY	5		5		10	5	25
35	14QM1A0538	KOTTAMS SINDHU REDDY	3		3		8	5	19

36	14QM1A0542	KAPILAVAI PRATHYUSHA	5		5		10	5	25
37	14QM1A0544	KAVALI SWATHIRAJ	5		4		8	5	22
38	14QM1A0545	KAVELI SRAVANTHI REDDY	5		5		9	5	24
39	14QM1A0547	KOMPALLY SRAVYA	2		2		8	5	17
40	14QM1A0548	KONDA PRASANTH GOUD	3		2		8	5	18
41	14QM1A0549	KOPPARAPU YASHWANTH	5		5		10	5	25
42	14QM1A0550	KOPPELA RAGHUVeer REDDY	3		3		8	5	19
43	14QM1A0551	KORANDLA ABHISHEK REDDY	1		1		8	5	15
44	14QM1A0552	KOTTAM SAI CHARAN REDDY	1		1		8	5	15
45	14QM1A0553	KRISHNA MOORTHY	5		5		8	5	23
46	14QM1A0555	M SAINATH REDDY	5		4		7	5	21
40% Marks (Threshold Level)			2M	2M	2M	2M	4M	2M	

No of Students Attempted the Question (X)	40	6	41	5	46	46	
Number of Students >=40% Marks (Y)	38	6	39	5	46	46	
Percentage of Students attaining >=40% Marks (Y/X*100)	92.68%	100%	95.12%	100%	84.78%	100%	
Attainment level	3	3	3	3	3	3	
CO3 Attainment	5*3/17	5*3/17			5*3/17	2*3/17	
CO4 Attainment			5*3/18	5*3/18	5*3/18	3*3/18	

Gap Analysis:

Cos	Attainment Percentage	Target	Target in Level	Attainment in Level	Gap= Attainment in Level- Target in Level
CO3	100	65	3	3	0
CO4	100	65	3	3	0

Action Taken Report:

Cos	Action Report
CO3	Attained
CO4	Attained

Calculation Formula for Course Attainment

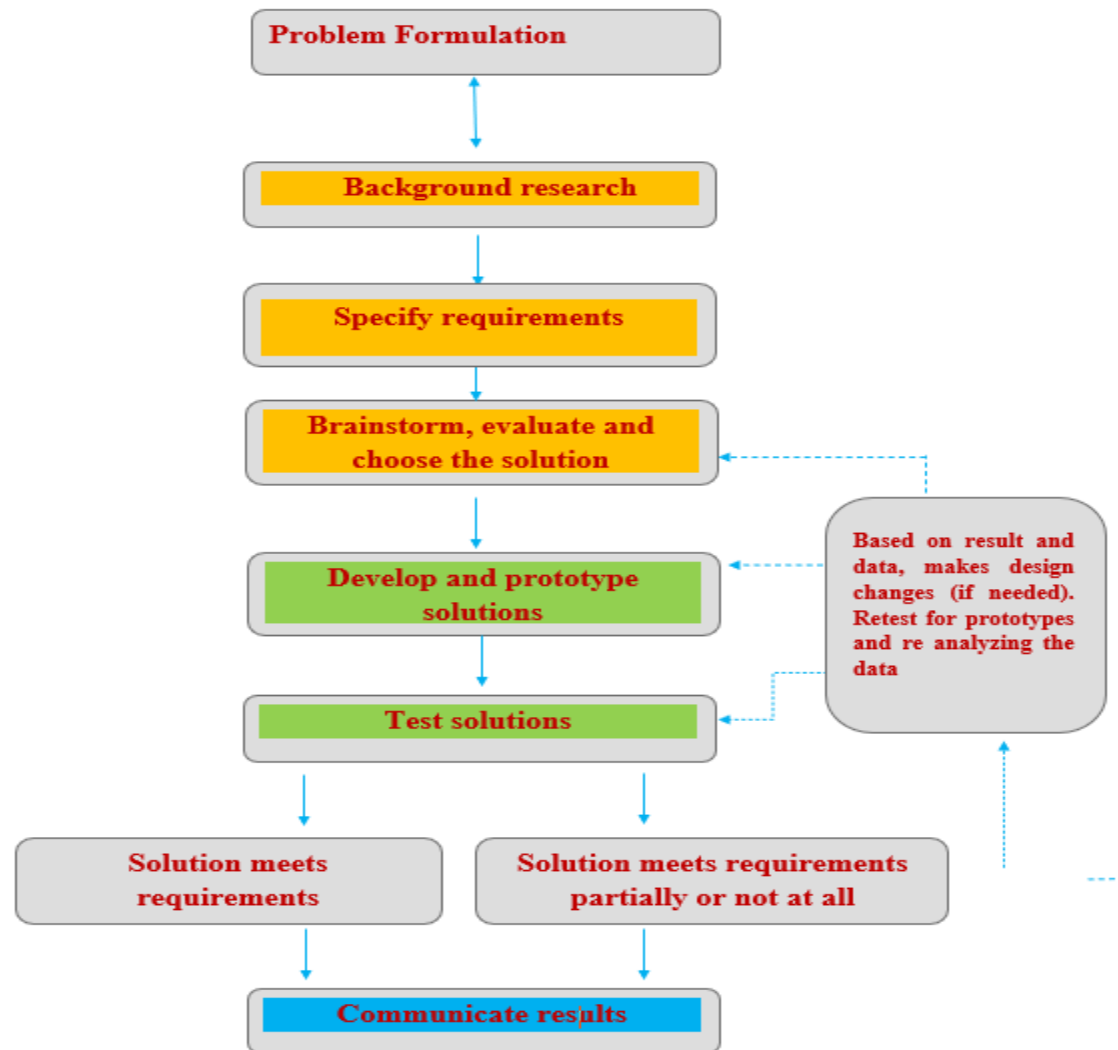
$$\text{Course Outcome Attainment} = \frac{[(\text{Question1 marks} * \text{Attainment}) + (\text{Question2 marks} * \text{Attainment}) + \dots]}{\text{Total marks allotted for that Course Outcome}}$$

2.2.3. Quality of student projects.

Process for allocation of Student project:

1. A notification shall be issued to all final year students at the start of IV-year II semester to submit the area of interest for the selection of main Project Work.
2. Formation of students group should be done where each group comprises of 3-5 students.
3. The areas of interest are selected based on various domains focused on recent trends of engineering science and Technology.
4. The guide shall be allotted based on domain chosen by students.
5. The implementation of the Project Design can be done in 05 Stages
 - Problem formulation
 - Problem solving
 - Design/coding
 - Communicating results
 - Reflections
6. Each Stage is divided in to Sub-categories by creating rubrics for assessing the projects.
7. In the initial stage of Problem formulation students have to come up with Problem Statement.
8. An initial review will be conducted on the selection of the project and problem formulation.
9. From the review considerations the groups start-up the Project work with the next stage of Engineering design process.
10. In the second stage students start working on problem solving by literature survey, Specification and Data analysis.
11. In the third stage students start implementing the Design process like Building/coding, Testing and Iteration.
12. Next stage is communication of results with Oral Presentation and Documentation.
13. At the end student reflections are observed which help them to improve on future performance by analyzing what they have learned Reflections
14. All these stages will be reviewed by Project Review Committee (PRC). The Project internal evaluation shall be done by conducting Reviews by the PRC consisting of Head of the Department, Project coordinator, concerned guide and two senior faculty members from the department.
15. The projects are converted into prototype. Projects are extended with new ideas and pursued as a new proposal.
16. While designing the project safeties are considered in High voltage sources and rotatable modules like motors to avoid any shock/hurt like harm to human by using safety techniques.

Projects Evaluation Framework



Project Review Committee (PRC) for Department of Computer Science and Engineering

Academic Year: 2019-20

Project Review Committee (PRC)

Semester: I

S. No	Name of faculty	Designation	Position	Signature
1	Dr. Hansaraj Shalikram Wankhede	HOD	Chairman	
2	Dr. Hemanta Kumar Bhuyan	Associate professor	Coordinator	
3	K. Ramakrishna Reddy	Associate professor	Member	
4	Mrs. Sowjanya Ramishetty	Associate professor	Member	
5	Mr. Raghu Kumar Lingamallu	Associate professor	Member	
6	B N Jyothi	Assistant professor	Member	

2.2.3. C Process for monitoring and evaluation

Parameters for assessing the quality of project:


Methodology:

The quality of project is measured in terms of factors including safety, environment, ethics, cost and type of the project. The best project evaluation method is as follows.

S. No.	Factors Considered
1.	Application to Society
2.	Idea and Innovation
3.	Cost Factor
4.	Type of the Project
5.	Awareness of Standards
6.	Awareness of Ethics
7.	Safety Factor


2. Major Project Schedule for final year for the Academic Year 2019-2

S. No.	Project Phase to be Completed	Last Date
1	Submission of project abstracts and getting confirmation of projects titles by the students	6-1-2020
2	Project Review1: Abstract presentation (Student should be in a position to explain the overview of the Problem statement)	23-1-2020
3	Project Review2: Presentation on Designing (Student should be in a position to explain UML diagrams of the project)	14-2-2020
4	Project Review3: System Implementation	20-03-2020
5	Final Review (Student should be in a position to execute the project and should show the result of the project)	10-4-2020
6	Documentation (documentation should be submitted in the department)	10-4-2020
7	Viva-voice (Mock)	13-4-2020

<div>  K.G REDDY COLLEGE OF ENGINEERING & TECHNOLOGY (CHILKUR (VIII), MOINABAD (Mandal), R.R-District, T.S -501504) DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING B.TECH MAJOR PROJECTS SCHEDULE FOR THE A.Y 2019-2020 Date: 31-12-2019 </div>			
Sl. No	PROJECT PHASE TO BE COMPLETED	DATE	PROJECT TEAM
1	Submission of Project Titles and Abstracts	06-01-2020 Saturday	ALL TEAMS
2	Presentation on Abstracts and Approval of the projects by the HOD / PRC	09-01-2020 Thursday	ALL TEAMS
3	System Analysis: Submission of the detailed Functional / Performance Requirements of the System (SRS)	23-01-2020 Thursday	ALL TEAMS
4	PROJECT REVIEW - I (Up to SYSTEM ANALYSIS Phase)		
5	System Design : Submission of the detailed design docs , UML diagrams / Structure charts/ Data Flow / Control Flow Diagrams etc	14-02-2020 Friday	ALL TEAMS
6	PROJECT REVIEW -II (Up to SYSTEM DESIGN Phase)		ALL TEAMS
7	I-MID EXAMINATIONS	10-02-2020 TO 12-02-2020	
8	System Implementation-I : Submission of the source code of the System	25-02-2020 Tuesday	ALL TEAMS
9	PROJECT REVIEW -III System Implementation-II : Submission of the source code of the	20-03-2020 Friday	ALL TEAMS
10	System Testing: Execution of the System and submission of Test Report / Test cases	03-04-2020 Friday	ALL TEAMS
11	FINAL PROJECT REVIEW (Complete System Review)		
12	Submission of the rough (spiral bound) copy of the project documentation and get approval for final book binding from HOD/PRC	10-04-2020 Friday	ALL TEAMS
13	Submission of the final Project Report (black book binding) copy	ON or BEFORE , 13-04-2019 Monday	ALL TEAMS
14	II-MID EXAMINATIONS	08-04-2020 TO 11-04-2020	

Note:

1. The schedules will be followed strictly. Any change in the schedule (due to unforeseen events), will be communicated all concerned by CIRCULARS.
2. All the students are instructed to meet your respective project guides and submit the progress reports time to time.
3. Irregular students who do not meet the mandatory academic reviews and presentations will not be allowed to submit projects with the current batch.


 HEAD OF THE DEPARTMENT
 DEPT. OF COMPUTER SCIENCE & ENGINEERING
 K.G. REDDY COLLEGE OF ENGINEERING & TECHNOLOGY
 CHILKUR (V), MOINABAD, R.R. DIST.501 504.

RUBRICS FOR PROJECTS EVALUATION					
Stages	Criteria	Advanced (4)	Proficient (3)	Developing (2)	Novice (1)
PROBLEM FORMATION (4M)	Problem Statement (4M)	Complete understanding of the problem; the problem statement is well written.	Better understanding of the problem; the problem statement is clearly written.	Minimal understanding of the identified problem and domain knowledge is less.	No understanding of the problem; The problem statement is not provided or if provided, it may be unclear.
PROBLEM SOLVING (6M)	Background Research & Idea Generation (2M)	Background information on the problem includes narrative with references of general professional or research literature. The students are clear with purpose, scope and objectives of the identified problem and its domain.	Background information on the problem includes narrative with some references of general professional or research literature. The students are clear with purpose, scope and objectives of the identified problem and its domain.	Background information on the problem includes narrative but no references of general professional or research literature. Purpose and scope still need to be improved. Objectives look very vague.	Background information on the problem is not provided the purpose and scope of the work are relating to the statement problem statement.

	Specifications & Constraints (2M)	Describe in clear, unambiguous terms the functional requirements of the system. Provide a sufficient level of detail for designers to design a system satisfying these requirements and testers to verify that the system satisfies requirements.	Describe in clear, unambiguous terms the functional requirements of the system. Provide a sufficient level of detail for designers to design a system satisfying these requirements and testers to verify that the system satisfies requirements	Describe in clear, unambiguous terms the functional requirements of the system. Provide a sufficient level of detail for designers to design a system satisfying these requirements and testers to verify that the system satisfies requirements.	Very few functional requirements are identified and use cases are not written with descriptions.
	Data Analysis (2M)	The relationship between the variables is discussed and logically analyzed.	The relationship between the variables is discussed and logically analyzed, no further predictions are made.	The relationship between the variables is discussed but not logically analyzed, no further predictions are made.	The relationship between the variables is not discussed & presented
DESIGN / CODING (6M)	Building / Coding (2M)	Analytical and/or physical models fully found the entire design	Analytical and/or physical models found most design subsystems	Analytical and/or physical models found on few design subsystems	No analytical and/or physical models developed of the design
	Testing (2M)	Testing and analysis plan used as an overarching guide	Testing and analysis plan present but only followed loosely	Testing and analysis plan present but not referenced	No testing plan or analysis plan has been generated

	Iterations (2M)	Students complete their project, having improved the design over time	Students undertakes 1 or more iterations of their project, improving the design	Students attempts to make an iteration on the design of the project, but is unsuccessful in any improvement	Students do not attempt to iterate or make any changes on their initial
COMMUNICATING RESULTS(6M)	Oral Presentation (4M)	Well organized, Proper subject knowledge, usage of graphics, proper eye contact, and great Elocution.	Well organized, Proper subject knowledge, usage of graphics, proper eye contact, but speech is not clear	Well organized, Proper subject knowledge, no usage of graphics, no proper eye contact, but speech is not clear	Not well organized and unclear presentation
	Report Submission (2M)	Solution presented concisely with clarity and accuracy. Extensive supporting evidence on how the solution meets the task criteria.	Solution presented accurately. Some supporting evidence on how the solution meets the task criteria need to be improved	Solution presented with limited accuracy. Limited supporting evidence on how the solution meets the task criteria.	Not well organized and the guidelines are not followed
DOCUMENTATION (3M)	Use of Engineering Design Process (2M)	Make connections among all the stages of engineering design process to connect theory and real experiences. Well-articulated the impact of the process in developing skills	Make connections among all the stages of engineering design process to connect theory and real experiences. Articulation of the impact of the process in developing skills is nor done	All the stages are not effectively utilized. Articulation of the impact of the process in developing skills is nor done	No articulation of the self-involvement, no impact of Engineering design process on personal growth

	Self-Improvement (1M)	Demonstrates through and penetrating understanding of key concepts, exhibits copious evidence of attainment of skills	Demonstrates a adequate understanding of key concepts, exhibits adequate evidence of attainment of skills	Demonstrates a partial understanding of key concepts, exhibits some evidence of attainment of skills	Demonstrates a little understanding of key concepts, exhibits minimal evidence of attainment the skills
--	------------------------------	---	---	--	---

List of Best Projects:

The following projects are identified as best projects recommended by Project Review Committee (PRC).

Year	Title of the Project	Development of Prototype/ Model (10)	Presentation (10)	Innovativeness (10)	Usage of Modern Tool (10)	Q&A (10)	Total Marks	PO's, PSO's Mapping
2018-2019	Dual server public key encryption with keyword search for secure cloud storage	10	10	10	10	10	50	PO1, PO2, PO3, PO5, PO12 PSO1, PSO3
	Nearest keyword set search in multi-dimensional datasets	10	10	10	10	10	50	PO1,PO2, PO3,PO5, PO9, PO10, PO12 PSO1,PSO2, PSO3
	Cyber Bullying detection based on semantic enhanced marginalized demising auto - encoder	10	10	10	10	10	50	PO1,PO2, PO3,PO5, PO9, PO10, PO12 PSO1,PSO2, PSO3
	Connecting social	10	10	10	10	10	50	PO1,PO2,

	media to E-Commerce: cold - start products Recommendation using Micro blogging information							PO3,PO5, PO9, PO10, PO12 PSO1, PSO2, PSO3
2017-2018	Smart Farming	10	10	10	10	10	50	PO1, PO2,PO3, PO5,PO7, PO8, PO12 PSO1,PS O2, PSO3
	Gas leakage control system	10	10	10	10	10	50	PO1,PO2, PO3,PO5, PO9, PO10, PO12 PSO1,PS O2, PSO3
	NESSUKA - checks purity of the water	10	10	10	10	10	50	PO1,PO2, PO3,PO5, PO9, PO10, PO12 PSO1,PS O2, PSO3

	Privacy Protection and integration for health information exchange based on cloud computing system	10	10	10	10	10	50	PO1,PO2, PO3,PO5, PO9, PO10, PO12 PSO1,PS O2, PSO3
2016-2017	Budget control system	10	10	10	10	10	50	PO1,PO2, PO3,PO5, PO9, PO10, PO12 PSO1,PS O2, PSO3
	Multivariate analysis using R programming	10	10	10	10	10	50	PO1,PO2, PO3,PO5, PO9, PO10, PO12 PSO1,PS O2, PSO3

Impact analysis of Projects

- Improvement in abilities and skills of students.
- Knowledge on various aspects of project management was developed.
- Confidence level of the student was boosted.

- Improvement team work spirit.
- Implementation and deployment of the project for social benefits.
- Document preparation and presentation.

List of Paper Publications by Students 2019 -2020 (CAY)

S.No	Name of Student	Title of Paper	Name of Journal	ISBN/ISSN Number	Approved Journal	Link
1.	G Shanya Psalms	Forced Convective Heat Flow of a Liquid for Different Depths of The Channel with A Constant Heat Source	ADALYA	1301-2746	UGC	http://adalyajournal.com/gallery/2-july-1608.pdf
2.	G Srujana	Forced Convective Heat Flow of a Liquid for Different Depths of The Channel with A Constant Heat Source	ADALYA	1301-2746	UGC	http://adalyajournal.com/gallery/2-july-1608.pdf

2.2.4. A. Industry supported laboratories

S.No	Lab Name	Details	Utilization	Areas in which students are expected to have enhanced learning	Relevance to POs /PSOs
1	IOT Maker Space		Students are developing prototypes of projects.	IOT	PO1,PO2,PO3,PO5,PO9, PO10, PO12 PSO1, PSO2, PSO3

2.2.4. B. Industry involvement in the program design and partial delivery of any regular courses for students

The Department Advisory Board (DAB) is responsible for complete program design by selecting the required curriculum which suits for meeting program outcomes, program specific outcomes and program educational objectives. The curriculum design or revision is carried out by the members of the DAB. The DAB is constituted with industry experts, professors from premier universities and senior faculty members of the department.

1. Training Programs/Workshop Offered in Academic Year 2019-20

S.No	Name of the Programme	From Date	To Date	Resource Person
1	Boot Camp on Block Chain Technology	08/11/2019	09/11/2019	Mr. Pankaj Diwan, Idea Labs
2	Block Chain	27/10/2019	27/10/2019	Mr.Jaya Prakash Arjarapu, Oracle Pvt. Ltd
3	Python Programming (GUI Programming, Web Programming	5/10/2019	5/10/ 2019	Mr.S. Venkateshwarlu, Associate Professor, VidyaJyothi Institute of Technology, Hyderabad
4	Grid Computing, Parallel Computing, and Distributed Computing	11/03/2019	11/03/2019	Mr.Clayton S. Ferner, Dept of Computer Science, North Carolina.
5	Fundamentals of Python Programming	19/08/2019	24/08/2019	Mr.RameshwariEngurthi, NIIT, Hyderabad
6	Advanced C Programming	Aug-Nov	2019-20	Dr. C. Basavraj
7	OOPs Through Java	Aug-Nov	2019-20	Mrs. B.N. Jyothi

2. Training

Programs/Workshop Offered in Academic Year 2018-19

S.No	Name of the Programme	From Date	To Date	Resource Person
1	Software Quality Management	2/11/2018	2/11/2018	Mr.R. Sravan, Assistant Professor, MGIT
2	Web development using python on DJANGO	28/01/2019	02/02/2019	Mr.Subba Raju
3	Machine Learning and Artificial Neural Network	22/02/2019	27/02/2019	Dr SaratChandraNaik
4	Deep Neural Network	11/03/2019	16/03/2019	Dr. Sarat Chandra Naik
5	Oracle Database Programming	22/10/2018	26/10/2018	Mr. Vamshi
6	MTA DBF (Microsoft Technical Associate database fundamentals)	27/08/2018	01/09/2018	Mr.Mrunthyunjaya Menda
7	Internet of Things (IOT)	11/02/2019	16/02/2019	Dr. Sudher Ranjan Patnaik

3. Training Programs/Workshop Offered in Academic Year 2017- 2018 CAYm2

S.No	Name of the Programme	From Date	To Date	Resource Person
1	Web Designing	15/02/2018	17/02/2018	Mr. Y Naveen Reddy Mr. Naveen Gude
2	DBA Workshop	30/10/2017	31/10/2017	Dr. M Raja Sekar
3	Python Programming Work Shop	18/09/2017	20/09/2017	Mr. Hari Krishna Mrs. Sai Lata
4	Cloud Computing Workshop	22/08/2017	23/08/2017	Mr. Naveen Kumar Mr. Sagar Kumar
5	Oracle Database	12/08/2017	16/08/2017	Mr. Vamshi
6	Big Data using Hadoop	27/02/2018	03/03/2018	Mr. Randeep

				Mr. Naresh
7	Python on Conda environment	12/03/2018	17/03/2018	Mr. Subba Raju
8	Database Programming with SQL	30/10/ 2017	03/11/2017	Mr. Vamshi,Cognizant Hyderabad
9	Cloud Computing & Security	08/01/2018	12/01/2018	Dr.Sudher Ranjan Patnaik

2.2.4. C. Impact analysis of industry institute interaction and actions taken thereof

- Students gained from this exposure to incorporate an entrepreneurial spirit and project-based thinking.
- The effectiveness of this practice can be gauged by the great response of the participants of the workshops.
- Students picked up what they learnt at the workshops to implement their own mini project and also final year projects.

2.2.5-A. Initiatives related to industry interaction

The department of Computer Science and Engineering entered interaction/MOUs with the following industries.

1. List of MOUs for the Academic Year (2018-19)

S.No	Organization Name	Domain	Duration	Status
1	Andura Tech Solutions Pvt. Ltd.	CSE	Two Years	Active
2	Pactolus Edutech Pvt. Ltd.	CSE	Two Years	Active
3	Kalinga Software Pvt. Ltd.	CSE	Two Years	Active
4	Bias IT Consulting Pvt. Ltd.	CSE	Two Years	Active
5	Advit Software & Business Solutions Pvt. Ltd.	CSE	Two Years	Active

6	Sesillis Solutions Pvt. Ltd.	CSE	Two Years	Active
7	ScrapQ IT Hub Pvt. Ltd.	CSE	Two Years	Active
8	Syscon Solutions Pvt. Ltd.	CSE	Two Years	Active
9	Bomotix Pvt. Ltd.	CSE	Two Years	Active

2. List of MOUs for the Academic Year (2017-18) CAYm2

S. No.	Organization Name	Domain	Duration	Status
1	Electrono Solutions Pvt Ltd	CSE	One Year	Active
2	Krishna Arts Village Creative Garments Ovt Ltd	Institutional	One Year	Active
3	Yagna Technologies Pvt Ltd	CSE	One Year	Active
4	Ims Learning Resources Pvt Ltd	Institutional	One Year	Active
5	Ark Infosolutions Pvt Ltd	Institutional	One Year	Active
6	Bias IT Consultancy Pvt Ltd.	CSE	One Year	Active
7	Advit Software and Business Solutions Pvt Ltd	CSE	One Year	Active
8	Pactolus Edutech Pvt Ltd	CSE	One Year	Active
9	NIIT	CSE	One Year	Active
10	Kalinga Software Pvt Ltd	CSE	One Year	Active
11	Minds Solvit Pvt Ltd	CSE	Five Years	Active
12	System Solution Pvt Ltd	CSE	One Year	Active
13	Blipkart Online Services	Institutional	Three Years	Active
14	Mobile Tutor Pvt Ltd	Institutional	Five Years	Active

3. List of MOUs for the Academic Year (2016-17) CAYm3

S. No.	Organization Name	Domain	Duration	Status
1	Armtronics Pvt Ltd	CSE and ECE	Three Years	Active

Academic Year (2016-

2	Webcognize Softech Pvt Ltd	CSE and ECE	Three Years	Active
3	Blipkart online services	Institutional	Three Years	Active

Unique features/key accomplishments of partnerships established with industry:

- Establishing state of the art facilities on campus to enable the students to undergo industry relevant specific specialization.
- Opportunities for staff and students to visit industries/industry persons visit the college campus.
- Providing opportunities for the students to develop their skills in field related applications helping them to become entrepreneurs.
- Opportunity for doing research with creative ideas for industry relevant applications covering varieties of domains.
- Designing & organizing customized training programs to fulfill the specific training needs of industrial personnel.

2.2.5. B. Industrial Visits

Industrial visit helps students to understand the real time work in any organization and also helps them understand the applications of knowledge acquired in their curriculum. The visit explores them to various fields where a student can apply one's own practical thoughts. In certain cases, student have the ability to learn beyond the syllabus through interaction with the industries.

List of Industrial visits provided for students

S. No.	Title of the Industry	Industry Representative	Academic Year	Date of Visit	Year-Semester	No. of Students Visited	Faculty Coordinator
1	Caliber Technology, Sanath Nagar, Hyderabad	Dr. Raghunadhan, Director Aparna, CEO, Mr. Naresh, HR Dr. Nivedhitha, Employee	2019-20	20- 02-20	III-II	35	Mrs. S. Divya Dr.S. Srinivas

2	T-HUB, Gachibowli	Mr.Ganesh and Ms. Priyanka Ravala	2019-20	30-10-19	IV-I	50	Mrs. B.N. Jyothi
3	IDEA LABS, Future Tech Ventures, Hyderabad	Mrs. Saba	2019-20	22-08-19	IV-I	32	Mrs. R. Hima Sagarika Mrs.M. Jyothi
4	Infosys SEZ Pocharam Campus, Ghatkesar, Hyderabad	Mr. Kumar	2018-19	10-04-19	III	36	Ms. M. Jyothi Ms. Sonam Sharma Mr. Joy Kumar
5	ISRO,Srihari kota,Nellore(District), AP	Mr.Vasu	2017-18	26-02-2018	III	35	Ms.Krushima
6	Infosys SEZ Pocharam Campus, Ghatkesar, Hyderabad	Mr. Niwas	2017-18	08-09-2017	IV	70	Mr.L.Raghu kumar Mr.K.Ramakrishna reddy

2.2.5.B Student Internships for Academic Year 2019-2020

S. No	Roll No	Name of the Student	Internship/ Training	Title/Topic	Durati on	Organization
----------	---------	------------------------	-------------------------	-------------	--------------	--------------

1	16QM1A0556	M.Snehitha	Internship	A User Centric Machine Learning Frame work for Cyber Security Operations Center	30 days	Cyber soft systems limited
2	16QM1A0514	C. Vamshi Krishna	Internship	A User Centric Machine Learning Frame work for Cyber Security Operations Center	30 days	Cyber soft systems limited
3	16QM1A0508	A. Arun Kumar	Internship	A User Centric Machine Learning Frame work for Cyber Security Operations Center	30 days	Cyber soft systems limited
4	16QM1A0522	D Abhilash	Internship	A User Centric Machine Learning Frame work for Cyber Security Operations Center	30 days	Cyber soft systems limited
5	16QM1A0525	G Vamshi Krishna	Internship	A User Centric Machine Learning Frame work for Cyber Security Operations Center	30 days	Cyber soft systems limited
6	16QM1A0539	K Rohith Kumar	Internship	A User Centric Machine Learning Frame work for Cyber Security Operations Center	30 days	Cyber soft systems limited
7	16QM1A055	M Hemanth	Internship	A User Centric Machine Learning Frame work for Cyber Security Operations Center	30 days	Cyber soft systems limited

Student Internships for Academic Year 2018-2019

S. No	Roll No	Name of the Student	Internship/Training	Title/Topic	Duration	Organization
1	16QM1A0586	S.V. Shashank	Internship	Towards Effective Bug Triage with Software Data Reduction Technique	30 days	MANAC Info Tech Limited
2	16QM1A0582	S Shruthi	Internship	A User Centric Machine Learning Frame work for Cyber Security Operations Center	30 days	Cyber soft systems limited
3	16QM1A0583	S Chandrika	Internship	A User Centric Machine Learning Frame work for Cyber Security Operations Center	30 days	Cyber soft systems limited

2.2.5. C Impact analysis of industrial training

- Students gain professional skills in areas such as communication, team building, problem solving and analytical reasoning.
- Students will experience significant improvement in critical thinking and problem-solving skill after their industrial training.
- Students gain insights into career options to support choice of specialized field area to build and develop one's career.
- Students will experience significant improvement in team working skill after their industrial training.

Impact Analysis of Industrial visit

- Students are exposed to real time practical experience of the concepts studied in the classrooms and realized the practical importance of the subjects.
- Industrial visit creates more interest in the subjects.

- Students will be inspired to do hard work and get placed in such industries.
- Students were exposed to the industry standards and workplace culture.

2.2.5. D Students feedback on initiative

- At the end of the internship/program feedback reports are collected from students to analyze the impact of the activity.
- Feedback form is a collection of questions which will focus on every aspect of the program.
- After collecting the feedback, the faculty will assess each question to take appropriate action.

3 COURSE OUTCOMES AND PROGRAM OUTCOMES (120)

Total Marks 120.00

Define the Program specific outcomes

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

Total Marks 20.00

PSO1	Problem Solving Skills – Graduate will be able to apply computational techniques and software principles to solve complex engineering problems pertaining to software engineering.
PSO2	Professional Skills – Graduate will be able to think critically, communicate effectively and collaborate in team through participation in co and extra-curricular activities.
PSO3	Successful Career – Graduates will possess a solid foundation in computer science and engineering that will enable them to grow in their profession and pursue lifelong learning through Post graduation and professional development.

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) (5)

Institute Marks : 5.00

ACADEMIC BATCH: 2015-2019

I YEAR AY: 2015-2016

COURSE NAME/ CODE	CO	CO STATEMENTS
ENGLISH A10001	C101.1	Describe the speaking ability in English both in terms of fluency and comprehensibility
	C101.2	Apply the ability to write academic papers, essays and summaries using the process approach.
	C101.3	Evaluate the performance in the four modes of literacy such as writing, speaking, reading and listening
	C101.4	Develop the ability as critical readers and writers
MATHEMATICS-I A10002	C102.1	Evaluate radius of curvature and derivatives of arc length to obtain Taylor's & Maclurin series,
	C102.2	Apply the partial differentiation to find Total derivative and Jacobians of a given multivariable functions.
	C102.3	Use the Vector differential operator on scalar and vector point functions.
	C102.4	Develop various methods of the differential equation to solve first-order linear ODE and its applications
MATHEMATICAL METHODS A10003	C103.1	Develop nonlinear equations using analytic methods.
	C103.2	Use mathematics concepts in real world situations.
	C103.3	Apply ratio and proportion to problems in health sciences.
	C103.4	Use basic algebra and geometry to problems in radiological science
ENGG PHYSICS A10004	C104.1	Design reversible and irreversible processes of heat engine
	C104.2	Apply Integral and differential forms of Faraday's law in Electromagnetism material
	C104.3	Use principle of propagation of light in optical fibers
	C104.4	Describe quantum physics in electrical phenomena
ENGG CHEM A10005	C105.1	Develop innovative methods to produce soft water for industrial use and potable water at cheaper cost.
	C105.2	Use substitute metals with conducting polymers and also produce cheaper biodegradable polymers to
	C105.3	Design economically and new methods of synthesis nano materials.

	C105.4	Apply their knowledge for protection of different metals from corrosion
COMPUTER PROGRAMMING A10501	C106.1	Use documented solutions to troubleshoot problems associated with software installation and
	C106.2	Develop, test, document, deploy, and maintain secure program code based on specifications.
	C106.3	Apply knowledge of networking concepts to develop, deploy, and maintain program code.
	C106.4	Use relevant methodologies, policies, and standards to develop secure program code
ENGINEERING DRAWING A10301	C107.1	Use drawing for the shapes, angles and lines for essential of engineering application
	C107.2	Develop the imagination to represent the shape size and specifications of physical objects.
	C107.3	Apply three-dimension objects on the paper and draw the pictorial drawings.
	C107.4	Explain the principle of projection and sectioning
COMPUTER PROGRAMMING LAB A10581	C108.1	Develop appropriate data structures as applied to specified problem definition.
	C108.2	Implement operations like searching, insertion, and deletion, traversing mechanism etc. on various data
	C108.3	Develop Linear and Non-Linear data structures.
	C108.4	Apply appropriate sorting/searching technique for given problem.
ENGINEERING PHYSICS / ENGINEERING CHEMISTRY LAB. A10081	C109.1	Develop the energy gap of a given semiconductor.
	C109.2	Determine the Dielectric constant and Curie temperature of PZT material
	C109.3	Describe the bending losses in a given optical fibers
	C109.4	Use the carrier concentration, mobility of charge carrier in Semiconductor
ENGLISH LANGUAGE COMMUNICATION SKILLS LAB. A10082	C110.1	Use nuances of English language through audio- visual experience and group activities
	C110.2	Apply Neutralization of accent for intelligibility
	C110.3	Develop speaking skills with clarity and confidence which in turn enhances their employability skills.
	C110.4	Describe the vocabulary concept in drafting
IT WORKSHOP / ENGINEERING WORKSHOP A10082	C111.1	Use advanced hardware device for different architecture application.
	C111.2	Sketch the block diagram of the CPU along with the configuration of each peripheral.
	C111.3	Describe different solution available in the field of networking application development based on existing
	C111.4	Apply the tools for preparation of PPT, Documentation and budget sheet etc

ACADEMIC BATCH: 2015-2019

II YEAR I SEM AY: 2016-2017

COURSE NAME/ CODE	CO	CO STATEMENTS
PROB.& STAT A30008	C201.1	Apply knowledge of mathematics & probability techniques in engineering problems.
	C201.2	Analyze the problems using Probability distributions.
	C201.3	Illustrate the methods of sampling in estimation of hypothetical values.
	C201.4	List various sampling tests for testing the hypothetical environment.

MFCS A30504	C202.1	Apply mathematical logic to solve engineering problems
	C202.2	Use the basic terminology of functions, relations, sets and algebraic structures along with their associated
	C202.3	Analyze the basic concepts of permutations, combinations, discrete probability, and conditional
	C202.4	Develop induction proof techniques towards solving recurrences and other problems in elementary
DATA STRUCTURES A30502	C203.1	Use appropriate data structures to represent data items in real world problems
	C203.2	Analyze the time and space complexities of algorithms
	C203.3	Design programs based on variety of data structures such as stacks, queues, hash tables, binary trees,
	C203.4	Analyze various kinds of searching and sorting techniques
DIGITAL LOGIC DESIGN A30401	C204.1	Use Boolean algebra theorems, Properties and Canonical form for digital logic circuit design
	C204.2	Apply K-Maps and Tabulation methods for Simplification of Boolean expressions and construct logic
	C204.3	Design Combinational logic circuits based on Adders, Subtractors, Decoders, Multiplexers and Magnitude
	C204.4	Design Sequential logic circuits using Flip-flops, Shift registers, Counters and Memory unit
ELECTRONIC DEVICES AND CIRCUITS A30404	C205.1	Recognize the transport phenomena of charge carriers in a semiconductor.
	C205.2	Analyze the different types of diodes, operation and its characteristics.
	C205.3	Apply different types of filters in AC to DC conversion.
	C205.4	Describe Bipolar Junction Transistors and Field Effect Transistors for circuits.
BASIC ELECTRICAL ENGINEERING A30202	C206.1	Analyze different types of electrical circuits.
	C206.2	Compare the principle of working for different types of Machines
	C206.3	List the techniques to measure efficiency and regulation of AC Machines
	C206.4	Use the working of electrical and electronics measuring instruments.
ELECTRICAL & ELECTRONICS LAB A30282	C207.1	Use the principle of working of different types of DC Motors
	C207.2	Analyze the characteristics of different electronic devices such as Diodes and Transistors.
	C207.3	Apply different operations for simple circuits like Rectifiers
	C207.4	List the features of DC Motors
DATA STRUCTURES LAB A30582	C208.1	Evaluate the performance of data structures by linked list.
	C208.2	Analyze the solution of searching & sorting techniques.
	C208.3	Apply graph traversal techniques on different data for tree structure.
	C208.4	Distinguish the performance between stacks & queues

II YEAR II SEM AY: 2016-2017

COURSE NAME/ CODE	CO	CO STATEMENTS
COMPUTER ORGANIZATION A40506	C209.1	Use the I/O and Memory Organization in computer architecture.
	C209.2	Evaluate various modes of data transfer between CPU and I/O devices.
	C209.3	Develop assembly language programs for various applications.
	C209.4	Analyze the concept of pipelining, segment registers and pin diagram of CPU
DATABASE MANAGEMENT SYSTEMS A40507	C210.1	Explain fundamental elements of a database management system, compare the basic concepts of relational data
	C210.2	Design entity-relationship diagrams to represent simple database application scenarios, translate entity relationship
	C210.3	Illustrate the principles for logical design of database including the ER model and normalization approach.
	C210.4	Apply query optimization techniques of transaction processing and concurrency control
JAVA PROGRAMMING A40503	C211.1	Identify Object Oriented concepts through constructs of JAVA.
	C211.2	Analyze the role of Inheritance, Polymorphism and implement Packages, Interfaces in program design using JAVA
	C211.3	Apply Exception handling and multi-threading concepts in program design using JAVA.
	C211.4	Develop GUI based applications using Applet class and explore the concept of Event Handling using JAVA
ENVIRONMENTAL STUDIES A40009	C212.1	Apply the concepts of the ecosystem and its function in the environment.
	C212.2	Explain the natural resources and their importance for the sustenance of the life and recognize the need to conserve
	C212.3	Analyze the need for protecting the producers and consumers in various ecosystems and their role in the food web.
	C212.4	Describe Various attributes of the pollution and their impacts and measures to reduce or control the pollution along
FORMAL LANGUAGES AND AUTOMATA THEORY A40509	C213.1	Analyze Finite state machine and its representation in automata.
	C213.2	Use various components of formal languages and grammars in finite automata
	C213.3	Analyze situations in related areas of theory in computer science
	C213.4	Apply rigorously formal mathematical methods to prove properties of languages, grammars and automata
DESIGN AND ANALYSIS OF ALGORITHMS A40508	C214.1	Analyze the algorithms and performance of algorithms.
	C214.2	Apply different designing methods for development of algorithms.
	C214.3	Describe the dynamic-programming paradigm for different problems
	C214.4	Illustrate the optimization solution with respect to time complexity & memory usage
JAVA PROGRAMMING LAB A40585	C215.1	Use the concepts of object-oriented Programming in java
	C215.2	Demonstrate on reusability using inheritance, interfaces, and packages in java
	C215.3	Analyze complex programming problems and optimize the Solutions
	C215.4	Implement of GUI components (console and GUI based applications) & JDBC programming.
DATABASE MANAGEMENT SYSTEMS LAB	C216.1	Use database language commands to create simple database
	C216.2	Analyze the database based on queries to retrieve records
	C216.3	Applying PL/SQL for processing database

A40584	C216.4	Examine the front end tools to design forms, reports and menus
--------	--------	--

ACADEMIC BATCH: 2015-2019

III YEAR I SEM AY: 2017-2018

COURSE NAME/ CODE	CO	CO STATEMENTS
PRINCIPLES OF PROGRAMMING LANGUAGES	C301.	Apply expression for syntax and semantics in formal notation.
	C301.	Use suitable programming paradigm for different language.
	C301.	Describe different features of programming languages
	C301.	Distinguish among programming language
INTELLECTUAL PROPERTY RIGHTS A50017	C302.	Identify different type of Intellectual Properties (IPs), the right of ownership, scope of protection as well as the ways
	C302.	Recognize the crucial role of IP in organizations of different industrial sectors for the purpose of product and
	C302.	Identify activities and constitute IP infringements and the remedies available to the IP owner and describe the
	C302.	Describe the processes of Intellectual Property Management (IPM) and the various approaches for IPM and
SOFTWARE ENGINEERING A50518	C303.	Differentiate software process model such as waterfall and evolutionary models.
	C303.	Apply software engineering principles, techniques and develop, maintain, evaluate large-scale software systems
	C303.	Develop on efficient, reliable, robust, and cost-effective software solutions and perform independent research.
	C303.	Develop the software to manage time, processes, and resources effectively by prioritizing competing demands to
COMPILER DESIGN A50514	C304.	Explain the phases of compiler for any language
	C304.	Use lex and yacc tools for developing a scanner and a parser
	C304.	Apply and implement LL and LR parsers.
	C304.	Design algorithms to perform code optimization in order to improve the performance of a program
OPERATING SYSTEMS A50510	C305.	Describe the basic concepts related to operating systems and in detail about process management
	C305.	Demonstrate concurrency and control of processes for critical section of operating systems.
	C305.	Apply principles of deadlock and its prevention for file system interface.
	C305.	Use mass storage management functions of file system in operating systems.
COMPUTER NETWORKS A50515	C306.	Summarize the basic of computer networks and various protocols.
	C306.	Identify the components required to build different types of networks.
	C306.	Develop the algorithms for flow control and congestion control.
	C306.	Demonstrate various applications and their protocols.
OPERATING SYSTEMS LAB A50589	C307.	Experiment with Unix commands and shell programming
	C307.	Implement 'C' program for process and file system management based on system calls
	C307.	Analysis the best CPU scheduling algorithm for problem instance in OS.
	C307.	Identify the performance of various page replacement algorithms.
COMPILER DESIGN LAB A50587	C308.	Implementation Lexical Analyzer using a C program
	C308.	Implement JLex, flex or lex and yacc tools for generating Lexical Analyzer
	C308.	Apply BNF rules for yacc form using a C program
	C308.	Design using a code for Predictive Parser.

ACADEMIC BATCH: 2015-2019

III YEAR II SEM AY: 2017-2018

COURSE NAME/ CODE	CO	CO STATEMENTS
DISTRIBUTED SYSTEMS A60521	C309.1	Describe functionality of distributed system.
	C309.2	Demonstrate experience in building large-scale distributed applications.
	C309.3	Design a new distributed system with the desired features.
	C309.4	Apply important methods in distributed systems to support scalability and fault tolerance
INFORMATION SECURITY A60522	C310.1	Describe cryptographic algorithms, message and web authentication and security issues.
	C310.2	Identify information system requirements and current legal issues towards information security for
	C310.3	Distinguish symmetric and asymmetric encryption systems and their vulnerability to various attacks
	C310.4	Explain the role of third-party agents in the provision of authentication services.
OBJECT ORIENTED ANALYSIS AND DESIGN A60524	C311.1	Explain OOAD concepts and various UML diagrams
	C311.2	Select an appropriate design pattern.
	C311.3	Illustrate about domain models and conceptual classes.
	C311.4	Compare various testing techniques.
SOFTWARE TESTING METHODOLOGIES A60525	C312.1	Explain the basic concepts of software testing and its essentials.
	C312.2	Identify the various bugs and correcting them after knowing the bug.
	C312.3	Design the basic techniques for deriving test cases.
	C312.4	Apply appropriate software testing tools, techniques and methods
MANAGERIAL ECONOMICS AND FINANCIAL ANALYSIS A60010	C313.1	Analyze fundamentals of economics concepts in effective business administration.
	C313.2	Analysis on cost –out put relations
	C313.3	Create awareness on market structures and pricing policies of various business
	C313.4	Identify the types of Business organization of the company and the requirements of each one.
WEB TECHNOLOGIES A60512	C314.1	Create java program to different data manipulation commands on the database.
	C314.2	Design XHTML and Cascading Style Sheets for web page
	C314.3	Apply JavaScript to build dynamic web pages.
	C314.4	Build XML documents and Schemas.
CASE TOOLS AND WEB TECHNOLOGIES LAB A60591	C315.1	Design the static and dynamic diagrams for ATM HMS using UML tool.
	C315.2	Apply different testing tools for web technology.
	C315.3	Analyze of LAMP stack for web applications
	C315.4	Create HTML, JavaScript, AJAX,PHP, Servlets and JSPs for web applications.
ADVANCED	C316.1	Apply English with good pronunciation.

