

SELF ASSESSMENT REPORT (SAR)
FOR THE ACCREDITATION OF UNDERGRADUATE
ENGINEERING PROGRAM (TIER – II)
FIRST TIME ACCREDITATION

COMPUTER SCIENCE AND ENGINEERING

Submitted to



**SAMSKRUTI COLLEGE OF ENGINEERING
AND TECHNOLOGY**

(Approved by AICTE, New Delhi, Affiliated to JNTUH, Hyderabad)

Accredited by NAAC A Grade

Kondapur, Ghatkesar, Medchal-Malkajgiri Dist.,
Telangana – 501301

PART A- Profile of the Institution

Name of the Program applied for: Computer Science and Engineering

1. Name and Address of the Institution

SAMSKRUTI COLLEGE OF ENGINEERING AND TECHNOLOGY, KONDAPUR(V) ,
GHATKESAR (M), MEDCHAL-MALKAJGIRI(D)

2. Name and Address of Affiliating University

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

3. Year of establishment of the Institution: 2005

4. Type of the Institution:

☐ University	☐ Autonomous
☐ Deemed University	☒ Affiliated
☐ Government Aided	

5. Ownership Status:

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

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

Name of Institutions	Year of Establishment	Programs of Study	Location
Samskruti College of Pharmacy	2006	B.Pharmacy, M.Pharmacy, Pharm.D and Phram.D(PB)	Kondapur, Ghatkesar, Medchal-Malkajgiri District
St Vincent PG College	2001	MBA, MCA	Mysammagutta, Shivareddyguda, Ghatkesar, Medchal-Malkajgiri District

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 and Engineering	UG	2005	2005	60	60	120	Applying firsttime	--	--	Yes	4
Sanctioned Intake for Last Five Years for the Computer Science and Engineering											
Academic Year				Sanctioned Intake							
2022-23				120							
2021-22				60							
2020-21				60							
2019-20				60							
2018-19				60							
Civil Engineering	UG	2009	2009	60	Yes	30	Not eligible for accreditation	--	--	No	4
Sanctioned Intake for Last Five Years for the Civil Engineering											
Academic Year				Sanctioned Intake							
2022-23				30							
2021-22				60							

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2020-21	60
2019-20	120
2018-19	120

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
ELECTRICAL AND ELECTRONICS ENGINEERING	UG	2005	2005	60	Yes	30	Eligible but not applied	--	--	No	4

Sanctioned Intake for Last Five Years for the Electrical and Electronics Engineering

2022-23	30
2021-22	60
2020-21	60
2019-20	60
2018-19	60

MECHANICAL ENGINEERING	UG	2009	2009	60	Yes	30	Not eligible for accreditation	--	--	No	4
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Sanctioned Intake for Last Five Years for the MECHANICAL ENGINEERING

Academic Year	Sanctioned Intake
2022-23	30
2021-22	60
2020-21	60
2019-20	120
2018-19	120

ELECTRONICS AND COMMUNICATIONS ENGINEERING	UG	2005	2005	60	Yes	60	Applying first time	--	--	Yes	4
--	----	------	------	----	-----	----	---------------------	----	----	-----	---

Sanctioned Intake for Last Five Years for the Electronics and Communications Engineering

Academic Year	Sanctioned Intake
2022-23	60
2021-22	120
2020-21	120
2019-20	120

CSE – Self Assessment Report

2018-19					120						
COMPUTER SCIENCE AND ENGINEERING(DATA SCIENCE)	UG	2020	2020	60	Yes	90	Not eligible for accreditation	--	--	0	4
Sanctioned Intake for Last Five Years for the COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)											
Academic Year				Sanctioned Intake							
2022-23				90							
2021-22				60							
2020-21				60							
COMPUTER SCIENCE AND ENGINEERING (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)	UG	2020	2020	60	Yes	120	Not eligible for accreditation	--	--	No	4
Sanctioned Intake for Last Five Years for the COMPUTER SCIENCE AND ENGINEERING (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)											
Academic Year				Sanctioned Intake							
2022-23				120							
2021-22				60							
2020-21				60							
Master Of Business Administration	PG	2007	2007	60	Yes	120	Eligible but not applied	--	--	No	2
Sanctioned Intake for Last Five Years for the Master Of Business Administration											
Academic Year			Sanctioned Intake								
2021-22			120								
2020-21			120								
2019-20			180								
2018-19			180								
2017-18			180								
2016-17			180								

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

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

9. Total number of employees in the institution:**A. Regular* Employees (Faculty and Staff):**

Items	2022-23		2021-22		2020-21		2019-20	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Engineering (Male)	79	79	74	74	67	67	83	83
Faculty in Engineering (Female)	62	62	54	54	38	38	36	36
Faculty in Maths, Science & Humanities (Male)	11	11	8	8	8	8	11	11
Faculty in Maths, Science & Humanities (Female)	17	17	13	13	13	13	11	11
Non-teaching staff (Male)	42	42	42	42	42	42	42	42
Non-teaching staff (Female)	28	28	28	28	28	28	28	28

B. Contractual* Employees (Faculty and Staff):

Items	2022-23		2021-22		2020-21		2019-20	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Engineering (Male)	-	-	-	-	-	-	-	-
Faculty in Engineering (Female)	-	-	-	-	-	-	-	-
Faculty in Maths, Science & Humanities (Male)	-	-	-	-	-	-	-	-
Faculty in Maths, Science & Humanities (FeMale)	-	-	-	-	-	-	-	-
Non-teaching staff (Male)	-	-	-	-	-	-	-	-
Non-teaching staff (FeMale)	-	-	-	-	-	-	-	-

10. Total number of Engineering Students:

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

Engineering and Technology- UG Shift-1

Items	2022-23	2021-22	2020-21	2019-20
Total no. of Boys	284	286	319	281
Total no. of Girls	113	117	82	107
Total	397	403	401	388

Engineering and Technology- MBA Shift-1

Items	2022-23	2021-22	2020-21	2019-20
Total no. of Boys	56	52	67	24
Total no. of Girls	63	36	45	24
Total	119	88	112	48

11. Vision of the Institution:

To be an Institution moulding globally competent professionals as essence of noble values.

12. Mission of the Institution:

To transform the young generation as technically competent, ethically sound and socially committed professionals by providing a vibrant learning ambience, for the welfare of Society.

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

Head of the Institution	
Name	Dr J.Govardhan
Designation	Principal
Mobile No.	9701368997
Email ID	principal.samskruti@gmail.com

NBA Coordinator, If Designated: -

PART B: Criteria Summary**Name of the Program: B. Tech (Computer Science and Engineering)**

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

Table of Contents

Criterion	Details	Page No
1	VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES	12
1.1	State the Vision and Mission of the Department and Institute	12
1.2	State the Program Educational Objectives (PEOs)	12
1.3	Indicate where the Vision, Mission and PEOs are published and disseminated among stakeholders	13
1.4	State the process for defining the Vision and Mission of the Department, and PEOs of the program	14
1.5	Establish consistency of PEOs with Mission of the Department	16
2	PROGRAM CURRICULUM AND TEACHING – LEARNING PROCESSES	17
2.1	Program Curriculum	17
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 as mentioned in Annexure-I. Also mention the identified curricular gaps, if any	17
2.1.2	State the delivery details of the content beyond the syllabus for the attainment of POs and PSOs	22
2.2	Teaching - Learning Processes	29
2.2.1	Describe Processes followed to improve quality of Teaching & Learning	29
2.2.2	Quality of Internal semester Question papers, Assignments and Evaluation	33
2.2.3	Quality of student projects	37
2.2.4	Initiative Related to Industry Interaction	54
2.2.5	Initiative Related to Industry Internship/Summer Training	57
3	COURSE OUTCOMES AND PROGRAM OUTCOMES	67
3.1	Establish the correlation between the courses and the Program Outcomes (POs) and Program Specific Outcomes (PSOs)	67
3.1.1	Course Outcomes(COs)	67
3.1.2	CO-PO matrices of courses selected in 3.1.1 (six matrices to be mentioned, one per semester from 3rd to 8th semester)	69
3.1.3	Program level Course-PO matrix of all courses INCLUDING first year Courses	73
3.2	Attainment of Course Outcomes	77
3.2.1	Describe the assessment processes used to gather the data upon which the evaluation of Course Outcome is based	77
3.2.2	Record the attainment of Course Outcomes of all courses with respect to set attainment levels	81

Criterion	Details	Page No
3.3	Attainment of Program Outcomes and Program Specific Outcomes	84
3.3.1	Describe assessment tools and processes used for measuring the attainment of each of the Program Outcomes and Program Specific Outcomes	84
3.3.2	Provide results of evaluation of each PO & PSO	88
4	STUDENTS' PERFORMANCE	92
4.1	Enrolment Ratio	93
4.2	Success Rate in the stipulated period of the program	94
4.2.1	Success rate without backlogs in any semester/year of study	94
4.2.2	Success rate with backlog in stipulated period of study	94
4.3	Academic Performance in Third Year	95
4.4	Academic Performance in Second Year	95
4.5	Placement, Higher Studies and Entrepreneurship	95
4.6	Professional Activities	101
4.6.1	Professional societies/chapters and organizing engineering events	101
4.6.2	Publication of technical magazines, newsletters, etc.	105
4.6.3	Participation in inter-institute events by students of the program of study	109
5	FACULTY INFORMATION AND CONTRIBUTIONS	118
5.1	Student-Faculty Ratio (SFR)	122
5.1.1	Provide the information about the regular and contractual faculty as per the format mentioned below	123
5.2	Faculty Cadre Proportion	123
5.3	Faculty Qualification	124
5.4	Faculty Retention	124
5.5	Innovations by the Faculty in Teaching and Learning	124
5.6	Faculty as participants in Faculty development/ training activities/STTPs	127
5.7	Research and Development	129
5.7.1	Academic Research	129
5.7.2	Sponsored Research	150
5.7.3	Development activities	151
5.7.4	Consultancy (from Industry)	152
5.8	Faculty Performance Appraisal and Development System (FPADS)	153
5.9	Visiting/Adjunct/Emeritus Faculty etc.	160

Criterion	Details	Page No
6	FACILITIES AND TECHNICAL SUPPORT	162
6.1	Adequate and well equipped laboratories, and technical manpower	162
6.2	Additional facilities created for improving the quality of learning experience in laboratories	164
6.3	Laboratories: Maintenance and overall ambiance	165
6.4	Project laboratory	167
6.5	Safety measures in laboratories	168
7	CONTINUOUS IMPROVEMENT	173
7.1	Actions taken based on the results of evaluation of each of the POs &PSOs	173
7.2	Academic Audit and actions taken thereof during the period of Assessment	177
7.3	Improvement in Placement, Higher Studies and Entrepreneurship	180
7.4	Improvement in the quality of students admitted to the program	182
8	FIRST YEAR ACADEMICS	183
8.1	First Year Student-Faculty Ratio (FYSFR)	183
8.2	Qualification of Faculty Teaching First Year Common Courses	187
8.3	First Year Academic Performance	188
8.4	Attainment of Course Outcomes of first year courses	188
8.4.1	Describe the assessment processes used to gather the data upon which the evaluation of Course Outcomes of first year is done	188
8.4.2	Record the attainment of Course Outcomes of all first year courses	192
8.5	Attainment of Program Outcomes from first year courses	193
8.5.1	Indicate results of evaluation of each relevant PO and/or PSO, if Applicable	193
8.5.2	Actions taken based on the results of evaluation of relevant POs	194
9	STUDENT SUPPORT SYSTEMS	198
9.1	Mentoring system to help at individual level	198
9.2	Feedback analysis and reward/corrective measures taken, if any	202
9.3	Feedback on facilities	205
9.4	Self-Learning	207
9.5	Career Guidance, Training, Placement	208
9.6	Entrepreneurship Cell	218
9.7	Co-curricular and Extra-Curricular Activities	219

Criterion	Details	Page No
10	GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES	229
10.1	Organization, Governance and Transparency	229
10.1.1	State the Vision and Mission of the Institute	229
10.1.2	Governing body, administrative setup, functions of various bodies, service rules, procedures, recruitment and promotional policies	229
10.1.3	Decentralization in working and grievance redressal mechanism	242
10.1.4	Delegation of financial powers	244
10.1.5	Transparency and availability of correct/unambiguous information in public domain	245
10.2	Budget Allocation, Utilization, and Public Accounting at Institute level	246
10.2.1	Adequacy of budget allocation	246
10.2.2	Utilization of allocated funds	249
10.2.3	Availability of the audited statements on the institute's website	250
10.3	Program Specific Budget Allocation, Utilization	250
10.3.1	Adequacy of budget allocation	251
10.3.2	Utilization of allocated funds	251
10.4	Library and Internet	252
10.4.1	Quality of learning resources (hard/soft)	252
10.4.2	Internet	254

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)**

Vision of the institute	To be an Institution moulding globally competent professionals as essence of noble values.	
Mission of the institute	To transform the young generation as technically competent, ethically sound and socially committed professionals by providing a vibrant learning ambience, for the welfare of Society.	
Vision of the Department	To achieve academic excellence through education in computing and create intellectual, professional manpower to explore higher educational, research and social opportunities.	
Mission of the Department	Mission No.	Mission Statements
	M1	To impart learning by educating students with social awareness, conceptual knowledge and hands on practices using modern tools and competency skills.
	M2	To Provide high quality computer education in both the theoretical and applications of Computer Science and Engineering and train the student effectively to apply programming skills to solve real-world problems.