COMMUNICATION SKILLS LAB A60086	C316.2	Develop own skill through group discussions.
	C316.3	Build communication skill with the people effectively.
	C316.4	Use interpretation data aptly.

ACADEMIC BATCH: 2015-2019

IV YEAR I SEM AY: 2018-2019

COURSE NAME/ CODE	CO	CO STATEMENTS
LINUX PROGRAMMING A70511	C401.1	Develop shell scripts to perform more complex tasks.
	C401.2	Illustrate file processing operations such as standard I/O and formatted I/O.
	C401.3	Generalize Signal generation and handling signals.
	C401.4	Develop client server Inter Process Communication (IPC) Mechanisms.
DESIGN PATTERNS A70530	C402.1	List various design patterns.
	C402.2	Explain how design patterns solve design problems in object-oriented application.
	C402.3	Use design patterns in object-oriented software solutions.
	C402.4	Apply common design patterns to incremental/iterative development.
DATA WAREHOUSING AND DATA MINING A70520	C403.1	Design a data mart or data warehouse for any organization
	C403.2	Access raw input data and preprocess it to provide suitable input for range of data mining algorithms
	C403.3	Extract association rules and classification model
	C403.4	Identify the similar objects using clustering techniques.
ELECTIVE – 1 SOFTWARE PROJECT MANAGEMENT (A70540)	C404.1	Recognize the purpose and importance of project management
	C404.2	Differentiate organization project structures
	C404.3	Choose the project schedule and cost estimation
	C404.4	Relate the suitable project management tool
CLOUD COMPUTING A70519	C405.1	Explain the system Modeling, Clustering and Virtualization concepts for cloud computing
	C405.2	Analyze the basics of Cloud Computing and Integration as a service in cloud
	C405.3	Design different infrastructure of Cloud computing such as IAAS, PAAS, and SAAS.
	C405.4	Create the service level agreement and management in cloud computing.
ELECTIVE – 2 COMPUTER FORENSIC A70528	C406.1	Utilize a systematic approach to computer investigation.
	C406.2	Identify Locate & recover relevant electronic evidence from digital media using a variety of tools
	C406.3	Analyze various data acquisition tools for collecting digital evidence.
	C406.4	Identify email investigation
LINUX PROGRAMMING	C407.1	Apply built in commands for file processing.
	C407.2	Design Linux shell scripts.

LAB A70596	C407.3	Implement AWK scripts.
	C407.4	Develop programs to implement system calls.
DATA WAREHOUSING AND MINING LAB A70595	C408.1	Analyze different algorithms of data mining available by popular commercial data mining software.
	C408.2	Solve real data mining problems by using the right tools to find interesting Patterns.
	C408.3	Examine some real time applications and obtain the results using various Data Mining Algorithms.
	C408.4	Use hands-on experience with some popular data mining software

ACADEMIC BATCH: 2015-2019

IV YEAR II SEM AY: 2018-2019

COURSE NAME/ CODE	CO	CO STATEMENTS
MANAGEMENT SCIENCE A80014	C409.1	Apply new idea on management analysis organization.
	C409.2	Execute the principles of marketing management.
	C409.3	Build different parts of human resource management in organization
	C409.4	Use the case studies for different project management.
ELECTIVE – 3 MULTIMEDIA & RICH INTERNET APPLICATIONS	C410.1	Use the color models in images, video, graphics and image data representation
	C410.2	Identify different image representation techniques and file formats.
	C410.3	Apply the concepts of Rich internet applications with Adobe flash for developing a Flash Movie.
	C410.4	Show the importance of visual effects using multimedia on any video.
ELECTIVE – 4 STORAGE AREA NETWORKS	C411.1	Demonstrate the storage area networks
	C411.2	Develop the storage area products
	C411.3	Show the mechanism for backup
	C411.4	Use the mechanism for recovery from storage area networks
INDUSTRY ORIENTED MINI PROJECT A80087	C412.1	Create mini-projects in specified domain of CSE
	C412.2	Develop software knowledge for industry projects
	C412.3	Analyze the software project
	C412.4	Design software product
SEMINAR A80089	C413.1	Design an insight into modern technologies, tools and systems in the field of Computer Science and
	C413.2	Analyze complex engineering problems and relevance to the society and industry.
	C413.3	Develop good communication skills and presentation skills
	C413.4	Analyze advanced technology for software product
PROJECT WORK A80088	C414.1	Identify the problem by acquired knowledge.
	C414.2	Analyze executable project modules
	C414.3	Design project modules for software product
	C414.4	Test all the modules through effective teamwork.
COMPREHENSIVE VIVA A80090	C415.1	Create confidence in discussing the fundamental aspects of B.Tech course
	C415.2	Solve Computer Science and Engineering related problem
	C415.3	Develop the ability to manage the situation and give answers in dealing with them
	C415.4	Use the satisfactory answers for viva voice.

3.1.2 CO-PO MATRICES OF COURSES

Correlation levels defined as

Level 1- Slight (Low)

Level 2- Moderate (Medium)

Level 3- Substantial (High)

ACADEMIC BATCH: 2015-2019

I YEAR AY: 2015-2016

Course Name/Code	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	P10	P11	P12
ENGLISH A10001	C101.1	-	-	1	-	-	-	-	1	-	-	-	1
	C101.2	1	-	-	-	1	-	-	1	-	-	-	1
	C101.3	-	-	-	-	-	1	-	-	-	-	-	-
	C101.4	-	-	1	-	-	-	-	-	-	-	-	1
	AVG	1	-	1	-	1	1	-	1	-	-	-	1
MATHEMATICS-1 A10002	C102.1	3	2	3	1	-	-	-	-	-	-	-	1
	C102.2	3	2	2	1	-	-	-	-	-	-	-	1
	C102.3	3	2	3	1	-	-	-	-	-	-	-	-
	C102.4	3	2	2	1	-	-	-	-	-	-	-	-
	AVG	3	2	3	1	-	-	-	-	-	-	-	1
MATHEMATICAL METHODS A10003	C103.1	3	3	2	2	-	-	-	-	-	-	-	-
	C103.2	3	3	2	2	-	-	-	-	-	-	-	-
	C103.3	3	3	2	1	-	-	-	-	-	-	-	1
	C103.4	3	3	2	1	-	-	-	-	-	-	-	1
	AVG	3	3	2	2	-	-	-	-	-	-	-	1
ENGG PHYSICS A10004	C104.1	2	2	2	2	1	-	-	-	-	-	-	1
	C104.2	2	1	2	2	1	-	-	-	-	-	-	1
	C104.3	2	-	1	1	-	-	-	-	-	-	-	1
	C104.4	2	1	1	1	-	-	-	-	-	-	-	-

	AVG	2	1	2	2	1	-	-	-	-	-	-	1
ENGG CHEM A10005	C105.1	2	2	2	1	-	-	-	-	-	-	-	-
	C105.2	2	2	2	1	-	-	-	-	-	-	-	-
	C105.3	2	1	1	1	-	-	-	-	-	-	-	1
	C105.4	1	1	1	1	-	-	-	-	-	-	-	1
	AVG	2	2	2	1	-	-	-	-	-	-	-	1
COMPUTER PROGRAMMING A10501	C106.1	3	-	1	-	1	-	-	-	-	-	-	-
	C106.2	2	1	-	-	1	-	-	-	-	-	-	-
	C106.3	3	-	3	-	2	-	-	-	-	-	-	-
	C106.4	2	1	2	-	3	-	-	-	-	-	-	-
	AVG	3	1	2	-	2	-	-	-	-	-	-	-
ENGINEERING DRAWING A10301	C107.1	3	2	3	2	-	1	-	-	-	-	-	1
	C107.2	3	2	3	2	-	1	-	-	-	-	-	1
	C107.3	3	2	3	2	-	1	-	-	-	-	-	1
	C107.4	3	2	3	2	-	1	-	-	-	-	-	1
	AVG	3	2	3	2	-	1	-	-	-	-	-	1
COMPUTER PROGRAMMING LAB A10581	C108.1	3	2	3	2	-	1	-	-	-	-	-	1
	C108.2	2	2	3	1	-	1	-	-	-	-	-	1
	C108.3	3	1	3	1	-	1	-	-	-	-	-	1
	C108.4	2	1	3	2	-	-	-	-	-	-	-	1
	AVG	3	2	3	2	-	1	-	-	-	-	-	1
ENGINEERING PHYSICS / ENGINEERING CHEMISTRY LAB. A10081	C109.1	3	2	2	2	1	-	-	-	-	-	-	1
	C109.2	3	2	2	1	1	-	-	-	-	-	-	1
	C109.3	3	1	2	2	1	-	-	-	-	-	-	-
	C109.4	3	1	2	1	1	-	-	-	-	-	-	-
	AVG	3	2	2	2	1	-	-	-	-	-	-	1
ENGLISH LANGUAGE	C110.1	1	1	-	-	-	-	-	2	2	-	-	1

COMMUNICATION SKILLS LAB. A10083	C110.2	1	1	-	-	-	-	-	2	1	-	-	1
	C110.3	1	1	-	-	-	-	-	2	2	-	-	1
	C110.4	1	1	-	-	-	-	-	2	1	-	-	1
	AVG	1	1	-	-	-	-	-	2	2	-	-	1
IT WORKSHOP / ENGINEERING WORKSHOP A10082	C111.1	3	2	3	2	-	1	-	-	-	-	-	1
	C111.2	2	2	3	1	-	1	-	-	-	-	-	1
	C111.3	3	1	3	1	-	1	-	-	-	-	-	1
	C111.4	2	1	3	2	-	-	-	-	-	-	-	1
	AVG	3	2	3	2	-	1	-	-	-	-	-	1

ACADEMIC BATCH: 2015-2019

II YEAR I SEM AY: 2016-2017

Course Name/ Code	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	P10	P11	P12
PROB.& STAT A30008	C201.1	3	3	3	2	1	1	-	-	-	-	-	1
	C201.2	3	3	3	1	1	1	-	-	-	-	-	1
	C201.3	3	3	3	2	1	1	-	-	-	-	-	1
	C201.4	1	1	1	1	-	1	-	-	-	-	-	1
	AVG	3	3	3	2	1	1	-	-	-	-	-	1
MFCS A30504	C202.1	3	3	3	2	1	-	-	-	-	-	-	1
	C202.2	3	3	3	1	1	-	-	-	-	-	-	1
	C202.3	3	3	3	2	1	-	-	-	-	-	-	1
	C202.4	1	1	1	1	-	-	-	-	-	-	-	1
	AVG	3	3	3	2	1	-	-	-	-	-	-	1
DATA STRUCTURES A30502	C203.1	2	2	2	1	-	-	-	-	-	-	-	1
	C203.2	1	1	1	1	-	-	-	-	-	-	-	1
	C203.3	1	1	2	1	-	-	-	-	-	-	-	-
	C203.4	-	-	1	-	-	-	-	-	-	-	-	-

	AVG	2	1	2	1	-	-	-	-	-	-	-	1
DIGITAL LOGIC DESIGN A30401	C204.1	3	1	-	-	2	-	-	-	-	-	-	-
	C204.2	-	1	1	-	-	-	-	-	-	1	-	-
	C204.3	1	-	1	-	2	-	-	-	-	-	-	-
	C204.4	2	-	-	-	2	-	-	-	-	-	-	-
	AVG	2	1	1	-	2	-	-	-	-	1	-	-
ELECTRONIC DEVICES AND CIRCUITS A30404	C205.1	2	2	2	1	-	-	1	-	-	-	-	1
	C205.2	2	1	1	1	-	-	-	-	-	-	-	1
	C205.3	1	2	2	1	-	-	-	-	-	-	-	1
	C205.4	1	1	1	1	-	-	1	-	-	-	-	1
	AVG	2	2	2	1	-	-	1	-	-	-	-	1
BASIC ELECTRICAL ENGINEERING A30202	C206.1	2	2	2	1	-	-	1	-	-	-	-	1
	C206.2	2	1	1	-	-	-	-	-	-	-	-	1
	C206.3	1	-	2	1	-	-	-	-	-	-	-	1
	C206.4	1	1	1	1	-	-	1	-	-	-	-	1
	AVG	2	1	2	1	-	-	1	-	-	-	-	1
ELECTRICAL AND ELECTRONICS LAB A30282	C207.1	2	2	2	1	-	-	1	-	-	-	-	1
	C207.2	2	2	1	1	-	-	-	-	-	-	-	1
	C207.3	1	2	2	1	-	-	1	-	-	-	-	1
	C207.4	1	1	1	1	-	-	-	-	-	-	-	1
	AVG	2	2	2	1	-	-	1	-	-	-	-	1
DATA STRUCTURES LAB A30582	C208.1	2	2	2	1	-	-	-	-	-	-	-	1
	C208.2	2	1	1	1	-	-	-	-	-	-	-	1
	C208.3	2	1	2	1	-	-	-	-	-	-	-	-
	C208.4	2	-	1	-	-	-	-	-	-	-	-	-
	AVG	2	1	2	1	-	-	-	-	-	-	-	1

ACADEMIC BATCH: 2015-2019

II YEAR II SEM AY 2016-2017

Course Name/Code	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	P10	P11	P12
COMPUTER ORGANIZATION A40506	C209.1	3	2	-	1		-	-	-	-	-	-	-
	C209.2	-	2	2		1	-	-	-	-	1	-	-
	C209.3	2	-	2	1	1	-	-	-	-	-	-	-
	C209.4	2	-	2	-	-	-	-	-	-	-	-	-
	AVG	2	1	2	1	1	-	-	-	-	1	-	-
DATABASE MANAGEMENT SYSTEMS A40507	C210.1	3	3	-	-	-	-	-	-	-	-	-	-
	C210.2	2	2	1	-	-	-	-	-	-	-	-	-
	C210.3	3	3	-	-	2	-	-	-	-	-	-	-
	C210.4	-	-	-	1	2	-	-	-	-	-	-	-
	AVG	2	3	1	1	2	-	-	-	-	-	-	-
JAVA PROGRAMMING A40503	C211.1	2	2	1	1	-	-	-	-	-	-	-	-
	C211.2	3	3	2	1	-	1	1	-	-	1	-	2
	C211.3	3	3	3	1	-	2	2	-	-	1	-	2
	C211.4	2	2	2	1	-	2	2	1	-	1	-	2
	AVG	3	3	2	1	-	2	2	1	-	1	-	2
ENVIRONMENTAL STUDIES A40009	C212.1	1	1	-	-	-	-	2	1	-	-	-	1
	C212.2	1	1	-	-	-	-	2	-	-	-	-	1
	C212.3	1	-	-	-	-	-	2	-	-	-	-	1
	C212.4	-	-	-	-	-	-	2	-	-	-	-	1
	AVG	1	1	-	-	-	-	2	1	-	-	-	1
FORMAL LANGUAGES AND AUTOMATA THEORY A40509	C213.1	-	1	-	1	1	-	-	-	-	-	-	-
	C213.2	-	-	1	-	-	-	-	-	-	-	-	-
	C213.3	-	1	-	1	-	-	-	-	-	-	-	-
	C213.4	-	-	1	-	1	-	-	-	-	-	-	-

	AVG	-	1	1	1	1	-	-	-	-	-	-	-
DESIGN AND ANALYSIS OF ALGORITHMS A40508	C214.1	3	1	-	-	1	-	-	-	-	-	-	-
	C214.2	2	3	-	-	3	1	-	-	-	-	1	3
	C214.3	-	2	-	-	3	-	-	-	-	-	1	3
	C214.4	2	2	1	-	3	-	-	-	-	-	1	3
	AVG	2	2	1	-	3	1	-	-	-	-	1	3
JAVA PROGRAMMING LAB A40585	C215.1	3	3	3	2	2	-	2	2	2	2	2	-
	C215.2	2	3	3	2	2	-	2	2	2	2	2	-
	C215.3	2	2	1	3	2	-	2	3	2	2	2	-
	C215.4	-	3	3	-	-	-	-	-	-	1	-	1
	AVG	2	3	3	2	2	-	2	2	2	2	2	1
DATABASE MANAGEMENT SYSTEMS LAB A40584	C216.1	1	3	-	-	-	-	-	-	-	-	-	-
	C216.2	-	2	1	-	-	-	-	-	-	-	-	-
	C216.3	-	2	-	-	1	-	-	-	-	-	-	-
	C216.4	-	-	-	1	1	-	-	-	-	-	-	-
	AVG	1	2	1	1	1	-	-	-	-	-	-	-

ACADEMIC BATCH: 2015-2019

III YEAR I SEM AY 2017-2018

Course Name/Code	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	P10	P11	P12
PRINCIPLES OF PROGRAMMING LANGUAGES A50511	C301.1	1	-	-	-	2	-	-	-	-	-	-	2
	C301.2	2	-	3	-	2	-	-	-	-	-	-	2
	C301.3	2	-	2	-	2	-	-	-	-	-	-	2
	C301.4	2	-	2	-	2	-	-	-	-	-	-	-
	AVG	2	-	2	-	2	-	-	-	-	-	-	2
INTELLECTUAL PROPERTY RIGHTS	C302.1	1	1	-	-	-	-	-	2	-	-	-	1
	C302.2	1	-	-	-	-	-	-	2	-	-	-	1

A50017	C302.3	-	-	-	-	-	-	-	2	-	-	-	1
	C302.4	1	-	-	-	-	-	-	2	-	-	-	1
	AVG	1	1	-	-	-	-	-	2	-	-	-	1
SOFTWARE ENGINEERING A50518	C303.1	1	1	3	-	1	-	-	1	-	-	-	-
	C303.2	1	1	3	-	1	-	-	1	-	-	-	-
	C303.3	1	1	3	-	1	-	-	-	-	-	-	1
	C303.4	1	1	3	-	1	-	-	-	-	-	-	1
	AVG	1	1	3	-	1	-	-	1	-	-	-	1
COMPILER DESIGN A50514	C304.1	2	-	-	1	-	-	-	-	-	-	-	-
	C304.2	2	-	-	1	-	-	-	-	-	-	-	-
	C304.3	2	1	-	1	-	-	-	-	-	-	-	-
	C304.4	2	2	2	1	-	-	-	-	-	-	-	-
	AVG	2	2	2	1	-	-	-	-	-	-	-	-
OPERATING SYSTEMS A50510	C305.1	2	2	-	-	-	-	-	-	-	-	-	-
	C305.2	-	-	-	2	-	-	-	-	-	-	-	-
	C305.3	-	-	2	-	-	-	-	-	-	-	-	-
	C305.4	-	-	-	1	-	-	-	-	-	-	-	-
	AVG	1	2	2	2	-	-	-	-	-	-	-	-
COMPUTER NETWORKS A50515	C306.1	2	2	-	-	2	-	1	-	1	-	-	2
	C306.2	2	2	-	-	2	-	-	-	-	-	-	-
	C306.3	2	2	-	-	2	-	-	-	-	-	-	1
	C306.4	2	2	1	-	2	1	-	-	-	-	-	1
	AVG	2	2	1	-	2	1	1	-	1	-	-	1
OPERATING SYSTEMS LAB A50589	C307.1	3	3	1	-	1	-	-	-	-	-	-	1
	C307.2	3	3	3	2	1	1	1	2	2	2	1	2
	C307.3	3	3	3	3	1	1	1	2	2	2	2	2
	C307.4	3	3	3	2	1	-	-	1	1	1	1	2

	AVG	3	3	3	2	1	1	1	2	2	2	1	2
COMPILER DESIGN LAB A50587	C308.1	-	3	3	-	-	-	-	-	-	-	-	-
	C308.2	-	3	3	-	-	-	-	-	-	-	-	-
	C308.3	-	3	3	-	-	-	-	-	-	-	-	-
	C308.4	-	3	3	-	-	-	-	-	-	-	-	-
	AVG	-	3	3	-	-	-	-	-	-	-	-	-

ACADEMIC BATCH: 2015-2019

III YEAR II SEM AY 2017-2018

Course Name/ code	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	P10	P11	P12
DISTRIBUTED SYSTEMS A60521	C309.1	3	2	1	-	-	1	-	-	-	-	-	-
	C309.2	3	3	2	1	-	-	-	-	-	-	-	-
	C309.3	3	3	2	1	-	-	-	-	-	-	-	-
	C309.4	3	3	3	2	1	1	1	-	1	1	-	1
	AVG	3	3	2	1	1	1	1	-	1	1	-	2
INFORMATION SECURITY A60522	C310.1	2	1	2	-	-	-	-	-	-	-	-	1
	C310.2	2	1	2	-	-	-	-	-	-	-	-	1
	C310.3	1	1	1	-	-	-	-	-	-	-	-	-
	C310.4	2	1	1	-	-	-	-	-	-	-	-	-
	AVG	2	1	2	-	-	-	-	-	-	-	-	1
OBJECT ORIENTED ANALYSIS AND DESIGN A60524	C311.1	2	1	2	-	-	-	-	1	-	-	-	1
	C311.2	2	1	2	-	-	-	-	1	-	-	-	1
	C311.3	2	1	1	-	-	-	-	1	-	-	-	1
	C311.4	1	1	1	-	-	-	-	-	-	-	-	1
	AVG	2	1	2	-	-	-	-	1	-	-	-	1
SOFTWARE TESTING METHODOLOGIES	C312.1	2	1	3	-	-	3	-	-	3	-	-	-
	C312.2	-	-	3	-	-	2	-	-	-	-	-	-

A60525	C312.3	2	-	2	-	-	2	-	-	-	-	-	1
	C312.4	-	-	3	-	-	-	-	1	-	1	1	1
	AVG	2	1	3	-	-	2	-	1	1	1	1	1
MANAGERIAL ECONOMICS AND FINANCIAL ANALYSIS A60010	C313.1	1	1	-	1	-	-	-	-	-	-	-	1
	C313.2	1	-	-	1	-	-	-	-	-	-	-	1
	C313.3	1	1	-	1	-	-	-	-	-	-	-	1
	C313.4	1	1	-	1	-	-	-	-	-	-	-	-
	AVG	1	1	-	1	-	-	-	-	-	-	-	-
WEB TECHNOLOGIES A60512	C314.1	-	-	-	-	-	-	-	-	-	-	-	-
	C314.2	3	3	-	-	-	-	-	-	-	-	-	-
	C314.3	-	-	2	2	-	-	-	-	-	-	-	-
	C314.4	-	-	2	-	-	-	-	-	-	-	-	-
	AVG	1	3	2	2	-	-	-	-	-	-	-	-
CASE TOOLS AND WEB TECHNOLOGIES LAB A60591	C315.1	2	1	-	1	2	-	-	-	-	-	-	1
	C315.2	1	1	-	1	2	-	-	-	-	-	-	1
	C315.3	1	2	-	1	1	-	-	-	-	-	-	1
	C315.4	2	2	-	1	1	-	-	-	-	-	-	1
	AVG	2	2	-	1	2	-	-	-	-	-	-	1
ADVANCED COMMUNICATION SKILLS LAB A60086	C316.1	3	3	-	1	-	-	-	-	1	1	-	1
	C316.2	3	2	-	-	-	-	-	-	1	1	-	1
	C316.3	2	3	-	-	1	1	-	-	1	1	-	1
	C316.4	3	3	2	-	-	-	1	-	1	1	-	-
	AVG	3	3	2	1	1	1	1	-	1	1	-	1

IV YEAR I SEM AY 2018-2019

Course Name/ Code	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	P10	P11	P12
LINUX PROGRAMMING A70511	C401.1	2	2	2	1	-	1	-	-	-	-	-	1
	C401.2	2	2	2	1	-	1	-	-	-	-	-	1
	C401.3	2	1	2	1	-	1	-	-	-	-	-	-
	C401.4	2	1	2	1	-	1	-	-	-	-	-	1
	AVG	2	2	2	1	-	1	-	-	-	-	-	1
DESIGN PATTERNS A70530	C402.1	2	1	2	-	-	1	-	-	-	-	-	1
	C402.2	1	1	3	-	-	1	-	-	-	-	-	1
	C402.3	-	1	3	-	-	1	-	-	-	-	-	1
	C402.4	1	1	3	-	-	1	-	-	-	-	-	-
	AVG	1	1	3	-	-	1	-	-	-	-	-	1
DATA WAREHOUSING AND DATA MINING A70520	C403.1	3	3	2	3	-	-	-	-	-	-	3	-
	C403.2	3	3	3	3	-	-	-	-	-	-	-	-
	C403.3	3	3	-	3	3	3	-	-	-	-	2	2
	C403.4	3	3	-	3	-	3	-	1	-	-	2	2
	AVG	3	3	3	3	3	3	-	1	-	-	2	2
ELECTIVE – 1 SOFTWARE PROJECT MANAGEMENT (A70540)	C404.1	2	2	2	-	-	1	-	-	-	-	-	1
	C404.2	1	2	-	2	2	-	-	-	-	-	-	1
	C404.3	1	-	3	-	-	1	-	1	-	-	-	1
	C404.4	2	1	1	-	-	1	-	-	-	-	1	-
	AVG	2	2	2	2	2	1	-	1	-	-	1	1
CLOUD COMPUTING A70519	C405.1	2	2	2	2	2	1	-	-	-	-	-	1
	C405.2	3	3	3	2	-	1	-	-	-	-	-	1
	C405.3	2	2	3	2	2	-	-	-	-	-	2	1
	C405.4	-	-	-	-	-	2	-	1	-	-	2	1
	AVG	2	2	3	2	2	1	-	1	-	-	2	1

ELECTIVE – 2 COMPUTER FORENSIC A70528	C406.1	2	-	-	-	-	-	-	-	-	-	-	-
	C406.2	1	1	-	-	3	-	-	-	-	-	-	-
	C406.3	1	-	-	-	2	-	-	-	-	-	-	-
	C406.4	-	-	-	2	2	-	-	-	1	-	1	-
	AVG	1	1	-	1	2	-	-	-	1	-	1	-
LINUX PROGRAMMING LAB A70596	C407.1	-	-	-	-	1	-	-	-	-	-	-	2
	C407.2	-	-	3	-	-	-	-	-	-	2	-	2
	C407.3	-	-	3	-	-	-	-	-	-	2	-	2
	C407.4	-	-	3	-	-	-	-	-	-	2	-	2
	AVG	-	-	3	-	1	-	-	-	-	2	-	2
DATA WAREHOUSING AND MINING LAB A70595	C408.1	1	3	-	-	-	-	-	-	-	-	-	-
	C408.2	-	2	1	-	-	-	-	-	-	-	-	-
	C408.3	-	2	-	-	1	-	-	-	-	-	-	-
	C408.4	-	-	-	1	1	-	-	-	-	-	-	-
	AVG	1	2	1	1	1	-	-	-	-	-	-	-

ACADEMIC BATCH: 2015-2019

IV YEAR II SEM AY 2018-2019

Course Name/Code	CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	P10	P11	P12
MANAGEMENT SCIENCE A80014	C409.1	3	3	-	-	-	-	-	1	-	-	2	-
	C409.2	3	2	2	-	2	-	-	1	-	-	2	1
	C409.3	3	3	2	3	-	-	-	-	-	-	3	1
	C409.4	3	-	-	3	-	1	1	-	-	-	2	-
	AVG	3	3	2	3	2	1	1	1	-	-	2	1
ELECTIVE – 3 MULTIMEDIA & RICH INTERNET	C410.1	2	1	1	-	-	1	-	-	-	-	-	1
	C410.2	1	1	-	-	-	-	-	-	-	-	-	1
	C410.3	1	1	1	-	-	1	-	-	-	-	-	1

APPLICATIONS A80551	C410.4	2	-	1	-	-	1	-	-	-	-	-	1
	AVG	2	1	1	-	-	1	-	-	-	-	-	1
ELECTIVE – 4 STORAGE AREA NETWORKS A80542	C411.1	2	-	-	-	-	-	-	-	-	-	2	3
	C411.2	2	-	-	-	-	-	-	-	-	-	3	3
	C411.3	2	2	-	-	-	-	-	-	-	-	3	3
	C411.4	2	2	-	-	-	-	-	-	-	-	3	2
	AVG	2	2	-	-	-	-	-	-	-	-	3	3
INDUSTRY ORIENTED MINI PROJECT A80087	C412.1	3	3	3	3	3	-	-	-	3	1	1	-
	C412.2	3	3	3	2	3	-	-	-	3	2	1	-
	C412.3	3	3	3	2	3	-	-	-	2	2	-	-
	C412.4	-	3	2	3	3	-	1	-	3	-	-	-
	AVG	3	3	3	3	3	-	1	-	3	2	1	-
SEMINAR A80089	C413.1	1	-	1	1	-	-	-	-	-	-	-	1
	C413.2	1	-	1	-	-	-	-	-	-	-	-	-
	C413.3	-	-	1	1	-	-	-	-	-	-	-	1
	C413.4	1	-	-	1	-	-	-	-	-	-	-	-
	AVG	1	-	1	1	-	-	-	-	-	-	-	1
PROJECT WORK A80088	C414.1	3	3	3	3	3	-	-	-	2	2	3	-
	C414.2	3	3	3	2	3	-	-	-	3	2	2	-
	C414.3	3	3	3	2	3	-	-	-	3	3	3	-
	C414.4	-	3	2	3	3	-	1	-	3	-	2	-
	AVG	3	3	3	3	3	-	1	-	3	2	3	-
COMPREHENSIVE VIVA A80090	C415.1	2	1	-	-	-	-	-	1	-	-	-	2
	C415.2	1	-	-	-	-	-	-	1	-	-	-	3
	C415.3	1	1	-	-	-	-	-	-	-	-	-	3
	C415.4	-	-	-	-	-	-	-	1	-	-	-	-
	AVG	1	1	-	-	-	-	-	1	-	-	-	3

3.1.3 PO-PSO MATRICES OF COURSES :

ACADEMIC BATCH: 2015-2019

I YEAR AY: 2015-2016

Course Name/ Code	CO	PSO1	PSO2	PSO3
ENGLISH A10001	C101.1	-	-	1
	C101.2	-	2	1
	C101.3	-	1	1
	C101.4	-	1	2
	AVG	-	1	1
MATHEMATICS-1 A10002	C102.1	3	-	-
	C102.2	3	1	-
	C102.3	3	1	2
	C102.4	3	1	1
	AVG	3	1	1
MATHEMATICAL METHODS A10003	C103.1	3	-	-
	C103.2	3	1	1
	C103.3	3	2	2
	C103.4	3	1	1
	AVG	3	1	1
ENGG PHYSICS A10004	C104.1	2	1	-
	C104.2	2	1	-
	C104.3	2	1	-
	C104.4	3	1	-
	AVG	2	1	-
ENGG CHEM A10005	C105.1	1	-	2
	C105.2	1	-	1

	C105.3	2	1	2
	C105.4	1	-	1
	AVG	1	1	2
COMPUTER PROGRAMMING A10501	C106.1	2	3	1
	C106.2	2	1	1
	C106.3	3	2	2
	C106.4	3	2	1
	AVG	3	2	1
ENGINEERING DRAWING A10301	C107.1	3	2	2
	C107.2	3	1	1
	C107.3	3	1	1
	C107.4	2	1	-
	AVG	3	1	1
COMPUTER PROGRAMMING LAB A10581	C108.1	3	2	2
	C108.2	3	2	1
	C108.3	3	2	1
	C108.4	3	1	1
	AVG	3	2	1
ENGINEERING PHYSICS / ENGINEERING CHEMISTRY LAB. A10081	C109.1	2	1	1
	C109.2	1	-	1
	C109.3	1	1	-
	C109.4	2	1	2
	AVG	2	1	1
ENGLISH LANGUAGE COMMUNICATION SKILLS LAB. A10083	C110.1	-	3	2
	C110.2	-	2	1
	C110.3	1	3	1
	C110.4	1	3	2

	AVG	1	3	2
IT WORKSHOP / ENGINEERING WORKSHOP A10082	C111.1	2	2	1
	C111.2	3	2	1
	C111.3	3	3	2
	C111.4	3	2	2
	AVG	3	2	2

ACADEMIC BATCH: 2015-2019

II YEAR I SEM AY: 2016-2017

Course Name/ Code	CO	PSO1	PSO2	PSO3
PROB.& STAT A30008	C201.1	3	1	1
	C201.2	3	2	1
	C201.3	3	1	1
	C201.4	2	2	1
	AVG	3	2	1
MFCS A30504	C202.1	3	1	1
	C202.2	2	1	-
	C202.3	3	2	1
	C202.4	3	2	2
	AVG	3	2	1
DATA STRUCTURES A30502	C203.1	3	3	2
	C203.2	3	2	2
	C203.3	3	1	-
	C203.4	3	2	-
	AVG	3	2	2
DIGITAL LOGIC DESIGN A30401	C204.1	3	1	-
	C204.2	3	2	-
	C204.3	2	2	-
	C204.4	2	2	1
	AVG	3	2	1
ELECTRONIC DEVICES AND CIRCUITS A30404	C205.1	3	1	-
	C205.2	3	2	-
	C205.3	3	2	3
	C205.4	2	1	-
	AVG	3	2	3
BASIC ELECTRICAL ENGINEERING	C206.1	3	1	-
	C206.2	1	1	-

A30202	C206.3	2	1	-
	C206.4	2	2	1
	AVG	2	1	1
ELECTRICAL AND ELECTRONICS LAB A30282	C207.1	3	2	1
	C207.2	3	1	-
	C207.3	3	1	1
	C207.4	3	-	-
	AVG	3	1	1
DATA STRUCTURES LAB A30582	C208.1	3	3	1
	C208.2	3	2	1
	C208.3	3	1	-
	C208.4	3	2	-
	AVG	3	2	1

ACADEMIC BATCH: 2015-2019

II YEAR II SEM AY: 2016-2017

Course Name/ Code	CO	PSO1	PSO2	PSO3
COMPUTER ORGANIZATION A40506	C209.1	1	-	-
	C209.2	2	1	-
	C209.3	3	2	-
	C209.4	2	1	-
	AVG	2	1	1
DATABASE MANAGEMENT SYSTEMS A40507	C210.1	2	1	-
	C210.2	2	2	1
	C210.3	3	2	1
	C210.4	3	2	2
	AVG	3	2	1
JAVA PROGRAMMING A40503	C211.1	2	2	1
	C211.2	3	2	1
	C211.3	3	2	1
	C211.4	3	3	3
	AVG	3	2	2
ENVIRONMENTAL STUDIES A40009	C212.1	-	1	3
	C212.2	1	2	2
	C212.3	1	-	2
	C212.4	1	1	2
	AVG	1	1	2
FORMAL LANGUAGES AND AUTOMATA THEORY	C213.1	3	2	-
	C213.2	2	1	-
	C213.3	3	3	1
	C213.4	3	2	1

A40509	AVG	3	2	1
DESIGN AND ANALYSIS OF ALGORITHMS A40508	C214.1	3	2	1
	C214.2	3	2	-
	C214.3	2	1	-
	C214.4	3	3	1
	AVG	3	2	1
JAVA PROGRAMMING LAB A40585	C215.1	2	2	-
	C215.2	3	2	-
	C215.3	3	3	1
	C215.4	2	1	1
	AVG	3	2	1
DATABASE MANAGEMENT SYSTEMS LAB A40584	C216.1	2	2	-
	C216.2	3	2	-
	C216.3	3	2	2
	C216.4	3	3	1
	AVG	3	2	1

ACADEMIC BATCH: 2015-2019

III YEAR I SEM AY: 2017-2018

Course Name/ Code	CO	PSO1	PSO2	PSO3
PRINCIPLES OF PROGRAMMING LANGUAGES A50511	C301.1	3	2	-
	C301.2	3	2	-
	C301.3	1	1	-
	C301.4	2	-	-
	AVG	2	1	-
INTELLECTUAL PROPERTY RIGHTS A50017	C302.1	-	-	3
	C302.2	-	-	3
	C302.3	-	1	1
	C302.4	-	1	1
	AVG	-	1	2
SOFTWARE ENGINEERING A50518	C303.1	2	2	2
	C303.2	3	3	2
	C303.3	2	3	3
	C303.4	2	3	3
	AVG	2	3	3
COMPILER DESIGN A50514	C304.1	2	2	1
	C304.2	3	3	-
	C304.3	3	3	-
	C304.4	3	3	1
	AVG	3	3	1
	C305.1	3	3	2

OPERATING SYSTEMS A50510	C305.2	3	3	2
	C305.3	3	2	1
	C305.4	2	1	1
	AVG	3	2	2
COMPUTER NETWORKS A50515	C306.1	2	-	-
	C306.2	-	2	-
	C306.3	2	-	-
	C306.4	2	2	-
	AVG	2	1	-
OPERATING SYSTEMS LAB A50589	C307.1	3	3	-
	C307.2	3	3	1
	C307.3	3	2	2
	C307.4	3	2	1
	AVG	3	3	1
COMPILER DESIGN LAB A50587	C308.1	-	3	1
	C308.2	-	3	1
	C308.3	-	3	-
	C308.4	-	3	1
	AVG	-	3	1

ACADEMIC BATCH: 2015-2019

III YEAR II SEM AY: 2017-2018

Course Name/ Code	CO	PSO1	PSO2	PSO3
DISTRIBUTED SYSTEMS A60521	C309.1	2	2	1
	C309.2	3	3	3
	C309.3	3	2	1
	C309.4	3	3	2
	AVG	3	3	2
INFORMATION SECURITY A60522	C310.1	3	1	-
	C310.2	3	-	-
	C310.3	3	1	-
	C310.4	3	-	-
	AVG	3	1	-
OBJECT ORIENTED ANALYSIS AND DESIGN A60524	C311.1	3	3	1
	C311.2	2	2	-
	C311.3	2	2	1
	C311.4	3	3	2
	AVG	3	3	1
SOFTWARE TESTING METHODOLOGIES	C312.1	2	2	3
	C312.2	3	2	3
	C312.3	3	2	2
	C312.4	3	3	3

A60525	AVG	3	2	3
MANAGERIAL ECONOMICS AND FINANCIAL ANALYSIS A60010	C313.1	1	1	3
	C313.2	1	1	3
	C313.3	-	-	3
	C313.4	-	-	3
	AVG	1	1	3
WEB TECHNOLOGIES A60512	C314.1	3	3	1
	C314.2	3	3	2
	C314.3	3	2	2
	C314.4	3	3	3
	AVG	3	3	2
CASE TOOLS AND WEB TECHNOLOGIES LAB A60591	C315.1	2	2	2
	C315.2	3	3	3
	C315.3	3	3	3
	C315.4	3	3	3
	AVG	3	3	3
ADVANCED COMMUNICATION SKILLS LAB A60086	C316.1	-	3	3
	C316.2	-	3	3
	C316.3	-	3	3
	C316.4	-	3	3
	AVG	-	3	3

ACADEMIC BATCH: 2015-2019

IV YEAR I SEM AY 2018-2019

Course Name/ Code	CO	PSO1	PSO2	PSO3
LINUX PROGRAMMING A70511	C401.1	3	2	1
	C401.2	2	2	1
	C401.3	2	2	2
	C401.4	3	2	2
	AVG	3	2	2
DESIGN PATTERNS A70530	C402.1	2	-	-
	C402.2	2	1	1
	C402.3	2	1	3
	C402.4	3	1	2
	AVG	2	1	2
DATA WAREHOUSING AND DATA MINING A70520	C403.1	2	2	3
	C403.2	3	3	2
	C403.3	2	2	2
	C403.4	2	2	1
	AVG	2	2	2
ELECTIVE – 1	C404.1	3	3	3
	C404.2	3	3	3

SOFTWARE PROJECT MANAGEMENT (A70540)	C404.3	3	2	2
	C404.4	3	3	3
	AVG	3	3	3
CLOUD COMPUTING A70519	C405.1	3	2	3
	C405.2	2	3	3
	C405.3	3	3	3
	C405.4	3	3	3
	AVG	3	3	3
ELECTIVE – 1 SOFTWARE PROJECT MANAGEMENT A70540	C406.1	2	1	3
	C406.2	2	1	3
	C406.3	1	1	3
	C406.4	3	2	3
	AVG	2	1	3
LINUX PROGRAMMING LAB A70596	C407.1	2	2	1
	C407.2	3	2	2
	C407.3	3	1	2
	C407.4	2	2	1
	AVG	3	2	2
DATA WAREHOUSING AND MINING LAB A70595	C408.1	3	2	2
	C408.2	3	3	2
	C408.3	3	3	3
	C408.4	3	3	3
	AVG	3	3	3

ACADEMIC BATCH: 2015-2019

IV YEAR II SEM AY 2018-2019

Course Name/ Code	CO	PSO1	PSO2	PSO3
MANAGEMENT SCIENCE A80014	C409.1	1	2	2
	C409.2	2	2	3
	C409.3	2	1	2
	C409.4	2	2	2
	AVG	2	1	2
ELECTIVE – 3 MULTIMEDIA & RICH INTERNET APPLICATIONS A80551	C410.1	3	3	3
	C410.2	3	3	3
	C410.3	3	3	3

	C410.4	2	2	1
	AVG	3	3	3
ELECTIVE – 4 STORAGE AREA NETWORKS A80542	C411.1	2	2	1
	C411.2	2	2	1
	C411.3	2	2	2
	C411.4	2	2	3
	AVG	2	2	2
INDUSTRY ORIENTED MINI PROJECT A80087	C412.1	3	3	3
	C412.2	3	3	3
	C412.3	3	3	3
	C412.4	3	3	3
	AVG	3	3	3
SEMINAR A80089	C413.1	2	3	2
	C413.2	3	3	3
	C413.3	1	3	3
	C413.4	2	3	3
	AVG	2	3	3
PROJECT WORK A80088	C414.1	2	3	2
	C414.2	3	3	3
	C414.3	3	3	3
	C414.4	3	3	3
	AVG	3	3	3
COMPREHENSIVE VIVA A80090	C415.1	-	3	3
	C415.2	2	2	3
	C415.3	-	3	2
	C415.4	-	2	2
	AVG	2	3	3

ACADEMIC BATCH: 2015-2019
3.1.3 – A Program level Course-PO matrix of all courses INCLUDING First Year Courses

Course	CO	PO	PO	PO	PO	PO	PO	PO	PO	PO	P10	P11	P1
ENGLISH A10001	C101.	-	-	1	-	-	-	-	1	-	-	-	1
	C101.	1	-	-	-	1	-	-	1	-	-	-	1
	C101.	-	-	-	-	-	1	-	-	-	-	-	-
	C101.	-	-	1	-	-	-	-	-	-	-	-	1
	AVG	1	-	1	-	1	1	-	1	-	-	-	1
MATHEMATICS 01 A10002	C102.	3	2	3	1	-	-	-	-	-	-	-	1
	C102.	3	2	2	1	-	-	-	-	-	-	-	1
	C102.	3	2	3	1	-	-	-	-	-	-	-	-
	C102.	3	2	2	1	-	-	-	-	-	-	-	-
	AVG	3	2	3	1	-	-	-	-	-	-	-	1
MATHEMATICAL METHODS A10003	C103.	3	3	2	2	-	-	-	-	-	-	-	-
	C103.	3	3	2	2	-	-	-	-	-	-	-	-
	C103.	3	3	2	1	-	-	-	-	-	-	-	1
	C103.	3	3	2	1	-	-	-	-	-	-	-	1
	AVG	3	3	2	2	-	-	-	-	-	-	-	1
ENGG PHYSICS A10004	C104.	2	2	2	2	1	-	-	-	-	-	-	1
	C104.	2	1	2	2	1	-	-	-	-	-	-	1
	C104.	2	-	1	1	-	-	-	-	-	-	-	1
	C104.	2	1	1	1	-	-	-	-	-	-	-	-
	AVG	2	1	2	2	1	-	-	-	-	-	-	1
ENGG CHEM A10005	C105.	2	2	2	1	-	-	-	-	-	-	-	-
	C105.	2	2	2	1	-	-	-	-	-	-	-	-

	C105.	2	1	1	1	-	-	-	-	-	-	-	1
	C105.	1	1	1	1	-	-	-	-	-	-	-	1
	AVG	2	2	2	1	-	-	-	-	-	-	-	1
COMPUTER PROGRAMMING A10501	C106.	3	-	1	-	1	-	-	-	-	-	-	-
	C106.	2	1	-	-	1	-	-	-	-	-	-	-
	C106.	3	-	3	-	2	-	-	-	-	-	-	-
	C106.	2	1	2	-	3	-	-	-	-	-	-	-
	AVG	3	1	2	-	2	-	-	-	-	-	-	-
ENGINEERING DRAWING A10301	C107.	3	2	3	2	-	1	-	-	-	-	-	1
	C107.	3	2	3	2	-	1	-	-	-	-	-	1
	C107.	3	2	3	2	-	1	-	-	-	-	-	1
	C107.	3	2	3	2	-	1	-	-	-	-	-	1
	AVG	3	2	3	2	-	1	-	-	-	-	-	1
COMPUTER PROGRAMMING LAB A10581	C108.	3	2	3	2	-	1	-	-	-	-	-	1
	C108.	2	2	3	1	-	1	-	-	-	-	-	1
	3	3	1	3	1	-	1	-	-	-	-	-	1
	C108.	2	1	3	2	-	-	-	-	-	-	-	1
	AVG	3	2	3	2	-	1	-	-	-	-	-	1
ENGINEERING PHYSICS / ENGINEERING CHEMISTRY LAB. A10081	C109.	3	2	2	2	1	-	-	-	-	-	-	1
	C109.	3	2	2	1	1	-	-	-	-	-	-	1
	C109.	3	1	2	2	1	-	-	-	-	-	-	-
	C109.	3	1	2	1	1	-	-	-	-	-	-	-
	AVG	3	2	2	2	1	-	-	-	-	-	-	1
ENGLISH	C110.	1	1	-	-	-	-	-	2	2	-	-	1

LANGUAGE COMMUNICATI ON SKILLS LAB. A10083	C110.	1	1	-	-	-	-	-	2	1	-	-	1
	C110.	1	1	-	-	-	-	-	2	2	-	-	1
	C110.	1	1	-	-	-	-	-	2	1	-	-	1
	AVG	1	1	-	-	-	-	-	2	2	-	-	1
IT WORKSHOP / ENGINEERING WORKSHOP A10082	C111.	3	2	3	2	-	1	-	-	-	-	-	1
	C111.	2	2	3	1	-	1	-	-	-	-	-	1
	C111.	3	1	3	1	-	1	-	-	-	-	-	1
	C111.	2	1	3	2	-	-	-	-	-	-	-	1
	AVG	3	2	3	2	-	1	-	-	-	-	-	1
PROB.& STAT A30008	C201.	3	3	3	2	1	1	-	-	-	-	-	1
	C201.	3	3	3	1	1	1	-	-	-	-	-	1
	C201.	3	3	3	2	1	1	-	-	-	-	-	1
	C201.	1	1	1	1	-	1	-	-	-	-	-	1
	AVG	3	3	3	2	1	1	-	-	-	-	-	1
MFCS A30504	C202.	3	3	3	2	1	-	-	-	-	-	-	1
	C202.	3	3	3	1	1	-	-	-	-	-	-	1
	C202.	3	3	3	2	1	-	-	-	-	-	-	1
	C202.	1	1	1	1	-	-	-	-	-	-	-	1
	AVG	3	3	3	2	1	-	-	-	-	-	-	1
DATA STRUCTURES A30502	C203.	2	2	2	1	-	-	-	-	-	-	-	1
	C203.	1	1	1	1	-	-	-	-	-	-	-	1
	C203.	1	1	2	1	-	-	-	-	-	-	-	-
	C203.	-	-	1	-	-	-	-	-	-	-	-	-
	AVG	2	1	2	1	-	-	-	-	-	-	-	1

DIGITAL LOGIC DESIGN A30401	C204.	3	1	-	-	2	-	-	-	-	-	-	-
	C204.	-	1	1	-	-	-	-	-	-	1	-	-
	C204.	1	-	1	-	2	-	-	-	-	-	-	-
	C204.	2	-	-	-	2	-	-	-	-	-	-	-
	AVG	2	1	1	-	2	-	-	-	-	1	-	-
ELECTRONIC DEVICES AND CIRCUITS A30404	C205.	2	2	2	1	-	-	1	-	-	-	-	1
	C205.	2	1	1	1	-	-	-	-	-	-	-	1
	C205.	1	2	2	1	-	-	-	-	-	-	-	1
	C205.	1	1	1	1	-	-	1	-	-	-	-	1
	AVG	2	2	2	1	-	-	1	-	-	-	-	1
BASIC ELECTRICAL ENGINEERING A30202	C206.	2	2	2	1	-	-	1	-	-	-	-	1
	C206.	2	1	1	-	-	-	-	-	-	-	-	1
	C206.	1	-	2	1	-	-	-	-	-	-	-	1
	C206.	1	1	1	1	-	-	1	-	-	-	-	1
	AVG	2	1	2	1	-	-	1	-	-	-	-	1
ELECTRICAL AND ELECTRONICS LAB A30282	C207.	2	2	2	1	-	-	1	-	-	-	-	1
	C207.	2	2	1	1	-	-	-	-	-	-	-	1
	C207.	1	2	2	1	-	-	1	-	-	-	-	1
	C207.	1	1	1	1	-	-	-	-	-	-	-	1
	AVG	2	2	2	1	-	-	1	-	-	-	-	1
DATA STRUCTURES	C208.	2	2	2	1	-	-	-	-	-	-	-	1
	C208.	2	1	1	1	-	-	-	-	-	-	-	1
	C208.	2	1	2	1	-	-	-	-	-	-	-	-
	C208.	2	-	1	-	-	-	-	-	-	-	-	-

LAB	AVG	2	1	2	1	-	-	-	-	-	-	-	1
COMPUTER ORGANIZATION A40506	C209.	3	2	-	1		-	-	-	-	-	-	-
	C209.	-	2	2		1	-	-	-	-	1	-	-
	C209.	2	-	2	1	1	-	-	-	-	-	-	-
	C209.	2	-	2	-	-	-	-	-	-	-	-	-
	AVG	2	1	2	1	1	-	-	-	-	1	-	-
DATABASE MANAGEMENT SYSTEMS A40507	C210.	3	3	-	-	-	-	-	-	-	-	-	-
	C210.	2	2	1	-	-	-	-	-	-	-	-	-
	C210.	3	3	-	-	2	-	-	-	-	-	-	-
	C210.	-	-	-	1	2	-	-	-	-	-	-	-
	AVG	2	3	1	1	2	-	-	-	-	-	-	-
JAVA PROGRAMMING A40503	C211.	2	2	1	1	-	-	-	-	-	-	-	-
	C211.	3	3	2	1	-	1	1	-	-	1	-	2
	C211.	3	3	3	1	-	2	2	-	-	1	-	2
	C211.	2	2	2	1	-	2	2	1	-	1	-	2
	AVG	3	3	2	1	-	2	2	1	-	1	-	2
ENVIRONMENT AL STUDIES A40009	C212.	1	1	-	-	-	-	2	1	-	-	-	1
	C212.	1	1	-	-	-	-	2	-	-	-	-	1
	C212.	1	-	-	-	-	-	2	-	-	-	-	1
	C212.	-	-	-	-	-	-	2	-	-	-	-	1
	AVG	1	1	-	-	-	-	2	1	-	-	-	1
FORMAL LANGUAGES AND	C213.	-	1	-	1	1	-	-	-	-	-	-	-
	C213.	-	-	1	-	-	-	-	-	-	-	-	-
	C213.	-	1	-	1	-	-	-	-	-	-	-	-

AUTOMATA THEORY A40500	C213.	-	-	1	-	1	-	-	-	-	-	-	-
	AVG	-	1	1	1	1	-	-	-	-	-	-	-
DESIGN AND ANALYSIS OF ALGORITHMS A40508	C214.	3	1	-	-	1	-	-	-	-	-	-	-
	C214.	2	3	-	-	3	1	-	-	-	-	1	3
	C214.	-	2	-	-	3	-	-	-	-	-	1	3
	C214.	2	2	1	-	3	-	-	-	-	-	1	3
	AVG	2	2	1	-	3	1	-	-	-	-	1	3
JAVA PROGRAMMING LAB A40585	C215.	3	3	3	2	2	-	2	2	2	2	2	-
	C215.	2	3	3	2	2	-	2	2	2	2	2	-
	C215.	2	2	1	3	2	-	2	3	2	2	2	-
	C215.	-	3	3	-	-	-	-	-	-	1	-	1
	AVG	2	3	3	2	2	-	2	2	2	2	2	1
DATABASE MANAGEMENT SYSTEMS LAB A40584	C216.	1	3	-	-	-	-	-	-	-	-	-	-
	C216.	-	2	1	-	-	-	-	-	-	-	-	-
	C216.	-	2	-	-	1	-	-	-	-	-	-	-
	C216.	-	-	-	1	1	-	-	-	-	-	-	-
	AVG	1	2	1	1	1	-	-	-	-	-	-	-
PRINCIPLES OF PROGRAMMING LANGUAGES A50511	C301.	1	-	-	-	2	-	-	-	-	-	-	2
	C301.	2	-	3	-	2	-	-	-	-	-	-	2
	C301.	2	-	2	-	2	-	-	-	-	-	-	2
	C301.	2	-	2	-	2	-	-	-	-	-	-	-
	AVG	2	-	2	-	2	-	-	-	-	-	-	2
INTELLECTUAL PROPERTY	C302.	1	1	-	-	-	-	-	2	-	-	-	1
	C302.	1	-	-	-	-	-	-	2	-	-	-	1

RIGHTS A50017	C302.	-	-	-	-	-	-	-	2	-	-	-	1
	C302.	1	-	-	-	-	-	-	2	-	-	-	1
	AVG	1	1	-	-	-	-	-	2	-	-	-	1
SOFTWARE ENGINEERING A50518	C303.	1	1	3	-	1	-	-	1	-	-	-	-
	C303.	1	1	3	-	1	-	-	1	-	-	-	-
	C303.	1	1	3	-	1	-	-	-	-	-	-	1
	C303.	1	1	3	-	1	-	-	-	-	-	-	1
	AVG	1	1	3	-	1	-	-	1	-	-	-	1
COMPILER DESIGN A50514	C304.	2	-	-	1	-	-	-	-	-	-	-	-
	C304.	2	-	-	1	-	-	-	-	-	-	-	-
	C304.	2	1	-	1	-	-	-	-	-	-	-	-
	C304.	2	2	2	1	-	-	-	-	-	-	-	-
	AVG	2	2	2	1	-	-	-	-	-	-	-	-
OPERATING SYSTEMS A50510	C305.	2	2	-	-	-	-	-	-	-	-	-	-
	C305.	-	-	-	2	-	-	-	-	-	-	-	-
	C305.	-	-	2	-	-	-	-	-	-	-	-	-
	C305.	-	-	-	1	-	-	-	-	-	-	-	-
	AVG	1	2	2	2	-	-	-	-	-	-	-	-
COMPUTER NETWORKS A50515	C306.	2	2	-	-	2	-	1	-	1	-	-	2
	C306.	2	2	-	-	2	-	-	-	-	-	-	-
	C306.	2	2	-	-	2	-	-	-	-	-	-	1
	C306.	2	2	1	-	2	1	-	-	-	-	-	1
	AVG	2	2	1	-	2	1	1	-	1	-	-	1
	C307.	3	3	1	-	1	-	-	-	-	-	-	1

OPERATING SYSTEMS LAB A50589	C307.	3	3	3	2	1	1	1	2	2	2	1	2
	C307.	3	3	3	3	1	1	1	2	2	2	2	2
	C307.	3	3	3	2	1	-	-	1	1	1	1	2
	AVG	3	3	3	2	1	1	1	2	2	2	1	2
COMPILER DESIGN LAB A50587	C308.	-	3	3	-	-	-	-	-	-	-	-	-
	C308.	-	3	3	-	-	-	-	-	-	-	-	-
	C308.	-	3	3	-	-	-	-	-	-	-	-	-
	C308.	-	3	3	-	-	-	-	-	-	-	-	-
	AVG	-	3	3	-	-	-	-	-	-	-	-	-
DISTRIBUTED SYSTEMS A60521	C309.	3	2	1	-	-	1	-	-	-	-	-	-
	C309.	3	3	2	1	-	-	-	-	-	-	-	-
	C309.	3	3	2	1	-	-	-	-	-	-	-	-
	C309.	3	3	3	2	1	1	1	-	1	1	-	1
	AVG	3	3	2	1	1	1	1	-	1	1	-	2
INFORMATION SECURITY A60522	C310.	2	1	2	-	-	-	-	-	-	-	-	1
	C310.	2	1	2	-	-	-	-	-	-	-	-	1
	C310.	1	1	1	-	-	-	-	-	-	-	-	-
	C310.	2	1	1	-	-	-	-	-	-	-	-	-
	AVG	2	1	2	-	-	-	-	-	-	-	-	1
OBJECT ORIENTED ANALYSIS AND DESIGN A60524	C311.	2	1	2	-	-	-	-	1	-	-	-	1
	C311.	2	1	2	-	-	-	-	1	-	-	-	1
	C311.	2	1	1	-	-	-	-	1	-	-	-	1
	C311.	1	1	1	-	-	-	-	-	-	-	-	1
	AVG	2	1	2	-	-	-	-	1	-	-	-	1

SOFTWARE TESTING METHODOLOGIES A60525	C312.	2	1	3	-	-	3	-	-	3	-	-	-
	C312.	-	-	3	-	-	2	-	-	-	-	-	-
	C312.	2	-	2	-	-	2	-	-	-	-	-	1
	C312.	-	-	3	-	-	-	-	1	-	1	1	1
	AVG	2	1	3	-	-	2	-	1	1	1	1	1
MANAGERIAL ECONOMICS AND FINANCIAL ANALYSIS A60010	C313.	1	1	-	1	-	-	-	-	-	-	-	1
	C313.	1	-	-	1	-	-	-	-	-	-	-	1
	C313.	1	1	-	1	-	-	-	-	-	-	-	1
	C313.	1	1	-	1	-	-	-	-	-	-	-	-
	AVG	1	1	-	1	-	-	-	-	-	-	-	-
WEB TECHNOLOGIES A60512	C314.	-	-	-	-	-	-	-	-	-	-	-	-
	C314.	3	3	-	-	-	-	-	-	-	-	-	-
	C314.	-	-	2	2	-	-	-	-	-	-	-	-
	C314.	-	-	2	-	-	-	-	-	-	-	-	-
	AVG	1	3	2	2	-	-	-	-	-	-	-	-
CASE TOOLS AND WEB TECHNOLOGIES LAB A60591	C315.	2	1	-	1	2	-	-	-	-	-	-	1
	C315.	1	1	-	1	2	-	-	-	-	-	-	1
	C315.	1	2	-	1	1	-	-	-	-	-	-	1
	C315.	2	2	-	1	1	-	-	-	-	-	-	1
	AVG	2	2	-	1	2	-	-	-	-	-	-	1
ADVANCED COMMUNICATION SKILLS LAB A60086	C316.	3	3	-	1	-	-	-	-	1	1	-	1
	C316.	3	2	-	-	-	-	-	-	1	1	-	1
	C316.	2	3	-	-	1	1	-	-	1	1	-	1
	C316.	3	3	2	-	-	-	1	-	1	1	-	-

	AVG	3	3	2	1	1	1	1	-	1	1	-	1
LINUX PROGRAMMING A70511	C401.	2	2	2	1	-	1	-	-	-	-	-	1
	C401.	2	2	2	1	-	1	-	-	-	-	-	1
	C401.	2	1	2	1	-	1	-	-	-	-	-	-
	C401.	2	1	2	1	-	1	-	-	-	-	-	1
	AVG	2	2	2	1	-	1	-	-	-	-	-	1
DESIGN PATTERNS A70530	C402.	2	1	2	-	-	1	-	-	-	-	-	1
	C402.	1	1	3	-	-	1	-	-	-	-	-	1
	C402.	-	1	3	-	-	1	-	-	-	-	-	1
	C402.	1	1	3	-	-	1	-	-	-	-	-	-
	AVG	1	1	3	-	-	1	-	-	-	-	-	1
DATA WAREHOUSING AND DATA MINING A70520	C403.	3	3	2	3	-	-	-	-	-	-	3	-
	C403.	3	3	3	3	-	-	-	-	-	-	-	-
	C403.	3	3	-	3	3	3	-	-	-	-	2	2
	C403.	3	3	-	3	-	3	-	1	-	-	2	2
	AVG	3	3	3	3	3	3	-	1	-	-	2	2
ELECTIVE – 1 SOFTWARE PROJECT MANAGEMENT (A70540)	C404.	2	2	2	-	-	1	-	-	-	-	-	1
	C404.	1	2	-	2	2	-	-	-	-	-	-	1
	C404.	1	-	3	-	-	1	-	1	-	-	-	1
	C404.	2	1	1	-	-	1	-	-	-	-	1	-
	AVG	2	2	2	2	2	1	-	1	-	-	1	1
CLOUD COMPUTING A70519	C405.	2	2	2	2	2	1	-	-	-	-	-	1
	C405.	3	3	3	2	-	1	-	-	-	-	-	1
	C405.	2	2	3	2	2	-	-	-	-	-	2	1

	C405.	-	-	-	-	-	2	-	1	-	-	2	1
	AVG	2	2	3	2	2	1	-	1	-	-	2	1
ELECTIVE – 1 SOFTWARE PROJECT MANAGEMENT A70540	C406.	2	-	-	-	-	-	-	-	-	-	-	-
	C406.	1	1	-	-	3	-	-	-	-	-	-	-
	C406.	1	-	-	-	2	-	-	-	-	-	-	-
	C406.	-	-	-	2	2	-	-	-	1	-	1	-
	AVG	1	1	-	1	2	-	-	-	1	-	1	-
LINUX PROGRAMMING LAB A70596	C407.	-	-	-	-	1	-	-	-	-	-	-	2
	C407.	-	-	3	-	-	-	-	-	-	2	-	2
	C407.	-	-	3	-	-	-	-	-	-	2	-	2
	C407.	-	-	3	-	-	-	-	-	-	2	-	2
	AVG	-	-	3	-	1	-	-	-	-	2	-	2
DATA WAREHOUSING AND MINING LAB	C408.	1	3	-	-	-	-	-	-	-	-	-	-
	C408.	-	2	1	-	-	-	-	-	-	-	-	-
	C408.	-	2	-	-	1	-	-	-	-	-	-	-
	C408.	-	-	-	1	1	-	-	-	-	-	-	-
	AVG	1	2	1	1	1	-	-	-	-	-	-	-
MANAGEMENT SCIENCE A80014	C409.	3	3	-	-	-	-	-	1	-	-	2	-
	C409.	3	2	2	-	2	-	-	1	-	-	2	1
	C409.	3	3	2	3	-	-	-	-	-	-	3	1
	C409.	3	-	-	3	-	1	1	-	-	-	2	-
	AVG	3	3	2	3	2	1	1	1	-	-	2	1
ELECTIVE – 3 MULTIMEDIA &	C410.	2	1	1	-	-	1	-	-	-	-	-	1
	C410.	1	1	-	-	-	-	-	-	-	-	-	1

RICH INTERNET APPLICATIONS A80551	C410.	1	1	1	-	-	1	-	-	-	-	-	1
	C410.	2	-	1	-	-	1	-	-	-	-	-	1
	AVG	2	1	1	-	-	1	-	-	-	-	-	1
ELECTIVE – 4 STORAGE AREA NETWORKS A80542	C411.	2	-	-	-	-	-	-	-	-	-	2	3
	C411.	2	-	-	-	-	-	-	-	-	-	3	3
	C411.	2	2	-	-	-	-	-	-	-	-	3	3
	C411.	2	2	-	-	-	-	-	-	-	-	3	2
	AVG	2	2	-	-	-	-	-	-	-	-	3	3
INDUSTRY ORIENTED MINI PROJECT A80087	C412.	3	3	3	3	3	-	-	-	3	1	1	-
	C412.	3	3	3	2	3	-	-	-	3	2	1	-
	C412.	3	3	3	2	3	-	-	-	2	2	-	-
	C412.	-	3	2	3	3	-	1	-	3	-	-	-
	AVG	3	3	3	3	3	-	1	-	3	2	1	-
SEMINAR A80089	C413.	1	-	1	1	-	-	-	-	-	-	-	1
	C413.	1	-	1	-	-	-	-	-	-	-	-	-
	C413.	-	-	1	1	-	-	-	-	-	-	-	1
	C413.	1	-	-	1	-	-	-	-	-	-	-	-
	AVG	1	-	1	1	-	-	-	-	-	-	-	1
PROJECT WORK A80088	C414.	3	3	3	3	3	-	-	-	2	2	3	-
	C414.	3	3	3	2	3	-	-	-	3	2	2	-
	C414.	3	3	3	2	3	-	-	-	3	3	3	-
	C414.	-	3	2	3	3	-	1	-	3	-	2	-
	AVG	3	3	3	3	3	-	1	-	3	2	3	-
COMPREHENSIVE	C415.	2	1	-	-	-	-	-	1	-	-	-	2

VE VIVA A80090	C415.	1	-	-	-	-	-	-	1	-	-	-	3
		1	1	-	-	-	-	-	-	-	-	-	3
	C415.	-	-	-	-	-	-	-	1	-	-	-	-
	AVG	1	1	-	-	-	-	-	1	-	-	-	3

ACADEMIC BATCH: 2015-2019

3.1.3 – B Program level Course-PSO matrix of all courses INCLUDING First Year Courses

Course Name/Code	CO	PSO1	PSO2	PSO3
ENGLISH A10001	C101.1	-	-	1
	C101.2	-	2	1
	C101.3	-	1	1
	C101.4	-	1	2
	AVG	-	1	1
MATHEMATICS01 A10002	C102.1	3	-	-
	C102.2	3	1	-
	C102.3	3	1	2
	C102.4	3	1	1
	AVG	3	1	1
MATHEMATICAL METHODS A10003	C103.1	3	-	-
	C103.2	3	1	1
	C103.3	3	2	2

	C103.4	3	1	1
	AVG	3	1	1
ENGG PHYSICS A10004	C104.1	2	1	-
	C104.2	2	1	-
	C104.3	2	1	-
	C104.4	3	1	-
	AVG	2	1	-
ENGG CHEM A10005	C105.1	1	-	2
	C105.2	1	-	1
	C105.3	2	1	2
	C105.4	1	-	1
	AVG	1	1	2
COMPUTER PROGRAMMING A10501	C106.1	2	3	1
	C106.2	2	1	1
	C106.3	3	2	2
	C106.4	3	2	1
	AVG	3	2	1
ENGINEERING DRAWING A10301	C107.1	3	2	2
	C107.2	3	1	1
	C107.3	3	1	1
	C107.4	2	1	-
	AVG	3	1	1
COMPUTER PROGRAMMING LAB	C108.1	3	2	2
	C108.2	3	2	1

A10581	C108.3	3	2	1
	C108.4	3	1	1
	AVG	3	2	1
ENGINEERING PHYSICS / ENGINEERING CHEMISTRY LAB. A10081	C109.1	2	1	1
	C109.2	1	-	1
	C109.3	1	1	-
	C109.4	2	1	2
	AVG	2	1	1
ENGLISH LANGUAGE COMMUNICATION SKILLS LAB. A10083	C110.1	-	3	2
	C110.2	-	2	1
	C110.3	1	3	1
	C110.4	1	3	2
	AVG	1	3	2
IT WORKSHOP / ENGINEERING WORKSHOP A10082	C111.1	2	2	1
	C111.2	3	2	1
	C111.3	3	3	2
	C111.4	3	2	2
	AVG	3	2	2
PROB.& STAT A30008	C201.1	3	1	1
	C201.2	3	2	1
	C201.3	3	1	1
	C201.4	2	2	1
	AVG	3	2	1
	C202.1	3	1	1

MFCS A30504	C202.2	2	1	-
	C202.3	3	2	1
	C202.4	3	2	2
	AVG	3	2	1
DATA STRUCTURES A30502	C203.1	3	3	2
	C203.2	3	2	2
	C203.3	3	1	-
	C203.4	3	2	-
	AVG	3	2	2
DIGITAL LOGIC DESIGN A30401	C204.1	3	1	-
	C204.2	3	2	-
	C204.3	2	2	-
	C204.4	2	2	1
	AVG	3	2	1
ELECTRONIC DEVICES AND CIRCUITS A30404	C205.1	3	1	-
	C205.2	3	2	-
	C205.3	3	2	3
	C205.4	2	1	-
	AVG	3	2	3
BASIC ELECTRICAL ENGINEERING A30202	C206.1	3	1	-
	C206.2	1	1	-
	C206.3	2	1	-
	C206.4	2	2	1
	AVG	2	1	1

ELECTRICAL AND ELECTRONICS LAB A30282	C207.1	3	2	1
	C207.2	3	1	-
	C207.3	3	1	1
	C207.4	3	-	-
	AVG	3	1	1
DATA STRUCTURES LAB A30582	C208.1	3	3	1
	C208.2	3	2	1
	C208.3	3	1	-
	C208.4	3	2	-
	AVG	3	2	1
COMPUTER ORGANIZATION A40506	C209.1	1	-	-
	C209.2	2	1	-
	C209.3	3	2	-
	C209.4	2	1	-
	AVG	2	1	1
DATABASE MANAGEMENT SYSTEMS A40507	C210.1	2	1	-
	C210.2	2	2	1
	C210.3	3	2	1
	C210.4	3	2	2
	AVG	3	2	1
JAVA PROGRAMMING A40503	C211.1	2	2	1
	C211.2	3	2	1
	C211.3	3	2	1
	C211.4	3	3	3

	AVG	3	2	2
ENVIRONMENTAL STUDIES A40009	C212.1	-	1	3
	C212.2	1	2	2
	C212.3	1	-	2
	C212.4	1	1	2
	AVG	1	1	2
FORMAL LANGUAGES AND AUTOMATA THEORY A40509	C213.1	3	2	-
	C213.2	2	1	-
	C213.3	3	3	1
	C213.4	3	2	1
	AVG	3	2	1
DESIGN AND ANALYSIS OF ALGORITHMS A40508	C214.1	3	2	1
	C214.2	3	2	-
	C214.3	2	1	-
	C214.4	3	3	1
	AVG	3	2	1
JAVA PROGRAMMING LAB A40585	C215.1	2	2	-
	C215.2	3	2	-
	C215.3	3	3	1
	C215.4	2	1	1
	AVG	3	2	1
DATABASE MANAGEMENT SYSTEMS LAB	C216.1	2	2	-
	C216.2	3	2	-
	C216.3	3	2	2

A40584	C216.4	3	3	1
	AVG	3	2	1
PRINCIPLES OF PROGRAMMING LANGUAGES A50511	C301.1	3	2	-
	C301.2	3	2	-
	C301.3	1	1	-
	C301.4	2	-	-
	AVG	2	1	-
INTELLECTUAL PROPERTY RIGHTS A50017	C302.1	-	-	3
	C302.2	-	-	3
	C302.3	-	1	1
	C302.4	-	1	1
	AVG	-	1	2
SOFTWARE ENGINEERING A50518	C303.1	2	2	2
	C303.2	3	3	2
	C303.3	2	3	3
	C303.4	2	3	3
	AVG	2	3	3
COMPILER DESIGN A50514	C304.1	2	2	1
	C304.2	3	3	-
	C304.3	3	3	-
	C304.4	3	3	1
	AVG	3	3	1
OPERATING SYSTEMS	C305.1	3	3	2
	C305.2	3	3	2

A50510	C305.3	3	2	1
	C305.4	2	1	1
	AVG	3	2	2
COMPUTER NETWORKS A50515	C306.1	2	-	-
	C306.2	-	2	-
	C306.3	2	-	-
	C306.4	2	2	-
	AVG	2	1	-
OPERATING SYSTEMS LAB A50589	C307.1	3	3	-
	C307.2	3	3	1
	C307.3	3	2	2
	C307.4	3	2	1
	AVG	3	3	1
COMPILER DESIGN LAB A50587	C308.1	-	3	1
	C308.2	-	3	1
	C308.3	-	3	-
	C308.4	-	3	1
	AVG	-	3	1
DISTRIBUTED SYSTEMS A60521	C309.1	2	2	1
	C309.2	3	3	3
	C309.3	3	2	1
	C309.4	3	3	2
	AVG	3	3	2
INFORMATION	C310.1	3	1	-

SECURITY A60522	C310.2	3	-	-
	C310.3	3	1	-
	C310.4	3	-	-
	AVG	3	1	-
OBJECT ORIENTED ANALYSIS AND DESIGN A60524	C311.1	3	3	1
	C311.2	2	2	-
	C311.3	2	2	1
	C311.4	3	3	2
	AVG	3	3	1
SOFTWARE TESTING METHODOLOGIES A60525	C312.1	2	2	3
	C312.2	3	2	3
	C312.3	3	2	2
	C312.4	3	3	3
	AVG	3	2	3
MANAGERIAL ECONOMICS AND FINANCIAL ANALYSIS A60010	C313.1	1	1	3
	C313.2	1	1	3
	C313.3	-	-	3
	C313.4	-	-	3
	AVG	1	1	3
WEB TECHNOLOGIES A60512	C314.1	3	3	1
	C314.2	3	3	2
	C314.3	3	2	2
	C314.4	3	3	3
	AVG	3	3	2

CASE TOOLS AND WEB TECHNOLOGIES LAB A60591	C315.1	2	2	2
	C315.2	3	3	3
	C315.3	3	3	3
	C315.4	3	3	3
	AVG	3	3	3
ADVANCED COMMUNICATION SKILLS LAB A60086	C316.1	-	3	3
	C316.2	-	3	3
	C316.3	-	3	3
	C316.4	-	3	3
	AVG	-	3	3
LINUX PROGRAMMING A70511	C401.1	3	2	1
	C401.2	2	2	1
	C401.3	2	2	2
	C401.4	3	2	2
	AVG	3	2	2
DESIGN PATTERNS A70530	C402.1	2	-	-
	C402.2	2	1	1
	C402.3	2	1	3
	C402.4	3	1	2
	AVG	2	1	2
DATA WAREHOUSING AND DATA MINING A70520	C403.1	2	2	3
	C403.2	3	3	2
	C403.3	2	2	2
	C403.4	2	2	1

	AVG	2	2	2
ELECTIVE – 1 SOFTWARE PROJECT MANAGEMENT (A70540)	C404.1	3	3	3
	C404.2	3	3	3
	C404.3	3	2	2
	C404.4	3	3	3
	AVG	3	3	3
CLOUD COMPUTING A70519	C405.1	3	2	3
	C405.2	2	3	3
	C405.3	3	3	3
	C405.4	3	3	3
	AVG	3	3	3
ELECTIVE – 1 SOFTWARE PROJECT MANAGEMENT A70540	C406.1	2	1	3
	C406.2	2	1	3
	C406.3	1	1	3
	C406.4	3	2	3
	AVG	2	1	3
LINUX PROGRAMMING LAB A70596	C407.1	2	2	1
	C407.2	3	2	2
	C407.3	3	1	2
	C407.4	2	2	1
	AVG	3	2	2
DATA WAREHOUSING AND MINING LAB A70595	C408.1	3	2	2
	C408.2	3	3	2
	C408.3	3	3	3

	C408.4	3	3	3
	AVG	3	3	3
MANAGEMENT SCIENCE A80014	C409.1	1	2	2
	C409.2	2	2	3
	C409.3	2	1	2
	C409.4	2	2	2
	AVG	2	1	2
ELECTIVE – 3 MULTIMEDIA & RICH INTERNET APPLICATIONS A80551	C410.1	3	3	3
	C410.2	3	3	3
	C410.3	3	3	3
	C410.4	2	2	1
	AVG	3	3	3
ELECTIVE – 4 STORAGE AREA NETWORKS A80542	C411.1	2	2	1
	C411.2	2	2	1
	C411.3	2	2	2
	C411.4	2	2	3
	AVG	2	2	2
INDUSTRY ORIENTED MINI PROJECT A80087	C412.1	3	3	3
	C412.2	3	3	3
	C412.3	3	3	3
	C412.4	3	3	3
	AVG	3	3	3
SEMINAR	C413.1	2	3	2
	C413.2	3	3	3

A80089	C413.3	1	3	3
	C413.4	2	3	3
	AVG	2	3	3
PROJECT WORK A80088	C414.1	2	3	2
	C414.2	3	3	3
	C414.3	3	3	3
	C414.4	3	3	3
	AVG	3	3	3
COMPREHENSIVE VIVA A80090	C415.1	-	3	3
	C415.2	2	2	3
	C415.3	-	3	2
	C415.4	-	2	2
	AVG	2	3	3

Total Marks 50.00

Institute Marks : 10.00

3.2. Record CO Attainment

Course Code	Semester	Course Name	CO Attainments		
			IA (30%)	EA (70%)	CA
C101	I	English	98.50	100.00	99.55
C102	I	Mathematics – I	99.00	86.50	90.25
C103	I	Mathematical Methods	92.00	89.50	90.25
C104	I	Engineering Physics	83.50	94.50	91.20
C105	I	Engineering Chemistry	96.00	87.50	90.05
C106	I	Computer Programming	82.50	93.00	89.85
C107	I	Engineering Drawing	96.43	96.43	96.43
C108	I	Computer Programming	100.00	100.00	100.00

C109	I	Engineering Physics /	100.00	100.00	100.00
C110	I	English Language	100.00	100.00	100.00
C111	I	IT Workshop / Engineering	100.00	100.00	100.00
C201	III	Probability and Statistics	92.00	65.00	73.10
C202	III	Mathematical Foundations	98.00	70.50	78.75
C203	III	Data Structures	98.00	89.50	92.05
C204	III	Digital Logic Design	98.00	75.50	82.25
C205	III	Electronic Devices and	98.50	65.00	75.05
C206	III	Basic Electrical Engineering	96.50	70.00	77.95
C207	III	Electrical and Electronics	99.15	76.31	83.16
C208	III	Data Structures Lab	99.15	100.00	99.75
C209	IV	Computer Organization	81.50	72.00	74.85
C210	IV	Database Management	81.50	72.00	74.85
C211	IV	Java Programming	98.00	72.00	79.80
C212	IV	Environmental studies	79.00	73.00	74.80
C213	IV	Formal Languages and	96.00	59.00	70.10
C214	IV	Design and Analysis of	100.00	31.00	51.70
C215	IV	Java Programming Lab	100.00	98.08	98.66
C216	IV	Database Management	100.00	99.04	99.33
C301	V	Principles of Programming	99.00	42.00	59.10
C302	V	Intellectual Property Rights	100.00	84.00	88.80
C303	V	Software Engineering	99.00	82.50	87.45
C304	V	Compiler Design	100.00	73.00	81.10
C305	V	Operating Systems	100.00	72.50	80.75
C306	V	Computer Networks	100.00	73.00	81.10
C307	V	Operating Systems Lab	100.00	98.00	98.60
C308	V	Compiler Design Lab	100.00	98.00	98.60
C309	VI	Distributed Systems	100.00	51.00	65.70
C310	VI	Information Security	100.00	70.00	79.00
C311	VI	Object Oriented Analysis	100.00	39.00	57.30
C312	VI	Software Testing	100.00	67.50	77.25
C313	VI	Managerial Economics and	97.00	85.00	88.60
C314	VI	Web Technologies	100.00	45.50	61.85
C315	VI	Case Tools and Web	98.00	98.00	98.00

C316	VI	Advanced Communication	98.00	98.00	98.00
C401	VII	Linux Programming	98.50	88.00	91.15
C402	VII	Design Patterns	99.50	78.50	84.80
C403	VII	Data Warehousing and Data	99.50	93.50	95.30
C404	VII	Software Project	99.50	85.00	89.35
C405	VII	Cloud Computing	98.50	88.00	91.15
C406	VII	Computer Forensics	99.36	92.50	94.56
C407	VII	Linux Programming Lab	100.00	100.00	100.00
C408	VII	Data Warehousing and	100.00	100.00	100.00
C409	VIII	Management Science	98.00	50.00	64.40
C410	VIII	Multimedia & Rich Internet	100.00	68.00	77.60
C411	VIII	Storage Area Networks	99.00	86.00	89.90
C412	VIII	Industry Oriented Mini	100.00	100.00	100.00
C413	VIII	Seminar	100.00	100.00	100.00
C414	VIII	Project Work	100.00	100.00	100.00
C415	VIII	Comprehensive Viva	100.00	100.00	100.00

3.2 Provide results of evaluation of PO&PSO (40)

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C101	0.25		0.75		0.25	0.25		0.50				0.75
C102	2.70	1.80	2.25	0.90								0.45
C103	2.71	2.71	1.80	1.35								0.46
C104	1.82	0.91	1.36	1.36	0.45							0.68
C105	2.26	1.81	1.58	1.35								0.57
C106	2.04	1.36	1.47		0.45							
C107	3.00	2.00	3.00	2.00		1.00						1.00
C108	2.50	1.50	3.00	1.50		0.75						1.00
C109	3.00	1.50	2.00	1.50	1.00	0.75						0.50
C110	1.00	1.00						2.00	1.50			1.00
C111	2.50	1.50	3.00	1.50								1.00

C201	1.82	1.82	1.82	1.09	0.54	0.73						0.73
C202	1.97	1.97	1.38	1.18	0.59							0.79
C203	0.92	0.92	1.38	0.69								0.46
C204	1.23	0.41	0.21		1.23					0.20		
C205	1.13	1.31	0.94	0.75			0.37			0.19		0.75
C206	1.16	0.77	0.96	0.58			0.48			0.19		0.77
C207	1.25	1.46	1.25	0.62	0.62		0.42					0.83
C208	1.47	0.74	0.98	0.74	0.74							0.49
C209	1.30	0.75	0.75	0.37	0.56		0.37			0.19		
C210	1.31	1.31	0.00	0.16	0.66							
C211	1.60	1.60	0.20	0.20	0.80							
C212	0.56	0.38					0.38	0.19				0.75
C213		0.35	0.18	0.35	0.35							
C214	1.08	1.23	0.15		1.54	0.15					0.46	1.38
C215	1.73	2.72	2.48	1.73	1.49		1.49	1.73	1.49	1.49	1.49	0.25
C216	0.25	1.73	0.25	0.25	0.50							
C301	1.42	0.81	0.81	0.41	0.41		0.41			0.21		
C302	0.67	0.23						1.78				0.89
C303	1.03	0.59	0.59	0.30	0.30		0.30			0.16		
C304	0.90	0.90	2.03		0.90			0.45				0.45
C305	0.41	0.41	0.41	0.61								
C306	1.62	1.62	0.21		1.62	0.21	0.21	0.00	0.21	0.21		
C307	2.97	2.97	2.48	1.73	0.99	0.50	0.50	1.24	1.24	1.24	0.99	1.73
C308		2.97	2.97									
C309	2.43	2.23	1.62	0.81	0.21	0.41	0.21	0.00	0.21	0.21		0.21
C310	1.63	0.93	1.40									0.47
C311	1.01	0.58	0.87	0.44				0.44				0.58

C312	0.77	0.20	2.12			1.35		0.20	0.58	0.20	0.20	0.39
C313	0.89	0.67	0.45	0.89								0.67
C314	0.47	0.47	0.62	0.32								
C315	1.47	1.47		0.74	1.47							0.98
C316	2.70	2.70	2.44	0.25	0.25	0.22			0.98	0.98		0.74
C401	1.82	1.37	1.82	0.91		0.91						0.68
C402	0.85	0.85	2.33	0.85		0.85						0.64
C403	2.85	2.85	1.19	2.85	0.71	1.43		0.24			1.66	0.95
C405	1.59	1.59	1.82	1.37	0.91	0.91		0.23			0.91	0.91
C404	0.87	0.76	0.90	0.39	0.34	0.45		0.14			0.22	0.45
C406	0.94	0.95	2.60			0.95						0.71
C407			2.44		0.25					1.50		2.00
C408	0.25	1.75	0.25	0.25	0.50							
C409	1.91	1.27	0.54	0.96	0.31	0.16	0.16	0.31			1.43	0.31
C410	1.16	0.58	0.30			0.58						0.78
C411	1.80	0.90									2.47	2.47
C412	0.45	0.22									0.62	
C413	0.75	3.00	0.75	0.75								0.50
C414	1.50	3.00	2.25	2.00								
C415	1.00	0.50						0.75				2.00

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO Attainment	1.47	1.34	1.36	0.92	0.70	0.66	0.44	0.64	0.88	0.53	1.05	0.81
Direct	1.10	1.00	1.02	0.69	0.52	0.50	0.33	0.48	0.66	0.40	0.78	0.61

Attainment												
Indirect Attainment	0.31	0.23	0.34	0.23	0.17	0.17	0.11	0.17	0.22	0.13	0.26	0.35

PSO Attainment

Course	PSO1	PSO2	PSO3
C101		1.00	1.25
C102	2.70	0.68	0.68
C103	2.71	2.71	1.80
C104	2.05	0.91	
C105	1.13	0.23	1.35
C106	2.24	1.79	1.12
C107	2.75	1.25	1.00
C108	2.75	2.25	1.50
C109	1.50	0.75	1.00
C110	0.50	2.75	1.50
C111	1.50	2.25	1.50
C201	2.00	1.10	0.73
C202	2.17	1.18	0.79
C203	2.76	1.84	0.92
C204	2.05	1.44	0.20
C205	2.06	1.13	0.56
C206	2.06	1.13	0.56
C207	2.49	0.83	0.42
C208	2.94	1.96	0.49
C209	1.49	0.75	0.88
C210	1.64	1.15	0.89
C211	2.20	1.80	1.20
C212	0.56	0.75	1.69
C213	1.93	1.40	0.35
C214	1.69	1.23	0.31
C215	2.48	1.73	0.50
C216	2.72	1.49	0.74
C301	1.18	0.59	
C302		0.45	0.50
C303	1.97	2.41	2.75
C304	1.62	0.72	
C305	2.23	1.83	1.22
C306	1.22	0.81	
C307	2.97	2.48	0.99
C308	2.72	2.97	0.74

C309	2.23	2.03	1.42
C310	2.23	2.03	
C311	1.44	1.44	0.58
C312	2.12	1.74	2.12
C313	0.45	0.45	2.66
C314	1.86	1.71	1.24
C315	2.70	2.70	2.70
C316		2.94	2.94
C401	2.28	1.82	1.37
C402	1.91	0.64	1.27
C403	2.14	2.14	1.90
C404	1.66	1.24	1.57
C405	2.51	0.04	2.73
C406	2.13	0.71	1.42
C407	2.50	1.75	1.50
C408	3.00	2.75	2.50
C409	1.11	1.11	1.75
C410	2.13	2.13	2.75
C411	1.80	0.90	1.00
C412	0.45	0.22	0.25
C413	2.00	3.00	2.75
C414	2.75	3.00	2.75
C415	0.50	2.50	2.50

PSO Attainment Level

Course	PSO1	PSO2	PSO3
Direct Attainment	1.48	1.15	1.02
Indirect Attainment	0.31	0.50	0.48
Overall Attainment	1.98	1.53	1.35

4. STUDENTS' PERFORMANCE (150)

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2019-2020	2018-2019	2017-2018	2016-2017	2015-2016	2014-2015	2013-2014

Sanctioned intake of the program (N)	120	120	120	120	120	120	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)	117	119	109	107	114	107	47
Number of students admitted in 2nd year in the same batch via lateral entry (N2)	0	11	1	2	1	1	1
Separate division students, if applicable (N3)	0	0	0	0	0	0	0
Total number of students admitted in the Program (N1 + N2 + N3)	117	130	110	109	115	108	48

Table B.4a

CAY – Current Academic Year

CAYm1- Current Academic Year minus1= Current Assessment Year

CAYm2 - Current Academic Year minus2=Current Assessment Year minus 1

LYG – Last Year Graduate minus 1

LYGm1 – Last Year Graduate minus 1

LYGm2 – Last Year Graduate minus 2

Year of entry	N1 + N2 + N3 (As defined above)	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
2019-2020	117				
2018-2019	130	66			
2017-2018	110	48	38		

2016-2017	109	61	60	52	
2015-2016	115	55	45	45	40
2014-2015	108	47	40	39	30
2013-2014	48	24	22	21	20

Table B.4b

Year of entry	N1 + N2 + N3 (As defined above)	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
2019-2020	117				
2018-2019	130	119			
2017-2018	110	100	99		
2016-2017	109	99	90	90	
2015-2016	115	114	106	101	69
2014-2015	108	103	89	86	50
2013-2014	48	43	38	38	37

Table B.4c

4.1. Enrolment Ratio (20) Enrolment Ratio= N1/N

Enrolment Ratio= N1/N=20

	N	N1	Enrollment Ratio (N1/N)*100]
2019-20	120	117	97.50
2018-19	120	119	99.17

2017-18	120	109	90.83
---------	-----	-----	-------

Table B.4.1

Average (ER1+ER2+ER3)/3: 95.83

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)

SI= (Number of students who have graduated from the program without backlog)/ (Number of students admitted in the first year of that batch and actually admitted in 2nd year via lateral entry and separate division, if applicable)

Average SI = Mean of Success Index (SI) for past three batches Success rate without backlogs in any year of study = $25 \times \text{Average SI} = 1.5$

Item	2015-2016	2014-2015	2013-2014
Number of students admitted in the corresponding First Year + admitted in 2nd year via lateral entry and separate division, if applicable	115	108	48
Number of students who have graduated without backlogs in the stipulated period	40	30	20
Success Index (SI)	0.35	0.28	0.42
Average SI	0.35(8.75)		

Table B.4.2.1

4.2.2 Success rate in stipulated period of study (15)

SI= (Number of students who graduated from the program in the stipulated period of course duration)/ (Number of students admitted in the first year of that batch and actual admitted in 2nd year via lateral entry and separate division, if applicable)

Average SI = mean of Success Index (SI) for past three batches Success rate = $15 \times \text{Average SI} = 7.2$

Item	2015-	2014-	2013-
-------------	--------------	--------------	--------------

	2016	2015	2014
Number of students admitted in the corresponding First Year + admitted in 2nd year via lateral entry and separate division, if applicable	115	108	48
Number of students who have graduated in the stipulated period	69	50	37
Success Index (SI)	0.6	0.46	0.77
Average Success Index	0.61		

Table B.4.2.2

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 = 1.5 * Average API (Academic Performance Index)

API = ((Mean of 3rd Year Grade Point Average of all successful Students on a 10-point scale) or (Mean of the percentage of marks of all successful students in Third Year/10)) x (number of successful students/number of students appeared in the examination)

Successful students are those who are permitted to proceed to the final year.