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

PEO No.	Program Educational Objectives Statements
PEO1	Graduates shall excel in professional career and/or higher education by acquiring fundamental knowledge in Mathematics, Applied Science, Basic Engineering principles and Computational skills.
PEO2	Graduates shall excel in the core fields of computer software and hardware engineering, to meet the desired needs of industry with lifelong learning and societal attribution.
PEO3	Graduates shall excel in their career by executing complex technological solutions along with interdisciplinary knowledge with leadership and teamwork.

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

Vision and Mission and the Program Educational Objectives are displayed/published/disseminated among the stakeholders through the following medium.

Medium	Stakeholders
College Website http://samskruti.ac.in/engineering/cse-dept-vision-mission/ (http://samskruti.ac.in/engineering/cse-dept-vision-mission/) http://samskruti.ac.in/engineering/cse-peos-pos/ (http://samskruti.ac.in/engineering/cse-peos-pos/)	All Stakeholders
College/Department Noticeboards	Students, Faculty, Parents, Supporting Staff, On Campus Recruiters, Invited Lecturers, Alumni, Governing Body, Visitors, Management.
Central/Department Library	Students, Faculty, Visitors
Lab Records, Manuals	Students, Faculty In charges, Supporting Staff
Laboratories	Students, Faculty in charges, Supporting Staff, Visitors
Course Files/Handouts	Students, Faculty, External Resource Persons
Meetings/Circulars	Faculty, Governing Body
Parent-Teacher Meeting	Parents, Students, Faculty
Office Rooms/Staff Rooms/Department Corridors	Students, Faculty, Support Staff, Visitors

The Institution believes that the Vision and Mission and Program Educational Objectives(PEOs) are to be known by every stakeholder. The media chosen for dissemination ensures that all the Stakeholders are repeatedly made aware of the Vision and Mission and Program Educational Objectives, thereby ensuring that all the efforts are directed at attaining best possible learning Outcomes.

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

The Vision and Mission of the department are defined in tune with the Institutional Vision and Mission, considering the expectations of Academic Institutions as well as Computer Science Engineering Industry, and having discussions with reputed people from both Academia and Industry.

The steps in defining Vision and Mission are:

Step 1: The Vision and Mission of the Institute was taken as basis for defining the Vision and Mission of the Department.

Step 2: Department Committee takes inputs from the internal stakeholders.

Step 3: Department Committee takes inputs from External stakeholders.

Step 4: Department Committee takes inputs from all stakeholders and also from students and sends entire data to the Department decision making committee.

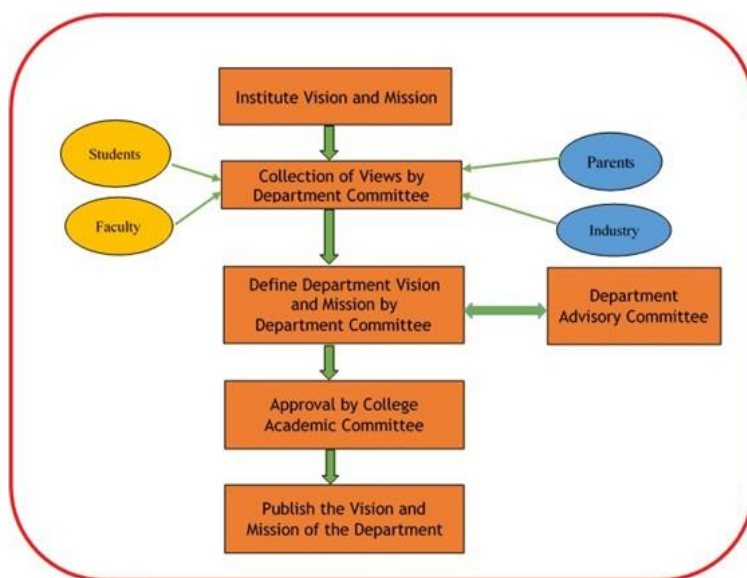
Step 5: Department committee sends the draft for review to the Department Advisory Committee
(consisting of Industrial/Academician/Professional society members) for its approval.

Step 6: Department Advisory Committee reviews and send back Vision and Mission of the Department (with or without changes) to Department Committee.

Step 7: The Department Committee finalizes the Department's Vision and Mission and would be sent to the College Academic Committee.

Step 8: Then Department Committee finalizes and publishes the Vision and Mission

Process for defining Department Vision and Mission is as shown in the flow chart below



The following process was adapted for defining the PEOs of the Department:

The Program Educational Objectives are established through a consultation process involving the core constituents such as: Students, Alumni, Industry person, Faculty and Employer.

The PEOs are established through the following process steps:

Step 1: Vision and Mission of the Department are taken as a basis for establishing the PEOs.

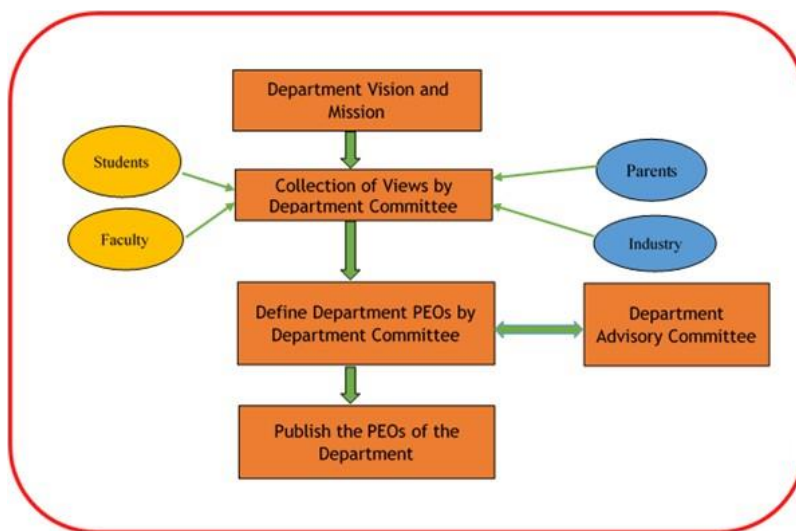
Step 2: Department Committee consults the stake holders and collects their views.

Step 3: Department Committee sends the draft for review to the Department Advisory Committee for its approval.

Step 4: Department Advisory Committee (DAC) reviews them and send back PEOs (with or without changes) to Department Committee.

Step 5: Then Department Committee finalizes and publishes the PEOs.

Process for defining PEOs of the Department is as shown in the flow chart below:



1.5 Establish consistency of PEOs with Mission of the Department (15)

Mapping	Justification
PEO1	DM1 highly supports to impart learning by educating students with social awareness and conceptual knowledge. DM2 moderately supports to both the theoretical and applications of Computer Science and Engineering and train the student effectively to apply programming skills to solve real-world problems.
PEO2	DM1 slightly supports to impart learning by educating students with social awareness. DM2 strongly supports to Provide high quality computer education in both the theoretical and applications of Computer Science and Engineering.
PEO3	DM1 moderately supports to impart learning by educating students hands on practices using modern tools and competency skills. DM2 moderately supports to Provide high quality computer education in both the theoretical and applications of Computer Science and Engineering.

PEO Statements	M1	M2
Graduates shall excel in professional career and/or higher education by acquiring fundamental knowledge in Mathematics, Applied Science, Basic Engineering principles and Computational skills.	3	2
Graduates shall excel in the core fields of computer software and hardware engineering, to meet the desired needs of industry with lifelong learning and societal attribution.	1	3
Graduates shall excel in their career by executing complex technological solutions along with interdisciplinary knowledge with leadership and teamwork.	2	2

2 PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES (120)

2.1 Program Curriculum (20)

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 as mentioned in Annexure-I. Also mention the identified curricular gaps, if any (10)

UNIVERSITY CURRICULUM

The Process used to identify the extent of compliance of the University curriculum for attaining the Program Outcomes (POs) and Program Specific Outcomes (PSOs) is described below.

- The program curriculum is categorized into various streams like Basic Sciences and Humanities, Basic Engineering Courses, Professional Core Courses, Management and Elective courses.
- Courses in each stream are identified.
- Course Outcomes (COs) are defined for all the courses.
- COs are mapped with POs and PSOs.

PROGRAM CURRICULUM

Basic Sciences and Humanities

The stream includes courses like Engineering Mathematics, Engineering Physics, Engineering Chemistry, Constitution of India and Professional Ethics and Environmental studies. These courses form the fundamental basis for all engineering disciplines which provides basic knowledge on Mathematics, Physics, Chemistry, Indian constitution, Professional Ethics and importance of Environment.

Basic Engineering Courses

The stream includes courses like Basic Electrical Engineering, Engineering Workshop, Programming in C, Engineering drawing, Analog and Digital Electronics. These courses provide the fundamental knowledge on all engineering disciplines.

Professional Core Courses

The stream include courses relevant to the specific program and are meant to develop competencies required so that students acquire outcomes as desired by the profession. The course studies include core courses like Data Structures with C, Object Oriented Programming using C++, Database Management Systems, Java Programming, Operating Systems, Software Engineering, Formal Languages & Automata Theory, Web Technologies, Machine Learning, Compiler Design, Cryptography & Network Security, etc. Industrial Oriented Mini Project / Summer Internship, Project work and Technical Seminar are included in final year to provide opportunity for students to develop understanding of the inter relationship between courses, develop and demonstrate higher order skills, and to apply the gained knowledge.

Management Courses

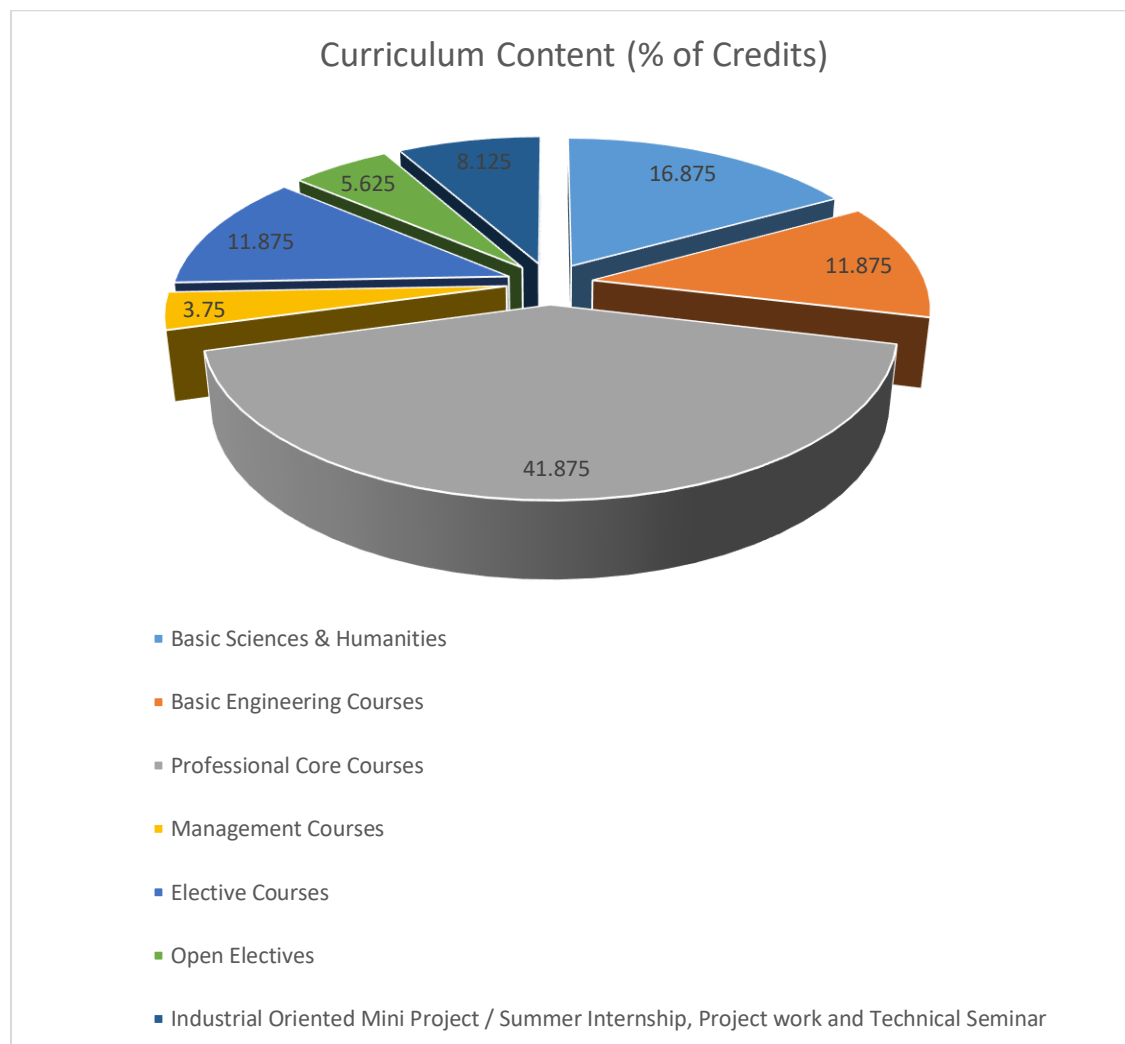
The stream includes courses like Business Economics & Financial Analysis, Organizational Behavior. These are essential to create awareness on Managerial & Entrepreneurial skills.

Elective Courses includes Professional and Open Electives

The stream includes courses like Principles of Programming Languages, Information Retrieval Systems, Software Testing Methodologies, Cloud Computing, Ad-hoc Sensor Networks, Real Time Systems, Cyber forensics, Distributed Systems.