Academic Performance	2018-2019	2017-2018	2016-2017
Mean of CGPA or Mean Percentage of all successful students (X)	6.38	5.70	5.23
Total no. of successful students (Y)	90	101	86
Total no. of students appeared in the examination (Z)	90	106	89
API = $x * (Y/Z)$	6.30	2.52	5.14
Average API = $(AP1 + AP2 + AP3)/3$	6.98		

Table B.4.3

4.4 Academic Performance in Second Year (15)

Academic Performance Level = $1.5 \times \text{Average API}$ (Academic Performance Index)

API = ((Mean of 2nd Year Grade Point Average of all successful Students on a 10 point scale) or (Mean of the percentage of marks of all successful students in Second Year/10)) \times (number of successful students/number of students appeared in the examination)

Successful students are those who are permitted to proceed to the Third year.

Academic Performance	2018-2019	2017-2018	2016-2017
Mean of CGPA or Mean Percentage of all successful students (X)	5.8	6.2	5.11
Total no. of successful students (Y)	99	90	106
Total no. of students appeared in the examination (Z)	101	101	115
API = $X \times (Y/Z)$	5.69	5.52	4.71
Average API = $(AP1 + AP2 + AP3)/3$	5.31 (7.96)M		

Table B.4.4

4.5 Placement, Higher Studies and Entrepreneurship (40)

Assessment Points = $40 \times \text{average placement}$

Item	2018-2019	2017-2018	2016-2017
Total No. of Final Year Students (N)	90	86	38
No. of students placed in companies or Government Sector (x)	60	31	24
No. of students admitted to higher studies with valid qualifying scores (GATE or equivalent State or National Level Tests, GRE, GMAT etc.) (y)	9	17	13
No. of students turned entrepreneur in engineering/technology (z)	0	2	0
$x + y + z =$	69	50	37
Placement Index: $(x + y + z)/N$	0.77	0.58	0.97

Average placement= (P1 + P2 + P3)/3	0.77 (30.93) M
-------------------------------------	----------------

Table B.4.5

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

Computer Science Engineering (2016-2017)				
S No	Name of the Student Placed	Enrollment Number	Name of the Employer	Appointment Letter with reference No. and Date
1	Laxman Prasad Shukla	13QM1A0514	HCL	02-04-2019
2	B. Chaitanya Kumar	13QM1A0504	Trigeo Technologies Pvt Ltd	TTP/HR-2018-15(12-08-2017)
3	G.Pavani	13QM1A0510	Trigeo Technologies Pvt Ltd	TTP/HR-2018-11(12-08-2017)
4	Mamidi.Vaishnavi	13QM1A0515	Trigeo Technologies Pvt Ltd	TTP/HR-2018-13(12-08-2017)
5	Pannala Vanaja	13QM1A0521	Trigeo Technologies Pvt Ltd	TTP/HR-2018-08(12-08-2017)
6	Payavula Monika	13QM1A0522	Kizmat Infotek	HR/2017-98(08-08-2017)
7	Peddagolla Ramu	13QM1A0523	Kizmat Infotek	HR/2017-93(08-08-2017)
8	R Santosh Babu	13QM1A0526	Kizmat Infotek	HR/2017-95(08-08-2017)
9	Sama Gyaneshwar Reddy	13QM1A0534	Kizmat Infotek	HR/2017-94(08-08-2017)
10	T Haenok Abraham	13QM1A0539	Kizmat Infotek	HR/2017-92(08-08-2017)
11	T.Suryakumari	13QM1A0541	Karvy	HR-2017/201(22-09-2017)
12	T Vamshi Krishna Goud	13QM1A0542	Karvy	HR-2017/191(22-09-2017)
13	Niharika Vantaram Srimayi	13QM1A0544	CRITICAL RIVER TECHNOLOGIES PRIVATE LIMITED	(1414/2017)16 APRIL 2019
14	Reshma Bhanu	13QM1A0533	BIRLA SOFT	(BSL/HR-2017/E-55)13 AUGUST 2019
15	Bolla Nameshh	13QM1A0505	CRITICAL RIVER TECHNOLOGIES PRIVATE LIMITED	(1416/2017)16 APRIL 2019

16	Pohar Kiran	14QM5A0501	CRITICAL RIVER TECHNOLOGIES PRIVATE LIMITED	(1413/2017)16 APRIL 2019
17	Akarapu Ramya	13QR1A0501	CRITICAL RIVER TECHNOLOGIES PRIVATE LIMITED	(1411/2017)16 APRIL 2019
18	K Akhitha	13QR1A0502	Qspiders	(2017/666) 12-08-2017
19	K Nikitha	13QR1A0503	Qspiders	(2017/661) 12-08-2017
20	Koukuntla Aishwarya	13QR1A0504	Qspiders	(2017/589) 12-08-2017
21	P Priya Reddy	13QR1A0505	Karvy	HR-2017/236(24-09-2017)
22	U Sarika	13QR1A0507	Karvy	HR-2017/230(24-09-2017)
23	V B Pravalika	13QR1A0508	Karvy	HR-2017/231(24-09-2017)
24	Archana	14QR5A0501	Karvy	HR-2017/239(24-09-2017)

Computer Science and Engineering (2017-18)				
S No	Name of the Student Placed	Enrollment Number	Name of the Employer	Appointment Letter with reference No. and Date
1	K. Gopi Krishna	14QM1A0536	ADP	2019
2	Usharani Peesari	14QM1A05A3	GENPACT	(HR/E&R/2018-105)22-09-2018
3	Kapilavai Prathyusha	14QM1A0542	GENPACT	(HR/E&R/2018-127)22-09-2018
4	Gannabathula Jagadeshwari	14QM1A0523	GENPACT	(HR/E&R/2018-111)22-09-2018
5	Barigala Sushmitha	14QM1A0512	GENPACT	(HR/E&R/2018-102)22-09-2018
6	Gandham Sneha	14QM1A0524	Qspiders	(2018/364) 08-07-2018

7	Ganji Srikanth	14QM1A0526	Qspiders	(2018/289) 08-07-2018
8	Rashmi Kumari	14QM1A0581	Qspiders	(2018/266)08-07-2018
9	Pininti Ajay Reddy	14QM1A0576	Just Dial	12-JD/2018(17-08-2018)
10	Ankenapally Revathi	14QM1A0505	Just Dial	14-JD/2018(17-08-2018)
11	Krishna Murthy	14QM1A0553	Conneqt Buisiness Solutions Ltd	CBS/HR-Admin-F/2018-077 (22-10-2018)
12	Sunil Yadav	14QM1A0595	Conneqt Buisiness Solutions Ltd	CBS/HR-Admin-F/2018-069 (21-10-2018)
13	N.V.L Neelima	14QM1A0567	Tech Mahindra	2018
14	Chakali Venkatesh	14QM1A0517	Tech Mahindra	2018
15	S.Ramya	14QM1A0586	Eureka Forbes	(EFHO/2018/Admin-441)22- 09-2018
16	K. Raghuveer Reddy	14QM1A0550		(EFHO/2018/Admin-447)22- 09-2018
17	M Sravanthi	14QM1A0556		(EFHO/2018/Admin-445)22- 09-2018
18	D. Himabindu	14QM1A0521		(EFHO/2018/Admin-440)22- 09-2018
19	Kottams Sindhu Reddy	14QM1A0538	Karvy	HR-2018/022(14-10-2018)
20	Vustela Swathi	14QM1A05A7	ARCK-IT	2018/E&R/L/14(12-09-2018)
21	Bachinappa Bala Tripura Sundara Mrunalini	14QM1A0510	ADP	2018
22	K.Shivangini Reddy	14QM1A0537	ADP	2018
23	Mohammad Irfan	14QM1A0563	EUREKA FORBES LTD	(EFHO/2018/Admin720)23- 09-2018

24	Sonti Harika	14QM1A0593		(EFHO/2018/Admin723)23-09-2018
25	M.Vasavi Reddy	14QM1A0558		(EFHO/2018/Admin724)22-09-2018
26	Barlapally Ravali	14QM1A0513		(EFHO/2018/Admin725)23-09-2018
27	Mandha Saikiran Reddy	14QM1A0562	INNOV SOURCE	2018
28	Aleti Rajitha Reddy	14QM1A0503		2018
29	Simuni Chandana Reddy	14QM1A0591	Eureka Forbes	(EFHO/2018/Admin726)23-09-2018
30	Thunga Nikitha	14QM1A05A1	Eureka Forbes	(EFHO/2018/Admin727)23-09-2018
31	Tippaniboina Swapna	14QM1A05A2	Eureka Forbes	(EFHO/2018/Admin728)23-09-2018

CSE(2018-19)				
S No	Name of the Student Placed	Enrollment Number	Name of the Employer	Appointment Letter with reference No. and Date
1	Mohammad Amer Sohel	15QM1A0567	Serole Info	HR-2019/Rect-45(26-07-2019)
2	Syed Abdul Hameed	15QM1A05A5	Serole Info	HR-2019/Rect-45(26-07-2019)
3	Syed Abdul Basith	15QM1A05A4	Sigaramtech	(HR/ST-08/012)14-07-2019
4	Vamsi Dinesh	15QM1A0584	Sigaramtech	(HR/ST-08/014)14-07-2019
5	Singani Anil Kumar	15QM1A05A0	Sigaramtech	(HR/ST-08/011)14-07-2019

6	Gogineni Vineeth Choudary	15QM1A0563	Sigaramtech	(HR/ST-08/010)14-07-2019
7	Godala Sai Nikhil Reddy	15QM1A0529	Sigaramtech	(HR/ST-08/019)14-07-2019
8	Pradeep Yadav	15QM1A0586	Sigaramtech	(HR/ST-08/022)15-07-2019
9	Sumith Kumar Singh	15QM1A05A3	Sigaramtech	(HR/ST-08/021)15-07-2019
10	Gangala Priyanka	15QM1A0524	Sigaramtech	(HR/ST-08/024)15-07-2019
11	Jyothi Priyanka Byreddy	15QM1A0513	Sigaramtech	(HR/ST-08/023)15-07-2019
12	Sravani Gadhiraju	15QM1A0522	Sigaramtech	(HR/ST-08/017)14-07-2019
13	Peravena Akhil	15QM1A0582	Sigaramtech	(HR/ST-08/016)14-07-2019
14	Padamata Anjaneya Prasad	15QM1A0579	Sigaramtech	(HR/ST-08/015)14-07-2019
15	Eedulakanti Kumar Goud	16QM5A0501	Vasudhaika	(VS/REC/062019/113)07-08-2019
16	Y Vijay Cyril	15QM1A05B5	Vasudhaika	(VS/REC/062019/114)07-08-2019
17	G. Spandana	15QM1A0526	Vasudhaika	(VS/REC/062019/117)07-08-2019
18	Akhil Yadav	15QM1A0538	Vasudhaika	(VS/REC/062019/119)07-08-2019
19	Dheeraj Kumar	15QM1A0561	Vasudhaika	(VS/REC/062019/124)08-08-2019
20	Tagore Finny	15QM1A0581	Vasudhaika	(VS/REC/062019/135)09-08-2019
21	K. Sadana	15QM1A0534	Vasudhaika	(VS/REC/062019/131)09-08-2019

22	B Jhansi Lakshmi	15QM1A0507	Vasudhaika	(VS/REC/062019/132)09-08-2019
23	Vishal Jadav	15QM1A05B4	Vasudhaika	(VS/REC/062019/133)09-08-2019
24	Nikunj Badghainya	15QM1A05B8	Vasudhaika	(VS/REC/062019/129)09-08-2019
25	C Samara Simha Reddy	15QM1A0514	Everest IMS	2019/Admin-HR-1155(21-07-2019)
26	S Loknath Reddy	15QM1A05B7	Cistron InfoTek Pvt Ltd	CIL/HR-Rect/B-022(10-08-2019)
27	Balla Vinay Yadav	15QM1A0509	Cistron InfoTek Pvt Ltd	CIL/HR-Rect/B-022(10-08-2019)
28	B Komal	15QM1A0508	Qspider's	(2019/2220) (25-08-2019)
29	Avula Siva Prasad	15QM1A0505	Qspider's	(2019/2222) (25-08-2019)
30	Taslima Nasreen	15QM1A0599	Qspider's	(2019/2225) (25-08-2019)
31	T. Gopi	15QM1A05B0	Genpact	(HR/E&R/2019-613)26-06-2019
32	Challa Adithya	15QM1A0515	Genpact	(HR/E&R/2019-594)25-06-2019
33	Doddi Swetha	15QM1A0518	Genpact	(HR/E&R/2019-588)25-06-2019
34	Durgam Ramu	15QM1A0520	Raam Group	Raam/E&R/255(22-07-2019)
35	N Vikram Chandra Goud	15QM1A0574	Raam Group	Raam/E&R/256(22-07-2019)
36	Durgam Laxman	15QM1A0519	Raam Group	Raam/E&R/257(22-07-2019)

37	Kavidi Devi Hari Kanth	15QM1A0539	Indiabulls Consumer Finance	1-2019/Engg-144(09-07-2019)
38	Kethireddu Davan	15QM1A0540	Indiabulls Consumer Finance	1-2019/Engg-142(09-07-2019)
39	Loka Dixith Reddy	15QM1A0547	Indiabulls Consumer Finance	1-2019/Engg-140(09-07-2019)
40	G Vaishnavi	15QM1A0562	Navata Road Transport	Admin/Hyd/2019-44(12-09-2019)
41	Goundla Naveen Kumar	15QM1A0532	Navata Road Transport	Admin/Hyd/2019-45(12-09-2019)
42	G Mounica	15QM1A0528	Navata Road Transport	Admin/Hyd/2019-46(12-09-2019)
43	G Shiva Datta	15QM1A0523	Navata Road Transport	Admin/Hyd/2019-49(12-09-2019)
44	Madishettiwar Suchitra Srinivas	15QM1A0549	Side Farm Pvt Ltd	(SFL/024)08-07-2019
45	Batchu Neeraja	15QM1A0510	Appolo Pharmacy Ltd	(5-2019-AO/55)11-08-2019
46	<u>Saheri Pavani</u>	15QM1A0556	Appolo Pharmacy Ltd	(5-2019-AO/65)11-08-2019
47	Tuppari Laxmi Prasanna	15QM1A0558	Sesillis Solutions Pvt Limited	(HR/Adm-07/2019-024)08-07-2019
48	Syed Azmatullah Hussain	15QM1A05A6	Sesillis Solutions Pvt Limited	(HR/Adm-07/2019-054)08-07-2019
49	Yashwanth Gaddam	15QM1A0560	Sesillis Solutions Pvt Limited	(HR/Adm-07/2019-012)08-07-2019
50	Gumpu Shravani	15QM1A0564	Sesillis Solutions Pvt	(HR/Adm-07/2019-026)08-

			Limited	07-2019
51	M Karthik	15QM1A0550	Sesillis Solutions Pvt Limited	(HR/Adm-07/2019-019)08-07-2019
52	A Akshay Kumar	15QM1A0502	Sesillis Solutions Pvt Limited	(HR/Adm-07/2019-032)08-07-2019
53	M Karthik	15QM1A0552	Sesillis Solutions Pvt Limited	(HR/Adm-07/2019-030)08-07-2019
54	Mohammed Shaibaz	15QM1A0569	Sesillis Solutions Pvt Limited	(HR/Adm-07/2019-029)08-07-2019
55	Jukanti Sandhya	15QM1A0565	Sesillis Solutions Pvt Limited	(HR/Adm-07/2019-027)08-07-2019
56	Elugala Nithin Babu	15QM1A0521	Sesillis Solutions Pvt Limited	(HR/Adm-07/2019-026)08-07-2019
57	Vanamamulai Srinivasa Varun	15QM1A05B3	Sesillis Solutions Pvt Limited	(HR/Adm-07/2019-033)08-07-2019
58	Lakshmi Kranti	15QM1A0553	Sesillis Solutions Pvt Limited	(HR/Adm-07/2019-036)08-07-2019
59	Kaduluri Venkata Charan Reddy	15QM1A0566	Sesillis Solutions Pvt Limited	(HR/Adm-07/2019-039)08-07-2019
60	T.Venu Gopalan	15QM1A0544	TCS	2019

Table B.4.5a

4.6 Professional Activities (20)

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

S. No	Professional Societies/chapters
--------------	--

1	CSI Chapter
2.	IEEE Chapter

Under IEEE:

ACADEMIC YEAR 2018-19

S. No	Title Of Workshop	Date	Organization	Target Audience
1	Orientation Program	02-02-2019	IEEE	II & III CSE
2	Poster Presentation	30-03-2019	IEEE	IEEE Registered CSE Students

Under CSI:

ACADEMIC YEAR 2019-20

S. No	Title Of Workshop	Date	Organization	Target Audience
1	Python Programming	01-10-2019 TO 05-10-2019	CSI	IV CSE
2	Python Programming & Data Exploration Programme	28-08-2019 TO 30-08-2019	NIIT	II CSE
3	IOT Workshop	20-01-2020 TO 22-01-2020	TASK	III CSE

ACADEMIC YEAR 2017-18

S. No	Title Of Workshop	Date	Organization	Target Audience
1	Web design	15-2-2018 TO 17-	Coign Consultants Pvt. Ltd	III CSE

		2-2018	Take color xerox	
2	Python Programming	18-9-2017 TO 20-9-2017	Coign Consultants Pvt. Ltd	II CSE
3	Cloud Computing	22-8-2017 TO 23-8-2017	Coign Consultants Pvt. Ltd	IV CSE

ACADEMIC YEAR 2018-19

S. No	Title of Workshop	Date	Organization	Target Audience
1	Professor Of Practice	29-10-2018 TO 30-10-2018	TASK	CSE
2	Android application development	24-9-2018 TO 26-9-2018	COIGN Consultants Pvt. Ltd	II CSE
3	Database programming with SQL	30-10-2017 TO 31-10-2018	TASK	II & III CSE
4	IOT Maker space	24-6-2019 TO 25-6-2019	Idea Labs	II, III & IV CSE
5	Beyond syllabus	15-3-2019 TO 16-3-2019	Carrier Path Solutions	III CSE
6	Data Science With R-Program	12-3-2019 TO 15-3-2019	Brain O Vision	III CSE
7	Organizational & Interview Skills	14-9-2018 TO 15-9-2018	TASK	II CSE
8	MTA DBF	27-8-2018 TO 29-8-2018	TASK	III CSE
9	TESTING TOOLS	13-3-2019	TASK	III CSE
10	Boot camp on block	8-11-2019 TO 9-11-	Mr. Pankaj Deewan	II & III CSE

	chain	2019		
11	IOT Workshop	27-3-2019 TO 28-3-2019	IOT Maker Space	II & III CSE
12	Android application development	27-9-2018 to 29-9-2018	Coign Consultants Pvt. Ltd	III CSE
13	Block chain	08-11-2019 TO 09-11-2019	Idea Labs	III CSE
14	Python Programming & Data Exploration	28-8-2019 TO 30 - 82019	NIITLTD	II CSE
15	Boot Camp On Python Programming	10-4-2019 TO 4-10-2019	KGRCET	IV CSE

Guest Lectures

S. No	Title Of Workshop	Date	Organization	Target Audience
1	Grid computing, parallel computing, distributed computing	11-3-2019	Clayton's ferener	IV CSE
2	Software quality Management	2-11-2018	R. Sravan	III CSE
3	Blockchain	27-10-2018	Jayaprakash arjarapu	IV CSE
4	Python Programming	5-10-2019	S. Venkateshwarlu	II CSE

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

Sl.No	Year	Name of the Publication of Technical Magazines/Newsletters	Month of publication
1	2020	CSE E-NEWS LETTER Volume –8	JANUARY

2	2019	CSE E-NEWS LETTER Volume –7	JULY
3	2019	CSE E-NEWS LETTER Volume – 6	JANUARY
4	2018	CSE E-NEWS LETTER Volume – 5	JULY
5	2018	CSE E-NEWS LETTER Volume – 4	JANUARY
6	2017	CSE E-NEWS LETTER Volume –3	JULY
7	2017	CSE E-NEWS LETTER Volume –2	JANUARY
8	2016	CSE E-NEWS LETTER Volume –1	JULY

4.6.3 Participation in inter-institute events by students of the program of study (10)

Participation in inter-institute events by students of the program of study (inside the state):

4.1.1 Participation in inter-institute events by students of the program of study (10)

Institute

Marks : 10.00

A) PARTICIPATION IN INTER-INSTITUTE EVENTS BY STUDENTS OF THE PROGRAM OF STUDY (IN SIDE THE STATE): 2020-2019:

Sl No	USN	Name of The Student	Title of Event	Place of Event	Date of Event	Prizes/Awards
1	16QM1A0564	P Rajani	The J-Hub Hackathon	VJIT Hyderabad	31/01/2020 To 01/02/2020	Participation
2	16QM1A0572	Ch Prem Kumar	The J-Hub Hackathon	VJIT Hyderabad	31/01/2020 To 01/02/2020	Participation
3	16QM1A0563	P Rama Devi			31/01/2020	Participation

			The J-Hub Hackathon	VJIT Hyderabad	To 01/02/2020	
4	16QM1A0563	P Kavya	The J-Hub Hackathon	VJIT Hyderabad	31/01/2020 To 01/02/2020	Participation
5	16QM1A05A1	V Krishna Sree	The J-Hub Hackathon	VJIT Hyderabad	31/01/2020 To 01/02/2020	Participation
6	16QM1A0566	Parnandi Sai Sirisha	Machine Learning With Python	JBIT Hyderabad	05/10/2019 To 09/10/2019	Participation
7	16QM1A0567	Perepalli Kavya	Machine Learning With Python	JBIT Hyderabad	05/10/2019 To 09/10/2019	Participation
8	16QM1A0563	Panala Ramadevi	Machine Learning With Python	JBIT Hyderabad	05/10/2019 To 09/10/2019	Participation
9	16QM1A0564	Pantikonda Rajani	Machine Learning With Python	JBIT Hyderabad	05/10/2019 To 09/10/2019	Participation
10	18QM1A05B4	Vineela Siddineni	Makerfaire	Hyderabad	10/11/2019	Participation
11	18QM1A05A5	T. Uttam Kumar	36 Hours Hackathon On Problem Statements Of Sih, Internal Hackathon	GCET Hyderabad	23/12/2019 To 24 /12/2019	Participation
12	18QM1A05B4	Vineela Siddineni	Menstruation	Rotaract Club Of	16/02/2020	Participation

				Hyderabad Himayathnagar		
13	18QM1A05B4	Vineela Siddineni	Makerfaire	Hyderabad	10/11/2019	Participation
14	18QM1A05B4	Vineela Siddineni	Menstruation	Rotaract Club Of Hyderabad Himayathnagar	16/02/2020	Participation
15	18QM1A05B4	Vineela Siddineni	Makerfaire	Hyderabad	10/11/2019	Participation
16	18QM1A0532	Gangiri Harathi	Clay ganesh workshop	Telangaa state pollution control board hyderabad	30/08/2019	Participation
17	18QM1A0532	Gangiri Harathi	Inter & intra college education competition	ISKON kukatpally	02/06/2020	Participation
18	18QM1A0589	R Swathi	Python programming & data exploration program	KGR CET, Hyderabad	28/10/2019 To 30/11/2019	Participation
19	17QM1A0521	Ch Maheswari	Python quiz	MRIT, Hyderabad	03/06/2020	Participation
20	18QM1A0532	G Harati	International Biodiversity Day	Hyderabad	22/05/2020	Participation
21	18QM1A0532	G Harati	Java quiz	SNTI, Hyderabad	14/05/2020	Participation
22	18QM1A0532	M Akhila	Java quiz	MRIT, Hyderabad	03/06/2020	Participation
23	18QM1A0532	M Akhila	Python quiz	MRIT, Hyderabad	03/06/2020	Participation
24	18QM1A0518	Ch Deepthi	Python programming & data exploration	KGR CET, Hyderabad	28/10/2019 To 30/11/2019	Participation

			program			
25	18QM1A0585	R. Soundarya	Java quiz	SNTI. Hyderabad	14/05/2020	Participation
26	18QM1A05A8	T Mahitha	3 days workshop on python programming	KGCET Hyderabad	28/08/2019 to 30/08/2019	Participation
27	17QM1A0521	Ch Maheswari	C programming quiz	MRIT Hyderabad	03/06/2020	Participation
28	18QM1A0564	M Akhila	Python quiz	MRIT, Hyderabad	03/06/2020	Participation
29	18QM1A0518	Ch Deepthi	Java quiz	SNTI, Hyderabad	14/05/2020	Participation

2018-2019

Sl No	USN	Name of The Student	Title of Event	Place of Event	Date of Event	Prizes/Awards
1	17QM1A0530	Gaddam Shirisha	Mobile App Development	JBIT, Hyderabad	16/08/2018 To 17/08/2018	Participation
2	16QM1A0528	Giduthuri Uma Mahesh	Mobile App Development	JBIT, Hyderabad JBIT, Hyderabad	16/08/2018 To 17/08/2018	Participation
3	16QM1A0529	Guda Sravani Reddy	Mobile App Development	JBIT, Hyderabad	16/08/2018 To 17/08/2018	Participation
4	16QM1A0547	Madapathi Pavan Kumar Swamy	Mobile App Development	JBIT, Hyderabad	16/08/2018 To 17/08/2018	Participation

						n
5	16QM1A0548	Maddi Mithilesh Reddy	Php Programming	JBIT, Hyderabad	19/11/2018 To 20/11/2018	Participation
6	15QM1A0532	Goundla Naveen Kumar	Php Programming	JBIT, Hyderabad	19/11/2018 To 20/11/2018	Participation
7	15QM1A0536	Kathrotiya Avani Patel	Php Programming	JBIT, Hyderabad	19/11/2018 To 20/11/2018	Participation
8	15QM1A0537	Katta Arun Teja	Seminar On Introduction To R Programming	JBIT, Hyderabad	19/10/2018 To 20/10/2018	Participation
9	15QM1A0538	Kavali Akhil Yadav	Seminar On Introduction To R Programming	JBIT, Hyderabad	19/10/2018 To 20/10/2018	Participation
10	15QM1A0556	Saheri Pavani	Data Science And Big Data Analytics	JBIT, Hyderabad	10/09/2018 To 15.09.2018	Participation
11	15QM1A0557	Tirunagari Sai Srujana	Data Science And Big Data Analytics	JBIT, Hyderabad	10/09/2018 To 15.09.2018	Participation
12	15QM1A0558	Tuppari Laxmi Prasanna	Data Science And Big Data Analytics	JBIT, Hyderabad	10/09/2018 To 15/09/2018	Participation
13	16QM1A0515	C Rajeswari	Web Application Development Workshop	SSM Informatics Hyderabad	15/02/2018 To 017/02/2018	Participation
14	16QM1A0510	B Navaneeth	Workshop On Data Science With R	Web Tek Labs Pvt Ltd Hyderabad	12/03/2019 To 15/03/2019	Participation

		Reddy	Programming			
15	16QM1A0510	B Navaneeth	Data Science And Big Data Analytics	JBIT Hyderabad	10/09/2018 To 15/09/2018	Participation
16	17QM1A0545	K Vasavi	E summit	VMEG Hyderabad	21/08/2020 to 22/08/2020	Participation
17	17QM1A0546	K Roopesh	E summit	VMEG Hyderabad	21/08/2020 to 22/08/2020	Participation
18	17QM1A0545	K Vasavi	E-hack	OSMANIA University Hyderabad	08/10/2018	Participation
19	17QM1A0546	K Roopesh	E-hack	OSMANIA University Hyderabad	08/10/2018	Participation
20	17QM1A0546	K Roopesh	Telangana msme expo 2018	KGR CET Hyderabad	14/10/2018	Participation
21	17QM1A0545	K Vasavi	Telangana msme expo 2018	KGR CET Hyderabad	14/10/2018	Participation
22	17QM1A0545	K Vasavi	Work shop on android application development	KGR CET Hyderabad	24/10/2018 to 26/10/2018	Participation
23	17QM1A0546	K Roopesh	Work shop on android application development	KGR CET Hyderabad	24/10/2018 to 26/10/2018	Participation
24	18QM1A0518	Ch Deepthi	C programming	Hyderabad	05/04/2018 To 19/05/2019	Participation
25	18QM1A0518	Ch Deepthi	C ++ Programming	Hyderabad	05/06/2019 To 06/07/2019	Participation

2017-2018

Sl No	USN	Name of The Student	Title of Event	Place of Event	Date of Event	Prizes/Awards
-------	-----	---------------------	----------------	----------------	---------------	---------------

1	16QM1A0575	Rangashal i Meghana	Application development using java	LORDS Hyderabad	18/09/2017 To 21/09/2017	Participation
2	16QM1A0577	Ravulakoll a Navaneeth a	Application development using java	LORDS Hyderabad	18/09/2017 To 21/09/2017	Participation
3	16QM1A0589	Suraj Dilip Aiwale	Application development using java	LORDS Hyderabad	18/09/2017 To 21/09/2017	Participation
4	16QM1A0592	Talluri Santhi Sudha	Application development using java	LORDS Hyderabad	18/09/2017 To 21/09/2017	Participation
5	16QM1A0510	B Navaneeth Reddy	Safe water for safe	Hyderabad	20/03/2017 to 21/03/2017	Participation
6	16QM1A0515	C Rajeswari	Skill development training camp	JNTUH Hyderabad	23/01/2017 to 27/01/2017	Participation
7	14QM1A0582	Ravula Ashwini	Data analytics using r	SPOORTHY Hyderabad	30/01/2018 to 01/02/2018	Participation
8	14QM1A0583	Reddy Rohit Reddy	Data analytics using r	SPOORTHY Hyderabad	30/01/2018 to 01/02/2018	Participation
9	14QM1A05A0	Thanniru Mallikharj un	Internet of things and its applications	LORDS Hyderabad	09/03/2018 To 10/03/2018	Participation
10	14QM1A05A1	Thunga Nikitha			09/03/2018	Participation

			Internet of things and its applications	LORDS Hyderabad	To 10/03/2018	
11	14QM1A05A2	Tippaniboina Swapna	Internet of things and its applications	LORDS Hyderabad	09/03/2018 To 10/03/2018	Participation
12	14QM1A05A7	Vustela Swathi	Internet of things and its applications	LORDS Hyderabad	09/03/2018 To 10/03/2018	Participation
13	16QM1A0564	P Rajani	Python	KGRCET Hyderabad	18/10/2017 To 20/10/2017	Participation
14	15QM1A0542	Kotla Manideepak	Three days workshop on “web development”	MRCET Hyderabad	06/01/2018 To 09/01/2018	Participation
15	15QM1A0582	Peravena Akhil	Three days workshop on “web development”	MRCET Hyderabad	06/01/2018 To 09/01/2018	Participation
16	15QM1A0583	Phooldandik ar Neharika	Three days workshop on “web development”	MRCET Hyderabad	06/01/2018 To 09/01/2018	Participation

B) PARTICIPATION IN INTER-INSTITUTE EVENTS BY STUDENTS OF THE PROGRAM OF STUDY (OUT SIDE THE STATE): 2019-2020

Sl No	USN	Name of The Student	Title of Event	Place of Event	Date of Event	Prizes/Awards
1	18QM1A0508	Appala Ravi Teja	Workshop on user experience design	D.Y PATIL College of engineering pune	11/01/2020	Participation

2	18QM1A0505	Akash Makane	Workshop on user experience design	D.Y PATIL College of engineering pune	11/01/2020	Participation
3	18QM1A0503	A Mary Shylu	Workshop on user experience design	D.Y PATIL College of engineering pune	11/01/2020	Participation
4	18QM1A0516	Boja Yashoda Krishna	Workshop on user experience design	D.Y PATIL College of engineering pune	11/01/2020	Participation
	17QM1A0504	Ajit Kulkarni	Android apps development	D.Y PATIL College of engineering pune	17/06/2019 to 22/06/2019	Participation
6	17QM1A0519	Chirag KeerthiSree	Android apps development	D.Y PATIL College of engineering pune	17/06/2019 to 22/06/2019	Participation
7	17QM1A0523	D Vivek	Android apps development	D.Y PATIL College of Engineering, Pune	17/06/2019 to 22/06/2019	Participation
	18QM1A0585	R. Soundarya	C tutorial course, sololearn	Sololearn	13/03/2020	Participation
9	18QM1A0585	R. Soundarya	Sql tutorial course, sololearn	Sololearn	04/03/2020	Participation

10	18QM1A058 5	R. Soundarya	Java tutorial course,sololea rn	Sololearn	08/03/202 0	Participation
11	18QM1A058 9	R Swathi	Online quize	MSAJCE Chennai	23/05/202 0	Participation
12	18QM1A058 9	R Swathi	Sql tutorial course,sololearn	Sololearn	05/03/202 0	Participation
13	18QM1A058 9	R Swathi	Java tutorial course,sololea rn	Sololearn	05/03/202 0	Participation
14	18QM1A058 5	R. Soundarya	Online quize	MSAJCE Chennai	23/05/202 0	Participation
15	18QM1A058 5	R. Soundarya	Webinar for career option after engineering	CITE Andhra pradesh	30/05/202 0	Participation
16	18QM1A058 9	R Swathi	Certificate for completion of c	IIT Bombay	12/11/201 9	Participation
17	18QM1A058 5	R. Soundarya	Certificate for completion of c	IIT Bombay	12/11/201 9	Participation
18	18QM1A051 8	Ch Deepthi	National level technical online quiz	LBREC Andhra pradesh	03/06/202 0	Participation
19	18QM1A051	Ch Deepthi	Webinar for career option after	CITE Andhra pradesh	30/05/202	Participation

	8		engineering		0	
20	18QM1A051 8	Ch Deepthi	Java course by Udemey	Udemey	19/06/202 0	Participation
21	18QM1A056 4	M Akhila	3 day online student development program	BIET Andhra pradesh	01/06/202 0 To 03/06/20 20	Participation
22	18QM1A058 9	R Swathi	Online sports quiz	MSAJCE Chennai	23/05/202 0	Participation
23	18QM1A058 9	R Swathi	Java tutorial course, sololearn	Sololearn	03/05/202 0	Participation
24	18QM1A058 9	R Swathi	Sql tutorial course, sololearn	Sololearn	08/03/202 0	Participation
25	17QM1A055 2	G Lalchand	Online quiz program entitled html	AVCCE Chennai	13/05/202 0	Participation
26	18QM1A051 8	Ch Deepthi	Recent trends in automotive industry	CITE Andhra pradesh	11/06/202 0	Participation
27	17QM1A052 1	Chityala Maheshw ari	Online quiz on html	AVCCE Chennai	15/05/202 0	Participation
28	18QM1A051 8	Ch Deepthi	Online sports quiz	MSAJCE Chennai	23/05/202 0	Participation

2018-219

Sl No	USN	Name of The Student	Title of Event	Place of Event	Date of Event	Prizes/Awards
1	17QM1A0505	Akkaladevi Sandeep	Rapid mobile application development	CITE Andhra Pradesh	11/03/2019 To 13/03/2019	Participation
2	17QM1A0506	Amrabad Shiva Bharghav	Rapid mobile application development	CITE Andhra pradesh	11/03/2019 To 13/03/2019	Participation
3	17QM1A0507	Arelly Sri Chaithanya Kumar	Rapid mobile application development	CITE Andhra pradesh	11/03/2019 To 13/03/2019	Participation
4	17QM1A0508	Avula Neha	Rapid mobile application development	CITE Andra pradesh	11/03/2019 To 13/03/2019	Participation
5	16QM1A0527	Gaddam Gangajamuna	A one day workshop on " gaming hackathon "	PACE Andhra pradesh	04/10/2018	Participation
6	16QM1A0528	Giduthuri Uma Mahesh	A one day workshop on " gaming hackathon "	PACE Andhra pradesh	04/10/2018	Participation
7	16QM1A0529	Guda Sravani Reddy	Data science in python	D.Y PATIL College of engineering pune	24/10/2018 To 25/10/2018	Participation
8	16QM1A0527	Gaddam Gangajamuna	Data science in python	D.Y PATIL College of engineering pune	24/10/2018 To 25/10/2018	Participation
9	15QM1A0528	Gelli Mounika	Data science in python	D.Y PATIL College of engineering pune	24/10/2018 To	Participation

					25/10/2018	
10	16QM1A0554	Menthula Thanuja	A one day workshop on " gaming hackathon "	PACE Andhra pradesh	04/10/2018	Participation
11	16QM1A0556	Myadam Sneetha	A one day workshop on " gaming hackathon "	PACE Andhra pradesh	04/10/2018	Participation
12	16QM1A0549	Madi Shalini Reddy	A one day workshop on " gaming hackathon "	PACE Andhra pradesh	04/10/2018	Participation
13	15QM1A0529	Godala Sai Nikhil Reddy	Data science in python	D.Y PATIL College of Engineering pune	24/10/2018 To 25/10/2018	Participation
14	16QM1A0577	Ravulakolla Navaneetha	2 says workshop on cyber security and malware analysis	LBREC Andhra pradesh	13/12/2018 To 14/12/2018	Participation
15	16QM1A0584	Sohail Mohammed	2 says workshop on cyber security and malware analysis	LBREC Andhra pradesh	13/12/2018 To 14/12/2018	Participation
16	16QM1A0597	Vadde Krishna	2 says workshop on cyber security and malware analysis	LBREC Andhra pradesh	13/12/2018 To 14/12/2018	Participation

2017-2019

Sl No	USN	Name of The Student	Title of Event	Place of Event	Date of Event	Prizes/Awards
1	16QM1A0506	Aligapally Geetha	Career in media and entertainment industry	D.Y PATIL College of engineering pune	05/02/2018	Participation
2	16QM1A0508	Appam Arun Kumar	Career in media and entertainment	D.Y PATIL College of	05/02/2018	Participation

			industry	engineering pune		
3	16QM1A050 9	Avishala Renuka	Career in media and entertainment industry	D.Y PATIL College of engineering pune	05/02/2018	Participation
4	16QM1A053 7	K Rami Reddy	Emotional intelligence in competitive examination	D.Y PATIL College of engineering pune	26/09/2017	Participation
5	15QM1A053 4	K Sadana	Workshop on "python 3 "	D.Y PATIL College of engineering pune	26/08/2017	Participation
6	15QM1A053 5	Kandakatla Bharath Reddy	Emotional intelligence in competitive examination	D.Y PATIL College of engineering pune	26/09/2017	Participation
7	15QM1A058 4	Polanki Vamsi Dinesh	Workshop on "python 3 "	D.Y PATIL College of engineering pune	26/08/2017	Participation
8	16QM1A050 3	Aakanti Sharanya	International Conference on Computational Intelligence and Data Engineering (ICCIDE)	LBREC Andhra pradesh	14/07/2017 To 15/07/2017	Participation
9	16QM1A052 6	Gadagoni Rahul	International Conference on Computational Intelligence and Data Engineering (ICCIDE)	LBREC Andhra pradesh	14/07/2017 To 15/07/2017	Participation
10	16QM1A050 9	Avishala Renuka	International Conference on Computational Intelligence and Data Engineering (ICCIDE)	LBREC Andhra pradesh	14/07/2017 To 15/07/2017	Participation

11	16QM1A0551	Mandala Rahul	International Conference on Computational Intelligence and Data Engineering (ICCIDE)	LBREC Andhra pradesh	14/07/2017 To 15/07/201 7	Participation
12	15QM1A0595	S Thrishul Kumar Goud	Workshop on "python 3 "	D.Y PATIL College of engineering pune	26/08/2017	Participation
13	14QM1A0512	Barigala Sushmitha	12 day intensive industry training camp	CITE Andhra pradesh	15/05/2018 To 26/05/201 8	Participation
14	14QM1A0513	Barlapally Ravali	12 day intensive industry training camp	CITE Andhra pradesh	15/05/2018 To 26/05/201 8	Participation

c) THE LIST OF PRIZES/AWARDS RECEIVED IN EVENTS (PRIZES/AWARDS RECEIVED IN INTER-INSTITUTE EVENTS BY STUDENTS)

2019-2020

SI No	USN	Name of The Student	Title of Event	Place of Event	Date of Event	Prizes/Awards
1	17QM1A051 6	vijay kumar	Poster presentation on post lockdown precautions	JBREC Hyderabad	27/5/2020	Second prize
2	17QM1A054 6	K Roopesh	Project expo	JBREC Hyderabad	27/5/2020	Third prize
3	17QM1A054 5	K Vasavi	Project expo	JBREC Hyderabad	27/5/2020	Third prize
4	17QM1A053 8	Naveen Kmar Reddy	Volleyball	CVR College Hyderabad	24/12/2019 To 04/01/2020	Winner
5	16QM1A056 4	Rajani	Quiz competition on hacking tools	LORDS Hyderabad	03/10/2019	Second prize
6	16QM1A05A 1	V Krishna Sree	Quiz competition on hacking tools	LORDS Hyderabad	03/10/2019	Second prize
7	16QM1A057 2	Ch Prem Kumar	Quiz competition on hacking tools	LORDS Hyderabad	03/10/2019	Second prize
8	16QM1A056 3	P Rama Devi	Web design contest	LORDS Hyderabad	08/08/2019	First prize
9	16QM1A056 3	P Kavya	Web design contest	LORDS Hyderabad	08/08/2019	First prize

10	16QM1A05A 1	V Krishna Sree	Web design contest	LORDS Hyderabad	08/08/2019	First prize
11	17QM1A0538	Naveen Kumar Reddy	Volley ball	NMREC Hyderabad	14/03/2020	Winners
12	17QM1A05A 5	P Karunakar Reddy	Volley ball	NMREC Hyderabad	14/03/2020	Winners
13	17QM1A0517	C Sanjay	Volley ball	NMREC Hyderabad	14/03/2020	Winners
14	17QM1A0527	D Goutham	Volley ball	NMREC Hyderabad	14/03/2020	Winners
15	17QM1A0537	Md Gouse	Volley ball	NMREC Hyderabad	14/03/2020	Winners
16	17QM1A0517	Sanjay	Cricket	NMREC Hyderabad	14/03/2020	Runners
17	17QM1A0527	Goutham	Cricket	NMREC Hyderabad	14/03/2020	Runners
18	16QM1A0511	Hemanth Reddy	Cricket	NMREC Hyderabad	14/03/2020	Runners
19	17QM1A0535	Karthik	Cricket	NMREC Hyderabad	14/03/2020	Runners

2018-2019

Sl No	USN	Name of The Student	Title of Event	Place of Event	Date of Event	Prizes/Awards
1	17QM1A054 6	K Roopesh	Poster presentation on Artificial intelligence	KGR CET Hyderabad	30/03/2019	First prize

2	16QM1A057 5	Rangashali Meghana	Poster presentation of technophelia organized by elite, KGR CET	KGR CET Hyderabad	21/09/2019	First prize
3	16QM1A057 9	S Shravanthi	Poster presentation of artificial intelligence	KGR CET Hyderabad	21/09/2019	Second prize
4	15QM1A056 5	Jukanti Sandhya	Poster presentation of technophelia organized by elite, KGR CET	KGR CET Hyderabad	21/09/2019	Second prize
5	15QM1A056 6	Kaduluri Venkata Charan Reddy	Project based assignment	KGR CET Hyderabad	21/01/2019	First prize
6	15QM1A059 9	Shaik Taslima Nasreen	Poster presentation	KGR CET Hyderabad	21/01/2019	First prize
7	14QM1A0502	Manish	#opengov Datahackathon	New delhi	01/11/2018	13 th position
8	14QM1A0536	Gopi Krishna	#opengov Datahackathon	New delhi	01/11/2018	13 th position
9	14QM1A0553	Krishna Moorthy	#opengov Datahackathon	New delhi	01/11/2018	13 th position
10	14QM1A0555	Srinath	#opengov Datahackathon	New delhi	01/11/2018	13 th position
11	17QM1A0517	Sanjay	Cricket	National level Hyderabad	22/02/2019 to 28/02/2019	Winner
12	17QM1A0527	Goutham	Cricket	National level Hyderabad	22/02/2019 to 28/02/2019	Winner
13	17QM1A0580	Naveen Reddy	Cricket	National level Hyderabad	22/02/2019 to 28/02/2019	Winner

14	17QM1A0535	Karthik	Cricket	National level Hyderabad	22/02/2019 to 28/02/2019	Winner
15	16QM1A0511	Hemanth Reddy	Cricket	National level Hyderabad	22/02/2019 to 28/02/2019	Winner
16	17QM1A0538	Naveen Kmar Reddy	Carroms	KGR CET Hyderabad	25/01/2019	Winner
17	17QM1A05A5	P Karunakar Reddy	Volley ball	KGR CET Hyderabad	25/01/2019	Winner
18	17QM1A0517	C Sanjay	Volley ball	KGR CET Hyderabad	25/01/2019	Winner
19	17QM1A0527	D Goutham	Volley ball	KGR CET Hyderabad	25/01/2019	Winner
20	17QM1A0537	Md Gouse	Volley ball	KGR CET Hyderabad	25/01/2019	Winner
21	18QM1A0584	R Sairam Reddy	Carroms	KGR CET Hyderabad	25/01/2019	Runner
22	18QM1A0508	Ravi Teja	Carroms	KGR CET Hyderabad	25/01/2019	Runner
23	17QM1A0593	A Sandeep	Chess	KGR CET Hyderabad	25/01/2019	Runner
24	16QM1A0524	C Vinitha	Carroms	KGR CET Hyderabad	25/01/2019	Runner
25	17QM1A0569	P Abhilash Reddy	Carroms	KGR CET Hyderabad	25/01/2019	Winner
26	16QM1A0524	Divya	Carroms	KGR CET Hyderabad	25/01/2019	Runner
27	17QM1A0576	S Soudamini	Badminton	KGR CET Hyderabad	25/01/2019	Runner

28	16QM1A0503	Sharanya	Throw ball	KGR CET Hyderabad	25/01/2019	Winner
29	16QM1A0506	Geetha	Throw ball	KGR CET Hyderabad	25/01/2019	Winner
30	16QM1A0509	Renuka	Throw ball	KGR CET Hyderabad	25/01/2019	Winner
31	16QM1A0513	Vinitha	Throw ball	KGR CET Hyderabad	25/01/2019	Winner
32	16QM1A0515	Rajeswari	Throw ball	KGR CET Hyderabad	25/01/2019	Winner
33	16QM1A0529	Sravani Reddy	Throw ball	KGR CET Hyderabad	25/01/2019	Winner

2017-2018

Sl No	USN	Name of The Student	Title of Event	Place of Event	Date of Event	Prizes/Awards
1	16QM1A0540	Karre Krishna Kumar	Quiz competition on c	LORDS Hyderabad	10/08/2017	Second prize
2	16QM1A0553	Menda Swetha	Open talk	VJIT Hyderabad	27/03/2018 T0 28/03/2018	First prize
3	13QM1A0504	Chaitanya B	Poster presentation	VJIT Hyderabad	27/03/2018 T0 28/03/2018	First prize
4	14QM1A0549	Yeswanth	Dance competition	VJIT Hyderabad	27/03/2018 T0 28/03/2018	Third prize
5	14QM1A053	Shivani Reddy	Dance competition	VJIT	27/03/2018	First prize

	7			Hyderabad	T0 28/03/2018	
6	15QM1A0536	Kathrotiya Avani Patel	Project expo	LORDS Hyderabad	12/02/2018	Second prize
7	15QM1A0540	Kethireddu Davan	Project expo	LORDS Hyderabad	12/02/2018	Second prize
8	15QM1A0541	Koduri Sai Kumar	Project expo	LORDS Hyderabad	12/02/2018	Second prize
9	14QM1A0502	Manish	Code gaming	LORDS Hyderabad	12/02/2018	Third Prize
10	14QM1A0536	Gopi Krishna	Open talk	LORDS Hyderabad	12/02/2018	Second Prize
11	14QM1A0589	S.Abhilash	Body building	Hyderabad	2017-2018	Second prize

Faculty Information and Contributions (200)

2019-20

SL. NO	Name	PAN No	University Degree	Area of specialization	Designation	Date of Receiving Degree	Date on which Designated as Professor/Associate Professor	Currently Associated(Y/N)	Nature of Association (Regular/Contract/Adjunct)	If contractual mention Full time or Parttime	Date of Leaving (Incase Currently Associated is "No")
1	Dr. Hemanta Kumar Bhuyan	ANVPB8339F	Ph.D	CSE	Professor	02.08.2017	02.07.2018	Y	Regular	-	-
2	Dr.Basava	AGVPC116	Ph.D	SE	Professor	01.06.2018	03.06.20	Y	Regular	-	-
3	Dr.Hansara jShalikram	ABYPW0563D	Ph.D	SE&ML	AssociateProfessor	09.05.2019	09.05.2019	Y	Regular	-	-
4	Dr. Siva Shankar S	CJPPS5568	Ph.D	NS	AssociatePro	09.05.2019	09.05.20	Y	Regular	-	-
5	Dr J Srinivas	AJBPJ6453	Ph.D	A&SN	AssociatePro	16.07.2019	16.07.20	Y	Regular	-	-
6	Mr.Ramakrish	CASPK808	M.Tec	CSE	AssistantPro	01.02.2017	-	Y	Regular	-	-
7	Mr.RaghuKu	AFQPL1899	M.Tec	IP	AssistantPro	06.12.2016	-	Y	Regular	-	-
8	Sowjanya	AOUPR133	M.Tec	CSE	AssistantPr	22.01.2019	-	Y	Regular	-	-
9	Dule	AGKPD546	M.Tech	CSE	AssistantPro	02.08.2018	-	Y	Regular	-	-
10	Mr. Sunke Srinivas	AVBPS044	M.Tec	CSE	AssistantPr	17.07.2019	-	Y	Regular	-	-
11	Mr.C.Ramakrishna	AHBPC772	M.Tec	CSE	AssistantPro	17.07.2019	-	Y	Regular	-	-
12	Mr.B.Venkateswar	CCWPB804	M.Tec	CN&IS	AssistantPr	15.07.2019	-	Y	Regular	-	-
13	Mr. VenkataRa	AILPV0325	M.Tech	CSE	AssistantPro	11.07.2014	-	Y	Regular	-	-
14	Ms.GaddaleJa	BEUPG829	M.Tech	CSE	AssistantPr	31.12.2016	-	Y	Regular	-	-
15	Ms.B.NJyothi	AWFPB950	M.Tech	SE	AssistantPro	02.08.2017	-	Y	Regular	-	-
16	Ms.Ashwini	BARPG034	M.Tech	SE	AssistantPr	02.08.2017	-	Y	Regular	-	-

17	Ms.Maadugun	CZVPM596	M.Tech	CSE	AssistantPro	22.06.2016	-	Y	Regula	-	-
18	Ms.Rayap	AIPPH2353	M.Tech	CSE	AssistantPro	02.08.2017	-	Y	Regula	-	-
19	Mr.Mantesh	CCFPP7850	M.Tech	CS	AssistantPr	08.03.2017	-	Y	Regula	-	-
20	Mr.KUmashanker	AXPPK067	MCA	CA	AssistantPr	01.12.2010	-	Y	Regula	-	-
21	Ms. Krushima	BULPS3204	M.Tech	CSE	AssistantPro	30.04.2015	-	Y	Regula	-	-
22	Ms.Mandavilli	BRIPM0439	M.Tech	CN&IS	AssistantPr	05.12.2015	-	Y	Regula	-	-
23	Ms.Divya	DEUPS5374	M.Tech	CSE	AssistantPro	02.08.2019	-	Y	Regula	-	-
24	Mr.Sriniva	AJIPN3562	M.Tech	CSE	AssistantPro	23.02.2019	-	Y	Regula	-	-

2018-19

S. No.	Name	PAN No.	Qualification	Area of Specialization	Designation	Date of Joining	Date on which Designated as Professor /Associate Professor	(Y/N)	Nature of Association (Regular/Contract/Adjunct)	If contractual mention Fulltime or Parttime	Date of Leaving (Incase Currently Associated is "No")
1	Dr.Hemanta	ANVPB8339	Ph.D	CSE	Professor	02.08.2017	02.07.20	Y	Regular	-	-
2	DrBasavar	AGVPC1161	Ph.D	SE	Associat	01.06.2018	03.06.20	Y	Regular	-	-
3	Mr.M.SaidiReddy	APRPM0134	M. Tech	CSE	Assista	10.05.2015	-	N	Regular	-	01.04.2019
4	Mr.RaghuKumar Lingamall	AFQPL1899	M. Tech	IP	Assista	06.12.2016	-	Y	Regular	-	-
5	Dule	AGKPD5463	M.	CSE	Assista	02.08.2018	-	Y	Regular	-	-
6	Ms.A Shaik Ali Gousia	AKAPG3748	M. Tech	CSE	Assista	20.08.2018	-	N	Regular	-	14.05.2019
7	Mr.Silaparapu Jaykumar	DXGPS6712	M. Tech	CSE	Assista	14.05.2018	-	N	Regular	-	14.05.2019
8	Mr. VenkataRao	AILPV0325	M.	CSE	Assista	11.07.2014	-	Y	Regular	-	-
9	Ms.GaddaleJay	BEUPG8293	M.	CSE	Assista	31.12.2016	-	Y	Regular	-	-

10	Ms.B.NJyothi	AWFPB9503	M.	SE	Assista	02.08.2017	-	Y	Regular	-	-
11	Ms.Ashwini B	BARPG0340	M.	SE	Assista	02.08.2017	-	Y	Regular	-	-
12	Ms.Maadugund	CZVPM5965	M.	CSE	Assista	22.06.2016	-	Y	Regular	-	-
13	Ms.Rayapu	AIPPH2353	M.	CSE	Assista	02.08.2017	-	Y	Regular	-	-
14	Mr.Mantesh	CCFPP7850	M.Tec	CS	Assista	08.03.2017	-	Y	Regular	-	-
15	Mr.KUmashanker	AXPPK0678	MCA	CA	Assista	01.12.2010	-	Y	Regular	-	-
16	Ms. Krushima	BULPS3204	M.Tec	CSE	Assista	30.04.2015	-	Y	Regular	-	-
17	Mr.Ramakrishn	CASPK8081	M.	CSE	Assista	01.02.2017	-	Y	Regular	-	-
18	Ms.Mandavilli	BRIPM0439	M.Tec	CN&IS	Assista	05.12.2015	-	Y	Regular	-	-
19	Mr.Rambabu	BKXPM2642	M.	SE	Assista	30.06.2016	-	N	Regular	-	31.05.201
20	Mr.RajKumar	APYPM9394	M.	CSE	Assista	02.08.2017	-	N	Regular	-	31.05.201
21	Mr.Kandunu	AURPK3986	M.	SE	Assista	02.08.2017	-	N	Regular	-	14.05.201

2017-18

S.No.	Name	PANNo.	Qualificati on	Areaof Specializa tion	Designatio n	DateofJoini ng	Dateonwh ichDesign atedasPro fessiona l	Currentl yAssociated	NatureofAss ociation(Reg ular/Contract ual/Adjunct)	Ifcontractu almentio nFu	DateofLeavi ng(IncaseCu rrentlyAssoc iatedis“N”)No
1	Dr.Hemanta	ANVPB833	Ph.D	CSE	Associ	02.08.2017	02.08.	Y	Regular	-	-
2	Mr.RaghuK umarLinga	AFQPL189 9D	M. Tech	IP	Assist antPro	06.12.2016	-	Y	Regular	-	-
3	Mr.M.SaidiRedd v	APRPM013 4M	M. Tech	CSE	Assist antPro	10.05.2015	-	N	Regular	-	01.04.20 19
4	Mr.Ramakris	CASPK808	M.	CSE	Assist	01.02.2017	-	Y	Regular	-	-
5	Mr.VenkataR	AILPV032	M.	CSE	Assist	11.07.2014	-	Y	Regular	-	-
6	Ms.GaddaleJa	BEUPG829	M.	CSE	Assist	31.12.2016	-	Y	Regular	-	-
7	Ms.B.NJyothi	AWFPB950	M.	SE	Assist	02.08.2017	-	Y	Regular	-	-
8	Ms.Ashwini	BARPG034	M.	SE	Assist	02.08.2017	-	Y	Regular	-	-
9	Ms.Maadugu	CZVPM596	M.	CSE	Assist	22.06.2016	-	Y	Regular	-	-

10	Ms.Raya	AIPPH235	M.	CSE	Assist	02.08.2017	-	Y	Regular	-	-
11	Mr.Mantesh	CCFPP785	M.Tec	CS	Assist	08.03.2017	-	Y	Regular	-	-
12	Mr.KUmashank	AXPPK067	MCA	CA	Assist	01.12.2010	-	Y	Regular	-	-
13	Ms.Krushima	BULPS320	M.Tec	CSE	Assist	30.04.2015	-	Y	Regular	-	-
14	Ms.Manda	BRIPM043	M.Tec	CN&IS	Assist	05.12.2015	-	Y	Regular	-	-
15	Mr.Ramb	BKXPM264	M.	SE	Assist	30.06.2016	-	N	Regular	-	31.05.20
16	Mr.RajKu	APYPM939	M.	CSE	Assist	02.08.2017	-	N	Regular	-	31.05.20
17	Mr.Kandu	AURPK398	M.	SE	Assist	02.08.2017	-	N	Regular	-	14.05.20
18	Mr.Balakotir	BLDPP480	M.Tec	CSE	Assist	05.03.2016	-	N	Regular	-	12.06.20
19	Ms.Ganga P	CFGPD439	M.Tec	CSE	Assist	07.01.2017	-	N	Regular	-	30.05.20
20	Mr.S.Mahesh	DOUPS799	M.Tec	SE	Assist	18.01.2017	-	N	Regular	-	01.05.20
21	Ms.Sk.Asha	BSZPA755	M.Tec	CSE	Assist	12.01.2017	-	N	Regular	-	30.04.20
22	Ms.Shaik	EZZPS441	M.Tec	CSE	Assist	28.01.2017	-	N	Regular	-	30.04.20
23	Ms.Lakka	ASMPL972	M.	CSE	Assist	02.08.2017	-	N	Regular	-	30.11.20
24	Mr.Perunalla	CXZPP438	M.	CSE	Assist	07.04.2015	-	N	Regular	-	30.11.20
25	Mr.Arun	CMKPK032	M.	CSE	Assist	27.01.2017	-	N	Regular	-	18.05.20

5.1. Student-Faculty Ratio(SFR)(20M)

S:F ratio=N/F;

N=No. of students=3x where x is(approved intake+20% lateral entry intake+separated division, if any)

F= No.of faculty=(a+b-c) for every assessment year

a:Total number of full time regular Faculty serving fully to 2nd,3rd and 4th year of this program

b:Total number of full-time equivalent regular Faculty(considering fractional load)serving this program from other Program(s)

c:Total number of fulltime equivalent regular Faculty(considering fractional load)of this program serving other program(s)

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

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

No.of Students in UG 2nd Year=**u1**

No.of Students in UG 3rdYear=**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+...PGm

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

Student Teacher Ratio (STR)=S/F

Year of study	CAY		CAYm1		CAYm2	
	2019-20		2018-19		2017-18	
	Sanction Intake	Actual admitted through lateral entry students	Sanction Intake	Actual admitted through lateral entry students	Sanction Intake	Actual admitted through lateral entry students
2nd year	120	12	120	1	120	2
3rd year	120	1	120	2	120	1
4th year	120	2	120	1	120	1
Sub-total	360	15	360	4	360	4
Total	375		364		364	

No. of faculty in the department.	21	18	22
Students Faculty ratio	17.85	20.22	16.54
Average SFR	18.2		

Table B.4

5.1.1. Provide the information about the regular and contractual faculty as per the format mentioned below:

	Total number of regular faculty in The department	Total number of contractual faculty in the department
2019-20	24	-
2018-19	21	-
2017-18	25	-

Table 5.1.1: Number of Regular and Contractual faculty in the department

5.2.Faculty Cadre Proportion (25)

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

F1: Number of Professors required= $1/9x$

Number of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (N) as per 5.1

F2: Number of Associate Professors required= $2/9x$

Number of Faculty required to comply with 20:1 Student-Faculty ratio based on no. of students (N) as per 5.1

F3: Number of Assistant Professors required = $6/9x$

Number of Faculty required to comply with 20:1 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 (2019-20)	2	2	4	3	12	19
CAYm1(2018-19)	2	1	4	1	12	18
CAYm2 (2017-18)	2	0	4	1	12	24
Average Numbers	RF1= 02	AF1= 1	RF2= 04	AF2= 1.67	RF3=12	AF3=20.33
Cadre Ratio Marks = 18.00(Limited to 20)						

5.3. Faculty Qualification (25)

$$FQ=2.5 \times [(10X+4Y)/F]$$

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)

	X	Y	F	FQ = 2.0 x [(10X +4Y)/F]
--	----------	----------	----------	---------------------------------

CAY (2019-20)	5	19	18	17.5
CAYm1(2018-19)	2	18	18	12.78
CAYm2 (2017-18)	1	24	18	14.72
Average Assessment				15

5.2. Faculty Retention(25M)

No. of regular faculty members in

CAYm2 (2017-2018) = 25

CAYm1 (2018-2019) = 21

CAY (2019-2020) = 24

Item	Marks
------	-------

(% of faculty retained during the period of assessment keeping CAYm2 as base year)	
>=90% of required Faculty members retained during the period of assessment	
>=75% of required Faculty members retained during the period of assessment	
>=60% of required Faculty members retained during the period of assessment	
>=50% of required Faculty members retained during the period of assessment	
<50% of required Faculty members retained during the period of assessment	

TableB.5.4

Description	2017-18	2018-19	2019-20
No of Retained Faculty(x)	NA	16	13
Total Number of faculty(y)	25	25	25
Faculty Retention Ratio(x/y)	NA	64	52
Average Retention Ratio	58.00%		

Assessment Marks: 10.00

5.2. Innovations by the Faculty in Teaching and Learning(20M)

Course Delivery Methods/ Modes: Google Classroom:

Google Class room is a free suite of productivity tools that includes email, documents and storage. Classroom was designed collaboratively with faculty members to help them save time, keep classes organized, and improve communication with students.

Canvas Classroom:

Assignment will be paper free and we can easily identify the students who submitted, all kinds of material can be uploaded and viewed by the students, discussions can be held and viewed as online classroom , there will be transparency in grading the assignment.

Multimedia Learning Process:

The faculty members are using multimedia elements LCD projectors that will help the faculties to re present the content in a more meaningful way using different media elements.

Quiz:

A quiz can function throughout a course as an informative feedback device allowing both the instructor and the students to see where they are excelling or need more focus.

E-Learning Resources:

The Videos and E-learning materials are circulated by the course incharges to the students that helps in providing exposure to domain expertise of the faculty members from various reputed institutes like **NPTEL** etc.

S.No.	Name of the Faculty	Activity/Innovations	Subject		
			2019-2020	2018-2019	2017-2018
1	Mr.M.Saidi Reddy	PPTs and Course Material		CP,OS	OS
2	Mr.KUmashanker	PPTs and Course Material	PPS	PPS,WT	CP
3	Mr.VenkataRao Yanamadni	PPTs and Course Material	MC		
4	Ms.GaddaleJaya Bharathi	PPTs and Course Material	DS,DP	DS,OS	CP,DS
5	Mr.RambabuMudusu	PPTs and Course Material		CNS,DP	DP
6	Ms.MaadugunduJyothi	PPTs and Course Material	IOT	LP,IPR	CN
7	Mr.RamakrishnaReddy K	PPTs and Course Material			
8	Mr.RaghuKumar Lingamallu	PPTs and Course Material			
9	Ms.AshwiniBGulhane	PPTs and Course Material			

10	Mr.RajKumarMolkar	PPTs and Course Material			
11	Mr.Kandunuri Ramakrishna	PPTs and Course Material			
12	Ms.B.NJyothi	PPTs and Course Material	PYTHON		
13	Ms.Rayapud iHimasaarika	PPTs and Course Material			
14	Mr.SilaparapuJoykumar	PPTs and Course Material			
15	Ms.AShaikAliGousia Bannu	PPTs and Course Material			
16	DrBasavarajChunchure	PPTs and Course Material			
17	Ms.KrushimaSoma	PPTs and Course Material			

Student Centric Methods/ICT Tool

2019-2020																
S No	Faculty Name	COURSE	JAM/Mini	Think Brain Storm	Cun	StudentSe	Video	NPT	CAS	COL						
1	Mr.RamakrishnaReddyK	DBMS														
2	Mr.VenkataRaoYanamadni	MC														
3	Ms.RayapudiHimasa	CNS														
4	Mr.RaghuKumarLinga	CF														
5	Ms.AshwiniBGulhane	CNS														

6	Mr.RaghuKu marLinga	BC					4					1		
7	Mr.Ramakrish naReddyK	DM					2							
8	Ms.Ashwini BGulhane	DCCN												
9	Ms.Sowjan yaRamise	OOPST					2							
10	Ms.Maadugun duJyothi	IOT					1					1		
11	Ms.Shelly Sinha	DS					1							
12	Ms.B.NJyothi	PYTHO												
13	Dr.Siva Shankar S	PPL					1							
	Mr.B.Venkateswarl	COA					2							
	Mr.Mantesh	SE					1							
	Ms.Divya	SPPM												

2018-2019																		
S No	Faculty Name	COURS	Quiz		JAM/Mi	nitoo De ThinkP	aiSch Brai	nStaa JIGSAW	CunitTe	st/OPE	Stude	Vide	NPTEL	Videos/ COLLAB	pat	Others	Tota	
1	Ms.AShaikaAliGousiaBan	BEFA		2							2	2				2	8	
2	Mr.RaghuKumarLinga	MIRA	5			8					2					1	3	19
3	Mr.RamakrishnaReddyK	DBM		6	5	2	1		2				1	1				16

4	Mr.Kandun uriRamakr	SAN		3	2	2										7
6	Mr.Ramakris hnaReddyK	DW	1	2	1	1	1		3			2				11
7	Ms.AShaikA liGousiaBan	CC	4	4					2	2	3					15
8	Mr.RaghuKu marLinga	CF				3				1	2		1			7
9	Ms.Ashwini BGulhane	CO		1	2	1			2							6
10	Ms.Gaddal eJayaBharat	OS		1		1		1	3						1	7
11	Mr.Kandun uriRamakr	SPM		3	4	1			4						1	13
12	Ms.B.NJyoth	FLAT		2		2						2				6
13	Ms.Maadug unduJyoth	LP		3	1				1		2		1			8
14	Ms.B.NJyoth	DAA		2	1	3	1		4		1		1			13
15	Ms.Ashwini BGulhane	DCC		2	2	3					3					10
16	Ms.Gaddal eJayaBharat	DS			2	3			3							8
17	Mr. Md	PPS														1
18	Mr.Ramb abuMud	AI														3
19	Mr.RajKu marMol	CNS						2								10
20	Ms.Sowjan yaRamise	OOP			4		2									6
21	Mr. Perunall	OS	2				2									4

22	Ms.MandavilliKavya	SE		1						1						2
23	Ms. A Shaik Ali Gousia	OOP	1		2											3

2017-2018																							
SNo	Facult vNam	COURSE	Quiz	JAM/Min	iteaPaper	ThinkP	airShai	Brain	Stormi	CunitTest	Stude	ntSemi	Video	Lectu	NPTEL	Video	CASE	STUDI	COLLAB	RATIVE	LEARN	Others	Total
1	Ms.Sk.Asha	MFCS								1													1
2	Mr.Sudhe erKuma	COM PILE																					
3	Mr.Ramak rishna	DDES DWD		1																			
4	Reddy K Mr.Sudhe	M FLAT		1																			1
	erKuma			1																			1
5	Mr.M.Sai diRedd	OS		1																			1
6	Ms.GangaP	WT		1																			1
7	Ms.GangaP	WT		1																			1
8	Ms.G.Yoc hana	SE		1																			1
9	Mr.S.Mah eshKuma	JAVA		1																			1
10	Ms.Sk.Asha	DAA		1																			1

5.4. 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
- Participation > 5 days Faculty development program: 5 points

FDP				
S. No	Faculty Name	2018-19	2017-18	2016-17
1	Mr. Mantesh			
2	Mr.K Umashanker			
3	Ms.Krushima Soma			
4	Ms.MandavilliKavya			
5	Mr.RamakrishnaReddyK			
6	Mr.VenkataRaoYanamadni			
7	Ms.GaddaleJayaBharathi			
8	Ms.Maadugundu Jyothi			
9	Mr.Rambabu Mudusu			
10	Mr.RaghuKumarLingama			
11	Ms.B.NJyothi			
12	Ms.AshwiniB Gulhane			
13	Dr.HemantaKumarBhuyan			
14	Mr.RajKumar Molkar			
15	Mr.Kandunuri Ramakrishna			

16	Ms.Rayapudi Himasagarika			
17	DrBasavaraj Chunchure			
18	Dr.Hansaraj			
19	Dr.SivaShankar S			
20	Ms.GangaP			
21	Mr.S.MaheshKumar			
22	Ms.Sk.Asha			
23	Ms.ShaikShakeera			
24	Ms.LakkakulaMamatha			
25	Mr.PerunallaPraveen			
26	Ms.RajyaLakshmi			
27	Mr.ArunKodirekka			
28	Ms.GYochana			
29	Ms.SalianShilpa			
30	Mr.KSudheerKumar			
31	Ms.Sowjanya Ramisetty			
32	DuleChhayaSuryabhan			
33	Mr.Srinivas Nagineni			
34	Mr.M.SaidiReddy			
35	Ms.AShaikAliGousiaBanu			
36	Mr.Silaparapu Joykumar			
37	Mr.MdAfzal			
38	Mr.Balakotireddy Puttluri			
SUM		130	140	100
RF=NUMBEROFFACULTYREQUIREDT				
O COMPLY WITH 20-1 STUDENT.				
AVERAGE ASSESSMENT OVERT				

5.2.Research and Development(30)

5.2.1. 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.

Faculty Pursuing Ph.D

Name of the Faculty	Research Topic	University Name	Guide Name	Date of Registra	No. of Quality Publications in Referred/SCI Journals, Citations,
Mr.RamakrishnaR	Divergent Necessity of	Bhagwant University	Dr.Dhanashkaran		
Mr.RaghuKumar Lingamallu	Content based Image Retrieval using color	OPJS University	Dr.J	16-Feb-	12

Ms.SowjanyaR	Energy efficiency with Optimization Routing	Lovely Professional University	Dr.Kavita	15-May-2018	1
Mr.SunkeSr inivas	Design and Development of Modelling for legal reasoning for fraud	Sri SatyaSai University of Technology	Dr.Ramalinga mponnusam	05-Oct-2015	3
C.Ramakrishna	Design Space Exploration Techniques	Dr Apj Kalam University	Dr.Sandeep pawar	22-Jun-	1
Mr.B.Venkateswar lu	Light Weight Cryptographic group key management	Dr Apj Kalam University	Dr.Santosh pawar	20-Jun-2018	1

Books/Book Chapters					
S.No.	Title of the Book	Name of Author	Name of Book	ISBN/ISSN Number	Approved Publisher
1.	Cryptography in the health care sector with modernized cyber	Prisilla Jayanthia	Quantum Cryptography and the Future of	ISBN13:9781799822530	IGI Global Publishe
2.	Crude Birth Rate and Crude Mortality Rate in India: AC ase of Application of	Prisilla Jayanthia	Aging-Life Span and Life Expectancy	DOI: 10.5772/intechopen.90840	Intech Open Limited
3.	Disease Diagnosis and Treatment Using Deep	Prisilla Jayanthi	Applications of Deep Learning and BigIoTon	ISBN13:9781799821014	IGI Global Publishe
4.	Intelligent IoT Systems for Big Data Analysis:Concepts,Api	Hemanta Kumar Bhuyan	Video Usefulness Detection in Big Surveillance	Accepted. Yet to be Published	Apple Academic Press, A

5.	Intelligent Data Analytic s for Terror Threat Prediction:	Hemanta Kumar Bhuyan	Selective encryption for Big Sensing Data	Accepted. Yet to be Published	Wiley-Scrivener
6.	Intelligent Data Analytics for Terror Threat	Hemanta Kumar Bhuyan	Crime Predictive Model using Big Data Analytics	Accepted. Yet to be Published	Wiley-Scrivener
7	Techniques and Applications of Machine Learning	Hemanta Kumar Bhuyan	Distributed Big Data Deduplication in	Accepted. Yet to be Published	River Publishers, Denmark

List of Publications

Academic Year:2019-20

S.No.	Title of Paper	Name of Author	Department	Name of Journal	ISBN/ISSN	Approved Journal	Link
1.	IoT based smart farming using cloud computing and machine learning	C.Ramakrishna	Computer Science and Engineering	IJITEE (SCOPUS INDEXED)	2278-2075	SCOPUS	https://www.ijitee.org/wp-content/uploads/2020/07/IJITEE-2020-07-01-01.pdf
2.	The Case Study of Brain Tumor Data Analysis Using Statistical Data Mining	Prisilla Jayanthi	Computer Science and Engineering	B. Pati et al. (eds.), Advances in Computing and Intelligent Engineering, Advances in Intelligent Systems and Computing 1081	15-1081-6_20	SPRINGER NATURE Singapore Pte Ltd. 2020	https://doi.org/10.1007/978-981-15-1081-6_20
3.		Prisilla Jayanthi,	Computer Science and Engineering		Yettob ePublis	Springer Nature	Yettob ePublis

12.	“ABE: Attribute Based Data Sharing of Database Management	R.HimaSagar ika	Computer Science and Engineering	JASC	DOI:16. 10089.J ASC.20 18-VG12-4	UGC	DOI:16.100 89/JAS C
12.	Experiencing the Essence of Learning Database Management	R.HimaSagar ika	Computer Science and Engineering	JEET	DOI:10. 16920/je et/2020/ 12210/1	SCOP USIN DEX	http://www.journalleet.org/index.php/jeet/article/view/16920/12210/1
14.	Certifying ranking fraud	R.HimaSagar ika	Computer Science and	IJIRT	2349- 6002	UGC	http://ijirt.org/master/publishedpaper

Academic Year:2018-19

S.No.	Title of Paper	Name of	Department	Name of Journ	ISBN/ISSN Number	Approved	Link
1.	Cloud Computing Architecture, Security	Molkar Rajkumar	Computer Science and Engineering	IJR	2236-6124	UGC	http://ijrpublis her.com/gallery/1
2.	A Review On Compilation And	M.Shailaja	Computer Science and Engineering	IJR	2236-6124	UGC	http://ijrpublis her.com/gallery/1
3.	Evaluation Based Load Balancing In Cloud Computing	Gousia Bhanu	Computer Science and Engineering	IJET	2227- 5248	SCOPUS	https://www.scimagojr.com/journalsearch.php?q=2227-5248
4.	Machine Learning Techniques For Supply Chain Management Practices In Textile Industries	A.S.Gousia Banu	Computer Science and Engineering	IJETMS	2581-4621	Non-UGC	http://www.ijetms.in/vol-2/Issue-2/Vol2-Issue2-2581-4621

5.	Invocation For Supply Chain Management	A.S.GousiaBanu	Computer Science and Engineering	International Conference(E TPC 2018)	978-93-85101-21-2	-	-
6.	Mhd Rotating FluidPast A Moving Vertical Plate In The Presence Of Chemical Reaction	KRamakrishnaReddy	Computer Science and Engineering	IJICS	0972-1347	UGC	DOI:16.10089.IJICS.2019.V6I2.18.2858
7.	Sigmoid Function Based Classification In DataMining	HemantaKumar Bhuyan	Computer Science and Engineering	JASC	1076-5131	UGC	https://app.box.com/s/pnfc259ye8xiand11110806
8.	Soft Computing With Cryptographic TechniqueDesigningUsingM	A.S.GousiaBanu	Computer Science and Engineering	JASC	1076-5131	UGC	https://app.box.com/s/setm78ak69b5and11110806
9.	3D Programming Google Sketch up For Building Construction Industry	A.S.GousiaBanu	Computer Science and Engineering	JASC	1076-5131	UGC	https://app.box.com/s/6tiz4mhtj5r80and11110806
10.	Another Way To Deal With Measure System Security By	MalgireddySaidireddy	Computer Science and Engineering	JASC	1076-5131	UGC	https://app.box.com/s/1eand11110806
11.	CyberSecurityIssuesInCloud Computing,Industry4.0EraWithNetworkingManagementS	Rambabu Mudusu	Computer Science and Engineering	JASC	1076-5131	UGC	https://app.box.com/s/w671jsqs9s7kand11110806
12.	Algorithm For Cryptography With High Throughput	Md Afzal	Computer Science and Engineering	JASC	1076-5131	UGC	https://app.box.com/s/9ymej6y7iael1and11110806

22.	Automated Human Facial Expression Recognition Using	AshwiniGulha ne	ComputerScience and Engineering	JASC	1076-5131	UGC	https://app.box.com/s/xmd0719kp054r
23.	Implementation Of The Logistic Regression Model For Binary Data	LraghuKumar	ComputerScience and Engineering	JASC	1076-5131	UGC	https://app.box.com/s/agl24604kr4e5
24.	Understanding The Performance And Potential Of Cloud	GJayabharathi	ComputerScience and Engineering	JASC	1076-5131	UGC	https://app.box.com/s/qtqfib1j3stabgzs
25.	Understanding The Performance And Potential Of Cloud	Mr.K.UmaShankar	ComputerScience and Engineering	JASC	1076-5131	UGC	https://app.box.com/s/qtqfib1j3stabgzs
26.	Evaluations Of Machine Learning Techniques In Email Spam Detection	Mr.K.UmaShankar	ComputerScience and Engineering	JASC	1076-5131	UGC	https://app.box.com/s/r1aitr1024acutf
27.	Evaluations Of Machine Learning Techniques In Email Spam Detection	Ms.JayaBharathi	ComputerScience and Engineering	JASC	1076-5131	UGC	https://app.box.com/s/r1aitr1024acutf
28.	Abe: Attribute Based Data Sharing Of	M.Shailaja	ComputerScience and Engineering	JASC	1076-5131	UGC	https://app.box.com/s/ueh3aigmmst
29.	Abe: Attribute Based Data Sharing Of		ComputerScience and Engineering	JASC	1076-5131	UGC	https://app.box.com/s/ueh3aigmmst
30.	A Literature Study On Role Of Deep Learning In Evaluation Of	B.N Jyothi	ComputerScience and Engineering	JASC	1076-5131	UGC	https://app.box.com/s/oc60m7-07
31.	Connecting Social Media To E-Commerce: Cold Start	Ramakrishna Reddy K	ComputerScience and Engineering	JASC	1076-5131	UGC	https://app.box.com/s/umw2m4lre
32.	Impact And Challenges Of Aadhaar Card: Drivers And Security	Chhaya S	ComputerScience and Engineering	JASC	1076-5131	UGC	https://app.box.com/s/y20-8mubn

	Gradient Descent Based Feature Selection	Hemanta Kumar	Computer Science and Engineering	JASC	1076-5131	UGC	https://app.box.com/s/2i-77
23	Feature Selection By Mutual Information For Data Control	Hemanta Kumar	Computer Science and Engineering	JASC	1076-5131	UGC	https://app.box.com/s/0267-mch
24	Redundancy For Feature Selection	Hemanta Kumar Bhuyan	Computer Science and Engineering	JASC	1076-5131	UGC	https://app.box.com/s/a8-8-81-4
25	Formal Optimal Based Classification Using	Hemanta Kumar Bhuyan	Computer Science and Engineering	JASC	1076-5131	UGC	https://app.box.com/s/h2-41-126
26	Low Redundancy And High Relevance Based Feature Selection For	Hemanta Kumar Bhuyan,	Computer Science and Engineering	JASC	1076-5131	UGC	https://app.box.com/s/t5-54-28
27	Mutual Information Based Feature Selection	Hemanta Kumar Bhuyan	Computer Science and Engineering	JASC	1076-5131	UGC	https://app.box.com/s/v4-7-7-66
28	Mutual Information Based Feature Selection	Raghu Kumar	Computer Science and Engineering	JASC	1076-5131	UGC	https://app.box.com/s/v4-7-7-66
39.	Constraint Model For Classification In Data Mining	Hemanta Kumar Bhuyan	Computer Science and Engineering	JASC	1076-5131	UGC	https://app.box.com/s/minimum-26
40	Identification Of Novel Class Using	Hemanta Kumar Bhuyan	Computer Science and Engineering	JASC	1076-5131	UGC	https://app.box.com/s/o8-5171-222
41	Using Software In Construction Of	A.S.Gousia Ba	Computer Science and Engineering	JASC	1076-5131	UGC	https://app.box.com/s/x15-4-7-1
42	Design And Implementation Of Soft Computing Based		Computer Science and Engineering				https://app.box.com/s/x15-4-7-1
	Software Tests Automation For Designing Of Soft	A.S.Gousia Ba	Computer Science and Engineering	JASC	1076-5131	UGC	https://app.box.com/s/x15-4-7-1

	Secure And Efficient Request Processing	A.S.GousiaBa	ComputerScience and	JASC	1076-5131	UGC	https://app.box.com/s/g115116
46	DigiImage Architecture Drawing Using Software Tools	A.S.Gousia	ComputerScience and	JASC	1076-5131	UGC	https://app.box.com/s/b115116
47	Exploring The Speech Analysis For Telangana State Languages Using	MSaidiReddy	ComputerScience and	JASC	1076-5131	UGC	https://app.box.com/s/8115116
48	Roadmap To Software Testing Techniques, Model Based And	RambabuM	ComputerScience and	JASC	1076-5131	UGC	https://app.box.com/s/6115116
49	Review Of Basic Promoting Methods On	RambabuM	ComputerScience and	JASC	1076-5131	UGC	https://app.box.com/s/8115116
50	Best Efforts To Track The Relationship Using Data Mining	R.Himasagari ka	ComputerScience and	JASC	DOI:16.10089.JASC.2018.VG12	UGC	https://app.box.com/s/z115116
51	Factors Influencing Student Decision Making In Admission	B.NJyothi	ComputerScience and	JASC	1076-5131	UGC	https://app.box.com/s/d115116
52	An Observation On Attention Of	M.Shailaja#2	ComputerScience and	JASC	1076-5131	UGC	https://app.box.com/s/q115116
53	Fast Phrase Search For Fragmental Data	Silaparapu JoyKumar	ComputerScience and	JASC	1076-5131	UGC	https://app.box.com/s/o115116
54	A Query Driven Approach To Entity	Ramakrishna Reddy K	Computer Science and	JASC	1076-5131	UGC	https://app.box.com/s/tt115116

Academic Year: 2017-18

S.N.	Title of Paper	Name of The author	Department	Name of Journal	ISBN/ISSN Number	Approved Journal	Link
1.	Comparable Decision Based Expression On Association Model In Node To Node E- Commerce System	K.RamaKrishna	Computer Science and Engineering	IJR	2348- 6848	UGC approved-2017	https://edupediapublications.org/journals/index.php/IJR/article/view/14875/14269
2.	Public Sentiment Analysis On Movies Reviews	P.Praveen	Computer Science and Engineering	IJMETR	2393- 8161	UGC approved-2017	http://globalacademiclibrary.com/papers/volume-5/issue-4/public-sentiment-analysis-on-movie-reviews.pdf
3.	A Novel Model For The Software Engineering Using Process Mapping Techniques	M.Rambabu	Computer Science and Engineering	IJR	2348- 6848	UGC	https://pen2print.org/index.php/ijr/article/download/14282/13557

4.	Sub Feature Selection For Novel Classification	Hemanta Kumar Bhuyan	Computer Science and Engineering	ICICCT, IEEE Explore,	DOI:10.1109/ICICCT.2018.8473206		https://www.researchgate.net/publication/327935303_Sub-Feature_Selection_for_Novel_Classification
5.	Sub Feature Selection Based Classification,	HemantaKumar Bhuyan	Computer Science and Engineering	ICOEI, IEEE Explore	DOI:10.1109/ICOEI.2018.8553763		https://scholar.google.co.in/citations?user=ZwPaauIAAAAJ&hl=en
6.	Cloud Larder Is An Increasingly Prevalent Application Of Cloud Computing Provide On Demand Outsourcing Document Assistance	K.RamaKrishna	Computer Science and Engineering	IJR	2348-6848	UGC approved-2017	https://pen2print.org/index.php/ijr/article/view/14245
7.	Cloud Larder Is An Increasingly Prevalent Application Of Cloud Computing Provide On Demand Outsourcing Document Assistance	M.Rajkumar	Computer Science and Engineering	IJR	2320-2882	UGC approved-2017	https://pen2print.org/index.php/ijr/article/view/14245
8.	Cloud Larder Is An Increasingly Prevalent Application Of Cloud Computing Provide On	K.Ramakrishnar eddy	Computer Science and Engineering	IJR	2320-2882	UGC	https://pen2print.org/index.php/ijr/ar

12.	Efficient Cache-Supported Poop Planning On Roads	K.RamaKrishna Reddy		IJMTER	2393-8161	UGC approved-2017	5/issue-4/efficient-cache-supported-path-planning-on-roads/&sa=D&source=hangouts&ust=1544765685987000&usg=AFQjCNHYlcPFW0JgqPa4YiWze653NE79RQ
13.	Enhancing Data Security Using Audio Video Steganography	M.Rambabu	Computer Science and Engineering	IJET	DOI:10.14419/ijet.v7i2.20.14777	SCOPUS	https://www.sciencepubco.com/index.php/ijet/article/view/14777
14.	Furnishing Of Ethical Associations In Related Structures	M SaidiReddy	Computer Science and Engineering	IJSRNSC	2321-3256	UGC approved-2017	http://www.ijsrnsc.org/full_paper_view.php?paper_id=342
15.	Safety Fear/Attacks Current In Cloud Environment	SMP Qubeb	Computer Science and Engineering	IJCRT	2320-2882	UGC approved-2017	http://www.ijcrt.org/papers/IJCRTNCES059.pdf
	Privacy Protection Using		Computer			UGC	http://www.ijcrt.org

16.	Generalization For Collaborative Data Publishing	M.Saidi.Reddy	Science and Engineering	IJCRT	2320-2882	approved-2017	org /viewfull.php? &p_id=IJCRTN CES061
17.	Stealth Steganography Using Message Digest Secure Hash Algorithm In Information Security	M.Kavya	Computer Science and Engineering	IJCRT	2320-2882	UGC approved-2017	http://www.ijcrt.org /papers/IJCRTN ES062.pdf
18.	Predicting The Public Opinion From The Social Networks	K.Arun	Computer Science and Engineering	IJCRT	2320-2882	UGC approved-2017	http://www.ijcrt.org _____ /papers/IJCRTN ES063.pdf
19.	Review On Performance Evaluation Of Symmetric &Asymmetric Algorithm To Provide Security For Cloud Computing	Ashwini Gulhane	Computer Science and Engineering	IJCRT	2320-2882	UGC approved-2017	http://www.ijcrt.org /papers/IJCRTN ES064.pdf
20.	Data Integrity And Delay Differentiated Services In Wireless Sensor Networks Using Dynamic Routing	S .Mahesh Kumar	Computer Science and Engineering	IJCRT	2320-2882	UGC approved-2017	http://www.ijcrt.org _____ /papers/IJCRTN ES065.pdf
21.	A Big Image Data Distributed Processing Frame Work In Static And Dynamic Image Cloud Processing	Shaik Asha	Computer Science and Engineering	IJCRT	2320-2882	UGC approved-2017	http://www.ijcrt.org _____ /papers/IJCRTN

							ES066.pdf
22.	A A Grid System For Never Ending Location-Based Services	Shaik Shakeera	Computer Science and Engineering	IJCRT	2320-2882	UGC approved- 2017	http://www.ijert.org/viewfull.php?&p_id=IJCRTNCE_S067
23.	A Secure Public Key Broadcast Encryption(Pkbe) For Cooperative Groups In Manet	Krushima Soma	Computer Science and Engineering	IJCRT	2320-2882	UGC approved- 2017	http://www.ijert.org/papers/IJCRTNCE_S068.pdf
24.	Public Sentiment Analysis On Movies Reviews	P.Praveen	Computer Science and Engineering	IJCRT	2320-2882	UGC approved- 2017	http://globalacademiclibrary.com/papers/volume-5/issue-4/public-sentiment-analysis-on-movie-reviews.pdf
25.	Augmented sh (SmarterHealthcare)BigData AnalyticsWith“Outsmart- FgacCloudFramework	Jaya Bharathi	Computer Science and Engineering	IJCRT	2320-2882	UGC approved- 2017	http://www.ijert.org/viewfull.php?&p_id=IJCRTNCE_S069
26.	Novel And Time Efficient Index To Search Near- Optimal Query Results With Better Efficiency	A.RajyaLakshmi	Computer Science and Engineering	IJCRT	2320-2882	UGC approved- 2017	http://www.ijert.org/papers/IJCRTNCE_S070.pdf

27.	Effective Data Mining Association Rules And Classification Techniques For Heart Disease Prediction System	K.Sudheer Kumar	Computer Science and Engineering	IJCRT	2320-2882	UGC approved-2017	http://www.ijert.org/papers/IJCRTNCES071.pdf
28.	Mode Convertor	M.Rambabu	Computer Science and Engineering	IJCRT	2320-2882	UGC approved-2017	http://www.ijert.org/papers/IJCRTNCES074.pdf
29.	Information Secured Stealth Steganography Using Mms(Sss In Mms)	M.Rambabu	Computer Science and Engineering	IJCRT	2320-	UGC approve d-2017	http://www.ijert.org/confarchive.php?vol=6&issue=
30.	Enhanced Honey Cipher Structure With Multiple	M.Rambabu	Computer Science and	IJCRT	2320-	UGC approve	http://www.ijert.org
31.	Online Payment Solutions Fully Off-Line Functions On	Balakoti reddy Putluri	Computer Science and Engineering	IJCRT	2320-2882	UGC approve d-2017	http://www.ijert.org/papers/IJCRTNCES071.pdf
32.	Designing Of Content Based Image Retrieval	LRaghu Kumar	Computer Science and	IJCRT	2320-	UGC approve	http://www.ijert.org
33.	Improving Data Security In Audio Steganography With	M.Rambabu	Computer Science and	IJCRT	2320-	UGC approve	http://www.ijert.org
34.	Enhancing The Bug Tossing Graph And	M.Rambabu	Computer Science and	IJCRT	2320-	UGC approve	http://www.ijert.org
35.	Image Processing In Data Mining By Using	M.Rambabu	Computer Science and	IJCRT	2320-	UGC approve	http://www.ijert.org

5.2.1. Sponsored Research(5)

Science and Engineering Research Board(SERB)								
Scientific and Useful Profound Research Advancement(SUPRA)								
S. No.	Name of Principal Investigator	Title	Broad Area	Scheme Name	Submission Date	Duration	Cost of Project Applied	Status
1	Dr.Hemanta Kumar Bhuyan	Study and analysis of human activities through IOT using electro-computing technology for	Engineering Sciences	SUPRA	8/11/2019	36 months	25,30,000/-	Submitted and Under Evaluation
2	Dr.SivaS hankar S	Designing of sustainable and secure wireless sensor network	Engineering Sciences	SUPRA	20/11/2019	36 months	25,08,000/-	Submitted and Under Evaluation

5.2.1. Development activities (10)

5.7.3.1. Product Development

S no	Name of the Project	Guided by
------	---------------------	-----------

1	Dual server public key encryption with keyword search for secure cloud storage	Mr.M.RajKumar
2	Nearest keyword set search in multi-dimensional datasets	Mr.Y.VenkatRao
3	Cyber Bullying detection based on semantic enhanced marginalized demising auto–encoder	Mr.K.RamaKrishna
4	Connecting social media to E-Commerce: cold-start products Recommendation using Micro blogging information	Mr.M.Joy Kumar
5	Data Preprocessing and Modelling for Empirical Data	Mr.L.RaghuKumar
6	IoT based SmartFarming	Ms.M.Kavya
7	Gas leakage control system	Mr.K.Arunkumar
8	NESSUKA –checks purity of the water	Mr.L.Raghukumar
9	Privacy Protection and integration for heal thin formation exchange based on cloud computing system	Mr.L.Raghukumar
10	Secure and signature Based data sharing schema for dynamic groups in the cloud	Ms.KrushimaSoma
11	Budget Control System	Mr.M.Saidireddy
12	Multi variate Analysis Using R Programming	Mr.M.Saidireddy

S.No	Project to Prototype Development	Faculty Name	Academic Year
1	Budget control system	Mr.M.Saidireddy	2013-2017

5.7.3.2. Research Lab Facility

The CSE Department has established a Research and Development lab with modern equipment and software. This lab is used by the faculty members and students to carry out their research work, Paper Publications and projects. We have laboratory in the form of

Name of faculty	Developed Research Laboratory
Dr. B Harikrishna	R &D and Project incubation center
Dr. J. Srinivas	IOT Maker Space lab
Mr. Raghukumar Lingamallu	Blockchain Lab

5.7.3.3. Instructional Materials

Lecture Notes related to all subjects are readily available in the form of course files and also a handbook is uploaded along with PPT in the College Website. Instruction material developed by Faculty:

- Power Point Presentation
- NPTEL Video Lecturers
- Lab Manuals
- Hand Books
- Course Files

5.7.3.4. Charts

S No	List of Charts	Location (Room No)
1	Data Structures	S-321
2	C++ Programming	S-320
3	Database Management Systems	S-320
4	Java Programming	S-322
5	Operating Systems	S-319
6	Design and Analysis of Algorithms	S-320
7	Software Engineering	S-321
8	Computer Networks	S-319
9	Web Technologies	S-319
10	Cryptography and Network Security	S-319
11	Data Mining	S-321
12	Python Programming	S-322
13	Mobile Application Development	S-320
14	Internet of Things	S-310

15	Compiler Design	S-319
16	Linux programming	S-319

5.7.4. Consultancy (from Industry) (5)

Academic Year	Project Title	Founding Agency	Faculty Name	Duration	Amount
2018-2019	Website Maintenance (www.aristotle.ac.in.)	ARISTOTLE PG COLLEGE	Dr.Hemanta Kumar Bhuyan,Mr.Venkat.Y	12 Months	1,00,000
2017-2018	Website Maintenance (www.aristotle.ac.in.)	ARISTOTLE PG COLLEGE	Dr.Hemanta Kumar Bhuyan,Mr.Venkat.Y	12 Months	1,00,000

5.8. Faculty Performance Appraisal and Development System (FPADS)(30)

The institute encourages employees with structured performance appraisal system which was designed to foster individual development and identify opportunities for additional support so as to more productivity to achieve good results. The present appraisal system motivates the staff to put forth the best of their efforts. All the teaching staff have been informed to carry out at least 3 of the following tasks every academic year: teaching, research, service to the institution, and professional development/self-improvement. At the start of each semester, the faculty are instructed to set performance goals for themselves by mentioning what they would like to achieve in 3 or 4 of the categories. Faculty who are teaching courses should mention the average pass and academic percentage they would help their students achieve in the course.