Table: Various streams of program curriculum

S.No	Streams	Curriculum Content (Number of Credits)	Curriculum Content (% of Credits of the Program)	POs	PSOs
1.	Basic Sciences & Humanities	27	16.875	1,2,6,7,8	3
2.	Basic Engineering Courses	19	11.875	1,2,3,4,5,12	1,2,3
3.	Professional Core Courses	67	41.875	1,2,3,4,5,12	1,2,3
4.	Management Courses	6	3.75	1,6,7,8,9,10,11,12	3
5.	Elective Courses	19	11.875	1,2,3,4	1,2,3
6.	Open Electives	9	5.625	1,2,3,4	-
7.	Industrial Oriented Mini Project / Summer Internship, Project work and Technical Seminar	13	8.125	1,2,3,4,5,6,7,8,9, 10,11,12	1,2,3
Total		160	100	1,2,3,4,5,6,7,8,9, 10,11,12	1,2,3



CURRICULAR GAPS

The courses and the course content prescribed in the curriculum are mapped to the relevant POs and PSOs through individual course outcomes (COs). Curriculum gaps are identified through consolidation of average CO – PO/PSO mapping of all courses. The identified curricular gaps are as listed below.

Academic Year 2021-2022

S.No	Name Of the Course	GAP Identified	Mapping to POs / PSOs	Propose Action
1	IOT	Need Implementation and Practical Knowledge on IOT.	PO1,PO2,PO4	Workshop
2	Web Technologies	The Syllabus not covered to Connect with Database and JQuery	PO1,PO5	Industrial Visit
3	Python Programming	Need Implementation and Practical Knowledge on Python	PO3,PO4,PO5	Workshop
4	Mobile Computing	To Develop the Applications and Practical Knowledge on Mobile Applications.	PO1, PO3	Industrial Visit
5	Java Programming	Advanced Concepts like Hibernate, Swings and More GUI Components.	PO1, PO5,PO7	Guest Lecture

Academic Year 2020-2021

S.No	Name Of the Course	GAP Identified	Mapping to POs / PSOs	Propose Action
1	Java Programming	Swings and Hibernate	PO1	Workshop
		Connecting client and server	PO5	
2	Design and analysis of algorithms	Application of cook's theorem	PO1,PO5	Guest Lecture
3	Data Structures	The syllabus did not cover the topics B+ trees, splay trees and segment tree programs.	PO1,PO3	Seminar
4	Intellectual Property Rights	Legal rights governing the use of creation of the human mind.	PO1	Seminar
5	Software Engineering	Product Design & Testing	PO3	Seminar
6	Cryptography & Network Security	The syllabus not cover Block Chain Technology.	PO1	Workshop
7	Web Technologies	The syllabus not cover JQuery. The creation of Advanced Web Pages .	PO1,PO5	Industrial Visit
8	Data Mining	The syllabus not cover OLAP operations and Schemas.		Guest Lecture
9	Machine Learning	Hands on experience on Machine Learning algorithms, Data Scientist and knowledge about Mobile Applications.	PO1, PO3	Industrial Visit
10	Basic Electrical Engineering	Need Practical observations on hydro electrical Power.	PO1	Industrial Visit

CSE – Self Assessment Report

Academic Year 2019-2020

S.No	Name Of the Course	GAP Identified	Mapping to POs / PSOs	Proposed Action
1	Compiler Design	The topics not cover in syllabus: 1-Scanner Generator-LEX 2-Parser Generator -YACC	PO1, PO3 PO2,PO3	Guest Lecture
2	Advanced communication skills lab	Personality development	PO1,3 PSO2	Seminar
3	Machine Learning	Support Vector Machine	PO1, PO3	Workshop
4	Cloud Computing	Storage systems and Hypervisor In Ms	PO1, PO2, PO12	Guest Lecture
5	Web Technologies	Structure of Web Architecture, Social Web and Virtual Worlds	PO1, P04, PSO2	Industrial Visit
6	Python Programming	Need of Implementation and Practical knowledge on Python	PO3,PO4,PO5	Workshop

Academic Year 2018-2019

S.No	Name Of the Course	GAP Identified	Mapping to POs / PSOs	Proposed Action
1	Computer Networks	Implementation / Simulation of protocols	PO3,PO4,PO5	Guest Lecture
2	Principle of Programming Languages	Programming linguistics, Evaluation strategies	PO2,PO4 PSO1	Seminar
3	Software Engineering	Real time risk management syllabus is missing	PO1,PO3	Seminar
4	Data Base Management Systems	Distributed database concept, Data mining, ware housing	PO1,PO2	Guest Lecture
5	Computer Graphics	A Hands on experience on Augmented Reality & Virtual Reality	PO1, PO4	Workshop
6	Business Economical & Financial Analysis	Copy right and trade mark	PO1,PO11	Seminar
7	Principle of Entrepreneurship	Role of Universities in fostering entrepreneurship	PO1,PO11	Seminar

2.1.2 State the Delivery Details of the Content beyond the Syllabus for the Attainment of POs and PSOs (10)**INITIATIVES TAKEN TO ADDRESS CURRICULAR GAPS**

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

Guest lectures: Experts from industry and academia are invited to deliver lectures on the latest trends and thrust areas in Computer 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 Computer Science and Engineering.

Internships: Students are encouraged to take-up short-term internships in industries and recognized R&D centers to understand industry practices.

CAYm1: 2021-22

S.No	GAP	Action Taken	Date/ Month/ Year	Resource Person with Designation	% of Students	Relevance to POs , PSOs
1	IOT	Workshop	30/11/2021 & 1/12/2021	Mr.P.Sai Krishna, Sr.Embedded Developer,AVR Research & Development Pvt.Ltd	84%	PO1,PO2,PO4
2	Web Technologies	Industrial Visit	20/11/2021	Mr. Venkatesh Adepu, Senior Software Engineer, SV APPS SOFT SOLUTIONS Pvt. Ltd. , Warangal	93%	PO1,PO5
3	Python Programming	Workshop	24/11/2021 & 25/11/2021	Mr.Annapureddy Naresh	92 %	PO3,PO4,PO5
4	Mobile Computing	Industrial Visit	4/12/2021	Mr.P.Surendra Babu	64%	PO1, PO3
5	Java Programming	Guest Lecture	08/06/2021	Dr.K.Ramasubramnian , Associate	87%	PO1, PO5,PO7

CAYm2: 2020-21

S.No	GAP	Action Taken	Date/ Month/ Year	Resource Person with Designation	% of Stud ents	Relevance to POs , PSOs
1	Swings and Hibernate, Connecting client and server	A two day workshop on Java Programm ing for II year.	08.03.2021 09.03.2021	Dr. K. Rama Subramanian, Associate Professor, KL University, Hyderabad.	85%	PO5
2	Application of cook's theorem	Conducted Guest Lecture on Design and Analysis of Algorithm for III year.	15.03.2021	Dr. Ganti Krishna Sharma, Professor CSE, Ace Engineering College, Hyderabad.	90%	PO1, PO5
3	B+ trees, splay trees and segment tree programs.	Seminar on Data structures for II year.	08.02.2021	Mrs. J. Bhargavi, Assistant Professor, CSE, Anurag College of engineering, Hyderabad.	83%	PO1,PO3
4	Legal rights governing the use of creation of the human mind	Seminar on Intellectual Property Rights for III year.	06.02.2021	Dr. B. Aarthi, Professor, MBA, Samskruti College of Engineering & Technology.	85%	PO1
5	Product Design & Testing	Seminar on	12.12.2021	Mrs. Shajahan	70%	PO3,PO1

		software Engineerin g for III year.		Begum, Assiostant Professor		
6	Block Chain Technology	A two Day workshop conducted on “Block Chain Technolog y” for IV year.	02.02.2021 & 03.02.2021	Mr. Annapureddy. Naresh, Application Engineer, AVR Research & Development Pvt. Ltd., Hyderabad	80%	PO1, PO5
7	JQuery. The creation of Advanced Web Pages.	Organized Industrial visit to “SVAPPS SOFT SOLUTIO NS” on Web Designing Digital Marketing, Mobile Applicatio n Developm ent for III year.	20.11.2021	Mr. Venkatesh Adepu, Senior Software Engineer, SV APPS SOFT SOLUTIONS Pvt. Ltd. , Warangal.	92%	PO1, PO5,PO7
8	The syllabus not cover OLAP operations and Schemas	Conducted guest lecture on data mining for IV Year.	28.01.2021	Mr. Rambabu Atmakuri, Associate Professor, CSE, Anurag College of Engineering, Hyderabad.	75%	PO1
9	Hands on experience on Machine Learning	Organized Industrial	04.12.2021	Artificial	60%	PO1, PO3

	algorithms, Data Scientist and knowledge about Mobile Applications.	visit to “ARTIFICIAL PENETRATION SOLUTIONS” for IV year.		Penetration Software Solutions Pvt. Ltd. Hyderabad.		
10	Need Practical observations on hydro electrical	Organized Industrial visit to “TS GENCO(TELANGANA STATE POWER GENERATION CORPORATION LIMITED ” for II year.	19.12.2021	Nagarjuna Sagar Main Power House, Hydro Power Plant, Telangana.	70%	PO1, PO3

CAYm3: 2019-20

S.No	GAP	Action Taken	Date/ Month/ Year	Resource Person with Designation	% of Students	Relevance to POs , PSOs
1	Design and analysis of algorithms	Guest Lecture	10/02/2020	Mr.Rambabu Atmakuri	69%	PO1,PO5
2	Personality development	Conducted Seminar on “Advanced communication Skills- Personality	21.10.2019	Mr. Perla . Vijaya Kumar, Assistant Professor, HITS	75%	PO1,PO2,PSO2

		Development” for III year		College, Hyderabad.		
3	Support Vector Machine	A two Day Workshop on “ Machine Learning Algorithms” for III year	09.03.2020 to 10.03.2020	Mr. Venu Gopal. Senior Application Engineer, Data Point Soft Solutions , Hyderabad	82%	PO1,PO3
4	Storage systems and Hypervisor In Ms	Conducted guest Lecture on “Cloud Computing” for IV year	07.10.2019	Mr. G Ravinder, Assistant Professor, CSE, VMITW, Hyderabad.	75%	PO1,PO2,PO12
5	Structure of Web Architecture, Social Web and Virtual Worlds	Organized Industrial Visit to “SV APPS SOFT SOLUTIONS”, Warangal. For III year	07.03.2020	Mr. Venkatesh Adepu, Senior Software Engineer, SV APPS SOFT SOLUTIONS Pvt. Ltd. , Warangal	85%	PO1,PO4,PSO2
6	Need of Implementation and Practical	A 3-Day workshop on	07.11.2019 to	Mr. Kondal Reddy,	68%	PO1,PO3,PO4,PO5

	knowledge on Python Programming	Python Programming for III and IV year.	09.11.2019	Assistant Software Engineer, MANAC INFOTECH , Pvt. Ltd., Hyderabad		
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CAYm4: 2018-19

S.No	GAP	Action Taken	Date/ Month/ Year	Resource Person with Designation	% of Students	Relevance to POs , PSOs
1	Implementation / Simulation of protocols	A guest lecture on Computer Networks for III year	10.09.2018	Dr. Ganti Krishna Sharma, Professor CSE, Ace Engineering College, Hyderabad.	70%	PO3,PO4,PO5
2	Programming linguistics, Evaluation strategies	Conducted seminar on Principles of Programming languages for III year	22.10.2018	Dr. K. Rama Subramanian, Associate Professor, CSE, Samskruti College of Engineering & Technology,	72%	PO2,PO4,PSO1

				Hyderabad.		
3	Real time risk management	Conducted seminar on Software Engineering for III year	5.11.2018	Dr. S. Jayanthi, Associate Professor, CSE, Samskruti College of Engineering & Technology, Hyderabad	78%	PO1,PO3
4	Distributed database concept, Data mining, ware housing	Conducted Guest Lecture on Data Base Management Systems.	11.03.2019	Mrs. J. Bhargavi, Assistant Professor, CSE, Anurag College of engineering, Hyderabad.	80%	PO1,PO2
5	A Hands on experience on Augmented Reality & Virtual Reality	Conducted A 2-Day workshop on Augment Reality & Virtual Reality for III and IV year	02.11.2018 to 03.11.2018	Mr. Nikhil Sharma, Eduridge India	70%	PO1,PO2
6	Copy right and trade mark	Conducted seminar on copy right & trademark	16.02.2019	Mr. Murali Krishna, Assistant Professor	75%	PO1,PO11
7	Role of Universities in fostering entrepreneurship	Conducted seminar on Principles of Entrepreneurship	19.12.2018	Mrs. K. Veena Sravanthi, Deputy Manager at Global Solutions	68%	PO1,PO11

2.2 Teaching-Learning Process (100)

2.2.1. Describe Processes followed to improve quality of Teaching & Learning (25)

The 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 Lecturers, Industrial Visits and Workshops as per scheduled dates. The staff members and students are adhering 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 below respectively. Lesson plan for each course is designed by the course coordinators adhering to the calendar of events of the Department.