Faculty pursuing research should mention the number of papers they wish to publish in the academic year. Faculty are also expected to mention how they would serve the institution i.e. what additional work they will be taking up in supporting the different departments in the institution and what workshops/STTP's they are planning to attend to help them develop professional. All the above mentioned in included in each faculty's goal setting document which is submitted to

the HoDs. All the HoDs review the goal setting documents and approve them in consultant with the HR and the Principal.

At the end of the odd semester, mid-year reviews are conducted for all the faculty to review the progress of the goals they mentioned in the goal setting document. Depending on the progress, feedback is given to each faculty on how to improve their performance. At the end of the even semester, end-of-the-year review sessions are conducted with each faculty to measure the progress of the goals set at the start of the academic year. The end-of-the-year review sessions are facilitated for the respective HoDs in the presence of the Principal, Chairman, and HR. Depending on the progress of the faculty, the committee decided the appraisal of the faculty and take appropriate decisions on salary increments and promotions.

Faculty Appraisal Form

Faculty Appraisal Form		
Faculty Name:	Department:	Position:
Appraisal Start Date:	Appraisal End Date:	Date Conducted:

A. Teaching (100 marks)				Max	Scored = Max/Wtg	Evidence
1. Teaching Effectiveness - Calculated based on adherences to academic calendar and student's performance.				25		
Excellent	Average	Poor				
2. Innovations in Teaching & Learning - Implementation of active learning pedagogies to enhance students' learning.				15		
Beyond	Expected	Below				
3. Student feedback collected at the end of the semester.				10		
Excellent	Average	Poor				
4. Improvement in teaching practices based on mid-semester feedback collected from the students.				10		
Effective	Moderate	Poor				
5. Student mentoring: Effectiveness of mentoring students to monitor their progress and help them to succeed in the program.				15		
Effective	Moderate	Poor				
6. Participation in teaching workshop/seminar to improve teaching through the 'Center for Engineering Education Development'.				10		
Beyond	Expected	Below				
7. Strategies adopted to support slow and advanced learners.				15		
Beyond	Expected	Below				
Total A						

Minimum Eligible Criteria: 60 % score

B. Research (100 marks)				Max	Secured= Max/Wtg	Evidence	
Section I: Academic Research							
<ul style="list-style-type: none">Primary, Secondary and Tertiary authorships are considered.If all the other authors in a publication are students of the faculty then any position is considered for authorship.In some of the research areas more number of authors (more than 3) can be considered based upon the recommendation by the committee formed by the Research Council							
1. Total Publications in refereed scholarly article in a national or international Journal papers indexed in Web of Science or Scopus.				25			
Beyond			Expected				Below
2. Publications in refereed scholarly article in a national or international Conference papers indexed in Web of Science or Scopus				15			
Beyond			Expected				Below
3. Applies and secures research funding				30			
Beyond			Expected				Below
Sections II: Other research related activities							
4. Develops patents / Industrial consultancy through scholarly research				20			
Beyond			Expected				Below
5. Guides UG students for research and projects (should result filing of patents or paper publication)				10			
Beyond			Expected				Below
Total B							

Note: Minimum Eligible Criteria: Minimum score for this category will be based upon the number of years of experience, qualification, cadre and responsibilities assigned.

C. Service to the Institution (100 marks)				Max	Secured = Max/Wtg	Evidence
1. Leadership responsibility at institute/department (traditional & non-traditional) level. Non-traditional include Student Welfare, IQAC, CEED, T&P, Accreditation etc.				15		
Commitment	Genuine Compliance	Formal Compliance				

2. Cooperating with departmental programs and processes			3		
Commitment	Genuine Compliance	Formal Compliance			
3. Support provided for effective functioning of the department (applicable for assigned department)			10		
Commitment	Genuine compliance	Formal Compliance			
4. Coordination of accreditation related activities			10		
Commitment	Genuine compliance	Formal Compliance			
5. Authors departmental reports or documents			3		
Commitment	Genuine compliance	Formal Compliance			
6. Coordination of admissions related tasks			3		
Commitment	Genuine compliance	Formal Compliance			
7. Organizes a workshop/guest lecture/training program			3		
Beyond	Expected	Below			
8. Support in organizes of institute level programs such as conference/student fest			10		
Commitment	Genuine compliance	Formal Compliance			
9. Serves as in-charge for student club/organization			10		
Commitment	Genuine compliance	Formal Compliance			
10. Serves as head of committee or cell (e.g. student grievance cell, women's cell, program assessment committee)			10		
Commitment	Genuine compliance	Formal Compliance			
11. Serves on boards, liaison, representative, external reviewer to schools/colleges/universities			3		
Commitment	Genuine compliance	Formal Compliance			

12. Mentors junior faculty to succeed in their role.			5		
Commitment	Genuine compliance	Formal Compliance			
13. Adherence towards examination related duties.			5		
Commitment	Genuine compliance	Formal Compliance			
Choose as many areas as applicable					
Total C					

Minimum Eligible Criteria: Minimum score for this category will be based upon the number of years of experience, qualification, cadre and responsibilities assigned.

D. Professional Development (35 marks)			Max	Secured + Max/Wtg	Evidence
1. Participation in Faculty Development Programs (FDPs)			05		
Beyond	Expected	Below			
2. Participation in Short Term Training Programs (STTPs)			10		
Beyond	Expected	Below			
3. Registration and completion of online courses/MOOCs such as NPTEL, SWAYAM etc.			10		
Beyond	Expected	Below			
4. Participation in state/national/international conferences			05		
Beyond	Expected	Below			
5. Holds membership in professional organizations			05		
Beyond	Expected	Below			
Total D					

Minimum Eligible Criteria: 60 % score

E. Peer Evaluation (15 marks)			Max	Secured + Max/Wtg	Evidence
1. Performance evaluation by peer/mentor			5		
Beyond	Expected	Below			

4. Performance evaluation by head or department			5		
Beyond	Expected	Below			
5. Performance evaluation by other reporting instructor (if applicable)			5		
Beyond	Expected	Below			
Total E					

Minimum Eligible Criteria: not applicable

Total Score = Total A + B + C + D + E = _____

Faculty Member's Signature: _____ Date: _____

1. Appraiser's Signature: _____ Date: _____

2. Appraiser's Signature: _____ Date: _____

6 FACILITIES AND TECHNICAL SUPPORT (80)

Total Marks 80.00

6.1 Adequate and well equipped laboratories, and technical manpower (30)

Total Marks 30.00

Institute Marks : 30.00

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
1	Java Lab	20	Computer Systems with required softwares and 10 additional systems	9 hours	N Ravi	Lab Assistant	Diploma CSE
2	Information Technology Workshop	20	Hardware: Computers, Servers, UPS, Projector. Software: Ms Office, latex	9 hours	R. Dayakar	Lab Assistant	B.Com
3	Operating System Lab	20	Computer Systems with required softwares and 10 additional systems	9 hours	N Ravi	Lab Assistant	Diploma CSE
4	Web Technology Lab	20	Computer Systems with required softwares and 10 additional systems	9 hours	N Ravi	Lab Assistant	Diploma CSE
5	Database Management System Lab	20	Computer Systems with required softwares and 10 additional systems	9 hours	R. Dayakar	Lab Assistant	B.Com

6	Design and Analysis of Algorithm Lab	20	Computer Systems with required softwares and 10 additional systems	9 hours	R. Dayakar	Lab Assistant	B.Com
7	Data Structure Lab	20	Computer Systems with required softwares and 10 additional systems	9 hours	R. Dayakar	Lab Assistant	B.Com
8	C++ programming lab	20	Computer Systems with required softwares and 10 additional systems	9 hours	R. Dayakar	Lab Assistant	B.Com
9	Software Engineering Lab	20	Computer Systems with required softwares and 10 additional systems	9 hours	P.Ramesh	Lab Assistant	MBA
10	Computer Networks Lab	20	Computer Systems with required softwares and 10 additional systems	9 hours	P.Ramesh	Lab Assistant	MBA
11	Data Warehousing and Data Mining Lab	20	Computer Systems with required softwares and 10 additional systems	9 hours	P.Veeresh	Lab Assistant	B Tech (CSE)
12	Python Lab	20	Computer Systems with required softwares and 10 additional systems	9 hours	P.Veeresh	Lab Assistant	B Tech (CSE)
13	Internet of Things Lab	20	Computer Systems with required Equipment's (Raspberry-pi, Sensors, and connecting wires)	9 hours	Praveen Kumar Reddy	Lab Assistant	Diploma (ECE)
14	Linux programming lab	20	Computer Systems with required softwares and 10 additional systems	9 hours	N Ravi	Lab Assistant	Diploma CSE

6.2 Additional facilities created for improving the quality of learning experience in laboratories (25)

Total Marks 25.00

Institute Marks : 25.00

S.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 Peripheral Assembling Lab	Using Scrap/Unused Systems	To provide complete picture of hardware devices for better understanding of the subjects	18 hours/Week	Live experience of disassembling, locating the devices, assembling the system.	PO1, PO4, PO7
2	Common Internet Facility	Internet Speed up to 50 Mbps	Facility to staff and students for enhancing Teaching Learning	Opened for utilization throughout the semester	Access to learning resources for content beyond syllabus.	PO1, PO3, PO4, PO5, PO12
3	Project Laboratory	Computer (I3 Processor 4gb ram 500gb hdd)	To utilize for developing Mini-project, Project, Innovation and publication	Opened for utilization throughout the semester	Research activities, mini and major projects.	PO1, PO2, PO3, PO4, PO5, PO12
4	Internet of Things Maker Space Lab	Monitors with keyboard, mouse, raspberry-	Development of IoT based projects	Opened for utilization throughout the semester	Cloud based application, Any application related to IOT, raspberry pi based application.	PO1, PO2, PO3, PO4, PO5, PO12

		pi,sensors and connecting wires				
5	Campus Recruitment Training	Soft skills and Technical training.	For Developing Communication skills, Technical skills and personality development	6 hours/Week	Students will benefit in placements	PO1, PO2, PO3, PO9, PO10

6.3 Laboratories: Maintenance and overall ambience (10)

Total Marks 10.00

Maintenance of Laboratory Equipment

- Department has adequate number of laboratories which are used for students from 1st, 2nd 3rd and 4th years based timetable to meet the curriculum requirements.
- Laboratories are equipped with required hardware and licensed/open-source softwares to write and run program specified in curriculum.
- Each laboratory is equipped with required PCs, adequate number of lights and power backup.
- For each laboratory stock register, maintenance register, and logic register are maintained.
- The laboratory has good ambience and equipment are arranged in a way that student can feel comfortable for doing laboratory experiments.
- Laboratory facility is available for students after normal working hours if necessary.
- For major and minor projects, each group member is allotted with an individual system.
- Regular maintenance of equipment is carried out at the end of every semester. Minor repairs are carried out by the lab assistants.
- Maintenance of computers is taken care by Computer Science Engineering department.
- Standard Operating Procedure is available for maintenance and cleaning of al IT facilities.
- Major repairs are outsourced at the end of every semester
- Cleaning of laboratories is carried out regularly.

Overall Ambience

- Courses which have practical work are allocated to appropriate laboratories.
- Support Staff are allotted to maintain the cleanliness of the laboratory.

Sr. No.	Name of the Facilities	Utilization
---------	------------------------	-------------

6.4 Project laboratories (5)

Total Marks 5.00

- Laboratory manual are distributed to all students.
- Chairs are provided for individual students in labs and conditions of chairs/tables are in good condition.
- Sufficient number of windows is available for ventilation and natural light and every lab has one exit.

6.5 Safety measures in laboratories (10)

Total Marks 10.00
Institute Marks : 10.00

- Lighting system is very effective, along with the natural light in every corner of the rooms.
- Laboratory contains Internet access with bandwidth of 50 MBPS with LAN facility.
- Power backup facility of 15 KVA is available in each laboratory.
- Project Laboratory contains 60 computers with required configuration for conducting the Lab.
- Application software's such as Oracle 9i,10g,11g,JDK 1.7, Net Beans, Star UML, Linux and Windows operating system, Weka tool, Visual studio SQL Server, Apache Tomcat 7.0, Turbo C++, , Acrobat Reader, Office 2007, WinZip.
- Printing facility available.

1	60 computer systems with the below specifications <ul style="list-style-type: none"> • Intel ® core™ i3-3210 cpu@3.20ghz, • 4.0 GB RAM, • x64 based processor 	Students, research scholars and faculty members utilize for mini projects, projects, and research activities.
2	Software's (.Net Frame Work, Apache Web Server, Android SDK, Mysql, J2EE, J2ME, MS office	UG students, research scholars and faculty members utilize for their mini projects, projects, and research activities.
3	15KVA UPS 240 VDC along with batteries	Used in case of power failure in all PC System.

S. No.	Name of the Laboratory	Safety measures
1	Java programming lab	<ul style="list-style-type: none"> • General rules of conduct are displayed in laboratories. • Well trained technical supporting staff. • Sufficient earth connections are provided in laboratories. • First aid box, fire extinguisher are kept in the laboratory • Avoiding the use of damaged equipment's and provide needful equipment's and components.
	Linux Programming lab	
	Operating System lab	
	Web Technology lab	

		<ul style="list-style-type: none"> • Specific safety rules for students displayed
2	Database Management System lab	<ul style="list-style-type: none"> • General rules of conduct are displayed in laboratories. • Well trained technical supporting staff. • Sufficient earth connections are provided in laboratories. • First aid box, fire extinguisher are kept in the laboratory • Avoiding the use of damaged equipment's and provide needful equipment's and components. • Specific safety rules for students displayed
	Design Analysis and Algorithm lab	
	C++ Programming lab	
	Data Structure lab	
3	R Programming lab	<ul style="list-style-type: none"> • General rules of conduct are displayed in laboratories. • Well trained technical supporting staff. • Sufficient earth connections are provided in laboratories. • First aid box, fire extinguisher are kept in the laboratory • Avoiding the use of damaged equipment's and provide needful equipment's and components. • Specific safety rules for students displayed
	Data Warehouse and Data Mining lab	
	Software Engineering lab	
4	Python Programming lab	<ul style="list-style-type: none"> • General rules of conduct are displayed in laboratories. • Well trained technical supporting staff. • Sufficient earth connections are provided in laboratories. • First aid box, fire extinguisher are kept in the laboratory • Avoiding the use of damaged equipment's and provide needful equipment's and components. • Specific safety rules for students displayed
	Computer Networks lab	
5	Internet of Things (IoT) lab	<ul style="list-style-type: none"> • General rules of conduct are displayed in laboratories. • Well trained technical supporting staff. • Sufficient earth connections are provided in laboratories. • First aid box, fire extinguisher are kept in the laboratory • Avoiding the use of damaged equipment's and provide needful equipment's

		and components. <ul style="list-style-type: none"> • Specific safety rules for students displayed
6	Information Technology Workshop lab	<ul style="list-style-type: none"> • General rules of conduct are displayed in laboratories. • Well trained technical supporting staff. • Sufficient earth connections are provided in laboratories. • First aid box, fire extinguisher are kept in the laboratory • Avoiding the use of damaged equipment's and provide needful equipment's and components. • Specific safety rules for students displayed
7	Project lab	<ul style="list-style-type: none"> • General rules of conduct are displayed in laboratories. • Well trained technical supporting staff. • Sufficient earth connections are provided in laboratories. • First aid box, fire extinguisher are kept in the laboratory • Avoiding the use of damaged equipment's and provide needful equipment's and components. • Specific safety rules for students displayed

7 CONTINUOUS IMPROVEMENT (50)

Total Marks 50.00

7.1 Actions taken based on the results of evaluation of each of the POs & PSOs (20)

Total Marks 20.00

Institute Marks : 20.00

POs	Target Level	Attainment Level	Observations
PO 1 : Engineering Knowledge			

PO 1	1.62	1.39	Target not Attained
Target level attained through engineering specific courses offered in the curriculum.			
PO 2 : Problem Analysis			
PO 2	1.47	1.45	Target not Attained
The target level is attained by analysis of problems through project-based assignments, mini-projects and major projects.			
PO 3 : Design/development of Solutions			
PO 3	1.45	1.20	Target not Attained
Practice through designing solutions for projects submitted for project-based assignments, mini-projects and major projects.			
PO 4 : Conduct Investigations of Complex Problems			
PO 4	0.74	0.64	Target not Attained
Target level attained by investigation of engineering experiments in laboratories every semester.			
PO 5 : Modern Tool Usage			
PO 5	0.43	0.36	Target not Attained
Conducted additional programs focusing on using modern tools that are relevant and widely used in the industries.			
PO 6 : The Engineer and Society			
PO 6	0.25	0.22	Target not Attained
Target level attained through courses offered in the curriculum highlighting implications of engineering solutions on the society. Students while working on projects are expected to solve real world problems that would be beneficial to nearby communities.			
PO 7 : Environment and Sustainability			
PO 7	0.13	0.09	Target not Attained
Target level attained through courses offered in the curriculum focusing on environment and sustainability. Students while working on projects are expected to take into account the impact on environment and sustainability.			
PO 8 : Ethics			
PO 8	0.19	0.18	Target not Attained
Workshops are conducted for students on the importance of ethics in research and intellectual property rights.			
PO 9 : Individual and Team Work			
PO 9	0.11	0.11	Target Attained

Students are encouraged to collaborate in teams while working on projects and while attending training programs. The same is also highlighted in the project evaluation rubrics to highlight the importance of teamwork to students.			
PO 10 : Communication			
PO 10	0.13	0.12	Target not Attained
Communication is improved by conducting training program on soft skills to enhance various aspects of communication skills. Students are encouraged to present about a specific course topic as part of the assignments. Additional training programs are organised as part of campus recruitment trainings conducted for 3rd and 4th year students.			
PO 11 : Project Management and Finance			
PO 11	0.21	0.18	Target not Attained
Training programs are conducted for students on how to effectively manage projects and are then encouraged to implement it in their projects.			
PO 12 : Life-long Learning			
PO 12	0.67	0.59	Target not Attained
Target level attained by involving students in co-curricular and research activities where self-learning is highlighted for the students to have successful careers.			

PSOs Attainment Levels and Actions for Improvement- (2015-19)

PSOs	Target Level	Attainment Level	Observations
PSO 1	2.21	1.88	Target not Attained
Additional training programs such as Hackathon's are conducted for students to encourage them to use computer science knowledge and principles to solve complex problems in the society.			
PSO 2	1.83	1.53	Target not Attained
Target attained through best practices like Project Based assignments and collaborative Learning Practices which thereby enhance students team building skills and encourage them to participate in inter and intra college events			
PSO 3	1.34	1.24	Target not Attained
Target attained through campus recruitment training programs, training for competitive examinations and counselling for applying to post graduation programs. Students are encouraged to take up co-curricular activities that would lead to self-learning and thereby the ability for life-long learning.			

7.2 Academic Audit and actions taken thereof during the period of Assessment (10)

Total Marks 10.00

Institute Marks : 10.00

Internal Quality Assurance Cell (IQAC) conducts monthly and semester wise audits in each of the departments where the team reviews the various documents filed.

On a monthly basis, the IQAC audits the following activities

1. Technical seminars
2. Guest lectures
3. Technical workshops
4. Industrial institute interaction
5. Industrial visit
6. Visit from adjunct faculty
7. Implementation of innovative teaching-learning methodologies
8. Consultancy with industry
9. Mentor-mentee interaction
10. Study hours conducted for difficult subjects
11. Faculty workload
12. Student attendance

On a semester basis, the Internal Quality Assurance Cell audits the following activities

1. Academic calendar and time table
2. Internal examinations and evaluation
3. Course outcome attainment through internal examination
4. Course outcome attainment through external examination
5. Course outcomes-program outcomes attainment
6. Student enrolment ratio
7. Academic performance of students
8. Students placements, higher studies, and entrepreneurship
9. Student-faculty ratio
10. Faculty qualification
11. Faculty-cadre proportion
12. Faculty retention
13. Laboratory facilities
14. Student feedback and action taken reports
15. Elective subject selection process
16. BOS, academic council membership
17. Faculty professional body memberships

After the end of each audit, the IQAC team prepares a report which is submitted to the respective HODs.

After the completion of all audits, the IQAC organizes an institutional level meeting once every month to present the IQAC audit reports.

All HODs are expected to consider the feedback given in the IQAC report and prepare an action taken report for their respective department.

The implementation of the action taken report is verified by the IQAC team in the subsequent audit.

Improvement in Placement:

- Our institution proves the excellence in placement every year.
- The institution interacts with reputed organizations all over the country for arranging campus interviews for the placement of final year students.
- The Placement Cell is committed to provide all possible assistance to students in their efforts to find employment.
- The Placement service operates round the year to facilitate contacts between companies and the Graduates.
- These commitments are achieved by the existence of a full-time placement officer in-charge.

ITEM	2020-21	2019-20	2018-19	2017-18	2016-17
Total No. of Final Year Students(N)	110	98	90	86	38
No. of Students Placed in Companies or Government Sector (X)	40	42	60	31	24
No. of Students admitted to higher studies with valid qualifying scores (GATE or Equivalent State or National Level Tests, GRE, GMAT, etc.)(Y)	02	01	9	17	13
No. of students turned entrepreneur in engineering / technology(Z)	0	0	0	2	0
Placement Index: $(X+Y+Z)/N$	0.381	0.43	0.77	0.58	0.97
Average Placement Index:			0.68		
Assessment Point=10 X Average Placement Index:			6.8		

Year wise Placements and Packages:**2020-21**

NAME OF THE COMPANY	PACKAGE (PER ANNUM)
BYJU'S	10 L PA
ADP	5 L PA
ACCENTURE	4.5 L PA
SWIFLEARN	4 L PA
MAGNAQUEST	3 L PA
INFOSYS	3.6 L PA
MULTIPLIER AI SOLUTIONS	3.5 L PA
TCS	3.36 L PA
FACE	3.06 L PA
QSPIDERS	3 L PA
PROWESS	3 L PA
EFFIASOFT	3 L PA
PENTAGON SPACE	3 L PA
TECHNOLOGICS	3 L PA
NIT DATA (THROUGH TATA GROUP)	3 L PA
TIMING TECHNOLOGIES	3 L PA
RELIANCE JIO MART	2.50 LPA
MECHLIN TECHNOLOGIES	2.50 LPA

2019-20

NAME OF THE COMPANY	PACKAGE (PER ANNUM)
LIDO LEARNING	10 L PA
BYJU'S	10 L PA

COGNIZANT	4 L PA
WIPRO	3.6 L PA
JUSTDIAL	3 L PA
GENPACT	2.4 L PA
EDURUN	2.4 L PA
VENHASA TECHNOLOGIES	2.4 L PA
LVS TECHNOLOGIES	2.4 L PA

2018-19

NAME OF THE COMPANY	PACKAGE (PER ANNUM)
BYJU'S	10 L PA
AQUILA MEDICAL SCRIBING TRAINING DIVISION	4 L PA
SEROLE INFO	3.60 L PA
SIGARAMTECH	2.40 L PA
VASUDHAIKA	2.40 L PA
EVEREST IMS	2.40 L PA
CISTRON INFOTEK PVT LTD	2.40 L PA
QSPIDER'S	2.40 L PA
HI-FAB ENGINEERS	2.40 L PA
INTELLICRATS	2.40 L PA
GENPACT	2.40 L PA
KVR RAIL INFRA	2.16 L PA
RAAM GROUP	1.80 L PA
MAGNETEK ENTERPRISES	1.80 L PA
KARVY	1.80 L PA

INDIABULLS CONSUMER FINANCE	1.80 L PA
NAVATA ROAD TRANSPORT	1.80 L PA
SIDE FARM PVT LTD	1.80 L PA
APPOLO PHARMACY LTD	1.80 L PA
SULAKSHANA CIRCUIT LIMITED	1.20 L PA

2017-18

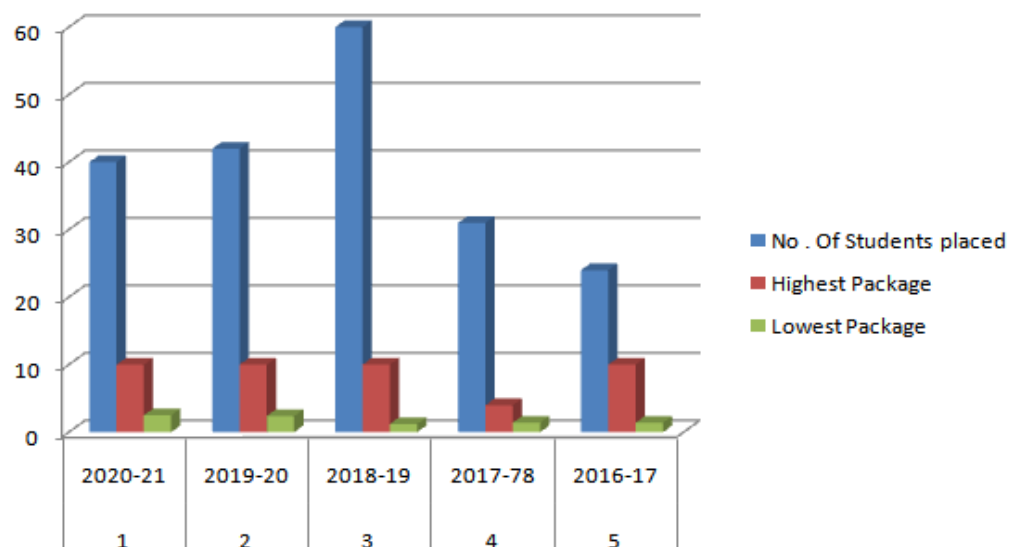
NAME OF THE COMPANY	PACKAGE
ADP	4.0 L PA
GENPACT	1.5 L PA
QSPIDERS	1.8 L PA
JUST DIAL	2.4 L PA
NNEQT BUISINESS SOLUTIONS	2.2 L PA
TECH MAHINDRA	2.4 L PA
EUREKA FORBES	1.4 L PA
KARVY	1.4 L PA
MAGNATEK ENTERPRISES	2.4 L PA

2016-17

NAME OF THE COMPANY	PACKAGE (PER ANNUM)
HCL	10 L PA
TRIGEO TECHNOLOGIES PVT LTD	4 L PA
KIZMAT INFOTEK	3.2 L PA
CRITICAL RIVER TECHNOLOGIES PRIVATE LIMITED	2.4 L PA
QSPIDERS	1.8 L PA

KARVY	1..4 L PA
-------	-----------

The above tables clearly indicate gradual improvement in the number of companies visiting campus and also notable improvement in packages. Year wise quality of placement is also improved by increase in the number of core companies visiting the campus.



The above graph represents the improvement in number of students placed with their highest and lowest packages during five academic years.

7.4 Improvement in the quality of students admitted to the program (10)

Total Marks 10.00
Institute Marks : 10.00

7.4 IMPROVEMENT IN THE QUALITY OF STUDENTS ADMITTED TO THE PROGRAM:

The eligibility criteria for the TS EAMCET are as follows:

A. The candidate should have completed or appearing in the class 12th or equivalent examination, with Physics, Chemistry and Mathematics.

OR

The candidate should have appeared or completed the diploma engineering examinations that are conducted by the State Board of Technical Education and Training, Telangana/ Andhra Pradesh.

B. The candidates must have a score of at least 45% (40% in case the candidates belong to reserved category) in PCM in class 12th or equivalent exam.

C. For pharmacy and Engineering courses, candidates should have completed 16 years of age, as on December 31 of the year of admission. There is no upper age limit to apply for the examination. In the case of B.Tech (Dairy Technology), B.Tech. (Agricultural Engineering), B.Tech. (FST) and B.Sc. (CA & BM), Candidates should have completed 17 years of age as on December 31 of the year of admission.

Total No. of Admissions in Academic Years:

S.No	Academic Year	Approved Intake	B. Tech Regular Admissions			Total Admitted
			Convener Quota	MGMT Quota	Spot Admissions	
1	2020-21	120	63	36	11	110
2	2019-20	120	71	34	13	118
3	2018-19	120	82	36	02	120
4	2017-18	120	77	32	-	109

Improvement In The Quality Of Students Admitted To The Program:

Item		2020-21	2019-20	2018-19	2017-18
National Level Entrance Examination (Name of the Entrance Exam)	No. of Students admitted	0	0	0	0
	Opening Rank/Score	0	0	0	0
	Closing Rank/Score	0	0	0	0
State/University/Level Entrance Examination/Others (Name of the Entrance Examination)	No. of Students admitted	63	68	80	77
	Opening Rank/Score	16510	23632	31398	37201
	Closing Rank/Score	86148	94958	99071	103001

Name of the Entrance Examination for Lateral Entry or lateral Entry details	No. of Students admitted	0	10	1	2
	Opening Rank/Score	-	115	1091	439
	Closing Rank/Score	-	4320	1091	455
Average CBSE/Any other Board Result of admitted Students(Physics, Chemistry & Maths)		63	77.9	76.4	73.4

Ranking in Academic Year:

Academic Year: 2020-21

2020		Opening Rank	Closing Rank
Category	OC	16510	78345
	BC	31251	81377.1
	SC	63452	86148
	ST	61187	79945

Academic Year: 2019-20

2019		Opening Rank	Closing Rank
Category	OC	406	52942
	BC	115	83512
	SC	84335	94958
	ST	99266	99266

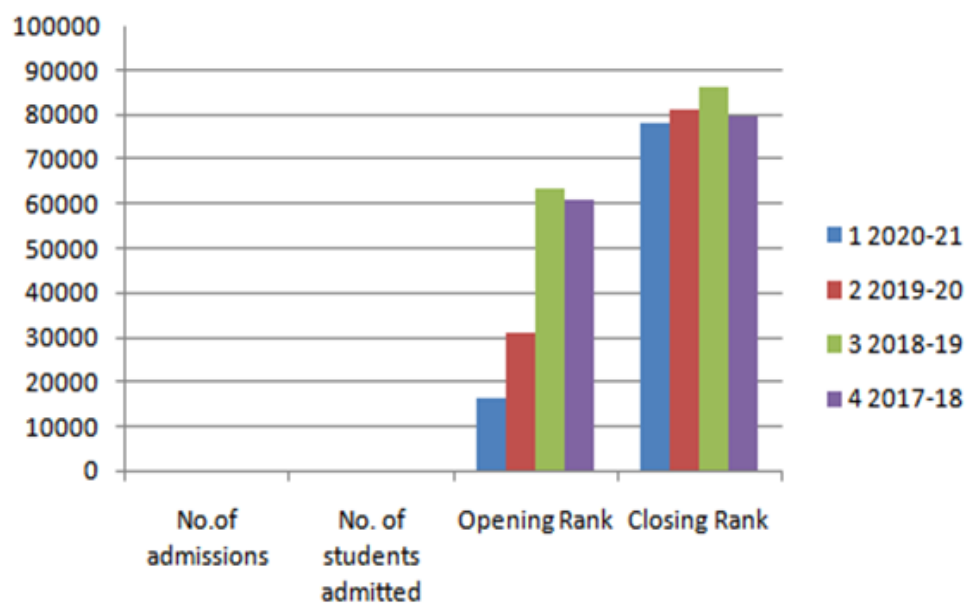
Academic Year: 2018-19

2018		Opening Rank	Closing Rank
Category	OC	1626	55835

	BC	1091	96507
	SC	2969	99071
	ST	5241	94364

Academic Year: 2017-18

2017		Opening Rank	Closing Rank
Category	OC	23424	49162
	BC	439	97067
	SC	97498	103001
	ST	4551	4551



The above graph clearly indicate gradual improvement in the quality students admitted of eamcet opening ranking and closing ranking.

8. FIRST YEAR ACADEMICS

8.1 First Year Student-Faculty Ratio (FYSFR) (5)

List of Faculty Academic Year 2019-20

S.No.	Name	PAN No.	Qualification	Date of Aquiring Highest degree	Area of Specialization	Designation	Date of Joining	Teaching Load	Date on which Designated as Professor/ Associate	Nature of Association (Regular/Contract/ Adjunct)	Currently Associated	If contractual Full time or Part time	Date of Leaving (In case
1.	Dr. Srinivas Rao Tumati	AFVPT9110L	Ph.D	22.07.2009	Chemistry	Professor	14.05.2018	18	-	Regular	No	-	31.05.2020
2.	Dr. I A P S Murthy	AADPI1782L	Ph.D	31.07.1992	Chemistry	Professor	15.07.2019	18	-	Regular	No	-	01.06.2020
3.	Kalpana	BCAPG4029G	<u>M.SC</u>	25.08.2012	Chemistry	Assistant Professor	04.07.2019	24	-	Regular	Yes	-	-
4.	Dr. Chennakesavaiah	BKVPB1311D	Ph. D	28.06.2011	Maths	Associate Professor	25.04.2018	18	-	Regular	No	-	01.09.2020
5.	Mr.Ather Ali Mirza	ALSPM0018P	M.Sc	10.06.1982	Physics	Assistant Professor	04.07.2019	24	-	Regular	No	-	01.05.2020
6.	Dr. Ujwal	DKOPP1837D	Ph.D	22.03.2013	Radiation Physics	Assistant Professor	20-01-2020	18	-	Regular	No	-	09.06.2021
7.	Mrs.Zareena Zameer	AOQPP4437C	MA	10.04.2001	English	Assistant Professor	11.07.2018	24	-	Regular	Yes	-	-
8.	Mr.Golla Narsimhulu	AJJPN6103B	M.Sc	20.06.2008	Maths	Associate Professor	01.07.2009	24	-	Regular	Yes	-	-
9.	Sujatha	CMSPK2839M	M. Sc	10.07.2004	Maths	Assistant Professor	01.07.2019	24	-	Regular	No	-	29.09.2020
10.	Ms.P Aruna	APHPC3232L	MA	15.04.1997	H&S/MB A	Assistant Professor	28.6.2017	18	-	Regular	No.	-	30.04.2020
11.	Mr.P Paramananda Rao	CUWPP5890F	MBA	25.07.2015	H&S/MB A	Assistant Professor	30.01.2017	24	-	Regular	Yes	-	-
12.	Mr.Dumsa Mallesham	CZIPM4630H	MBA	07.08.2014	H&S/MB A	Assistant Professor	24.08.2017	16	-	Regular	Yes	-	-
13.	Dr. Ananthaiah J	AIMPJ8476F	Ph.D	11.05.2015	Physics	Associate Professor	05.12.2016	18	-	Regular	Yes	-	-
14.	Ms.P Sophia Lawrance	BDPPP6163A	MA	04.04.2008	English	Assistant Professor	20.08.2018	18	-	Regular	Yes	-	-
15.	Ms.M Srilakshmi	AMTPM9715H	M .Sc	01.04.2016	Physics	Assistant Professor	26.07.2017	18	-	Regular	No	-	15.08.2020

16.	Dr Madhulita S	GGTPS7480D	Ph.D	01.08.2018	Physics	Professor	17.06.2019	18		Regular	Yes		
17.	K Thangamani	CSEPK5595C	M.Tech	02.11.2016	Geo Technical engineering	Assistant Professor	08.12.2016	18	-	Regular	Yes	-	-
18	Khamruddin Syed	BMFPS5824N	M.Tech	21.08.2006	Electrical Power System	Associate Professor	23.05.2011	18	-	Regular	Yes	-	-
19	K Kalpana	CGFPK8797M	M.Tech	11.11.2014	Machine Designing	Assistant Professor	30.06.2016	18	-	Regular	Yes	-	-
20	Deepika Ainapur	ASAPA3127C	M.Tech	07.09.2014	Digital Electronics	Assistant Professor	18.09.2014	0	-	Regular	Yes	-	-
21	Angotu Saida	DWUPS8691J	M.Tech	28.01.2011	Electronics & Communication Engineering	Assistant Professor	01.07.2013	0	-	Regular	Yes	-	-
22	Md Asif	BZJPA2575D	M.Tech	10.01.2012	Embedded Systems	Assistant Professor	01.06.2017	0	-	Regular	Yes	-	-
23	Mahesh Reddy	AMCPR9442F	M.Tech	30.06.2012	Thermal Power Engineering	Associate Professor	15.12.2017	18	-	Regular	Yes	-	-
24	RAYAPUDI HIMA SAGARIKA	AIPPH2353A	M.Tech	31.12.2014	CSE	Assistant Professor	08-02-2017	13		Regular	Yes	-	
25	ASHWINI	BARPG0340P	M.Tech	07.10.2015	SOFTWARE ENGINEERING	Assistant Professor	08-02-2017	11		Regular	Yes	-	
26	Raghu Kumar Lingamallu	AFQPL1899D	M.Tech	17.12.009	IP	Associate Professor	06.12.2016	6	-	Regular	Yes	-	-
27	Y Venkat Rao	AILPV0325N	M.Tech	16.01.2014	CSE	Assistant Professor	17.06.2011	12	-	Regular	Yes	-	-
28	S Sathish	EJQPS1489N	M.Tech	21.11.2014	Thermal Engineering	Assistant Professor	06.06.2017	18	-	Regular	Yes	-	-

**List of Faculty
A.Y. 2018-19**

S.N o.	Name	PAN No.	Qualification	Drate of Aquiring highest degree	Area of Specialization	Designation	Date of Joining	Teaching Load	Date on which Designated as Professor/Associate Professor	Nature of Association (Regular/Contract/Adjunct)	Currently Associated (Y/N)	If contractual mention Full time or Part time	Date of Leaving (In case Currently Associated is "No")
1.	Dr. Srinivas Rao Tumati	AFVPT9110L	Ph.D	22.07.2009	Chemistry	Professor	14.05.2018	18	-	Regular	No	-	31.05.2020
2.	Dr. Chennakesavaiah	BKVPB1311D	Ph. D	28.06.2011	Maths	Associate Professor	25.04.2018	18	-	Regular	No	-	01.09.2020
3.	Mrs.Zareena Zameer	AOQPP4437C	MA	10.02.2001	English	Assistant Professor	11.07.2018	24	-	Regular	Yes	-	-
4.	Mr.Golla Narsimhulu	AJJPN6103B	M.Sc	20.06.2008	Maths	Associate Professor	01.07.2009	24	-	Regular	Yes	-	-
5.	Ms.P Aruna	APHP C3232L	MA	05.04.1997	H&S/MB A	Assistant Professor	28.6.2017	18	-	Regular	No	-	30.04.2020
6.	Mr.P Paramananda Rao	CUWPP5890F	MBA	25.07.2015	H&S/MB A	Assistant Professor	30.01.2017	18	-	Regular	Yes	-	-
7.	Mr.Dumsa Mallesham	CZIPM4630H	MBA	07.08.2014	H&S/MB A	Assistant Professor	24.08.2017	18	-	Regular	Yes	-	-
8.	Mr.M Amarnath	AYBPM8946Q	M. Sc	01.05.2005	Maths	Assistant Professor	05.07.2012	16	-	Regular	No	-	15.05.2019
9.	Dr. Venkanna Rapolu	BUQPR1917N	Ph.D	01.06.2016	Chemistry	Associate Professor	03.09.2017	16	-	Regular	No	-	14.05.2019
10.	Ms.Alajangi Revati	AZAPA9081A	M. Sc	01.04.2011	Chemistry	Assistant Professor	03.12.2016	16	-	Regular	No	-	14.05.2019
11.	Dr. Ananthaiah J	AIMPJ8476F	Ph.D	11.05.2015	Physics	Associate Professor	05.12.2016	18	-	Regular	Yes	-	-

12.	Ms. M Madhavi	DNQP M182 3P	M. Sc	01.05.2016	Physics	Assistant Professor	29.06.2017	16	-	Regular	No	-	14.05.2019
13.	Ms. P Madhavi	BRIP M982 8C	MA	20.07.1987	English	Associate Professor	17.07.2017	16	-	Regular	No	-	14.05.2019
14.	Dr. T Naveen Reddy	AYNP T2486 Q	Ph.D	23.06.2017	Chemistry	Associate Professor	16.08.2017	18	-		No	-	15.05.2019
15.	Ms.P Sophia Lawrance	BDPP P6163 A	MA	04.04.2008	English	Assistant Professor	20.08.2018	18	-	Regular	Yes	-	-
16.	Dr. N Sathyan	APDP S414 4R	Ph.D	20.06.1997	Physics	Professor	27.08.2018	16	-	Regular	No	-	14.05.2019
17.	Mr. Nilakanta Shetkar	ENJP S032 9Q	M. Sc	01.06.2014	Maths	Assistant Professor	18.09.2018	18	-	Regular	No	-	17.06.2019
18	Ms.A Mahalakshmi	AKTP A115 7H	M .Sc	04.04.2005	MGMT/H &S	Assistant Professor	19.01.2015	0	-	Regular	No	-	17.04.2019
19	Humera Nafees	BAHP N911 3M	MA	01.06.2010	English	Assistant Professor	26.10.2015	0		Regular	No	-	04.07.2019
20	K Thangamani	CSEP K559 5C	M.Tech	12.11.2016	Geo Technical engineering	Assistant Professor	08.12.2016	18	-	Regular	Yes	-	-
21	Khamruddin Syed	BMFP S582 4N	M.Tech	21.08.2006	Electrical Power System	Associate Professor	23.05.2011	18	-	Regular	Yes	-	-
22	K Kalpana	CGFP K879 7M	M.Tech	11.11.2014	Machine Designing	Assistant Professor	30.06.2016	18	-	Regular	Yes	-	-
23	Deepika Ainapur	ASAP A312 7C	M.Tech	17.09.2014	Digital Electronics	Assistant Professor	18.09.2014	18	-	Regular	Yes	-	-
24	Angotu Saida	DWU PS86 91J	M.Tech	28.01.2011	Electronics & Communication Engineering	Assistant Professor	01.07.2013	0	-	Regular	Yes	-	-
25	Md Asif	BZJP A257 5D	M.Tech	10.01.2012	Embedded Systems	Assistant Professor	01.06.2017	0	-	Regular	Yes	-	-
26	Mahesh Reddy	AMCP R944 2F	M.Tech	30.06.2012	Thermal Power	Associate Professor	15.12.2017	18	-	Regular	Yes	-	-

					Engineering								
27	RAYAPUDI HIMA SAGARIKA	AIPPH 2353 A	M.Tech	31.12.2014	CSE	Assistant Professor	08-02-2017	13		Regular	Yes	-	
28	ASHWINI	BARPG034 OP	M.Tech	07.10.2015	SOFTWARE ENGINEERING	Assistant Professor	08-02-2017	11		Regular	Yes	-	
29	Raghu Kumar Lingamallu	AFQPL1899 D	M.Tech	17.12.2009	IP	Associate Professor	06.12.2016	16	-	Regular	Yes	-	-
30	Y Venkat Rao	AILPV0325 N	M.Tech	16.01.2014	CSE	Assistant Professor	17.06.2011	12	-	Regular	Yes	-	-
31	S Sathish	EJQPS148 9N	M.Tech	21.11.2014	Thermal Engineering	Assistant Professor	06.06.2017	18	-	Regular	Yes	-	-

**List of Faculty
A.Y. 2017-18**

S.No.	Name	PAN No.	Qualification	Date of airing highest degree	Area of Specialization	Designation	Date of Joining	Teaching Load	Date on which Designated as Professor or Associate Professor	Nature of Association (Regular/Contract / Adjunct)	Currently Associated (Y/N)	If contractual mention on Full time or Part time	Date of Leaving (In case Currently Associated is "No")
1.	Mr.Golla Narsimhulu	AJJPN6103B	M.Sc	20.06.2008	Maths	Associate Professor	01.07.2009	18	-	Regular	Yes	-	-
2.	Ms.P Aruna	APHPC3232L	MA	15.04.1997	H&S/MB A	Assistant Professor	28.6.2017	18	-	Regular	Yes	-	-
3.	Mr.P Paramananda Rao	CUWPP5890F	MBA	25.07.2015	H&S/MB A	Assistant Professor	30.01.2017	18	-	Regular	Yes	-	-
4.	Mr.Dumsa Mallesham	CZIPM4630H	MBA	07.08.2014	H&S/MB A	Assistant Professor	24.08.2017	18	-	Regular	Yes	-	-
5.	Mr.M Amarnath	AYBPM8946Q	M. Sc	01.05.2005	Maths	Assistant Professor	05.07.2012	18	-	Regular	No	-	15.05.2019
6.	Dr. Venkanna Rapolu	BUQPR1917N	Ph.D	01.06.2016	Chemistry	Associate Professor	03.09.2017	18	-	Regular	No	-	14.05.2019

7.	Ms.Alajangi Revati	AZAPA9081A	M. Sc	1.04.2011	Chemistry	Assistant Professor	03.12.2016	16	-	Regular	No	-	14.05.2019
8.	Dr. Ananthaiah J	AIMPJ8476F	Ph.D	11.05.2015	Physics	Associate Professor	05.12.2016	24	-	Regular	Yes	-	-
9.	Ms. M Madhavi	DNQPM1823P	M. Sc	01.05.2016	Physics	Assistant Professor	29.06.2017	18	-	Regular	No	-	14.05.2019
10.	Ms. P Madhavi	BRIPM9828C	MA	20.07.1987	English	Associate Professor	17.07.2017	18	-	Regular	No	-	14.05.2019
11.	Dr. T Naveen Reddy	AYNPT2486Q	Ph.D	23.06.2017	Chemistry	Associate Professor	16.08.2017	24	-	Regular	No	-	15.05.2019
12.	Dr. N Sathyan	APDPS4144R	Ph.D	20.06.1997	Physics	Professor	27.08.2018	18	-	Regular	No	-	14.05.2019
13.	Mr. Nilakanta Shetkar	ENJPS0329Q	M. Sc	01.06.2014	Maths	Assistant Professor	18.09.2018	18	-	Regular	No	-	17.06.2019
14.	Mr. G A Bhaskar	AXMPG1384N	MA	01.04.2002	English	Assistant Professor	01.10.2011	24	-	Regular	No	-	30.04.2018
15.	Ms.A Mahalakshmi	AKTPA1157H	M .Sc	01.04.2005	MGMT/H&S	Assistant Professor	19.01.2015	18	-	Regular	No	-	17.04.2018
16.	Mr.Amatul Baseer Sazia	AMFPA1877N	M .Sc	20.09.2008	MGMT/H&S	Assistant Professor	04.03.2016	24	-	Regular	No	-	19.05.2018
17.	Mr.Gaurav Singh	AMFPA1877N	M .Sc	20.06.2008	Chemistry	Assistant Professor	16.06.2016	18	-	Regular	No	-	13.04.2018
18	Dr. C Mallikarjuna Reddy	CHIPS6274F	Ph. D	10.10.2011	Maths	Associate Professor	01.12.2016	18	-	Regular	No	-	30.03.2018
19	Ms.M Srilakshmi	AMTPM9715H	M .Sc	01.04.2016	Physics	Assistant Professor	26.07.2017	24	-	Regular	No	-	15.08.2019
20	Dr. Mohd Ahmed	DWUPM2114N	Ph.D	02.04.2013	Maths	Associate Professor	30.08.2017	18	-	Regular	No	-	06.06.2018
21	Mr.Gopi Nalla	BBEPM7364K	M .Sc	02.04.2007	Physics	Assistant Professor	03.01.2018	24	-	Regular	No	-	07.04.2018
22	Dr. Ayyappa Bathinapattala	AOQPN9486B	Ph.D	25.03.2015	Physics	Associate Professor	03.01.2018	18	-	Regular	No	-	03.04.2018
23	Ms.N Lalitha Kumari	APNPD9453N	MA	02.04.2007	English	Assistant Professor	08.07.2017	18	-	Regular	No	-	29.03.2018

24	Ms.Noorjahan	ANCPJ6897P	MSC	15.05.2006	Maths	Assistant Professor	20.07.2017	18		Regular	No		10.04.2018
25	K Thangamani	CSEPK5595C	M.Tech	12.11.2016	Geotechnical engineering	Assistant Professor	08.12.2016	24	-	Regular	Yes	-	-
26	Khamruddin Syed	BMFPS5824N	M.Tech	21.08.2006	Electrical Power System	Associate Professor	23.05.2011	18	-	Regular	Yes	-	-
27	K Kalpana	CGFPK8797M	M.Tech	11.11.2014	Machine Designing	Assistant Professor	30.06.2016	18	-	Regular	Yes	-	-
28	Deepika Ainapur	ASAPA3127C	M.Tech	17.09.2014	Digital Electronics	Assistant Professor	18.09.2014	00	-	Regular	Yes	-	-
29	Angotu Saida	DWUPS8691J	M.Tech	28.01.2011	Electronics & Communication Engineering	Assistant Professor	01.07.2013	0	-	Regular	Yes	-	-
30	Md Asif	BZJPA2575D	M.Tech	10.01.2012	Embedded Systems	Assistant Professor	01.06.2017	0	-	Regular	Yes	-	-
31	Mahesh Reddy	AMCPR9442F	M.Tech	30.06.2012	Thermal Power Engineering	Associate Professor	15.12.2017	18	-	Regular	Yes	-	-
32	RAYAPUDI HIMA SAGARIKA	AIPPH2353A	M.Tech	31.12.2014	CSE	Assistant Professor	08-02-2017	118		Regular	Yes	-	
33	ASHWINI	BARPG0340P	M.Tech	07.10.2015	SOFTWARE ENGINEERING	Assistant Professor	08-02-2017	12		Regular	Yes	-	
34	Raghu Kumar Lingamallu	AFQPL1899D	M.Tech	17.12.2009	IP	Associate Professor	06.12.2016	12	-	Regular	Yes	-	-
35	Y Venkat Rao	AILPV0325N	M.Tech	16.01.2014	CSE	Assistant Professor	17.06.2011	24	-	Regular	Yes	-	-
36	S Sathish	EJQPS1489N	M.Tech	21.11.2014	Thermal Engineering	Assistant Professor	06.06.2017	18	-	Regular	Yes	-	-

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)	120	8	15	5
2018-19(CAYm1)	120	7	17	5
2019-20(CAY)	120	6	20	5
Average	120	7	17	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 Faculty with Postgraduate Qualification)	RF (Number Of Faculty Members required as per SFR of 20:1	Assessment Of Faculty Qualification [(5x + 3y) / RF]
2017-18	3	21	6	13
2018-19	6	22	6	16
2019-20	4	20	6	13

8.3. First Year Academic Performance

Academic Performance	2019-20	2018-19	2017-18
Mean of CGPA or mean percentage of all successful students(X)	5.24	5.58	5.56
Total Number of successful students(Y)	119.00	100.00	99.00
Total Number of students appeared in the examination(Z)	119.00	109.00	107.00
API [X*(Y/Z)]	5.24	5.11	5.15

8.4 Attainment of Course Outcomes of first year courses

8.4.1 Describe the assessment processes used to gather the data upon which the evaluation of Course Outcomes of first year is done

Assessment Process:

Assessment of Course Outcomes is based upon the performance in each semester in

- I. Direct Assessment
- II. Indirect Assessment

Direct Assessment

1. Continuous Internal Assessment (CIA)
2. Term End Examination conducted by the University (TEE)

Type of Course	Internal Marks (CIA)	External Marks (SEE)	Total marks	Net CO attainment level as per weightage
Theory	Descriptive (10 Marks)	75	100	$0.3 \times \text{CIA} + 0.7 \times \text{TEE}$
	Objective (10 Marks)			
	Assignment (5 Marks)			
Laboratory	Day to Day Evolution (15 Marks)	50	75	$0.3 \times \text{CIA} + 0.7 \times \text{TEE}$
	Internal Exam			
	(10 Marks)			
Project	50	150	200	$0.3 \times \text{CIA} + 0.7 \times \text{TEE}$

Note: The attainment level is determined as given in table, as per the ratio of students scoring the marks both in CIA and SEE

Level - 1: 38% of students scoring 40% of Marks

Level - 2: 48% of students scoring 40% of Marks

Level- 3: 58% of students scoring 40% of Marks

Indirect Assessment:

Indirect assessment is done from the following

1. Feedback from Students
2. Program exit survey
3. Feedback from Alumni

For calculating final attainment 75% from direct and 25% from indirect assessment

Attainment = $0.75 \times \text{direct assessment} + 0.25 \times \text{indirect assessment}$

8.4.2 Record the attainment of Course Outcomes of all first year courses

A. Y: 2017-18

Course Code	Course Name	Internal Attainment level (I)	External Attainment level (E)	overall attainment ($0.3 \times \text{I} + 0.7 \times \text{E}$)
-------------	-------------	-------------------------------	-------------------------------	--

C101	Mathematics-I	3	3	3
C102	Engineering Chemistry	3	3	3
C103	Engineering Physics-1	3	3	3
C104	Professional Communication in English	3	3	3
C105	Engineering Mechanics	3	3	3
C106	Basic Electrical and Electronics Engineering	3	3	3
C107	English Language Communication Skills LAB	3	3	3
C108	Engineering Workshop LAB	3	3	3
C109	Engineering Physics-II	3	3	3
C110	Mathematics-II	3	3	3
C111	Mathematics-III	3	3	3
C112	Computer Programming in C	3	3	3
C113	Engineering Graphics	3	3	3
C114	Engineering Chemistry LAB	3	3	3
C115	Engineering Physics LAB	3	3	3
C116	Computer Programming in C LAB	3	3	3

8.5. Attainment of Program Outcomes from first year courses

8.5.1 Indicate results of evaluation of each relevant PO and/ or PSO, if applicable

First year POs Attainment: A.Y. 2017-18

CODE	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C101	1.70	1.063	1.29	0.839								0.63
C102	1.52	0.57	0.39	0.58	0.193	0.19					0.38	0.38
C103	1.81	0.46	0.21				0.58				0.673	0.67
C104	0.68			0.57	2.27	0.68	1.36	2.719	0.906	2.719	2.266	
C105	1.99	1.32		0.22			0.223		0.661		0.66	0.66

C106	1.71	1.18	0.20	0.576			0.393	0.203	0.203		0.362	0.271
C107	0.75			0.75	2.50	0.75	1.50	3.00	1.00	3.00	2.50	
C108	1.99	0.75	0.50		0.50	0.99	0.99	0.25	0.99		0.50	1.99
C109	1.78	0.22										0.89
C110	0.98	0.99	0.82	1.00								0.33
C111	1.34	1.34	1.11	1.34								0.22
C112	2.14	0.19		0.80								
C113	1.01	0.17	0.16	0.17	0.33						0.16	0.16
C114	1.75	1.50	1.25		1.00							0.25
C115	2.50	1.00	0.75		1.25							0.25
C116	3.00	0.50	1.00		2.25						0.50	0.50

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Direct Attainment	1.67	0.80	0.70	0.68	1.29	0.65	0.84	1.54	0.75	2.86	0.89	0.55
CO Attainment	1.25	0.60	0.52	0.51	0.96	0.49	0.63	1.16	0.56	2.14	0.67	0.42

PSOs Attainment:

Course	PSO1	PSO2	PSO3
C101	1.28	0.86	0.42
C102	1.34	0.38	-
C103	0.43	0.48	-
C104	0.23	0.45	2.49
C105	-	-	0.88
C106	0.33	0.18	-
C107	0.25	0.50	2.75
C108	-	1.99	-
C109	0.44	-	-
C110	1.00	0.91	0.32
C111	1.11	0.89	0.45
C112	0.19	0.19	-
C113	0.17	0.17	-

C114	-	-	-
C115	0.25	-	-
C116	0.50	-	-

PSO Attainment Level

Course	PSO1	PSO2	PSO3
Direct Attainment	0.58	0.64	1.22
CO Attainment	0.43	0.48	0.91

8.5.2 Actions taken based on the results of evaluation of relevant POs

PO Attainment Levels and Actions for Improvement – A.Y 2017-18

POs	Target Level	Attainment Level	Observations
PO 1	1.88	1.67	Target Level is attained
Students need to apply the knowledge of mathematics, science, engineering fundamentals and specialization electronics & communication engineering to solve complex engineering problems.			
PO 2	0.92	0.8	Target Level is attained
Students are required to identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural science and engineering sciences.			
PO 3	0.79	0.7	Target Level is attained
Conducted program on psycho motor skills on developing prototypes through project based assignments to design solutions for complex engineering problems and design system components.			
PO 4	0.89	0.68	Target Level is attained
Students have to 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. To attain the target more industrial visit have been planned.			
PO 5	1.34	1.29	Target Level is attained
Students are being exposed to modern tools and certification level courses with the support of Industry, so that the students can predict and model the engineering activities.			
PO 6	0.68	0.65	Target Level is attained
Action 1: Regularly visited villages around 'KGR CET Outreach' club and interact to identify social/community problems. Action 2: NSS organized medical camps on health, sanitation and community living. So, the students could realize their responsibilities relevant to the professional engineering practice.			

PO 7	0.92	0.84	Target Level is attained
Undertaken projects of societal context like water harvesting, non-conventional energy generation and waste management have been tried out in the college campus for sustainable development and deploy for community service.			

PO 8	1.63	1.54	Target Level is attained
Campus Recruitment Training and training for competitive examinations are conducted to help students prepare for aspirations after the college. Counselling support is also provided to students to help them select the right post graduate programs.			

PO 9	0.80	0.75	Target Level is attained
Students need to function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings. To achieve this more CLP classes are conducted for the students.			

PO 10	3	2.86	Target Level is attained
Students could communicate effectively on complex engineering activities with the engineering community by participating in co-curricular activities.			

PO 11	0.96	0.89	Target Level is attained
Students have been guided to choose the project and execute as an assignment. In this process they learn the skills of team management both as a team leader and team member.			

PO 12	0.63	0.55	Target Level is attained
Action 1: Encourage students to be a member of professional society and take active part at students forum. Action 2: Students are taught the fundamentals in a clear manner. So that they can apply this knowledge for their life-long learning.			

PSOs Attainment Levels and Actions for Improvement – A.Y 2017-18

PSOs	Target Level	Attainment Level	Observation
-------------	---------------------	-------------------------	--------------------

PSO 1	0.73	0.58	Target Level is attained
Training programs are conducted to focus on helping students solve technology-based problems.			

PSO 2	0.74	0.64	Target Level is attained
Conducted collaborative learning practices (CLP) as a part of student-centered activity to communicate effectively and collaborate in teams. Students are also encouraged to participate in co - curricular and extracurricular activities.			

PSO 3	1.33	1.22	Target Level is attained
learning through post-graduation and professional development			

9.1. Mentoring system to help at individual level (5)

Type of mentoring: Professional guidance / career advancement / course work specific / laboratory specific / all-round development.

I. Details of mentoring system:

- An effective Student mentoring system has been implemented in institute.
- Each staff is allocated with 15 students under the mentoring system.
- Each student is allotted with a faculty mentor, and each mentor maintains a mentoring sheets.
- Faculties will have a meeting with the student's periodical, their academic progress and all activities are discussed and noted in the sheet. Discrepancies in the student behavior like attendance, etc will be questioned and will be counseled with care.
- Staff will be submitting the mentoring sheets to IQAC. The IQAC will scrutinize case by case and suggest corrective measures. If necessary the IQAC will have discussions with the Parents.
- All student mentors encourage the student's participation, apart from curricular guidance in co-curricular, extra-curricular and other professional activities, which will motivate them, stimulate their growth into well groomed young professionals.
- Parent meetings are conducted bringing parents into the mentoring system as key stake-holders.
- A parent and/or student login is exclusively provided in the CMS sharing of pertinent information like attendance and academic performance of the student.
- Follow up sessions with the parents/faculty/counselors and mentors are regularly arranged with the students who have poor performance and attendance to enable them to improve their attendance and performance.

S.N.	Type of mentoring system	Functions
1	Academics	<p>Information sharing: Share information of academic schedules and e-learning resources to enhance their knowledge database.</p> <p>Academic Counseling: Identify students with less attendance and ensure that they improve their attendance by getting counseled in the presence of mentor and HOD.</p> <p>Support to the poor performers: Focus on academically weak students, by providing them with additional reading materials, model questions along with solutions and special classes.</p> <p>Laboratory manual: Providing laboratory manual based on the experiments of the course to make students understand and know about the different laboratory experiments.</p> <p>PPT Explanation: Students are given with PPT explanation before the commencement of the each experiment to make them understand the</p>

		<p>principle of the experiment and the working procedure of the instruments / Experiments.</p> <p>Experiment demonstration: Faculty gives demonstration on the experiments to enhance their hands on skills to achieve the results.</p>
2	Placement	<p>Skill Enhancement for better employ-ability: Support their learning and enhance their laboratory and research skills through attending technical workshops, hands on training program and student symposiums.</p> <p>Industry based training is offered to selected student so as to enhance their chances of employ ability.</p> <p>Industry oriented VIII SEM projects: Projects are designed based on the needs of industry live projects to give the real time experience to the students to not only understand the expectations of the industry but also making them familiar with the working nature of the industry and molding them industry ready.</p> <p>Training & Placement Cell guidance: Provide Career Guidance and other training apart from arranging campus recruitment drives by the training & placement cell.</p> <p>Value added training programme: Students had undergone various training programme to enhance their placement opportunities.</p>
3	Extracurricular activities	<p>Encourage and support students towards all round development through participation in cultural and sports activities which helps to develop leadership qualities, decision making abilities, team spirit, and shapes the student into an intellectually integrated person.</p>
4	Personality development	<p>MOOCs: Motivate and support the students to take up online certification courses to strengthen and build up their qualifications for their Academic progression and to achieve higher career paths in the applied areas.</p> <p>Professional bodies registration: To create awareness and to enhance the knowledge about the various activities and research, students are encouraged and guided to take up registration in the professional bodies. Students are having professional bodies membership of IETE, IEEE, CSI, and SAE.</p> <p>Publication in journals/Patents: Persuade them to upgrade their domain knowledge through active perusing and encouraged them to publish review, research articles and filing Patents.</p> <p>Enhancing the Research Ideas: Encourage students to develop and discuss their ideas as a poster and oral presentations.</p>

Efficacy of mentoring/counseling system: The mentoring system developed by the college has proved to be effective as defined by different parameters:

- **Student's Attendance:** Enhanced / improved.
- **Involvement of students in academics, co curricular and extracurricular activities:** Improved Individual student's talents/skills identified and nurtured towards excellence.
- **Student's self confidence:** Improved over the time, thus developing perseverance and ability to cope better in external professional environment and successfully tackling the external challenges.

1. Mentoring system to help at individual level

Type of Mentoring	Number of faculty Mentor			Number of students mentor	Frequency of meeting per semester
	2019-2020	2018-2019	2017-2018		
Professional guidance	107	128	87	15	Every 15 days
Career advancement	107	128	87	15	Every 15 days
Course work specific	107	128	87	15	Every 15 days
Lab specific	107	128	87	15	Every 15 days
Total development	107	128	87	15	Every 15 days

9.2 Feedback analysis and Rewards and Corrective Measures taken, if any

Feedback collected for all courses: **YES**

Specify the feedback collection process: **Through Google forms**

Average Percentage of students who participate: **Around 85%**

Feedback analysis and reward / corrective measures taken Feedback collection process for all courses: **YES**

- a. Feedback collection process.
- b. Feedback assessment process.
- c. System of reward / corrective measures.

a. Feedback collection process:

The institution initiated a feedback mechanism that gauges the capabilities of the faculty members and for consistent improvement and upgrading their skills. In this process Google Feedback Forms were created and mailed to all the students. They would give their feedback and submit.

Feedback Form Format

(Note: Students should read each point carefully and award points as per the scale given below against each item.)

The Scale is 1-5 i.e.

Excellent -5 Very Good-4 Good-3 Satisfactory-2 not satisfactory-1

	Subject	Subject 1	Subject 2	Subject 3	Subject 4	Subject 5	Subject 6
	Faculty Name	Faculty 1	Faculty 2	Faculty 3	Faculty4	Faculty5	Faculty 6
Learning							
1	I have found the course intellectually challenging and stimulating						
2	My interest in the subject has increased because of this course						
3	I believe I have attained the learning outcomes of the course						
4	The laboratory work/assignments helped me attain the learning outcomes of the course						
5	The course notes and text book helped me attain the learning outcomes						

Enthusiasm							
6	Faculty spoke clearly and was enthusiastic about teaching the course						
7	Faculty presentations held my interest during class						
8	Faculty encouraged questions in the class						
9	Faculty support critical thinking and independent learning						
10	Faculty explained and helped in solving the tutorial questions						
11	Faculty asks questions that tap higher level thinking						
12	Faculty recognized which students did not understand and reviewed as needed						
Organization							
13	Faculty gave lectures which facilitated taking notes						
14	Faculty explanations were clear						
15	Faculty materials were well prepared						

	and carefully explained						
16	Faculty was available for help during his/her office hours						
17	Faculty started and ended their lectures / tutorial on time						
Group Interaction							
18	Students were encouraged to participate in class discussions						
19	Students were encouraged to share their ideas and knowledge with others						
20	Students encouraged to work in groups						
Individual Rapport							
21	Faculty handled student discipline fairly						
22	Faculty had a sincere interest in individual students						
23	Faculty appeared to be genuinely concerned about students and their success in class						
Extensiveness							
24	Faculty covered all the course syllabus in the time						

	available						
25	Faculty discussed all the objectives and learning outcomes and what expected from students at the start of the course						
26	Faculty adequately discussed current developments in the field						
Examinations							
27	Examinations papers were clearly written, and tested course content as stressed by the Faculty						
28	Methods of evaluating student work were fair and appropriate						
29	Feedback on examinations/tests was timely and valuable						
Assignments							
30	Assignments and quizzes were adequate and contributed to appreciation and understanding of subjects						
31	Types of assignments were formative and further enhanced the learning outcomes of the						

	course						
Overall							
32	As an overall rating, I would say I am very satisfied with the Faculty						
33	If any additional suggestions / comments						

b. Feedback assessment process:

The feedback will be taken on eight parameters: **Learning, Enthusiasm, Organization, Group Interaction, Individual Rapport, Extensiveness, Examinations, Assignments**, and rated on a scale of 1 to 5. Based on the points that each faculty gets, grades will be decided. The following table shows how each faculty is graded.

	Grade	A++	A+	A	B+	B	C+	C
	Grade Points	4.51	4.26	4.01	3.76	3.51	3.26	3.01
	Grade Point Range	>4.51	≥ 4.26 & < 4.51	≥ 4.01 & < 4.26	≥ 3.76 & < 4.01	≥ 3.51 & < 3.76	≥ 3.26 & < 3.51	≥ 3.01 & < 3.26
	* Minimum Eligibility Criteria is average of Learning, Enthusiasm, Organization should be 3.26							

Later the principal and the head of the department interact with the faculty individually and discuss the weak areas of the faculty members and how to improve their performance further. The faculty assures them with their action plan for the next feedback.

Corrective measures:

- Explanation from the faculty will be demanded for the inappropriate result and subsequent action will be processed.
- Faculties are asked to submit the action plan to improve the learning process if feedback is poor.
- Counseling will be given to the concerned faculty by HOD and Principal.
- Promoting and encouraging faculty to attend the faculty development programs (FDP) related to effective teaching methodologies.

Details of reward / corrective measures taken

Awards / rewards/ corrective actions	No. of corrective actions / awards / rewards in last 3 years		
	2019-2020	2018-2019	2017-18
No of faculty counseled for below average performance	34	33	

9.3. Feedback on facilities (5)

Assessment is based on student feedback collection, analysis and corrective action taken.

For improving the quality of facilities, standard procedure for feedback on facilities is taken up by administrative officer as per the following steps.

- ✓ Feedback is collected from the students on the facilities available in the college such as class room, infrastructure, library, labs, canteen, playground, internet facility.
- ✓ The feedback is analyzed and the necessary corrective measures are implemented after discussions with the management.

ANALYSIS OF STUDENT FEEDBACK ON FACILITIES**ACADEMIC YEAR 2019-20****The no. of Students Participated in Feedback Collection:**

The Scale is: 1-5 i.e.

Excellent-5 Very Good-4 Good-3 Satisfactory-2 Not Satisfactory-1

S.No	Statement	No. of Student's Feedback				
		5	4	3	2	1
1	The prescribed books/reading materials are available in the library					
2	Results and attendance records are displayed on time					
3	The campus has adequate power Supply					
4	The classrooms are clean and well Maintained					

5	Equipment in the lab are in working condition					
6	The functioning of the placement cell is satisfactory					
7	Grievances/problems are redressed/solved well in time					
8	Available reading space in Library/seminar is satisfactory.					
9	The campus is green and eco-friendly					
10	Clean drinking water is available in the department and on the campus.					
11	Toilets/washrooms are hygienic and properly maintained					
12	The office staff are helpful					
13	Internet facilities is available in the Department					
14	The library/seminar staffs are Cooperative and helpful.					
	Total Feedback					
	Over all Feedback Assessment					
	Over all Feedback Percentage %					

9.4. Self – Learning (5) (The institution needs to specify the facilities, materials and scope for self – learning / learning beyond syllabus, webinars, podcast, MOOCs etc., and evaluate their effectiveness)

Self–Learning Self-Learning method is an individualized method of learning collecting information, processing it, and retaining it without the needs for another individual to teach it.

I. Scope of Self – Learning

➤ Library.

- Digital library (centralized in college) for Literature Database i.e. Science Director/Pubmed central/Scirus/Medminer.
- Departmental library.
- Web based learning i.e. MOOCs (Nptel, Swayam, Coursera, Udemi, Edx), YouTube, Nat Geo etc (independently by students).
- National Digital Library.
- Professional bodies.
- Club activities.
- Assignments.
- Seminars, workshops, Symposiums and Exhibitions.
- Industrial visits.

II. Detailed list of Self – Learning facilities:

Self – Learning facilities	Description
Library	<p>The college library provides information and ideas that are fundamental to functioning successfully in today's information and knowledge based society.</p> <p>The institution has automated the library by using NEWGEN LIB 3.1.3 software for smooth functioning of library activities.</p> <p>Number of Volumes available 22748, Bound Volumes of Journals 399 Number of E-Books 3501.</p>

Digital Library	<p>Faculty and students are able to access the below services in the library:</p> <ul style="list-style-type: none"> ➤ Reference Service. ➤ Reprographic Service (Xerox and Printing). ➤ Quick Mail Service. ➤ Book Bank Service. ➤ Digital Library Services. ➤ Current Contents Service/journals. ➤ Current Awareness Services/newspaper. ➤ OPAC (Online Public Access to Cataloguing for Book Search) Service. ➤ Previous Question Papers Access. ➤ E-Book Services. ➤ E-Journal Services.
Departmental Library	<p>The department is facilitated with books for UG and PPTs; videos are also stored in the department database. Availability of course material (Course File).</p>
Web based learning	<p>Enrollment in MOOCs: Students are registered in NPTEL, SWAYAM, and Spoken Tutorial to improve their academic performance.</p> <p>Virtual Classes: The institution conducts unsupervised classes in which learning is characterized by readymade learning material without instructor.</p> <p>DELNET, NDL, video lectures are web based learning tools.</p>
Professional bodies / other association	<p>Professional association offers valuable information and resources for student's career enhancement.</p> <p>Students have Professional bodies' membership of IETE, IEEE, CSI, and SAE.</p>
Club Activities	<p>IOT Maker Space: It is a great initiative of Telangana Academy for Skill and Knowledge (TASK) and Hyderabad Software Enterprises Association (HYSEA) promoted to all engineering colleges with an objective of looking into overall development of a student in terms of technical skills, presentation skills, innovative thinking, developing prototypes, and to get them ready as future entrepreneurs.</p> <p>Block chain: It is a distributed, decentralized, public ledger.</p>

	<p>Rotaract: Provide an opportunity for young men and women to enhance the knowledge and skills that will assist them in personal development.</p> <p>Data Science - Artificial Intelligence Club: Club helps students from a variety of backgrounds develop a practical understanding of computational intelligence (AI) and work together to apply programming techniques to games, robotics.</p> <p>E-Yantra: E-Yantra Lab Setup Initiative (ELSI) is a college level program under which colleges are encouraged to setup robotics labs.</p> <p>National Service Scheme: NSS program in KG Reddy College of Engineering and Technology is to create Personality Development through Community Service.</p> <p>Unnat Bharat Abhiyan: UBA started with the initiative of a group of dedicated faculty members of Indian Institute of Technology (IIT) Delhi working for long in the area of rural development and appropriate technology.</p> <p>Lions Club: Club Programs include sight conservation, hearing & speech conservation, diabetes awareness, youth outreach, international relations, environmental issues & many other programs.</p> <p>Cultural club (SWD): Different cultural activities like music, dance, dramatic and photography are organized are institute under this club.</p>
Assignments	<p>Project Based Learning (PBL): Other than curriculum, the institute encourages the students to gain practical exposure towards the solving real time problems. All II, III, and IV year students are asked to carry out one project-based assignment every semester which is aligned to the different courses taught in the semester. Students are provided with open-ended problem statements and asked to design and build a solution prototype to address the problem.</p>
Seminars, workshops, Symposiums and Exhibitions	<p>Institution's Innovation Council (IIC): IIC Encourage, Inspire and Nurture Young Students by Exposing them to New Ideas and Process of Resulting in Innovative Activities & Entrepreneurial in their Formative Years.</p> <p>Entrepreneurship Development Cell (EDC): The Aim of promoting Entrepreneurship Development Cell (EDC) at KG Reddy College of Engineering and Technology (KGR CET) is to nurture a passion for self employment.</p> <p>Institute conducted more than 75 Seminars, and workshops, in last 3 years.</p>

Industrial visits	Industrial Visit ELICO, Industry visit to T-Hub, Industry Visit to Idea Labs, Industrial visit to Rub Site Work south central Railway, Industrial visit to BHEL are some names of industries visited by students. Institute organized 77 Industrial visits, in last 3 years.
--------------------------	---

9.5. Career guidance, Training, Placement (10)

I. The following are the programs are organizing by the placement cell to enhance the Employ-ability & Employment skills for the students.

1. E-learning System (GEMS) to develop communication skills and aptitude.
2. Guest Lectures.
3. Workshops.
4. Value Added Programmes.
5. Seminars.
6. Industrial Visits.
7. Soft skills Training.
8. Aptitude Training.
9. Personality Development Programs.
10. Mock Interviews.
11. Recruitment Drives.
12. Higher Education Counseling.
13. Entrepreneur Development Programs.

II. Career counseling for higher studies Career guidance and motivational lectures by Alumni, entrepreneurs, External guests and faculty are organized frequently in the Institute.

- The placement cell organizes seminars on higher studies and conduct aptitude training sessions, Gate coaching sessions.
- Foundation course for Civil Services is offered for interested students appearing for Civil Services.
- Many books and periodicals are available in the library for the students.

III. Pre-Placement Training:

- Aptitude Development training sessions are conducted for all programmes of UG.
- Soft skills development sessions are scheduled for all UG programmes.

CRT Syllabus for ECE & CSE

ACADEMIC YEAR 2019-20

1. C Basics

- a. History of C
- b. Characteristics of C
- c. C Program Structure
- d. Variables

- i. Defining Global Variables
 - ii. Printing Out and Inputting Variables
- e. Constants
- f. Arithmetic Operations
- g. Comparison Operators
- h. Logical Operators
- i. Tokens
- j. Data types
- k. Control String
- l. Exercises

2. Conditionals

- a. The if statement
- b. The ? operator
- c. The switch statement
- d. Exercises

3. Looping and Iteration

- a. The for statement
- b. The while statement
- c. The do-while statement
- d. break and continue
- e. Exercises

4. Arrays and Strings

- a. Single and Multi-dimensional Arrays
- b. Strings
- c. Exercises

5. Functions

- a. Void functions
- b. Functions and Arrays
- c. Function Prototyping
- d. Exercises

6. Further Data Types

- a. Structures
 - i. Defining New Data Types
- b. Unions

- c. Coercion or Type-Casting
- d. Enumerated Types
- e. Static Variables
- f. Exercises

7. Pointers

- a. What is a Pointer?
- b. Pointer and Functions
- c. Pointers and Arrays
- d. Arrays of Pointers
- e. Multidimensional arrays and pointers
- f. Static Initialization of Pointer Arrays
- g. Pointers and Structures
- h. Common Pointer Pitfalls
 - i. Not assigning a pointer to memory address before using it
 - ii. Illegal indirection
- i. Exercise

8. Dynamic Memory Allocation and Dynamic Structures

- a. Malloc, Sizeof, and Free
- b. Calloc and Realloc
- c. Linked Lists
- d. Full Program: queue.c
- e. Exercises

9. Advanced Pointer Topics

- a. Pointers to Pointers
- b. Command line input
- c. Pointers to a Function
- d. Exercises

10. Low Level Operators and Bit Fields

- a. Bitwise Operators
- b. Bit Fields
 - i. Bit Fields: Practical Example
 - ii. A note of caution: Portability
- c. Exercise

11. The C Preprocessor

- a. #define
- b. #undef
- c. #include
- d. #if -- Conditional inclusion
- e. Preprocessor Compiler Control
- f. Other Preprocessor Commands
- g. Exercises

IV. Procedure for campus Recruitment

Campus recruitment for final year students starts from November onwards every year. Recruitment after passing out of the campus will also be done depending on the availability of non placed students.

1. Interested recruiters are requested to mail the following details to placements@kgr.ac.in.
2. Job Profile.
3. Job Location.
4. Training Period.
5. CTC during & after Training.
6. Designation before & after Training.
7. Service agreement if any – No. of years & Bond amount if any
8. Degrees & Branches required.
9. Eligibility Criteria – Marks (X / XII/dip / Current degree/UG for PG) and Arrear Status.
10. Selection Process- Test (Online / Not)/GD/Interview.
11. Facilities required for campus recruitment.
12. Preferred dates to visit.
13. Based on the above data, students will register at Placement Centre. No. of interested students will be informed to the recruiting company.
14. Based on the no. of interested students, company can fix the venue either at college or at their office. Resumes of the interested students can also be sent to the company for short listing at their end. If the policy of the company is to conduct a pooled campus drive for colleges, we are ready to conduct here in our campus.
15. List of Selected candidates and offer letters shall be given to the Placement Officer at the end of the process. If there is any delay in announcement of results, students will be permitted to attend the next company. If the students get placement in the next company, they will not be permitted to get the offer from the previous company if get selected.

16. The recruiters are requested to give the feedback of the quality of the students at the end of the selection process and also after the training period. This will help us to improve continuously and offer better numbers than the previous year.
- 17.

V. Training & Placement team:

- a) Each department has a faculty placement coordinator for a better coordination and timely flow of information about the training and placements to the concerned.
- b) Each department (section wise) has two student coordinators (one male and one female).
- c) A training coordinator monitors the task assigned to all the department faculty coordinators and the student coordinator.

S.NO	NAME	DEPARTMENT
1	Mrs. P.Samyukutha	Advisor
2	Mr. Md.Asif	Training & Placement officer
3	Garapati Venkata Sai Prasad	Placement coordinator Civil engineering
4	Raghu Kumar Lingamall	Placement coordinator Computer science engineering
5	Mr. Midthur A.Salman Khan	Placement coordinator Mechanical engineering
6	Naveen Thiruveedhula	Placement coordinator Electrical electronics engineering
7	Mr.Ather Ali Mirza	Placement coordinator Humanities & Science
8	Mr. Vijaybhasker Reddy	Placement coordinator Master of business administration

VI. Companies Visited:

SL. NO	NAME OF THE COMPANY VISITED ON CAMPUS	DATE
1	BYJU's Learnig App	
2	TCS	
3	Deloitt	
4	AQUILA Medical Scribing Training Division	
5	Serole Info	

6	Sigaramtech	
7	Vasudhaika	
8	Everest IMS	
9	Cistron InfoTek Pvt Ltd	
10	Qspider's	
11	Hi-Fab Engineers	
12	Intellicrats	
13	Genpact	
14	KVR Rail Infra	
15	Raam Group	
16	Magnetek Enterprises	

9.6 Entrepreneurship Cell (5)

Entrepreneurship Development Cell (EDC): The Aim of promoting Entrepreneurship Development Cell (EDC) at KG Reddy College of Engineering and Technology (KGR CET) is to nurture a passion for self employment. KGR CET disseminating entrepreneurial education among the student and the staff under the mission Innovation in you, EDC organizing various skill development programmes sponsored by AICTE, DST, and MSME (Govt of India).

Institution's Innovation Council (IIC): IIC Encourage, Inspire and Nurture Young Students by exposing them to New Ideas and Process of Resulting in Innovative Activities & Entrepreneurial in their Formative Years.

I) Entrepreneurship Initiatives

- To create entrepreneurial culture in KGR CET and with other institutions in this region.
- To facilitate budding entrepreneurs by providing information on entrepreneurial opportunities.
- To conduct programs in Entrepreneurship enabling skills like product development, Market Survey, Preparation of Project Reports and Assist them in getting Technical feasibility Reports.
- To generate entrepreneurship skills by industrial development training programs with updated technologies.
- To assist entrepreneurs acquire necessary managerial skills to run the industry efficiently.
- To create an environment for self-employment, promote innovation, incubation and Entrepreneurship development through formal and non-formal programs
- To introduce the concept of Entrepreneurship in curriculum at degree levels

- To utilize the infrastructure facilities and technically trained manpower for the development of non-corporate and unorganized sectors.
- To promote employment opportunities.
- Help with Regulatory Compliance
- Help with Presentation Skills and Business Etiquettes.
- Comprehensive Business Training Programs.

Composition of EDC Cell

Sl.no.	Name of the member	Position	Department
1	Dr.M.Swaroop	In charge	ME
2	Dr.Vandana	Member	ECE
3	Dr. Madhulitha	Member	H&S
4	Ms.Swathi	Member	EEE
5	Mr.Palendar	Member	ME
6	Mr.Mahantish.N.Paruthi	Member	CIVIL
7	Mrs. Divya	Member	CSE

Entrepreneurship Development cell Events

- Inaugurated Start and Improve Your Business (SIYB) in association with MSME CITD, Hyderabad on 23.12.2019.
- One Day Workshop on Entrepreneurship and Innovation as career Opportunities on 07.09.2019.
- Entrepreneurship Development and How to Raise Funds on 26.04.2019.
- One Day Workshop on Entrepreneurship Awareness and Opportunities on 12.12.2018.