University Academic Calendar 2022-23

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

ACADEMIC CALENDAR 2022-23

B.Tech. I YEAR I & II SEMESTERS

S. No	Description	Duration	
		From	To
1	Commencement of I Semester classwork (including Induction programme)	03.11.2022	
2	1 st Spell of Instructions	03.11.2022	28.12.2022 (8 Weeks)
3	First Mid Term Examinations	29.12.2022	04.01.2023 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before	10.01.2023	
5	2 nd Spell of Instructions	05.01.2023	02.03.2023 (8 Weeks)
6	Second Mid Term Examinations	03.03.2023	09.03.2023 (1 Week)
7	Preparation Holidays and Practical Examinations	10.03.2023	16.03.2023 (1 Week)
8	Submission of Second Mid Term Exam Marks to the University on or before	16.03.2023	
9	End Semester Examinations	17.03.2023	01.04.2023 (2 Weeks)

Note: No. of Working / Instructional Days: 91

II SEM

S. No	Description	Duration	
		From	To
1	Commencement of II Semester classwork	03.04.2023	
2	1 st Spell of Instructions (including Summer Vacation)	03.04.2023	10.06.2023 (10 Weeks)
	Summer Vacation	15.05.2023	27.05.2023 (2 Weeks)
3	First Mid Term Examinations	12.06.2023	17.06.2023 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before	23.06.2023	
5	2 nd Spell of Instructions	19.06.2023	12.08.2023 (8 Weeks)
6	Second Mid Term Examinations	14.08.2023	19.08.2023 (1 Week)
7	Preparation Holidays and Practical Examinations	21.08.2023	26.08.2023 (1 Week)
8	Submission of Second Mid Term Exam Marks to the University on or before	26.08.2023	
9	End Semester Examinations	28.08.2023	09.09.2023 (2 Weeks)

Note: No. of Working / Instructional Days: 90


22/10/22
REGISTRAR

Use of Various instructional methods and pedagogical initiatives

The Faculty are now oriented towards Outcome Based Education (OBE) and are actively utilizing the OBE to cater to the learning needs of students by innovative methods.

The Faculty of Department adapts various innovative Teaching & Learning methodologies to create the best learning environment for students. These methodologies include traditional black board teaching, presentations, video lecturing, collaborative learning methods etc. as given below.

Lecture method and Interactive learning

The Faculty use chalk and board and audio-visual aids in teaching. Students are encouraged to actively interact during the lecture hour by getting the doubts clarified. Further, students are also encouraged to give seminars relevant to the subjects which adds to their presentation skills.

Project-based learning

During IV Year I Semester, the students are encouraged to carry out mini projects and in the II Semester academic projects are executed under the guidance of Faculty.

Computer-Assisted learning

The Department is equipped with sufficient number of computers, LCD projectors, internet facility, application software, system software and printers which are effectively used for teaching and learning. The students are also encouraged to undergo E-learning programs. Faculty members are making effective use of sources like National Programme on Technology Enhanced Learning (NPTEL), internet sources for effective teaching.

Experiential Learning

It is used to stimulate students in igniting and developing their own ideas in a self-directed way.

Each student has to do a Project as part of the curriculum where the student can choose a domain of their interest and implement their innovation. The students are motivated to do industry and research oriented projects.

Content beyond the experiments are assigned to the student to fill the gap between curriculum and industry requirements.

Participative Learning

Industrial / field visits / internship at Industry and/or renowned institutions are mandatory.

Participation in professional societal activities of CSI, etc. are currently mandatory.

Students are involving group discussion and also seminar presentation in very course related topics.

Students are encouraged and presently made mandatory to take Online Courses offered by premier institutions of the country.

Each course handling conducting Quiz, Debate for the sharing of the student technical knowledge.

Industry projects and collaborations are undertaken to enrich students with pre-employment training.

Periodical Guest lectures on topics relevant to employment skills by personnel from respective organizations / industry.

Impact analysis

The following positive outcomes are observed after adopting the above mentioned innovative TLP.
Improved attendance of students for every class.

Improvement in results.

Active participation of students in OBE activities.

Innovative project ideas are derived in class.

Better bonding between students and Faculty.

Appreciation from the parents.

Conduction of Experiments

Curriculum stipulates 2 or 3 laboratory courses per semester from 1st to 7th semester. All laboratories are well equipped with essential hardware, software and instructional manuals. The observation and record books are checked, verified and maintained. Two Faculty members and one instructor are assigned for each lab session.

The following innovative methods are adopted by the Faculty for the Laboratories.

The Laboratories are conducted in session of 3 hours. In each session the Faculty will explain the relative to the experiment to be conducted.

The students will write the complete experiment in the observation book, execute and the results obtained are analyzed.

The executed experiment with theory, procedure, Algorithm/flowchart and output are documented in the record book by the students later.

Viva questions are asked at the end of every laboratory session for better understanding of the experiment.

The Laboratory courses are evaluated by the Faculty based on continuous evaluation and internal test for 25 marks.

Continuous Assessment in laboratory

Continuous assessment system is implemented for assessment of laboratory work. The assessment is done on the basis of student involvement in performing, understanding the experiment and on time submission of laboratory records.

Impact analysis

Improvement in analytical/logical abilities of students.

Improvement in placement.

Able to apply knowledge for implementing academic projects in multidisciplinary environments.

Able to work as an individual or in a team.

Able to comprehend and document the reports.

Methodologies to support slow learners and encourage bright students

The slow learners and advanced learners are identified based on their overall performance in university exams and internal assessment. The mentors regularly monitor the progress of their mentees. The class teachers along with mentors assess the progress of the students after every Internal Assessment (AI) test and the parents are intimated. The process used to identify the slow learners and advanced learners are as follows.

Parameters of Identifying Slow learning levels:

1. Performance in Internal Exams.
2. Interest Level of participating in any given task.
3. Emotional stability.
4. Level of language command.
5. Ability to handle Multi Tasks.

The measures adopted to improve slow learning level:

1. A personal counseling session to increase the morale of the student.
2. Adopting a Target Oriented approach.
3. Adopting more creative methodology while explaining.
4. Adopting a win-win approach in a playful manner.
5. Conducting Basic Level Technical Coaching
6. Appreciating every single achievement.
7. Taking their ideas and implementing them.
8. Conducting Tech Quiz (Basic level).

The above pointers act as a strong guiding force in order to raise students learning bar from slow to advanced one.

Parameters of Identifying Advanced learning levels:

1. Performance in Internal Exams.
2. The interest level of participation in any given task.
3. The ability to handle Multi Tasks.
4. Scanning Leadership Skills
5. Level of Vocabulary.
6. The pace of fluency during public speaking assignments.

The measure adopted to Polish Advanced learning level:

1. Conducting Interactive sessions to know their area of interest.
2. Promoting their Ideas.
3. Conducting Advanced Level Technical Coaching.
4. Conducting sessions on competitive exam preparation.
5. Encouragement on active participation in various tech activities such as Ideathon, Hackathon, Coding Challenge etc.
6. Supporting on paper presentation at different platforms.
7. Organizing Tech Quiz.
8. Conducting Tech Work Shops for a quick brush up.

The above pointers aid in polishing advanced learners' knowledge and skill set.

Student feedback of teaching learning process and action taken

After the 1st internal, all the students are required to undergo filling the online feedback-form to apprise the Faculty on the scale of 1 (low) to 5 (high).

Based on the student's feedback, HOD of the Department and senior Professors will give valuable suggestions to improve the quality of teaching- learning wherever essential.

Faculty development programs are conducted by professional experts to enhance the teaching skills of Faculty.

2.2.2. Quality of Internal Semester Question Papers, Assigns and Evaluation (20)

Continuous Internal Evaluation:

The assessment of the students' performance in each course is based on Continuous Internal Evaluation (CIE). The marks for each of the components of Internal Assessment are fixed as shown in the following Table by the Affiliating University.

S.No	Assessment Component	Marks Allotted	Type of Assessment	Scheme of Examinations
1	Theory	25	Internal Examinations and Continuous Evaluation	Two Mid examinations in each semester shall be conducted for 25 marks each. The duration of examination is for 90 minutes. Average of the two mid examinations shall be considered. The is the split of assessment type i) Subjective Test – 10 Marks ii) Objective Test – 10 Marks iii) Assignment – 5 Marks
2	Practical	25	Internal Examinations and Continuous Evaluation	25 marks are allotted for Internal Lab Exam as per the following i) Internal Exam – 10 Marks ii) Day to Day Evaluation – 15 Marks

In the case of theory subject, the respective faculty handling the subject designs the Subjective, Objective and Assignment Question Paper. In the case of lab examination, the concerned faculty evaluates the Internal Examination and Record Book components. Internal exam papers and Assignment papers are prepared based on desired Course Outcomes by following the Blooms Taxonomy Levels(BTL). The following example illustrates the process of Internal Assessments.

Internal Examinations:

A sample internal question paper mapping each question to the desired Course Outcomes in the case of Theory subjects is illustrated below



SAMSKRUTI COLLEGE OF ENGINEERING & TECHNOLOGY

Kondapur (V), Ghatkesar (M), Medchal Dist.(Old Ranga Reddy Dist.)

III B.TECH I SEM I MID Examinations December 2020

Subject: Web Technologies Branch: CSE Time: 60min Max marks: 10M Date: 29-12-2020

Answer any Two of the following questions:

2*5=10 Marks

Q.No	Question	Marks	CO	BTL
1.	Explain about basic HTML Tags with examples	5	1	1
2.	Write a program in PHP to find out length of the string “ALL ARE TEMPORARY”?	5	2	3
3.	Write the difference between cookies and sessions?	5	3	2
4.	List and explain about XML syntax rules.	5	3	2

A sample of 1st Internal Assessment Examination Paper



SAMSKRUTI COLLEGE OF ENGINEERING & TECHNOLOGY

Kondapur (V), Ghatkesar (M), Medchal Dist.(Old Ranga Reddy Dist.)

III B.TECH I SEM II MID Examinations February 2021

Subject: Web Technologies Branch: CSE Time: 60min Max marks: 10M Date: 26-02-2021

Answer any Two of the following questions:

2*5=10 Marks

Q.No	Question	Marks	CO	BTL
1.	How to handle http request and responses? Explain.	5	3	2
2.	Discuss about Session tracking in Servlet with suitable example	5	3	3
3.	Give a brief note on Anatomy of a JSP page.	5	4	2
4.	Explain about objects, methods and events in JavaScript.	5	4	2

A sample of 2nd Internal Assessment Examination Paper

A sample Assignment question paper mapping each question to the desired Course Outcomes in the case of Theory subjects is illustrated below



SAMSKRUTI COLLEGE OF ENGINEERING & TECHNOLOGY

Kondapur (V), Ghatkesar (M), Medchal (D)

II B.Tech I SEM ASSIGNMENT – I

Subject: Data Structures

Branch: CSE

Max marks: 5

Q.No	Questions	CO	BTL
1	Explain in detail about single linked list, double linked list.	CO 1	2
2	Explain in detail about circular linked list.	CO 1	2
3	Explain about concept of Dictionaries.	CO 2	1
4	Explain in detail about various kinds of hash functions.	CO 3	2

The following illustrates how an internal assessment sheet is evaluated and marks are tabulated.

SAMSKRUTI COLLEGE OF ENGINEERING & TECHNOLOGY
Kondapur Village, Ghatkesar Mandal, Medchal Dist (Old R.R Dist)

ANSWER BOOK FOR MID TERM EXAMINATIONS

Date: 30/12/20

Mid Exam / Lab Examination for ... Semester: II B.Tech Regulation of CSE Course: Branch: python

Name of the Student: Mysha. Manasa

Roll No: 19UI1A0878

Instructions to the students

- Fill all the details neatly and legibly
- Processing of prohibited material or misbehaving with the invigilator / co-students will lead to booking a malpractice case.
- Answers must be written neatly on both sides of the paper.
- Get your own Graph sheets/ Data books/Data Tablets etc.
- It is the responsibility of the student to handover the answer script to the invigilator.

For Examiner use only

Q.No	1	2	3	4	5
a	12	5			
b					
c					
Total					

GRAND TOTAL

In Figures: 10 In Words: One zero

Signature of the Student: [Signature] Signature of the Invigilator: [Signature]

(Start Writing your answers from here)

Q.1) python program to demonstrate the use of try, except, else, raise and finally.

PROGRAM:

```

try:
    Define try block
except:
    Define except block
else:
    Define else block
finally:
    Define finally block

try:
    n1 = float(input("Enter a number:"))
    n2 = float(input("Enter a number:"))
    division = n1/n2
except (ZeroDivisionError, ValueError):
    print("Division by Zero error or, Value Error")
else:
    print("The result of the division is: %f" % division)

```

A sample objective examination sheet that has been evaluated by the internal faculty is shown below.

Code No: CS721PE
SAMSKRUTI COLLEGE OF ENGINEERING AND TECHNOLOGY
Kondapur(V), Chaiteswar (M), Medchal (D)
B.Tech. IV Year I Sem., I Mid-Term Examinations, December – 2020

Subject Name: PYTHON Branch: CSE Date : 28-12-2020 Session: FN
Name: hishu Objective Exam
Hall Ticket No. 17011A0557

Answer All Questions. All Questions Carry Equal Marks. Time: 20 Min. Marks: 10.

I Choose the correct alternative:

- 1) What is the maximum possible length of an identifier?
A. 16 B. 32 C. 64 D. None of these above [d]
- 2) Who developed the Python language?
A. Zim Den B. Guido van Rossum C. Niene Stom D. Wick van Rossum [B]
- 3) In which year was the Python language developed?
A. 1995 B. 1972 C. 1981 D. 1989 [d]
- 4) In which language is Python written?
A. English B. PHP C. C D. All of the above [C]
- 5) Which one of the following is the correct extension of the Python file?
A. .py B. .python C. .p D. None of these [A]
- 6) In which year was the Python 3.0 version developed?
A. 2008 B. 2000 C. 2010 D. 2005 [A]
- 7) What do we use to define a block of code in Python language?
A. Key B. Brackets C. Indentation D. None of these [C]
- 8) Which character is used in Python to make a single line comment?
A. / B. // C. # D. ! [C]
- 9) Which of the following statements is correct regarding the object-oriented programming concept in Python?
A. Classes are real-world entities while objects are not real
B. Objects are real-world entities while classes are not real
C. Both objects and classes are real-world entities
D. All of the above [B]
- 10) Which of the following statements is correct in this python code?
1. class Name:
2. def __init__(self, point):
3. self.javatpoint = java
4. name1 = Name("ABC")
5. name2 = name1
A. It will throw the error as multiple references to the same object is not possible
B. id(name1) and id(name2) will have same value
C. Both name1 and name2 will have reference to two different objects of class Name
D. All of the above [B]

II. Fill in the Blanks

11. An expression is a combination of values, variables, and operators.
12. Python has input function for taking user input.
13. Python has print function to output data to a standard output device.
14. The if statement is used for decision making.
15. Looping allows sections of code to be executed repeatedly under some condition.
16. for statement can be used to iterate over a range of values or a sequence.
17. Sequence is an ordered collection of items.
18. String is a sequence of characters.
19. Tuple is immutable where as list is mutable.
20. Sets is an Object collection of values, Sets are mutable.

Cont...2

2.2.3. Quality of Student Projects (25)

Student Projects:

Every student has to complete two projects during their course. Each student is assigned a Mini (Industry oriented) project at the end of the fourth year first semester and a Main (Major) project during fourth year with stage-1 and stage-2. Students have the freedom to select projects of their choice in consultation with guides. Execution of these projects by themselves goes a long way in developing independent thinking, organizing various elements of work in the project and finding solutions to problems they face. These projects inculcate creativity and innovative thinking and help students to transform in to life-long learners and innovators.

Promotion of Research among Students:

The institution has taken keen interest to promote research culture among students. The steps taken in this regard at the college level are listed below:

Research projects for all students are carried out in the campus or industry to make them more research oriented.

Training programs at different levels are organized to introduce upcoming technologies.

Encouragement of research paper presentations in National and International Seminars/Conferences/Journals.

Personal mentoring and guidance by the research supervisor throughout the research process.

These activities initiated by the college for promotion of research, motivate the students to think independently and go for self-learning and to learn their subjects of interest within the scope and beyond the syllabus.

Procedure for Project Identification:

- Each defined project needs to be from Industry/Research organization/ Government organization/socio-technical issues and according to the need of the hour for solving real life problems.
- Project identification is based on workshop training (on the areas such as: Android, Python, Web Designing, Java Programming concepts, HTML) given to the students, during 2-1, 2-2 and 3-1 semesters. The workshop training is completed by the end of the 3-1 semester followed by the review of the projects by the project identification team, which is formed by the department and which comprises of staff and field representatives. The project identification team will meet annually, at least for 2 times.

The duties of the project Identification team will include:

- Reviewing and selecting real time projects proposed by evaluation committee.
- Reviewing the status of previously selected real time projects.

Project Allocation Methodology

- The project identification team will select real time projects based upon review of the site selection reports like project complexity, time line etc.

- The students are directed to choose the projects from core domains of curriculum such as Data Mining, Data Science, Big Data, Network Security, Computer Networks, and Cloud Computing etc. and also they are advised to implement the IEEE papers preferably.
- Project has to be carried out by a group of students in order to ensure participation of each student; The group size should be preferably 3 or at least 2 and not more than 4 students.
- Formation of project groups should be done such that each group has representation of students with varying academic merit from best to average i.e., from GROUP-A, GROUP-B and GROUP-C

For example, in a class of 60 students 20 groups are to be formed with at most three students in each group. One from GROUP-A(bright), GROUP-B(Average), GROUP-C(poor). First the list of students in order of their merit is prepared. Students belonging to GROUP-A are considered as group leaders. Any left out student(s) may be assigned to any feasible group.

Types of Projects

- Comprehensive Case Study.
- Field Oriented Analysis and/or Design Problems.
- Management Oriented Study (such as evaluation, estimation, optimization, planning, and management, etc.)
- Any other project work, a project guide may wish to allot to the student.

Process for Monitoring and Evaluation of Mini Project

- Mini Project work will be evaluated for 100 marks at the end of IV Year I Semester.
- The internal evaluation shall be on the basis of two review seminars given by each student on the topic of his/her project.
- The Viva Voce shall be conducted by a committee consisting of HOD, Project Supervisor and one senior faculty member of the Department.

This committee will be responsible for evaluating the timely progress of the projects and communicating the progress report to the students.

Mini Projects for the A.Y 2022-2023

TEAM NO	H.T NO	NAME OF THE STUDENT	GUIDE NAME	PROJECT TITLE	POs AND PSOs
1	19U11A0534	ANNAPUREDDY KEERTHI	MRS. A. RAJINI DEVI	ELECTRICITY BILL WITH EMAIL ALERT	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	19U11A0516	MOHAMMAD NEHA SULTHANA			
	19U11A0523	PINNI THARUNTEJA			
	19U11A0539	M ACHARYA PRADYUMNA			
2	19U11A0510	GANURE SHIVANI	DR.P. SATYANARAYANA	HAND GESTURE RECOGNITION	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	19U11A0524	POIKADI AJAY			
	19W81A0523	SURI LAXMI NARASIMHA ADITYA THARUN			
	19U11A0507	ELLENDULA SUDHAKAR			
3	19U11A0526	RAMIDI SOWMYA	MRS. P.DIVYA	STUDENT GRADES PREDICTION MODEL	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	19U11A0525	PORANDLA UMESH			
	19U11A0548	KEDAR JOSHI			
	19U11A0557	VENKAT YASHWANTH VARDHAN R			
	19U11A0541	S SHIVAMANI			
4	19U11A0512	KANAMATHA REDDY RENUKA	MRS. R. RAMPRIYA	FAKE NEWS DETECTION	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	19U11A0530	UNDADI MOUNIKA			
	19U11A0518	MUTHA VISHNU VARDHAN			
	19U11A0559	YENDULURI KARTHIK CHOWDARY			
5	19U11A0542	VANGALA SAI LAKSHMI MYTHILI	DR.P. SATYANARAYANA	TRAFFIC SIGNAL DETECTION USING VIRTUAL REALITY	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	19U11A0513	KARUMOJU SUSHMITHA			
	19U11A0550	MASUM REJA			
	19U11A0554	SK FARHAD			
	19U11A0560	KATHI SHARANU BASWARAJ			
6	19U11A0505	DARAM ANJALI	MRS. A. RAJINI DEVI	FLIPKART REVIEWS SENTIMENT ANALYSIS	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	19U11A0537	GASHIKANTI SAITEJA			
	19U11A0538	KUNCHARAPU SAI KUMAR			
	19U11A0540	MOTHE SAI KRISHNA			
7	19U11A0522	PAILA SAI KIRAN	MRS. P.DIVYA	OCR WITH BLUR	PO1,PO2,PO3,

CSE – Self Assessment Report

	19U11A0547	KATABATHINI MANOHAR		IMAGES	PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	19U11A0503	BHEEMANATHI SUMANTH KUMAR			
	18U11A0535	DONEPUDI SOMAYAJI KARTHIK			
8	19U11A0520	NAGULA LAHARIKA	MR. K. VAMSHEE KRISHNA	WATER QUALITY ANALYSIS	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	19U11A0551	MEDIPALLY SAI SUBRAMANYAM SHARMA			
	19U11A0506	DHEGE SHUBHAM			
	18U11A0552	MANDA VINAY			
9	19U11A0519	MYLA IDA SOPHIA	MR. CH. MURALI KRISHNA	CAR PRICE PREDICTION MODEL	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	19U11A0556	VALLEPU LAVANYA			
	19U11A0508	G LAVANYA			
	19U11A0552	PANDUGA D NANDA KUMAR			
10	19U11A0529	THIRUVANANTHALWAN RAVALI	MR. K. VAMSHEE KRISHNA	BOOK RECOMMENDATION SYSTEM	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	19U11A0521	NARLA PRASHANTH			
	19U11A0502	ARE SANDEEP			
	20U15A0506	GAVVALA SAI KRISHNA			
11	20U15A0501	CHENNOJU SRAVANI	MRS. A. RAJINI DEVI	GOOGLE SEARCH ANALYSIS	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	19U11A0501	SHARMA AMRIT			
	20U15A0502	CHINTHAPANTI ESHWAR YADAV			
	19U11A0514	M KOUSHIK			
12	19U11A0504	BOMMA PRASHANTH	MR. V. PRANAY	EMAIL SPAM DETECTION	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	19U11A0545	K AHKILA			
	20U15A0503	KUNSOTH VENKATESH			
	19U11A0544	JAIDI MUKESH REDDY			
13	19U11A0535	DADHICH SUNIL KUMAR	MR. V. PRANAY	DISEASE DETECTION USING MRI SCANNING	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	19U11A0555	VADLAKONDA SARITHA			
	19U11A0549	KODAMASIMHAM SAI JITENDRA			
	18U11A0536	ERAGANABOEINA SAI TARUN			
14	20U15A0504	NAGAYAPALLY SANDHYA RANI	MRS. P.DIVYA	GOLD PRICE PREDICTION	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	19U11A0509	GAJEWELL KEERTHANA			
	19U11A0543	GANTA SATYA SUBRAMANYAM			
	19U11A0531	VALMIKI MADHAVA NAIDU			
15	19U11A0515	MANIKBANDAR	MR. V. PRANAY	IPL ANALYSIS	PO1,PO2,PO3,

		BHUVANESH		USING PYTHON	PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	19U11A0533	YASWANTH CHANUMOLU			
	19U11A0532	VINUKONDA VIJAY KUMAR			
	19U11A0558	YEKA DHAN KARTHIK			
16	19U11A0517	MUSTYALA SRINIDHI	MR. K. VAMSHEE KRISHNA	NETFLIX STOCK PRICE PREDICTION	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	19U11A0511	GUBBALA JASHVANTHI PRIYANKA			
	19U11A0546	KASHIREDDY SAGAR REDDY			
	19U11A0553	SAAHIL SHARMA			
17	19U11A0528	SIDDAVATHULA SHRUTHI	DR.P. SATYANARAYANA	INSTAGRAM REACH ANALYSIS AND PREDICTION	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	19U11A0536	DANTHURI UDAY KUMAR			
	20U15A0505	RATHNAPURAM VASU			
	19U11A0527	SHIVANURI KISHORE			

Mini Projects for the A.Y 2021-2022

TEAM NO	H.T NO	NAME OF THE STUDENT	GUIDE NAME	PROJECT TITLE	POs AND PSOs
1	18U11A0503	B AMULYA SREE	Mr. K VAMSHEE KRISHNA	Use of Artificial Neural Networks to Identify Fake Profiles.	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	18U11A0548	SINGATHI KAVYA SRI			
	18U11A0519	MOLLALA SANTHOSH REDDY			
	19U15A0504	GUNDAVENI SAI KUMAR			
2	18U11A0506	BOPPARAM SAMPADA	Mrs. P. YAMUNA	Covid-19 future forecasting using Supervised Machine Learning Modules.	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	18U11A0542	BEJJANKI SUMITH			
	18U11A0533	CHINTA PRASANNA			
	18C21A0555	KAUSHIK SWAIN			
3	18U11A0508	CHEKKARA SHRIJANI	Mr. CH . MURALI KRISHNA	Comparision of Machine Learning algorithms for predicting Crime hotspots.	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	19U15A0501	ANNAM VISHAL			
	18U11A0530	VEDEPU SAHITHI			
	19U15A0505	PALLAPU ARUNKUMAR			
	16U15A0501	ERUPULA RAJU UDAYKIRAN			
4	18U11A0512	GUNDARAPU DEEPTANSHU REDDY	Mrs. G L N TRIPURA	Cartoon of an Image.	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12
	18U11A0515	K L SANDEEP SAI			
	18U11A0525	SIRIMALLE RUTHWIK			

CSE – Self Assessment Report

	18U11A0547	PAGILLA PRAVEEN REDDY			PSO1,PSO2,PSO3
5	18U11A0520	NAVAK MOUNIKA	Mr. K VAMSHEE KRISHNA	Suspicious activity Detection.	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	18U11A0516	KALIDINDI VAMSI KRISHNA			
	18U11A0513	GURRAM SREENATH			
	15U11A0552	BHUKYA HEMANTH NAIK RATHOD			
	16U15A0506	RAPOLU SRI KANTH REDDY			
6	18U11A0523	PRATIBHA SINGH	Mr. K VAMSHEE KRISHNA	Stress Detection in IT Professionals by Image processing and Machine Learning	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	18U11A0509	CHERUKUMILLI SURYA PRAJWAL			
	18U11A0510	GARA SANNIHITHA			
	18U11A0502	APPANI SHOUNAK			
7	18U11A0526	SURENDRAN PRASHANT	Mrs. P. YAMUNA	Reselling Car price predictions using ML Techniques.	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	18U11A0550	V AJAY			
	18U11A0551	V NAVEEN			
	19U15A0507	MAMILLAPALLY VENKATA UDAY KUMAR			
8	18U11A0527	SURKANTI SOWMYASREE REDDY	Mr. CH . MURALI KRISHNA	Fake News Detection with Deep Diffusive Neural Network.	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	18U11A0521	PARKIBANDA S VARSHITHA			
	18U11A0505	BATHINI ARIHANT MADHAV REDDY			
	16U11A0508	CHITNENI NIKHIL			
9	18U11A0528	TALLAPRAGADA SUMANVITA	Mr. V. PRANAY	Artificial Intellingence & Covid-19 Deep Learning Approaches for Diagonsis & Treatment.	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	18U11A0511	GOUTI SUSHMA			
	18L71A0503	MD SAMER			
	17U11A0505	BANDI SHIREESHA			
10	18U11A0532	B REVANTH	Mrs. G L N TRIPURA	Vechile Number Plate Detection using OCR.	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	19U15A0506	KONNOJU VINAYKUMAR			
	18U11A0517	LENKALA DINESH KUMAR			
	19U15A0508	MORUPUTALA HARSHA VARDHAN			
11	18U11A0537	GADDIPATISANDH YA RANI	DR. P. SATYANARAYA NA	Driver Drowsiness Detection System.	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	18U11A0507	BUDDAMOLLA RATNAKAR REDDY			
	18U11A0504	BANDI NIRISHA			
	18C21A0566	VANTALA SHIVA PRASAD			
12	18U11A0539	NITHYA THAKUR	DR. P. SATYANARAYA NA	Bird Species Identification using Deep Learning.	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12
	18U11A0531	VELPURI SAI VISHWANATH			
	18U15A0510	YAPARLA SUMANTH REDDY			