Institution's Innovation Council (IIC) Events:

- Workshop on Cognitive skills, Design Thinking and Critical Thinking Project Expo Dr. Srinivasan Vathsal, Rt Director, DRDO IR/IPR, New Delhi (Offline Session) on 07-05-2019.
- Workshop on Cognitive skills, Design Thinking and Critical Thinking Chief Guests were S Vijay Venkatesh Co-Founder and Managing Director Syscon Solutions Private Limited and Prasanna Kumar Turaga Executive Director Automated Tooling System, India Private limited, Hyderabad. On 22-04-2019.
- Orientation and One day Workshop on Entrepreneurship and Innovation as Career Opportunities by Ms Sirisha Gondi on 17-09-2019.
- One Day Workshop on Problem Solving & Design Thinking on 21.09.19.
- Motivational Talk on My Story "Entrepreneur's and Innovators Life and Crossroad" by Mr. Uday Chaitanya @ KGR CET on 29.10.19

9.7. Co-curricular and Extra-curricular activities (10)

Documents to show the details of annual student's activities:

Annual activities: 2019-2020

Sl.No.	Event	Facilities	Participants	Months of conduction
1	Bonalu festival	College campus pots leaves rangoli banners sweets	All students and staff	July
2	Free eye checkup	F-201	all students and staff	september
3	Teachers day	Open auditorium,mike, projector and laptop, banners	all students and staff	september
4	Engineers day	Seminar hall mike, projector and laptop, banners	all students and staff	semtember
5	Flash mob	Basket bal court music system	students in rotract club	november
6	Bathukamma festival	Open lawn flowers, rangooli and music system	all students and staff	october
7	Rotract club orientation program	Seminar hall	all students and staff	september
8	Independence day	Open auditorium flowers,sweets,mike	all students and staff	august
9	Orientation program	Seminar hall mikes, laptop, projector	55 students	august

Annual activities: 2018-2019

Sl.No.	Event	Facilities	Participants	Months of conduction
1	Bonnalu festival	Open lawn pots,neem leaves	All staff and students	June
2	Sadhbavana Divas day	Seminar hall mike, projector	All staff and students	August
3	Teachers day	Seminar hall mike, projector	All staff and students	September
4	Engineers day	Seminar hall mike, projector	All staff and students	October
5	Gandhi jayanthi	Seminar hall mike, projector	All staff and students	October
6	Bathukamma festival	Open lawn flowers,plates,sweets,music system	All staff and students	October
7	Dusherra celebrations	Open lawn flowers,plates,sweets,music system	All staff and students	October
8	Deevali celebrations		All staff and students	October
9	7 Graduation day	Seminar hall miks, laptop, projector,academical dresses	All paased out students	July
10	Orientation program	Seminar hall miks, laptop, projector	55 students	August
11	Independence day	Open ground	All students and staff	August
12	Republic day celebration	Ground	All students and staff	January

		flowers,rangooli		
13	Freshers day	Blooms garden college buses	All I years and II years	January
14	Childrens day	Seminar hall mike, projector,sweets	All students and staff	November
15	Rangooli program	Campus rangooli,flowers	All students and staff	January
16	Sankranti sambaralu (mba)	Campus, rangooli,flowers	35 students and staff	January
17	Sankranti sambaralu	Campus rangooli,flowers	All students and staff	January
18	Arise 2k19	Campus	All students	January
19	Singing Competiton	F-203 hall mike	13 students	January
20	Essay writing competition	F-203 hall A 4 sheets and pens	10 students	January
21	Group dance competiton	F-203 hall music system	13 students	January
22	Solo dance competition	F-203 hall music system	13 students	January
23	Chess	Sports room	4 students	January
24	Caroom	Sports room	8 students	January
25	Badmintion	Sports room	4 students	January
26	Cricket	Sollage ground	30 students	January
27	Throw ball	Collage ground	18 students	January
28	Volley ball	Volley ball court	16 students	January
29	Basket ball	Basket ball court	14 students	January
30	Annual day	College ground	All students	January

	celebrations			
--	--------------	--	--	--

Annual activities:AY- 2017-2018

Sl.No.	Event	Facilities	Participants	Months of conduction
1	Freshers day celebrations	Auditorium,music system projector ,lightings, mikes	All first years	October
2	Childrens day	Seminar hall mike,projector,banners	All students	November 14
3	Republic day celebrations	College ground,mike	All students,staff principal	January 26
4	feb online chat by aicte	Seminar hall projector,laptop,mike	All III YEAR Students	March 03
5	Health problem caused by usage of mobile	Seminar hall projector,laptop,mike	All students	March 06
6	6th Graduation day	Seminar hall projector,laptop,mike,academical dress	All passed out students all hod's	August
7	ARISE 2K18(Managem ent fest)	AUDITORIUM,projector,laptop,mike	MBA students along with all engineering students,ALL faculties	March 9th & 10th
8	Awareness program on entrepreneurship	Seminar hall projector,laptop,mike	all departments II III IV year students	December 12
9	Awareness on menstrual health and hygiene & use of napkin vending and incenerator machines	Seminar hall projector,laptop,mike	all girl students	December 29
10	National youth	Auditorium,mike,banners,lamps,la	all students	January

	day	ptop,projector		
11	Bonalu festival	College ground,pots neem leaves rangoli colours	All students,staff	June
12	Independence day	College ground mike	All students,staff	August
13	Sadbavana diwas day	Seminar hall garlands,mike	All students,staff	August
14	Rakshabandan	Open auditorium rakhis, sweet	All staff and students	August
15	Teachers day	Seminar hall mike,cake,projector	All staff and students	September
16	Engineers day	Seminar hall mike,cake,projector	all staff and students	September
17	Bathukamma	Open lawn flowers, plates,rangooli, music system	All staff and students	September
18	Gandhi jayanthi	Seminar hall	All staff and students	October
19	Diwali festival	Ground	All staff and students	October
20	Sankranti festival	Rangoli,colurs,flowers	All staff and students	January
21	International womens day	Cycles for rally,banner,garlands	Girl students,staff, she teams moinabad police station	march

Achievements in Co-curricular activities: 2018-2019

Sl.No.	Name of the activity	No. of students participated		
		2019-2020	2018-2019	2017-2018
1	V.Subba reddy appointed as a intershala student partner (ISP) by internshala from		1	
2	Global Innovation and Enterprenership Programm			1
3	An Online Contest conducted by Texas Instruments India.			47
4	National Conference on Engineering Science Technologi in Industrial Applications			4
5	Java Fundamentals		50	
6	IBC HACK-2018.		6	
7	investor connect session held at E-SUMMIT HYDERABAD hosted by vardhaman college of Engineering on 21 st and 22 nd Aug,2018.		2	
8	K.V.Subba reddy appointed as a intershala student partner (ISP) by internshala from 19/9/2018 to 15/11/2018.		1	
9	2 students got rank selection for state NSS conducted at CMR college of Engineering and Technology			2
10	8 Students of ECE department have successfully completed the requirements to be recognized as a Microsoft Technology Associate.			
11	OpenGovDataHack in New Delhi	4		
12	Webinar	4		

13	National level seminar	1		
14	State level nss camp	3		
15	Golden jubilee celebration at cmr	2		
16	Telangana swimming	1		
17	Hackathol	8		
18	Cricket	1		
19	Paper Publications	14	12	10

Availability of sports facilities:

List of indoor games available in the campus.

Sl. No.	Name of the sport facility	Numbers available	Place of availability	Whether available beyond regular
1	TABLE TENNIS	4	SH-107	Yes
2	CARROM	4	SH-107	Yes
3	CHESS	6	SH-107	Yes
4	TABLE SOCCER	1	SH-107	Yes

List of outdoor games available in the campus.

Sl. No.	Name of the sport facility	Place of availability	Whether available beyond college regular timings
1	VOLLEYBALL	GROUND	Yes
2	BASKETBALL	GROUND	Yes
3	SHUTTLE COURT	GROUND	Yes
4	THROWBALL	GROUND	Yes

5	CRICKET NET	GROUND	Yes
6	CRICKET GROUND	GROUND	Yes

Achievements in sport activities:

Sl. No.	Name of the sport	No. of students participated and won		
		2019-2020	2018-2019	2017-2018
1	BADMINTON FEDERATION	1	1	1
2	KARATE	0	1	5
3	AD CREATION	0	1	0
4	CRICKET	15	11	16
5	RUNNING	0	0	1
6	Body Building	0	0	1

National Service Scheme (NSS): The main aim of conducting National Service Scheme program in KG Reddy College of Engineering and Technology is to create Personality Development through Community Service. This program is to motivate and encourage, the social welfare thoughts in the students and to provide service to the society without any prejudice. NSS volunteers are dedicated to this work to ensure that every one in our society who is needy gets the every possible help from them so that they can also enhance their standards and lead a life of dignity in the society with all of us. In doing so the volunteers themselves learn a lot like how to struggle and how to lead a happy life in the extreme scarcity of resources and so on.

NSS Committee:

S No	Name of the Member	Position	Department
1	Dr. R S Jahagirdar	Chairman	ME (Principal)
2	Mr. M Rathna Chary	Program Officer	CIVIL
3	Mr. P Ramesh	Additional Program Officer	ECE
4	Ms. Poonam Swami	Coordinator & OSD	ECE

5	Mr. B Lingam	Dept. Coordinator	EEE
6	Mr. Sharan Kumar Patil	Dept. Coordinator	ME
7	Mrs. Sophia Lawrence	Dept. Coordinator	H&S
8	Mr. Mantesh Patil	Dept. Coordinator	CSE
9	Pooja Shreni	Student Member	CSE
s10	Pranath	Student Member	ME
11	B Mahesh	Student Member	EEE

NSS Activities

2019-2020

Sl.No	Name of activity	Name of the Village	Number of students participated	Date
1	Telangana ku Haritha haram special camp	Bakaram	20	30-08-2019
2	Free eye checkup camp	KGR CET	10	16-09-2019
3	Teachers day celebration	KGR CET	32	5/9/2019
4	NSS mega Gandhian youth conclave	JNTUH	15	2/10/2019
5	Electors verification programme	OU, HYDEARABAD	14	20-09-2019
6	PADA YATRA 150 th birth anniversary of mahatma Gandhi	Moinabad PS to KGR CET	54	15-08-2019
7	Tree plantation programme	Moinabad PS road	41	20-07-2019
8	Fist full of Rice	KGR CET	28	4/11/2019
9	Pledge on tobacco free society	KGR CET	38	7/12/2019

10	Engineers Day	KGRCET	27	15-09-2019
11	NSS Orientation Day programme	KGRCET	90	14-08-2019
12	One student-one tree	Moinabad PS road	60	16-08-2019
13	NSS Golden jubilee celebrations	CMRIT	13	24-09-2019
14	Capability building & participatory training programme for nodal officers of participating institutions of UBA, Telangana	NIRD&PR	3	26-08-2019
15	A 3Day art of living programme for advancing individuals, team & organizational excellence	JNTUH	1	25-07-2019
16	Workshop on WASH Volunteerism	JNTUH	2	28-11-2019

2018-2019

s.no	Name of activity	Name of the Village	Number of students participated	Date
1	Childrens day celebration	Murthuzaguda	19	14-11-2018
2	Yogaday	KGRCET	43	19-07-2018
3	Harithaharam	KGRCET	20	21-07-2018
4	Dental screening & treatment camp	KGRCET	122	20-03-2019
5	National youth day & college level youth festival	KGRCET	42	11/1/2019
6	NSS Day celebrations	JNTUH	7	24-09-2018
7	National unity day	KGRCET	48	31-10-2018
8	Blood donation camp in KGRCET	KGRCET	154	22-01-2019
9	Road safety awareness programme	KGRCET	100	6/2/2019

10	International Yoga day	KGRCET	40	21-06-2019
11	International Yoga day	KGRCET	49	21-06-2018
12	Tree plantation programme	KGRCET	138	21-07-2018

2017-2018

sl.no	Name of activity	Name of the Village	Number of students participated	Date
1	Awareness of Yoga	KGRCET	28	21-10-2017
2	Children's Day	Chilikur village	25	14-11-2017
3	5k run on drug awareness	Necklace road	4	3/12/2017
4	A 2day workshop on electric power generation using natural resources in association with green energy technologies- industry	KGRCET	24	7/3/2018
5	Inaugural of technology based incubation centre	KGRCET	30	11/10/2017
6	Chalivendram	Moinabad PS	20	3/4/2018
7	Awareness elector program	Chilikur, kanakamamidi village, aziz nagar	46	8/1/2018
8	Essay writing on how to become responsible voter	KGRCET	26	24-01-2018
9	Awareness programme on helgth& hygienic	chilkur	32	13-12-2017
10	National youth	KGRCET	63	12/1/2108
11	Carrer guidance	KGRCET	10	9/1/2018
12	National voters day	KGRCET	73	25-01-2018
13	Awareness and campaign for enrolment of young electors	KGRCET	7	9/2/2018

14	Republic day celebrations	KGRCET	56	26-01-2018
15	Youth fest	KGRCET	7	3/2/2018
16	Special camp	chilkur	50	10/2/2018
17	Swachh Hyderabad	KGRCET	30	15-02-2018
18	Workshop on rain water harvesting	JNTUH	28	22-03-2018
19	State youth conference on " Roll of NSS in fulfilling sustainable development goals	HITM	3	22-03-2018
20	Blood Donation camp	KGRCET	161	15-02-2018
21	NSS Orientation day	KGRCET	72	20-10-2018
22	celebration of rakhi with soldiers	Golkonda army camp	50	7/6/2018

Documental Proof needed

Mentoring list ,Circular, Allocation , Action taken report, mentoring sheets , Parent teacher Interaction, research papers, Industry oriented project if any, Poster presentation if any, Remedial classes, Professional bodies ,Lab manual and presentation of experiments sample, Value added programmes, co curricular and extracurricular activities, NSS participation. Assignment Evaluation sheet, Students improved from mentoring, placement, higher study, entrepreneur,

10. GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES (120)

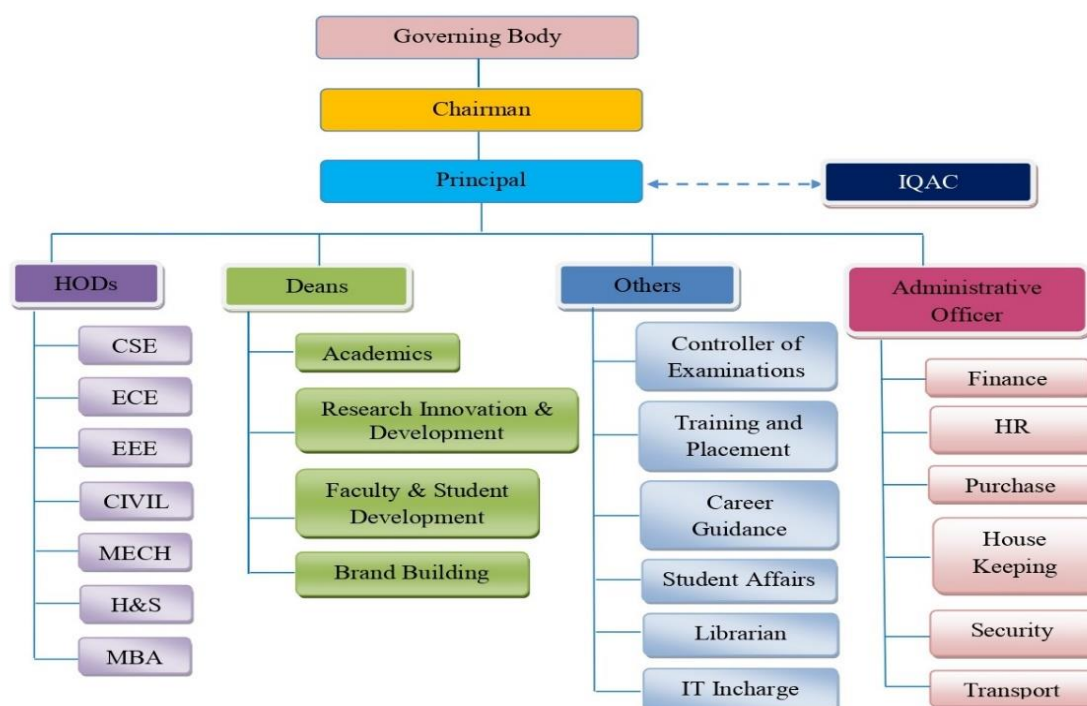
10.1 Organization, Governance and Transparency

10.1.1 State the Vision and Mission of the Institute

Vision:
To become self-sustainable institution which is recognized for its new age engineering through innovative teaching and learning culture, inculcating research and entrepreneurial ecosystem, and sustainable social impact in the community.
Mission:
<ul style="list-style-type: none">• To offer undergraduate and post-graduate programs that are supported through industry relevant curriculum and innovative teaching and learning processes that would help students build knowledge and skills for their professional careers.• To provide necessary support structures for students, this will contribute to their personal and professional growth and enable them to become leaders in their respective fields.• To provide faculty and students with an ecosystem that fosters research and development through strategic partnerships with government organizations and collaboration with industries.• To contribute to the development of the region by using our technological expertise to work with nearby communities and support them in their social and economic growth.

10.1.2 Governing body, administrative setup, functions of various bodies, service rules, procedures, recruitment and promotional policies

The organizational structure for the smooth functioning of college along with the hierarchy is illustrated in the following flowchart:



Governing Body:

The Governing Body of the institution carries responsibility for ensuring effective management of the institution and for planning its future development. The Governing Body looks after the affairs of the institution and demonstrates the primary objectives of teaching and research. It includes considering and approving the strategic plan for the institution, setting of the academic aims and objectives of the institution, and identifying the financial, physical and staffing strategies. The member of the body is dedicated eminent personalities such as educationists, philanthropists and industrialists etc. The Board of the Governors meets once in the year and takes policy decisions on financial, academic, and administrative matters for development of the institution. They render advice for starting new academic programs etc. The decisions of Board of Governing Body are to be implemented by the concerned Principal/ Director / Deans.

Recommendations and suggestions are forwarded by IQAC to the GB through the Principal. The institution has well experience Principal, Director – Strategy, Operations, and Human Resource Development, Director R&D, HODs, Training and Placement Officer and Administrative Officer for the implementation strategic plans given by the Governing Body.

Committee Members

Sl. No.	Name of the Member	Designation of the Member	Position of the Member
1	Dr. Ashok Shettar	Vice Chancellor, KLE University, Hubli	Chairman
2	Ln K Krishna Reddy	Chairman, KG Reddy College of Engineering & Technology, Hyderabad	Member
3	Dr. M. Janardhan	Prof & Coordinator, BICS, Civil Dept. Jawaharlal Nehru Technological University Hyderabad	JNTUH Nominee
4	Mr. A.V Salunkhe	Asst Director & South-Central Regional Office, JNTU Masab Tank Campus, Mahaveer Marg, Hyderabad	Ex-Office AICTE Nominee
5	Dr. S. Narsing Rao	Principal, Government polytechnic College, Masab Tank, Hyderabad	CTE Nominee
6	Mr. Rajendra Prasad	Vice President, Hammond Power Solutions, Hyderabad	Member
7	Prof. Katta Narasimha Reddy	Former VC, Mahatma University Gandhi Rural	Member
8	Dr. Sudhakar Reddy	Senior Professor, MGIT, Hyderabad	Member

9	Dr. Jacob Perez	Director, The school of Leadership, Bangalore	Member
10	Mr. Sudhir Gupta	Business Strategy & Execution Specialist, Pratham Trainers	Member
11	Dr. R S Jahagirdar	Principal, K G Reddy College of Engineering & Technology, Hyderabad	Member Secretary

The college has several committees constituted by the principal and also nominates the coordinators of the various committees with their roles and responsibilities.

At department level continuation to the above, the department level committees constituted by the respective heads monitor the activities of the departments like subject allocation, lab in-charges, time tables, discipline, internal assessment, academic performance, and the teaching learning process.

Internal Quality Assurance Cell (IQAC)

The IQAC board meets once in month to review varies academic activities undertaken and monitors the progress of varies academic programs to meet the Institutions vision and mission by taking the views of stake holders into account. The board being an advisory body formulates rules and regulations for corrective actions to be taken for smooth functioning and better attainment of academic activities of the institution.

Committee Members

Sl. No.	Name of the Member	Designation of the Member	Position of the Member
1	Dr. R. S. Jahagirdar	Principal, KGR CET	Chairman
2	Ln. K. Krishna Reddy	Chairman, KGR CET	Member, Representative from Management
3	Prof. M. N. Narsaiah	Assistant Professor, ECE, KGR CET	Coordinator
4	Ms. K. Sandhya Reddy	Industrialist, KENR Technology Hyderabad	Member
5	Dr. K. Rohit	Associate Professor, KGR CET	Member
6	Dr. Wankhade	HOD, CSE, KGR CET	Member
7	Dr. Anil N Rakhonde	HOD, ECE, KGR CET	Member
8	Prof. P. Samyuktha	HOD, EEE, KGR CET	Member
9	Mr. Mahesh Reddy	HOD, MECH, KGR CET	Member
10	Mr. K Thangamani	HOD, CIVIL, KGR CET	Member
11	Dr. Ananthaiah	HOD, H&S, KGR CET	Member
12	Dr. Sukanya Metta	HOD, MBA, KGR CET	Member
13	Dr. Dilip Kumar Sahu	Dean R&D, Professor, Dept of Mech, KGR CET	Member
14	Mr. Bavusaheb. B. K	Assistant Professor, Dept of ECE	Opted Members

15	Mrs. K. Kalpana	Assistant Professor, Dept of Mech	Opted Members
16	Mr. M. Sugunakar	Assistant Professor, Dept of EEE	Opted Members
17	Mr. Ashwini Gulhane	Assistant Professor, Dept of CSE	Opted Members
18	Mr. Kashinath Patil	Assistant Professor, Dept of CIVIL	Opted Members
19	Mr. G. Narsimulu	Assistant Professor, Dept of H&S	Opted Members
20	Mrs. Sameera Afroze	Assistant Professor, Dept of MBA	Opted Members
21	Mr. B. Ravi Kiran	Office Superintendent, KGR CET	Member, Administration
22	Mr. D. Vinay	Alumni	Member, Representative from Alumni
23	Ms. G. Rashmitha	President, Student Council, KGR CET	Member, Representative from Student Council
24	Mr. MD. Afridh	General Secretary, Student Council	Member, Representative from Student Council
25	Ms. Nikitha	Technical club Secretary, Student Council	Member, Representative from Student Council

Program Assessment Committee (PAC):

Preparation and submission of periodic reports on program activities, progress and status to management and key stake holders. PAC shall meet at least twice in semester to review the program and submits report to the development advisory board.

Responsibilities:

- Monitoring the achievements of Program Outcomes (POs), Program Specific Outcomes (PSOs) and Program Educational Objectives (PEOs).
- Evaluating program effectiveness and proposing necessary changes.
- Preparing periodic reports on program activities, progress, status or other special reports for IQAC.
- Motivating the faculty and students towards attending workshops, developing projects, working
- models, paper publications and engaging in research activities.
- Interacting with students facilitating the achievement of POs, PSOs and PEOs.
- Interacting with stake holders regarding the improvement of POs, PSOs and PEOs.
- Identifying the GAPS in COs, POs, PSOs and PEOs and action taken to fill the GAPS.
- Identifying the Slow learners and fast learners and mechanism to encourage the both.

Department of Electronics & Communication Engineering Committee Members:

Sl. No.	Name of the Member	Designation of the Member	Position of the Member
1.	Dr Anil N Rakhonde	HOD	Chairman
2.	Mr. A. Vijay Bhasker Reddy	Assistant professor	Coordinator
3.	Mr. Rohit Kandakatla	Associate professor	Member
4.	Dr. B Vandana	Associate professor	Member (IV-Module Coordinator)
5.	Mrs. Pagadala Usha	Assistant professor	Member (III-Module Coordinator)
6.	Mrs. Gayatri Tangirala	Assistant professor	Member (II-Module Coordinator)
7.	Md. Asif	Assistant professor	Member (I-Module Coordinator)
8.	Mr. M. N. Narsaiah	Assistant professor	Member
9.	Mr. Angotu Saida	Assistant professor	Member

Department Advisory Board (DAB)

DAB is the Internal Committee of the Department with all the department members and actively participate in the meeting for giving the suggestions to develop the department

Responsibilities:

- Develop and recommend the vision and mission statement of the department & provide guidelines for formulation of program educational objectives (PEOs) and program outcomes (POs).
- Receive the reports of the program assessment Committee and monitor the progress of the program.
- Look after the current and future issues to program.
- Meet at least once in a semester to review the program.

Department of Electronics & Communication Engineering Committee Members

Sl. No.	Name of the Member	Designation of the Member	Position of the Member
1.	Dr. Anil N Rakhonde	HOD	Chairman
2.	Mrs. Pagadala Usha	Assistant professor	Coordinator
3.	Dr. B Vandana	Associate professor	Member
4.	Dr. Rohit Kandakatla	Associate professor	Member
5.	Mr. M. N. Narsaiah	Associate professor	Member
6.	Mrs. Gayatri Tangirala	Assistant professor	Member
7.	Mr. N S Shaker Babu	Industrial list	Member from industry
8.	Ms. K. Sandhya Reddy	Industrial list	Member from industry
9.	Dr. Md. Sallauddin	Professor	Member from academician
10.	G. Venu	Business	Member from parents
11.	G. Krishna	Alumni & Entrepreneur	Member from alumni & entrepreneur
12.	G. Rashmitha	IV-year student	Member from student council

Defined rules, Procedures, Recruitment, and Promotional policies:

In continuation to the above, the department level committees constituted by the respective heads monitor the activities of the departments like subject allocation, lab in- charges, time tables, discipline, internal assessment, academic performance, and the teaching process.

The rules and policies are well documented and brought in the form of a booklet. The booklet is distributed among the staff and each employee is educated on rules and policies etc., at the time of appointment. A few copies of the documents are also kept in the library and also on college website.

The staff recruitment at each level is through advertisement in National Newspapers as well as keeping the same on the website. The selection committee consists of the affiliating University Nominee as the Chairman, Subject experts drawn from the University, and concerned Head of the Department of the college and principal/Dean and Directors. In promoting the staff members from one cadre to other, affiliating University and AICTE norms are followed.

List of the published rules, policies and procedures, year of publications, awareness among the employees/students are made available in the library and also on college website.

10.1.3 Decentralization in working and grievance redressal mechanism

The institution believes in the culture of decentralized governance and transparent mechanism in management, administration, financial and academic affairs by involving the Principal, HODs, Leads, Coordinators and senior faculty members. The institution believes in delegating appropriate responsibilities to all the administrative committee members and allows the top management to focus on policy making and major decisions.

Decentralization is ensured through the approvals provided by the Governing Body to the Perspective Plan and the Budget. Once the approvals are given, the Heads of the Department are free to take all decisions related to governance, academics, evaluation etc. various committees are set up with the faculty as conveners and student representatives, who take decisions on a variety of issues through committees.

The HODs have the authority in deciding the academic delegating the responsibilities to the staff members of the departments. HODs are empowered to plan and execute the activities as per the academic plan and ensures its timely implementation for achieving the institutional growth.

The IQAC plays a pivotal role in quality assurance, sustenance and enhancement through visioning and deployment besides review for achieving quality assurance. The activities pertaining to the institution in respect of teaching & learning, research and development, industry interface and student activities are reviewed by the IQAC and the reports will be sent to Governing Body for approval.

Any grievance in academic activities could be represented to the Grievances and Redressal Committee. The principal discusses the directions of the Governing Council with the HODs and IQAC to evolve a consensus on the focus areas of teaching learning process, research and development, administration, and financial sanctions.

The college promotes the culture of participative management which enables staff and students to voice their opinions and suggestions which are considered for improvement. All academic and administrative activities are decentralized and decisions are taken based on discussions and

deliberations at various levels of staff meetings between Principal, HODs and stakeholders for achieving consensus.

The Grievance Redressal Committee:

This cell is established to solve the grievances raised by the faculty or students from time to time. All the grievances of the students/staff which could not be settled in the routine process are referred to this committee. Committee tries to settle the issues amicably in a time bound manner. Introduces a reasonable and reliable solution for grievances of various issues received from students/parents/staff. It ensures that all the grievances are resolved on time, impartially and confidentially.

The objective of the Grievance Cell is to develop a responsive and accountable attitude among all the stakeholders in order to maintain a harmonious educational atmosphere in the institute.

Committee Members

Sl. No.	Name of the Member	Designation of the Member	Position of the Member
1	Mr. M N Narasaiah	Assistant Professor, IQAC Coordinator-ECE	Convener
2	Dr. Anil N Rakhonde	Professor & HOD-ECE	Convener
3	Dr. H S Wankhede	Associate Professor (HOD)-CSE	Member
4	Dr. Ramesh Babu	Associate Professor-CIVIL	Member
5	Mrs. Samyuktha	Associate Professor & HOD-EEE	Member
6	Dr T V VPavan Kumar	Professor & Head of the Exam Branch-EEE	Member
6	Mrs. Vani Reddy	OFFICE	Member
7	Mr. B Rahul	Student -IV CE	Student Member
8	Ms. Nikitha	Student -IV ECE	Student Member
9	Mr. Surya Teja	Student -III ME	Student Member
10	Mr. Md Afreed	Student -IV EEE	Student Member

Anti-Ragging Committee

Anti-Ragging Committee will be the supervisory and advisory committee in preserving a Culture of Ragging Free Environment in the college Campus.

Committee Members

Sl. No.	Name of the Member	Designation of the Member	Position of the Member
1	Dr R S Jahagirdar	Principal, KGR CET	Chairman
2	Mr. M N Narasaiah	Assistant Professor, ECE, KGR CET	Convener
3	Dr. Rohit K	Associate Professor, KGR CET	Member
4	Dr. N Sinivas Reddy	NGO Represent	Member

5	Mr. K Thangamani	HOD – CE	Member
6	Mrs. Samyuktha	HOD – EEE	Member
7	Mr. Mahesh Reddy	HOD – ME	Member
8	Dr. Anil N. Rakhonde	HOD – ECE	Member
9	Dr. H S Wankhede	HOD – CSE	Member
10	Dr. M Swaroopa	HOD – H&S	Member
11	Inspector of Police, Moinabad	Police Department	Member
12	Ms. Niharika	IV ECE	Student Member
13	Mr. Sai Charan	III ECE	Student Member
14	Mr. Shashank	IV CSE	Student Member
15	Mr. S Hanish	II CSE	Student Member
16	Mr. M Thulasi Kumar	IV CIVIL	Student Member
17	Ms. G Gayatri	IV ECE	Student Member
18	Mr. T Shravan Kumar	II CIVIL	Student Member
19	Mr. M Ganesh	IV ME	Student Member
20	Mr. Mahesh Kumar	IV EEE	Student Member
21	Ms. Swathi	II EEE	Student Member
22	Ms. Sai Nikhitha	III CSE	Student Member
23	Ms. P Bhavana	II ECE	Student Member
24	Mr. P Sumanth	I Year	Student Member
25	Ms. G Sowmya	I Year	Student Member
26	Mr. G Sridhar	I Year	Parent Member
27	Mr. L Malla Reddy	I Year	Parent Member

Meetings:

Academic Year	Date of Meeting	No. of Members Attended
2019-2020	23/08/2019	11
2018-2019	16/05/2019	06
	05/08/2019	06
	23/08/2019	11
2017-2018	21/05/2018	14
	10/07/2018	14
	14/08/2018	13

Prevention of Sexual Harassment Committee

Sexual Harassment at workplace is a violation of women's right to gender equality, life and liberty. It creates an insecure and hostile work environment, which discourages women's participation in work, thereby adversely affecting their economic empowerment and the goal of inclusive growth.

KGR CET is committed to upholding the Constitutional mandate to combat sexual harassment of women and ensure that human rights of all those who fall within its jurisdiction are safeguarded.

Committee Members:

Sl. No.	Name of the Member	Designation of the Member	Position of the Member
1	Mrs. T Gayatri	Assoc. Professor – ECE	Convener
2	Dr. Anil N Rakhonde	HOD-ECE	Member
3	Dr. H S Wankhede	HOD – CSE	Member
4	Dr. Madhulitha	Assoc. Professor-H&S	Member
5	Mrs. Jaya Bharathi	Asst. Professor-CSE	Member
6	Mrs. Samyuktha	HOD-EEE	Member
7	Mrs. Vani Reddy	Admin OFFICE	Member
8	Ms. Ganga Jamuna	IV CSE	Student Member
9	Ms. G Gayatri	IV ECE	Student Member
10	Ms. C Ashwini	III EEE	Student Member
11	Ms. D Rohitha	IV CE	Student Member
12	Mr. Ravi Teja	II CSE	Student Member
13	Mr. Sai Charan	III ECE	Student Member

Meetings:

Academic Year	Date of Meeting	No. of Members Attended
2019-2020	12/02/2020	07
2018-2019	09/01/2019	10
	24/04/2019	10
	22/07/2019	08
	14/09/2019	08
	21/12/2019	07
2017-2018	31/07/2018	12
	26/09/2018	09

Disciplinary Committee:

Creating safe and motivating environment in our institution and to bring professionalism among students by inculcating best practices.

Committee Members

Sl. No.	Name of the Member	Designation of the Member	Position of the Member
1	Dr. R S Jahagirdar	Principal, KGR CET	Chairman
2	Mr. M N Narasaiah	Assistant Professor-ECE	Convener
3	Dr. Anil N Rakhonde	Professor-ECE	Member
4	Dr. H S Wankhede	HOD-CSE	Member
5	Prof. K Thangamani	HOD-Civil	Member
6	Prof. Samyuktha	HOD-EEE	Member
7	Mrs. Vani Reddy	OFFICE	Member
8	Ms. G Rashmitha	IV ECE	Student Member
9	Mr. B Rahul	IV CE	Student Member

10	Md. Afrith	IV EEE	Student Member
11	Mr. Krishna	IV CSE	Student Member

Meetings:

Academic Year	Date of Meeting	No. of Members Attended
2019-2020	20/02/2020	07
2018-2019	20/03/2019	07
	15/07/2019	11
	13/08/2019	10
	19/09/2019	11
2017-2018	23/07/2018	09
	31/10/2018	08

Meetings:

Academic Year	Date of Meeting	No. of Members Attended
2019-2020	18/09/2019	07
2018-2019	06/02/2019	06
	09/08/2019	09
	19/09/2019	07
2017-2018	27/07/2018	08
	02/08/2018	08
	13/08/2018	08
	12/09/2018	08
	05/12/2018	08

Women Cell

The Women Cell is constituted to help maintain a harmonious atmosphere at the Institute, to enable women to pursue their work with dignity and reassurance. The Cell has been working to raise awareness on gender equality issues.

Committee Members

Sl. No.	Name of the Member	Position of the Member	Designation of the Member
1	Ms. T Gayatri	Convener	ECE
2	Ms. Sakshi Machelwar	Member	CE
3	Ms. Shravani	Member	ME
4	Ms. Samyuktha	Member	EEE
5	Dr. B Vandana	Member	ECE
6	Ms. Poonam ganesh swami	Member	ECE
7	Ms. BN Jyothi	Member	CSE

8	Ms. Shelly sinha	Member	CSE
9	Ms. Chandana	Member	Administrative Office
10	Ms. Sujatha	Member	H&S
11	Ms. Ashwini	Student member	CE
12	Ms. Swathi	Student member	EEE
13	Ms. Lahari	Student member	ECE
14	Ms. Taibitha	Student member	ECE
15	Ms. Meghana	Student member	CSE
16	Ms. Vineela	Student member	CSE

Meetings:

Academic Year	Date of Meeting	No. of Members Attended
2019-2020	03/01/2020	05
2018-2019	05/03/2019	08
	31/08/2019	10
	08/11/2019	04
	03/12/2019	06
2017-2018	22/01/2018	05
	06/03/2018	05
	30/05/2018	07
	30/07/2018	08
	18/09/2018	07

10.1.4 Delegation of financial powers

- To ensure smooth function of the academic and administrative operations in the institution, the governing body resolved to delegate financial powers to the leadership team at KGR CET.
- Principal of the institution is given financial power of up to Rs. 25,000/- per month.
- The same is extended to the HODs up to a limit of Rs. 10,000/- per month.

10.1.5 Transparency and availability of correct/unambiguous information in public domain

- Dissemination and availability of institute program specific information is made available on the website.
- Information provisioning in accordance with Right to Information ACT, 2005, constituted a committee headed by the Principal & Director the committee detail is available on the website.

Transparency in administration

- The file movement system is in operation which makes involvement of functionaries in decision making.
- The decision of Governing body and as well as of academic bodies are circulated to the staff through proper channel. All heads of the department keep the staff informed about the

administrative / academic decisions taken.

- The “College Management System (CMS)” online application software is in utilization by the teaching staff for maintaining student’s academic information and the same is communicated.

10.2 Budget Allocation, Utilization, and Public Accounting at Institute level

10.2.1. Adequacy of budget allocation

Sl. No.	Assessment Year	Budget Allocated In (Rs.)	Actual Expenditure In (Rs.)	Adequate / Non Adequate
1	CFY-19-20	9,40,40,217	9,57,17,611	Non Adequate
2	CFYm1- 18-19	9,13,16,397	9,93,52,097	Non Adequate
3	CFYm2- 17-18	7,97,29,799	9,32,49,562	Non Adequate
4	CFYm3-16-17	6,77,97,600	7,30,94,198	Non Adequate

10.2.2 Utilization of allocated funds

Sl. No.	Assessment Year	Budget Allocated In (Rs.)	Actual Expenditure In (Rs.)	Percentage of Utilization
1	CFY-19-20	9,40,40,217	9,57,17,611	101.78
2	CFYm1-18-19	9,13,16,397	9,93,52,097	108.80
3	CFYm2-17-18	7,97,29,799	9,32,49,562	116.96
4	CFYm3-16-17	6,77,97,600	7,30,94,198	107.81

10.2.3 Availability of the audited statements on the institute’s website

Yes, The Institution carries out internal and external audit process and the audited statements are available on the institution website.

Summary of current financial year’s budget and actual expenditure incurred (for the institution exclusively) in the three previous financial years :

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)

Table 1 - CFY 2019-20

Total Income 104230737				Actual expenditure(till...): 9,57,17,611			Total No. Of Students 1019
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
92131001	0	0	12099736	93106163	2611448	0	93933

Table 2 - CFYm1 2018-19

Total Income 91373228				Actual expenditure (till...): 99352097			Total No. Of Students 1294
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
76255600	0	0	15117628	91866683	7485414	0	76779

Table 3 - CFYm2 2017-18

Total Income 79095501				Actual expenditure(till...): 93249562			Total No. Of Students 1263
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
69010100	0	0	10085401	86971377	6278185	0	73832

Table 4 - CFYm3 2016-17

Total Income 67054307				Actual expenditure(till...): 73094198			Total No. Of Students 1290
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
57664940	0	0	9389367	65564246	7529952	0	56662

Items	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	7,00,000	11,48,060	56,33,048	54,63,479	33,88,200	42,78,352	43,21,900	56,08,179
Library	1,65,000	97,395	2,10,220	2,05,305	2,96,050	3,73,408	3,04,000	3,18,096
Laboratory equipment	4,25,000	13,65,994	18,93,950	18,16,630	14,98,060	16,26,425	16,42,500	16,03,677
Laboratory consumables	10,01,722	6,89,188	9,82,080	11,29,742	4,27,000	4,53,304	4,07,000	3,81,080
Teaching and non-teaching staff salary	6,51,26,474	6,34,80,397	6,02,34,326	5,88,43,983	5,33,25,816	5,61,68,400	4,16,14,000	4,01,56,062
Maintenance and spares	18,74,290	17,96,059	26,43,620	34,55,840	24,44,700	29,76,849	9,59,700	13,86,408
R&D	9,56,802	5,26,305	8,64,473	9,35,756	6,56,455	6,31,455	4,98,350	5,15,026
Training and Travel	7,40,703	9,74,587	6,98,776	8,40,304	5,02,550	4,64,280	4,08,000	3,96,740
Miscellaneous Exp	29,000	0	26,500	0	25,000	0	48,500	33,601
Others, specify	2,30,21,227	2,56,39,627	1,81,29,404	2,66,61,058	1,71,65,968	2,62,77,089	1,75,93,650	2,26,95,329
Total	9,40,40,218	9,57,17,611	9,13,16,397	9,93,52,097	7,97,29,799	9,32,49,562	6,77,97,600	7,30,94,198

10.3 Program Specific Budget Allocation, Utilization

10.3.1 Adequacy of budget allocation

Sl. No.	Assessment Year	Budget Allocated In (RS.)	Actual Expenditure In (RS.)	Adequate / Non Adequate
1	2019-20	19199600	18691410	Adequate
2	2018-19	18386513	17636791	Adequate
3	2017-18	15662510	15296472	Adequate
4	2016-17	13234800	12703608	Adequate

Total budget allocation and utilization 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)

Table 1 :: CFY 2019-20

19199600		Actual expenditure (till...): 18691410		Total No. Of Students 432
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
280000	18919600	231165	18460245	43267

Table 2 :: CFYm1 2018-19

18386513		Actual expenditure (till...): 17636791		Total No. Of Students 425
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
558350	17828163	530977	17105814	41498

Table 3 :: CFYm2 2017-18

15662510		Actual expenditure (till...): 15296472		Total No. Of Students 401
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
747260	14915250	798535	14497937	38146

Table 4 :: CFYm3 2016-17

13234800		Actual expenditure (till...): 12703608		Total No. Of Students 336
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
1148000	12086800	1101290	11602319	37808

Items	Budget ed in 2019-20	Actual Expens es in 2019-20 till	Budg eted in 2018-19	Actual Expens es in 2018-19 till	Budg eted in 2017-18	Actual Expen ses in 2017-18 till	Budg eted in 2016-17	Actual Expense sin 2016-17 till
Laboratory equipment	245000	206165	492550	470815	424460	473484	562500	543533
Software	116844	199360	112350	101688	87505	83506	215800	228748
Laboratory consumabl e	349656	268425	342800	339749	125000	122238	100000	94500
Maintenan ce and spares	145600	138790	296900	286271	250000	233725	107000	139863
R & D	363585	358880	371723	411733	282276	252582	209307	206010
Training and Travel	233688	304500	220460	221033	161500	149136	138000	129265
Miscellane ous Expenses	6500	0	6500	0	3000	0	8000	7396
Total	1460873	1476120	1843283	1831289	1333741	1314671	1340607	1349315

10.3.2 Utilization of allocated funds

Sl. No.	Assessment Year	Budget Allocated In (RS.)	Actual Expenditure In (RS.)	Percentage of Utilization
1	2019-20	1,91,99,600	1,86,91,410	97.35
2	2018-19	1,83,86,513	1,76,36,791	95.92
3	2017-18	1,56,62,510	1,52,96,472	97.66
4	2016-17	1,32,34,800	1,27,03,608	95.99

10.4. Library and Internet

10.4.1 Quality of learning resources (hard/soft)

The college library complex with an area of 7480.7 sft. (Ground and first floor). The ground floor accommodates Stack Area, Book Circulation Section, Newspapers, Magazines and Reprography / Photocopy. The first- floor hosts Back volumes, Project reports, P.G. books, Digital Library and books for competitive examinations etc.

The library equipped with modern infrastructure, with a reading capacity for 120 users. A total collection of 22,791 volumes, 120 + Print Journals & Magazines, 5000+ Full-text E-Journals & 4350 E-books.

The central library was automated by the NEWGEN LIB 3.1 version software in 2014 for smooth functioning of library activities. The software consists of various modules on acquisition, cataloging, circulation, serials control, and Online Public Access to Cataloguing (OPAC).

The NEWGENLIB software was upgraded to 3.1.2 version software in 2015. This new version enables the librarian to issue, renewal of books, maintain the database of books, journals, periodicals and to maintain the data of students and faculty who utilize the library resources.

The NEWGENLIB software was upgraded to 3.1.3 version software in 2017. Salient features of NEWGENLIB 3.1.3:

- Functional modules are completely web based. Uses Java Web Start™ Technology.
- Compatibility - Complies with international metadata and interoperability standards: MARC-21, MARC-XML, z39.50, SRU/W, OAI-PMH
- Uses chiefly open-source components
- Scalable, manageable and efficient
- OS independent - Windows and Linux flavors available
- z39.50 Client for federated searching
- Internationalized application (I18N)
- Unicode 4.0 complaint
- Easily extensible to support other languages
- Data entry, storage, retrieval in any (Unicode 3.0) language
- RFID integration

- Networking – Hierarchical and Distributed networks
- Automated email/instant messaging integrated into different functions of the software
- Form letters are configurable and use XML-based OpenOffice templates
- Extensive use of set up parameters enabling easy configuration of the software to suit specific needs, e.g., in defining patron privileges
- Supports multi-user and multiple security levels
- Allows digital attachments to metadata

Faculty and students are able to access the below services in the library:

- DELNET, NDL (National Digital Library)
- OPAC (Online Public Access to Cataloguing for Book Search) Service
- E-Book Services
- E-Journal Services
- Quick Mail Service
- Book Bank Service
- SWAYAM (online course)
- NPTEL – Learning Resources Service Centre
- Current Contents Service/journals
- Current Awareness Services/newspaper
- Previous Question Papers Access
- Reports of best projects carried out by students.
- Reference Service Reprographic Service (Xerox and Printing)

In addition, there are free online resources like [“www.indianmanuscripts.com”](http://www.indianmanuscripts.com) and www.rarebooksocietyofindia.org, where in students can easily access Indian ancient manuscripts, rare and special books. The link of same is given in college website also.

Relevance of available learning resources including e-resources

The library of KGR CET is equipped with the required reference and prescribed text books as per the approval and affiliating authorities. Apart from the books as per the curriculum requirement, other relevant books are provided for additional reference and to carryout project work in the respective programs.

Magazines and journals of technical relevance are available in the library. The learning resources which are made available program wise in the library meet the curriculum requirement. Downloaded E-books, videos from (National Program on Technology Enhanced Learning (NPTEL), MHRD, GOI for all the programs are maintained in the database and added to the library e-resources. Several e-journals, e-textbooks and online library resources have been subscribed for institutional use.

Accessibility to students

Every student is issued a library card on enrolment into any program of KGR CET. Students are permitted to enter library by showing the library card and access any book including reference. Students can borrow the books for a period of two weeks to take outside the library. The default limit of number of books that can be taken outside is three and can be increased on the request from the student and recommendation by the respective faculty. All the students are given e-access to the NPTEL lectures, e-journals through digital library.

Higher Studies: To motivate the students to prepare for the GATE, GRE and TOFEL/IELTS, all necessary reference publications and resource material are placed separately in the library.

Support to students for Self-learning activities

As the current engineering demands all-round development, students have difficulty in managing both regular academics and other technical activities. in advance to ensure maximum self-learning at their own pace. Faculty at KGR CET follow various innovative pedagogies which significantly promote self-learning. All the faculty post their lesson plans and e-learning resources on the college CMS (College Management System). Learning resources in terms of lecture notes, presentations, videos and other information is shared with students through course website(canvas) for their access.

10.4.2 Internet

Name of the Internet provider	GTPL Broadband PVT Ltd
Available band width	100 MBPS
WiFi availability	YES
Internet access in labs, classrooms, library and offices of all Departments	Available
Security arrangements	Available

Annexure I
(A) PROGRAM OUTCOME (POs)

Engineering Graduates will be able to:

Engineering Knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

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.

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.

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.

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.

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.

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.

Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

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.

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.

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 OUTCOME (PSOs)

PSO1	Problem Solving Skills – Graduates will be able to apply their knowledge in emerging electronics and communication engineering techniques to design solutions and solve complex engineering problems.
PSO2	Professional Skills – Graduate will be able to think critically, communicate effectively, and collaborate in teams through participation in co and extra-curricular activities.
PSO3	Successful Career – Graduates will possess a solid foundation in Electronics and Communications engineering that will enable them to grow in their profession and pursue lifelong learning through post- graduation and professional development
PSO4	Society Impact – Graduate will be able to work with the community and collaborate to develop technological solutions that would promote sustainable development in the society.

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 in force as on date and the institutes shall 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 will be 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. R S Jahagirdar Designation : Principal Signature :

Seal of The Institution :

PRINCIPAL
K.G. Haddy College of Engineering & Technology
Chikur(V), Moinabad (M),
R.K. Dist., Telangana.



Place : Moinabad

Date : 29-06-2020 16:28:25