	18U11A0541	PALUGULA PRAMODH KUMAR			PSO1,PSO2,PSO3
13	18U11A0540	NITIN RAJ THUMMA	Mr. V. PRANAY	Emotion based Music Recommendation system using wearable Physiological Sensors.	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	18U11A0522	PRATHI SAI BHARGAV			
	17U11A0510	GOGIKAR SAIKIRAN			
	16U11A0514	G PRANATHI			
14	18U11A0543	D SAI ROHAN	DR. P. SATYANARAYANA	Fake Image Detection	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	18U11A0534	DASARI VIKAS CHANDRA			
	18U11A0501	ABHISHEK THORAT			
	17U11A0540	PRATHAP AKHIL			
15	19U15A0502	DADI YOGITHA	Mrs. P. YAMUNA	Automatic Facial Expression Recognition using features Extraction based on Spatial & Temporal Sequences using CNN, RNN Algorithms.	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	18U11A0546	NALLAM ANUSHA			
	19U15A0503	EGA SURENDER			
	18U11A0514	GYARA MEGHANA			

Mini Projects for the A.Y 2020-2021

TEAM NO	H.T NO	NAME OF THE STUDENT	GUIDE NAME	PROJECT TITLE	POs AND PSO
1	17U11A0501	ATUKULA AKHILA	Ms. P. REGINA	HEALTH CARE APPOINTMENT SYSTEM USING PYTHON AND DJANGO	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	17U11A0503	BACHHU SAMYUKTHA			
	15U11A0551	SALILA PRADHAN			
	166Z1A0501	ABHILASH			
2	17U11A0502	B REVATI BAI-	Mr. K VAMSHEE KRISHNA	PHARMACY MANAGEMENT SYSTEM USING PYTHON AND DJANGO	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	17U11A0518	MYSA MANASA			
	15QN1A0515	MOHAMMAD FASI AHMED			
	16U11A0525	KONENI SAI KIRAN			
3	17U11A0504	BALLA DEEPIKA	Dr. P MEENA KUMARI	MUSIC APPLICATION USING PYTHON AND DJANGO	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	17U11A0522	PANDAVULA SWATHI			
	17U11A0519	NALLA SONY			
	17U11A0508	CHOLLETI SURYA			
4	17U11A0506	BANDI SRAVANTHI-	Mr. P SATYANARAYANA	RENTAL SYSTEM MANAGEMENT USING PYTHON AND DJANGO	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	17U11A0525	SINGAM RAJYALAXMI			
	17U11A0524	S CHATRAPATHI SHIVAJI			
	17U11A0512	KANCHARLA BHARAT REDDY			
5	17U11A0507	CH HEMANTH SAIKUMAR	Mr. A. VINAY KUMAR	A COMPARATIVE STUDY OF	PO1,PO2,PO3, PO4,PO5,PO6,

CSE – Self Assessment Report

	17U11A0528	TALLAPALLI MANASA		MACHINE LEARNING TECHNIQUES FOR SENTIMENT ANALYSIS	PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	17U11A0535	D S AMIT KUMAR			
	17U11A0517	MANCHOJU SAI NARESH			
6	17U11A0509	GADDAM KARTHIK REDDY	Dr. G. RADHA DEVI	PREDICTIVE COVID-19 IN USING AI MODEL	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	17U11A0530	VANGA MALLIKA			
	17U11A0544	VELLANKI YASWANTH			
	17U11A0523	PULLA ANAND VARDHAN			
7	17U11A0511	I SAI PRASANNA KUMAR	Mr. P. MURALI KRISHNA	CRYPTO CURRENCY PRICE ANALYSIS WITH ARTIFICIAL INTELLIGENCE	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	17U11A0531	YENNETI VENKATA DAMODAR			
	17U11A0553	TELUGU KOMARA MONU NAVEEN KUMAR			
	17U11A0529	VANAM SRIKANTH			
8	17U11A0513	KOSURU SOWMYA	Mrs. P. YAMUNA	BLOG WEB APPLICATION USING PYTHON AND DJANGO	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	17U11A0546	ANNEPU REVATHI			
	18U15A0507	TANNERU ANITHA			
	17U11A0533	AKULA LAYASREE			
9	17U11A0516	M DURGA PRASAD	Mr. P. SATYANARAYANA	TRAFFIC PREDICTION FOR INTELLIGENT TRANSPORTATION SYSTEM USING MACHINE LEARNING	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	17U11A0548	GURRALA KEERTHI REDDY			
	17U11A0537	KAUSHAL KUMAR JHA			
	17U11A0538	KESHAV NIRUPAMA			
10	17U11A0521	PADALA KAVITHA-	Ms. P. REGINA	INFORMATION RETRIEVAL RANKING USING MACHINE LEARNING TECHNIQUES	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	17U11A0552	M M GOUTHAMI			
	18U15A0502	BOKKA SHIVANI			
	17U11A0539	KUPPURAO VINAY ANAND			
11	17U11A0536	ERRA HARATHI-	Dr. G. RADHA DEVI	AUTONOMOUS MACHIN LEARNING MODELLING USING TASK ONTOLOGY	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	17U11A0557	VISHAKA SHARMA			
	17U11A0526	SOMA LAXMI			
	17U11A0547	BAYYAPUNEEDI M S S KIRANMAYI			
12	17U11A0549	KASAM MANOJ-	Mr. A. VINAY KUMAR	RAINFALL PREDICTION USING MACHINE LEARNING ALGORITHMS	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	18U15A0501	BEJAWADA SAI BHARGAV KUMAR			
	17U11A0527	SONALI VISHWAKEERTH			

	17U11A0555	TIRUPATHI BHARGAV DUTT			
13	17U11A0514	M SHEETAL	Dr. P. MEENA KUMARI	AIRLINE BOOKING SYSTEM USING PYTHON	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	18U15A0504	KUDIKALA SAI KRISHNA			
	17U11A0532	AGARWAL YASH KUMAR			
	17U11A0556	UPPULURI ROHIT KUMAR			
14	18U15A0508	VANAKALLA ROJA	Mr. K. VAMSHEE KRISHNA	ONLINE FOOD DELIVERY USING PYTHON AND DJANGO	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	18U15A0505	MOHAMMAD ALI			
	18U15A0503	HANUMANTHAGARI NIKHIL RAJ			
	15U15A0508	MD MEERA HUSSAIN			
15	18U15A0509	KUMAR SHANKAR NARAYANAN	Mrs. P. YAMUNA	BLOOD BANK MANAGEMENT	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	18U15A0506	SYEDA HEENA FATIMA			
	17U11A0543	VARIGANTI NIKITHA			

Process for Monitoring and Evaluation for Major Project

1. Project stage-1 will be evaluated for 100 marks at the end of fourth year first semester. Out of that 25 marks are for internal evaluation and 75 marks for the end semester examination with the internal committee.
2. The internal evaluation shall be on the basis of two review seminars given by each student on the topic of his/her project.
3. The Project stage-2 Viva Voce shall be conducted by a committee consisting of HOD, Project Supervisor and an External Examiner nominated by the University for 100 marks at the end of fourth year second semester. Out of that 25 marks are for internal evaluation and 75 marks for the end semester examination
4. This committee will be responsible for evaluating the timely progress of the projects and communicating the progress report to the students.

The Final Project Thesis Evaluated Through:

1. Seminar (midway through semester) students share ideas about own projects (15%).
2. Seminar (towards end of semester) presentation of result (15%) and demonstration (20%).
3. Formal Report (50%)

Process to Assess Individual and Team Performance

1. The internal evaluation shall be made by the departmental committee, on the basis of two review seminars given by each student on the topic of her project.
2. In case it is observed that any student/group of students is not performing well, special care is taken to improve their performance by means of counseling.

Quality of Completed Projects/Working Prototypes:**Quality Measuring Factors:**

F1: Presentation Standards

F2: Final Report (Documentation).

F3: Impact of project on Environment and sustainability.

F4: Impact of project on Human Safety and security.

F5: Impact of project on ethical principles and commitment to professional ethic and responsibilities and norms of the engineering practice

F6: Type of the project: one from the following:

1. Product
2. Research
3. Application

Major Projects for Academic Year 2021-2022

TEAM NO	H.T NO	NAME OF STUDENT	GUIDE NAME	TITLE	POS AND PSOS
1	18U11A0503	B AMULYA SREE	Mr. K VAMSHEE KRISHNA	Deep Learning for Smartphone-Based Malaria Parasite Detection in Thick Blood Smears	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	18U11A0548	SINGATHI KAVYA SRI			
	18U11A0519	MOLLALA SANTHOSH REDDY			
	19U15A0504	GUNDAVENI SAI KUMAR			
2	18U11A0506	BOPPARAM SAMPADA	DR. M. RAMAKANTH REDDY	Locate, Size and Count: Accurately Resolving People in Dense Crowds via Detection	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	18U11A0542	BEJJANKI SUMITH			
	18U11A0533	CHINTA PRASANNA			
	18C21A0555	KAUSHIK SWAIN			
3	18U11A0508	CHEKKARA SHRIJANI	Mr. CH. MURALI	ANALYZING ASR	PO1,PO2,PO3,

CSE – Self Assessment Report

	19U15A0501	ANNAM VISHAL	KRISHNA	PRETRAINING FOR LOW-RESOURCE SPEECH-TO-TEXT TRANSLATION	PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	18U11A0530	VEDEPU SAHITHI			
	19U15A0505	PALLAPU ARUNKUMAR			
	16U15A0501	ERUPULA RAJU UDAYKIRAN			
4	18U11A0512	GUNDARAPU DEEPTANSHU REDDY	Mrs. A. RAJINI DEVI	An Explainable Machine Learning Framework for Intrusion Detection Systems	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	18U11A0515	K L SANDEEP SAI			
	18U11A0525	SIRIMALLE RUTHWIK			
	18U11A0547	PAGILLA PRAVEEN REDDY			
5	18U11A0520	NAVAK MOUNIKA	Mr. K VAMSHEE KRISHNA	Object Detection from Scratch with Deep Supervision	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	18U11A0516	KALIDINDI VAMSI KRISHNA			
	18U11A0513	GURRAM SREENATH			
	15U11A0552	BHUKYA HEMANTH NAIK RATHOD			
	16U15A0506	RAPOLU SRI KANTH REDDY			
6	18U11A0523	PRATIBHA SINGH	Mr. K VAMSHEE KRISHNA	Machine Learning based Rainfall Prediction	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	18U11A0509	CHERUKUMILLI SURYA PRAJWAL			
	18U11A0510	GARA SANNIHITHA			
	18U11A0502	APPANI SHOUNAK			
7	18U11A0526	SURENDRAN PRASHANT	Mrs. A. RAJINI DEVI	A Multitask Learning Model for Traffic Flow and Speed Forecasting	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	18U11A0550	V AJAY			
	18U11A0551	V NAVEEN			
	19U15A0507	MAMILLAPALLY VENKATA UDAY KUMAR			
8	18U11A0527	SURKANTI SOWMYASREE REDDY	Mr. CH. MURALI KRISHNA	Automatic Keyword and Sentence-Based Text Summarization for Software Bug Reports	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	18U11A0521	PARKIBANDA S VARSHITHA			
	18U11A0505	BATHINI ARIHANT MADHAV REDDY			
	16U11A0508	CHITNENI NIKHIL			
9	18U11A0528	TALLAPRAGADA SUMANVITA	Mr. V. PRANAY	Automating E-governance service with Artificial Intelligence	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	18U11A0511	GOUTI SUSHMA			
	18L71A0503	MD SAMER			
	17U11A0505	BANDI SHIREESHA			
10	18U11A0532	B REVANTH	Mrs. A. RAJINI DEVI	A Supervised Machine Learning Algorithm for Heart-Rate Detection	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12
	19U15A0506	KONNOJU VINAYKUMAR			
	18U11A0517	LENKALA DINESH			

CSE – Self Assessment Report

		KUMAR		Using Doppler Motion-Sensing Radar	PSO1,PSO2,PSO3
	19U15A0508	MORUPUTALA HARSHA VARDHAN			
11	18U11A0537	GADDIPATISANDH YA RANI	DR. P. SATYANARAYANA	An Automated Machine Learning Approach for Smart Waste Management Systems	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	18U11A0507	BUDDAMOLLA RATNAKAR REDDY			
	18U11A0504	BANDI NIRISHA			
	18C21A0566	VANTALA SHIVA PRASAD			
12	18U11A0539	NITHYA THAKUR	DR. P. SATYANARAYANA	Multinational License Plate Recognition Using Generalized Character Sequence Detection	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	18U11A0531	VELPURI SAI VISHWANATH			
	18U15A0510	YAPARLA SUMANTH REDDY			
	18U11A0541	PALUGULA PRAMODH KUMAR			
13	18U11A0540	NITIN RAJ THUMMA	Mr. V. PRANAY	Network Intrusion detection using supervised machine learning technique with feature selection	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	18U11A0522	PRATHI SAI BHARGAV			
	17U11A0510	GOGIKAR SAIKIRAN			
	16U11A0514	G PRANATHI			
14	18U11A0543	D SAI ROHAN	DR. P. SATYANARAYANA	Automatic Keyword Extraction for Text Summarization: A Survey	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	18U11A0534	DASARI VIKAS CHANDRA			
	18U11A0501	ABHISHEK THORAT			
	17U11A0540	PRATHAP AKHIL			
15	19U15A0502	DADI YOGITHA	DR. M. RAMAKANTH REDDY	Diabetes Prediction Using Assembling of Different Machine Learning Classifiers	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	18U11A0546	NALLAM ANUSHA			
	19U15A0503	EGA SURENDER			
	18U11A0514	GYARA MEGHANA			

Major Projects for the A.Y 2020-2021

S.NO	H.T NO	STUDENT NAME	NAME OF THE FACULTY GUIDE	PROJECT TITLE	POS AND PSOS
1	17U11A0501	ATUKULA AKHILA	Mr. K VAMSHEE KRISHNA	Image-Based Plant Disease Detetction A Comparison of Deep Learning and	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12
	17U11A0503	BACHHU SAMYUKTHA			

	15U11A0551	SALILA PRADHAN		Classical.	PSO1,PSO2,PSO3
	166Z1A0501	ABHILASH			
2	17U11A0502	B REVATI BAI	Mrs. P. YAMUNA	Cryptocurrency Price Analysis with Artificial Intelligence.	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	17U11A0518	MYSA MANASA			
	15QN1A0515	MOHAMMAD FASI AHMED			
	16U11A0525	KONENI SAI KIRAN			
3	17U11A0504	BALLA DEEPIKA	Ms. P. REGINA	Scalable Analytics Platform for Machine Learning in Smart Production System.	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	17U11A0522	PANDAVULA SWATHI			
	17U11A0519	NALLA SONY			
	17U11A0508	CHOLLETI SURYA			
4	17U11A0506	BANDI SRAVANTHI	Dr. P MEENA KUMARI	Location prediction on Twitter using machine learning Techniques.	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	17U11A0525	SINGAM RAJYALAXMI			
	17U11A0524	S CHATRAPATHI SHIVAJI			
	17U11A0512	KANCHARLA BHARAT REDDY			
5	17U11A0507	CHHEMANTHSAIKUMAR	Mr. P SATYANARAYANA	Generating Cloud Monitors from Models to Secure Clouds	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	17U11A0528	TALLAPALLI MANASA			
	17U11A0535	D S AMIT KUMAR			
	17U11A0517	MANCHOJU SAI NARESH			
6	17U11A0509	GADDAM KARTHIK REDDY	Mr. P. MURALI KRISHNA	A Study of Block chain Technology in Farmer's Portal.	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	17U11A0530	VANGA MALLIKA			
	17U11A0544	VELLANKI YASWANTH			
	17U11A0523	PULLA ANAND VARDHAN			
7	17U11A0531	YENNETI VENKATA DAMODAR	Mrs. P. YAMUNA	Text Classification on Twitter Data	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12
	17U11A0511	I SAI PRASANNA KUMAR			

	17U11A0553	TELUGU KOMARA MONU NAVEEN KUMAR			PSO1,PSO2,PSO3
	17U11A0529	VANAM SRIKANTH			
8	17U11A0513	KOSURU SOWMYA	Mrs. P. YAMUNA	Content Analysis of Messages in Social Networks, Identification of Suicidal Types.	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	17U11A0546	ANNEPU REVATHI			
	18U15A0507	TANNERU ANITHA			
	17U11A0533	AKULA LAYASREE			
9	17U11A0516	M DURGA PRASAD	Mr. P. SATYANARAYANA	Converging Block chain And Machine Learning For Healthcare	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	17U11A0548	GURRALA KEERTHI REDDY			
	17U11A0537	KAUSHAL KUMAR JHA			
	17U11A0538	KESHAV NIRUPAMA			
10	17U11A0521	PADALA KAVITHA	Ms. P. REGINA	A Corona Recognition Method Based on Visible Light Color and Machine Learning.	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	17U11A0552	M M GOUTHAMI			
	18U15A0502	BOKKA SHIVANI			
	17U11A0539	KUPPURAO VINAY ANAND			
11	17U11A0536	ERRA HARATHI	Mr. K VAMSHEE KRISHNA	Stress Detection in IT Professionals by Image Processing and Machine Learning.	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	17U11A0557	VISHAKA SHARMA			
	17U11A0526	SOMA LAXMI			
	17U11A0547	BAYYAPUNEEDI M S S KIRANMAYI			
12	17U11A0549	KASAM MANOJ	Dr. P MEENA KUMARI	An application of a deep learning algorithm for automatic detection of unexpected accidents under bad CCTV monitoring conditions in tunnels	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	18U15A0501	BEJAWADA SAI BHARGAV KUMAR			
	17U11A0527	SONALI VISHWAKEERTH			
	17U11A0555	TIRUPATHI BHARGAV DUTT			
13	17U11A0514	M SHEETAL	Mr. P. MURALI KRISHNA	Leveraging CNN and Transfer Learning for Vision- based Human Activity	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	18U15A0504	KUDIKALA SAI KRISHNA			

CSE – Self Assessment Report

	17U11A0532	AGARWAL YASH KUMAR		Recognition.	
	17U11A0556	UPPULURI ROHIT KUMAR			
14	18U15A0508	VANAKALLA ROJA	Mr. K. VAMSHEE KRISHNA	Data Analysis by Web Scraping using Python.	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	18U15A0505	MOHAMMAD ALI			
	18U15A0503	HANUMANTHAGARI NIKHIL RAJ			
	15U15A0508	MD MEERA HUSSAIN			
15	18U15A0509	KUMAR SHANKAR NARAYANAN	Dr. P MEENA KUMARI	An Examination System Automation Using Natural Language Processing.	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	18U15A0506	SYEDA HEENA FATIMA			
	17U11A0543	VARIGANTI NIKITHA			

Major Projects for the A.Y 2019-2020

TEAM NO	H.T NO	NAME OF THE STUDENT	GUIDE NAME	PROJECT TITLE	POS AND PSOS
1	16U11A0532	N.A.Aneesh (TL)	Mr. P SATYANARAYANA	Recommendation of Indian cuisine recipes based on ingredients	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	166Z1A0502	Manoj Alladi			
	16U11A0504	Ch.Nikhila Sravani			
	16U11A0520	K.Haripriya			
2	16U11A0510	D.Indra Sena Reddy (TL)	Mr. P SATYANARAYANA	Crypto currency Price Analysis with Artificial Intelligence	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	16U11A0523	K.Hanumantha Reddy			
	16U11A0544	T.Sree Harshini			
	17U15A0503	J.Sowmya			
	15U11A0548	V. Sujith			
3	16U11A0541	Pooja (TL)	MR. V CHANDRASEKHAR	Application of Artificial intelligence systems in the process of crew training	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	16U11A0533	N.Nagalaxami Reddy			
	16U11A0539	P.Omkar Patel			
	16U11A0501	A.Akhil			
4	16U11A0521	K.Sandeep (TL)	Ms.G RADHA DEVI	Generating Cloud Monitors from Models to Secure Clouds	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	16U11A0503	B.Padmini			
	16U11A0506	C.Rachana			
	16U11A0526	K.Kiran kumar			

CSE – Self Assessment Report

5	17U15A0505	T.Sri Krishna (TL)	Mr. RAVIKUMAR CHAWHAN	A comparative study of machine learning and deep learning techniques for sentiment analysis	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	16U11A0527	L.Kavaya			
	166Z1A0518	P.Sai Laxmi Tulasi			
	166U1A0545	T.Pranay Kumar			
6	16U11A0513	E.Pranav (TL)	Mrs. P YAMUNA	Predicting and defining b2b sales and success with machine learning.	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	166Z1A0512	M.Rohitha			
	166Z1A0515	N.Ravali			
	166Z1A0522	V.Ramya			
7	16U11A0524	K.Shireesha Reddy (TL)	Mr. V CHANDRASEKHAR	Converging Block chain and machine learning for Healthcare	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	16U11A0512	D.Bhavya Laxmi			
	16U11A0507	C.Shiva			
	16U11A0538	P.Pavan			
8	16U11A0530	Steve Sujay (TL)	Mr. K VAMSHEE KRISHNA	Toward intelligent Network optimization in wireless networking	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	17U15A0506	T.Madhu			
	17U15A0501	C.Samyuktha			
	17U15A0508	P.Ramya			
9	166Z1A0524	Yash Bung (TL)	Ms. G RADHA DEVI	Django web framework software metrics measurement using Radon and pylint.	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	166U1A0531	M.Archana			
	16U11A0540	P.Dikshitha			
	16U11A0519	K.Hari Karthik			
10	16U11A0535	Neha Thakur(TL)	Mr. S VAMSHI KRUSHNA	Research on application of AI in medical education.	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	16U11A0536	P.Shivani			
	16U11A0502	A.Nikitha			
	17U15A0502	D.Shiva Rama Krishna			
11	17U15A0507	J.Ramya (TL)	Dr. P MEENA KUMARI	Recommender system with artificial intelligence for fitness assistance system	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	166Z1A0513	M.Sandeep			
	166Z1A0509	Ch.Sai Ganesh Goud			
	17U15A0504	R.Akhila			
12	16U11A0517	G.Avinash (TL)	Mr. K VAMSHEE KRISHNA	Machine Learning for Effective Assessment and Prediction of Human Performance in Collaborative Learning Environments	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	16U11A0522	K.Rajitha Chowdary			
	16U11A0529	M.Sainath			
	16U11A0534	N.Spandana			
13	166Z1A0504	B.Akshitha Sai (TL)	Dr. P MEENA KUMARI	Sentimental analysis of book reviews using unsupervised semantic orientation and supervised machine learning approaches	PO1,PO2,PO3, PO4,PO5,PO6, PO7,PO8,PO9, PO10,PO11,PO12 PSO1,PSO2,PSO3
	166Z1A0519	R.Sravani			
	166Z1A0516	N.Naveen Babu			
	166Z1A0521	S.Vivek Reddy			

2.2.4 Initiative related to industry interaction (15)

Industry Supported Laboratories:

The companies that have interfaced with Computer Science and Engineering department interact with the students, familiarizing them about their latest tools and technologies. They also provide the information about the future opportunities for students in the companies. These interactions make the students aware of the current trends of the industry and provide them with exposure to the job opportunities. The department also provides the students with interaction and certification opportunities with Infosys, TCS, Deloitte etc.

The management of Samskruti College of Engineering and Technology has entered into a Memorandum of Understanding (MOU) with several companies.

Incubation Center:

SCET, one of the most forward thinking and innovative educational Institutions, has started an Incubation center in association with the TLC group to enable its students get firsthand experience in entrepreneurship, promote innovation driven activities at the institute and provide comprehensive and integrated range of support including space, mentoring, training programs, networking and an array of other benefits.

To bring this innovative Incubation Center for students, SCET is partnering with TLC Group, an organization committed deeply to help students reach their highest aspirations. The TLC group management team has years of experience working in some of the largest and most successful global organizations.

Memorandum of Understandings:

To strengthen interaction with industries and to keep our students updated with the latest trends in Computer Science and Engineering, the Department has entered into an agreement with the following companies.

List of MOUs for the A.Y 2022-23

Name of the institution/ industry/ corporate house with whom MoU is signed	Year of signing MoU	Duration	List the actual activities under each MOU and web -links year-wise
Technology Learning Centre	2022	1	Mini Projects, Major Projects, Workshops Guest Lecturers, Internships
AVR Research and Development Private Limited	2022	1	Internships, Workshops
Smart Select Solutions	2022	1	Internships

List of MOUs for the A.Y 2021-22

Name of the institution/ industry/ corporate house with whom MoU is signed	Year of signing MoU	Duration	List the actual activities under each MOU and web -links year-wise
Niraja Research & Technologies Private Limited	2021	1	Industrial Training, Internship, Placements
Technology Learning Centre	2021	1	Guest Lecturers, Internships
Sinnovations Pvt., Ltd	2021	1	Internships
Global e-Smart Technologies	2021	1	Internships

List of MOUs for the A.Y 2020-21

Name of the institution/ industry/ corporate house with whom MoU is signed	Year of signing MoU	Duration	List the actual activities under each MOU and web -links year-wise
Niraja Research & Technologies Private Limited	2020	1	Industrial Training, Internship, Placements

Artificial Penetration Software Solutions Pvt Ltd	2020	1	Guest Lecturers, Internships
AVR Research and Development Private Limited	2020	1	Internships
Datapoint Info Solutions	2020	1	Internships
Niraja Research & Technologies Private Limited	2021	1	Industrial Training, Internship, Placements

List of MOUs for the A.Y 2019-20

Name of the institution/ industry/ corporate house with whom MoU is signed	Year of signing MoU	Duration	List the actual activities under each MOU and web - links year-wise
Niraja Research & Technologies Private Limited	2019	1	Industrial Training, Internship, Placements
Artificial Penetration Software Solutions Pvt Ltd	2019	1	Guest Lecturers, Internships

List of MOUs for the A.Y 2018-19

Name of the institution/ industry/ corporate house with whom MoU is signed	Year of signing MoU	Duration	List the actual activities under each MOU and web - links year-wise
Niraja Research & Technologies Private Limited	2018	1	Industrial Training, Internship, Placements
Artificial Penetration Software Solutions Pvt Ltd	2018	1	Guest Lecturers, Internships

2.2.5 Initiative related to industry internship/summer training (15)

Even though the academic course is designed to impart knowledge to students there will be an added advantage if the students are given scope to interact with industries and small scale firms so that they will have an end to end relationship between academic and real time scenarios.

Objectives of Industrial Training:

The objective of conducting industrial training/tours are:

1. Put theories and concepts into practice.
2. Begin to build work related skills required for the business environment through constructive feedback and supervision.
3. Gain additional skills in areas such as communication, team building, problem solving and analytical reasoning.
4. Build valuable networks and contacts for professional development.
5. Gain insights into career options to support choice of specialized field area to build and develop one's career.
6. Students will experience significant improvement in communication skill, team work, critical thinking and problem solving skills after their industrial training.
7. The college has taken a number of initiatives to encourage students to interact with industries through internships, summer training and industry tours.

Table: Industrial Visits

S.No	Academic Year	Visited Company	Location	Date	Students Attended
1.	2022-2023	Artificial Penetration Solutions Pvt ltd	Hyderabad	18.12.2022	59
2.	2021-22	Telangana State Power Generation Corporation Limited	Nagarjuna Sagar Dam	19.12.2021	45
3.	2021-22	Artificial Penetration Software Solutions Private Limited	Hyderabad	04.12.2021	44
4.	2021-22	Svapps Soft Solutions Private Limited	Warangal	20.11.2021	69
5.	2020-21	Svapps Soft Solutions Private Limited	Warangal	14.03.2021	55
6.	2019-20	Svapps Soft Solutions Private Limited	Warangal	07.03.2020	50

Industrial/Internship/Summer Training

The Students have attended an Internship/Summer Training program at Artificial Penetration Software Solutions Pvt Ltd., AVR Research and Development Pvt. Ltd., Pantech E-Learning Pvt. Ltd., Data Point, Millennium InfoTech Pvt., Ltd., etc, where they have gained knowledge in designing and developing software product, that was a hands on experience. After the entire training the students have developed a real time project.

Internship/Summer Training details of Academic Year 2022-2023

S.NO	ROLL NO	ORGANIZATION NAME	DURATION	PROJECT NAME	LOCATION
1	19U11A0535	DRDO	90 Days	Cryptography Using Python Modules For Data Transit	Hyderabad
2	19U11A0534	Technology learning center	45 Days	Electricity Bill Prediction With Email Alert	Hyderabad
3	19U11A0510	Technology learning center	45 Days	Hand Gesture Recognition	Hyderabad
4	19U11A0526	Technology learning center	45 Days	Student Grades Prediction Model	Hyderabad
5	19U11A0512	Technology learning center	45 Days	Fake News Detection	Hyderabad
6	19U11A0542	Technology learning center	45 Days	Real Time Traffic Signs Detection Using Deep Learning	Hyderabad
7	19U11A0505	Technology learning center	45 Days	Flipkart Reviews Sentiment Analysis	Hyderabad
8	19U11A0522	Technology learning center	45 Days	Ocr With Blur Images	Hyderabad
9	19U11A0520	Technology learning center	45 Days	Water Quality Analysis	Hyderabad
10	19U11A0519	Technology learning center	45 Days	Car Price Prediction Model	Hyderabad
11	19U11A0529	Technology learning center	45 Days	Book Recommendation System	Hyderabad
12	20U15A0501	Technology learning center	45 Days	Google Search Analysis	Hyderabad
13	19U11A0504	Technology learning center	45 Days	Email Spam Detection	Hyderabad
14	19U11A0544	Technology learning center	45 Days	Email Spam Detection	Hyderabad
15	20U15A0504	Technology learning	45 Days	Gold Price Prediction	Hyderabad

		center			
16	19U11A0515	Technology learning center	45 Days	IPL Analysis Using Python	Hyderabad
17	19U11A0517	Technology learning center	45 Days	Netflix Stock Price Prediction	Hyderabad
18	19U11A0528	Technology learning center	45 Days	Instagram Reach Analysis And Prediction	Hyderabad
19	19U11A0516	Technology learning center	45 Days	Electricity Bill Prediction With Email Alert	Hyderabad
20	19U11A0524	Technology learning center	45 Days	Hand Gesture Recognition	Hyderabad
21	19U11A0525	Technology learning center	45 Days	Student Grades Prediction Model	Hyderabad
22	19U11A0530	Technology learning center	45 Days	Fake News Detection	Hyderabad
23	19U11A0513	Technology learning center	45 Days	Real Time Traffic Signs Detection Using Deep Learning	Hyderabad
24	19U11A0537	Technology learning center	45 Days	Flipkart Reviews Sentiment Analysis	Hyderabad
25	19U11A0547	Technology learning center	45 Days	Ocr With Blur Images	Hyderabad
26	19U11A0551	Technology learning center	45 Days	Water Quality Analysis	Hyderabad
27	19U11A0556	Technology learning center	45 Days	Car Price Prediction Model	Hyderabad
28	19U11A0521	Technology learning center	45 Days	Book Recommendation System	Hyderabad
29	19U11A0501	Technology learning center	45 Days	Google Search Analysis	Hyderabad
30	19U11A0545	Technology learning center	45 Days	Email Spam Detection	Hyderabad
31	19U11A0555	Technology learning center	45 Days	Disease Detection Using Mri Scanning	Hyderabad
32	19U11A0509	Technology learning center	45 Days	Gold Price Prediction	Hyderabad
33	19U11A0533	Technology learning center	45 Days	IPL Analysis Using Python	Hyderabad
34	19U11A0511	Technology learning center	45 Days	Netflix Stock Price Prediction	Hyderabad
35	19U11A0536	Technology learning center	45 Days	Instagram Reach Analysis And Prediction	Hyderabad
36	19U11A0543	Technology learning center	45 Days	Gold Price Prediction	Hyderabad
37	19U11A0558	Technology learning	45 Days	IPL Analysis Using Python	Hyderabad

		center			
38	19U11A0546	Technology learning center	45 Days	Netflix Stock Price Prediction	Hyderabad
39	20U11A0505	Technology learning center	45 Days	Instagram Reach Analysis And Prediction	Hyderabad
40	19U11A0553	Technology learning center	45 Days	Netflix Stock Price Prediction	Hyderabad
41	19U11A0544	Technology learning center	45 Days	Email Spam Detection	Hyderabad
42	20U11A0502	Technology learning center	45 Days	Google Search Analysis	Hyderabad
43	19U11A0502	Technology learning center	45 Days	Book Recommendation System	Hyderabad
44	19U11A0550	Technology learning center	45 Days	Real Time Traffic Signs Detection Using Deep Learning	Hyderabad
45	19U11A0518	Technology learning center	45 Days	Fake News Detection	Hyderabad
46	19U11A0548	Technology learning center	45 Days	Student Grades Prediction Model	Hyderabad
47	19W81A0523	Technology learning center	45 Days	Hand Gesture Recognition	Hyderabad
48	20U11A0503	Technology learning center	45 Days	Email Spam Detection	Hyderabad
49	19U11A0539	Technology learning center	45 Days	Electricity Bill With Prediction Email Alert	Hyderabad
50	19U11A0507	Technology learning center	45 Days	Hand Gesture Recognition	Hyderabad
51	19U11A0554	Technology learning center	45 Days	Real Time Traffic Signs Detection Using Deep Learning	Hyderabad
52	19U11A0523	Technology learning center	45 Days	Electricity Bill With Prediction Email Alert	Hyderabad
53	19U11A0559	Technology learning center	45 Days	Student Grades Prediction Model	Hyderabad
54	20U11A0506	Technology learning center	45 Days	Book Recommendation System	Hyderabad
55	19U11A0540	Technology learning center	45 Days	Real Time Traffic Signs Detection Using Deep Learning	Hyderabad
56	19U11A0560	Technology learning center	45 Days	Real Time Traffic Signs Detection Using Deep Learning	Hyderabad
57	19U11A0503	Technology learning center	45 Days	Ocr With Blur Images	Hyderabad

58	18U11A0552	Technology learning center	45 Days	Water Quality Analysis	Hyderabad
59	19U11A0532	Technology learning center	45 Days	IPL Analysis Using Python	Hyderabad
60	19U11A0527	Technology learning center	45 Days	Instagram Reach Analysis And Prediction	Hyderabad

Internship/Summer Training details of Academic Year 2021-2022

S.NO	ROLL NO	NAME	DURATION	PROJECT NAME	LOCATION
1	17U11A0510	AVR Research & development pvt.ltd	45 DAYS	Emotion Based Music Recommendation System Using Wearable Physiological Sensors.	Hyderabad
2	17U11A0505	AVR Research & development pvt.ltd	45 DAYS	Artificial Intellingence & Covid-19 Deep Learning Approaches For Diagonsis & Treatment.	Hyderabad
3	18L71A0503	AVR Research & development pvt.ltd	45 DAYS	Artificial Intellingence & Covid-19 Deep Learning Approaches For Diagonsis & Treatment.	Hyderabad
4	18C21A0555	AVR Research & development pvt.ltd	45 DAYS	Covid-19 Future Forecasting Using Supervised Machine Learning Modules.	Hyderabad
5	18C21A0566	AVR Research & development pvt.ltd	45 DAYS	Driver Drowsiness Detection System.	Hyderabad
6	18U11A0501	AVR Research & development pvt.ltd	45 DAYS	Fake Image Detection	Hyderabad
7	18U11A0502	AVR Research & development pvt.ltd	45 DAYS	Stress Detection In IT Professionals By Image Processing And Machine Learning	Hyderabad
8	18U11A0503	AVR Research & development pvt.ltd	45 DAYS	Use Of Artificial Neural Networks To Identify Fake Profiles.	Hyderabad
9	18U11A0504	AVR Research & development pvt.ltd	45 DAYS	Driver Drowsiness Detection System.	Hyderabad
10	18U11A0505	AVR Research & development pvt.ltd	45 DAYS	Fake News Detection With Deep Diffusive Neural Network.	Hyderabad
11	18U11A0506	AVR Research & development pvt.ltd	45 DAYS	Covid-19 Future Forecasting Using	Hyderabad

				Supervised Machine Learning Modules.	
12	18U11A0507	AVR Research & development pvt.ltd	45 DAYS	Driver Drowsiness Detection System.	Hyderabad
13	18U11A0508	AVR Research & development pvt.ltd	45 DAYS	Stress Detection In IT Professionals By Image Processing And Machine Learning	Hyderabad
14	18U11A0509	AVR Research & development pvt.ltd	45 DAYS	Stress Detection In IT Professionals By Image Processing And Machine Learning	Hyderabad
15	18U11A0512	AVR Research & development pvt.ltd	45 DAYS	Cartoon Of An Image	Hyderabad
16	18U11A0514	AVR Research & development pvt.ltd	45 DAYS	Automatic Facial Expression Recognition Using Features Extraction Based On Spatial & Temporal Sequences Using CNN, RNN Algorithms.	Hyderabad
17	18U11A0515	AVR Research & development pvt.ltd	45 DAYS	Cartoon Of An Image	Hyderabad
18	18U11A0517	AVR Research & development pvt.ltd	45 DAYS	Vehicle number plate detection using OCR	Hyderabad
19	18U11A0519	AVR Research & development pvt.ltd	45 DAYS	Use Of Artificial Neural Networks To Identify Fake Profiles.	Hyderabad
20	18U11A0521	AVR Research & development pvt.ltd	45 DAYS	COVID fake news detection using machine learning	Hyderabad
21	18U11A0522	AVR Research & development pvt.ltd	45 DAYS	Emotion Based Music Recommendation System Using Wearable Physiological Sensors.	Hyderabad
22	18U11A0523	AVR Research & development pvt.ltd	45 DAYS	Stress Detection In IT Professionals By Image Processing And Machine Learning	Hyderabad
23	18U11A0525	AVR Research & development pvt.ltd	45 DAYS	Cartoon of an image	Hyderabad
24	18U11A0526	AVR Research & development pvt.ltd	45 DAYS	Reselling car price predictions using ML Techniques	Hyderabad
25	18U11A0527	AVR Research & development pvt.ltd	45 DAYS	COVID fake news detection using machine	Hyderabad

				learning	
26	18U11A0528	AVR Research & development pvt.ltd	45 DAYS	Artificial Intellingence & Covid-19 Deep Learning Approaches For Diagonsis & Treatment.	Hyderabad
27	18U11A0530	AVR Research & development pvt.ltd	45 DAYS	Comparision Of Machine Learning Algorithms For Predicting Crime Hotspots	Hyderabad
28	18U11A0531	AVR Research & development pvt.ltd	45 DAYS	Bird Species Identification Using Deep Learning	Hyderabad
29	18U11A0532	AVR Research & development pvt.ltd	45 DAYS	Vehicle number plate detection using OCR	Hyderabad
30	18U11A0533	AVR Research & development pvt.ltd	45 DAYS	Covid-19 Future Forecasting Using Supervised Machine Learning Modules.	Hyderabad
31	18U11A0534	AVR Research & development pvt.ltd	45 DAYS	Fake Image Detection	Hyderabad
32	18U11A0537	AVR Research & development pvt.ltd	45 DAYS	Driver Drowsiness Detection System.	Hyderabad
33	18U11A0540	AVR Research & development pvt.ltd	45 DAYS	Emotion Based Music Recomendation System Using Wearable Physiological Sensors.	Hyderabad
34	18U11A0541	AVR Research & development pvt.ltd	45 DAYS	Bird Species Identification Using Deep Learning	Hyderabad
35	18U11A0542	AVR Research & development pvt.ltd	45 DAYS	Covid-19 Future Forecasting Using Supervised Machine Learning Modules.	Hyderabad
36	18U11A0543	AVR Research & development pvt.ltd	45 DAYS	Fake Image Detection	Hyderabad
37	18U11A0544	AVR Research & development pvt.ltd	45 DAYS	Automatic Facial Expression Recognition Using Features Extraction Based On Spatial & Temporal Sequences Using CNN, RNN Algorithms	Hyderabad
38	18U11A0545	AVR Research & development pvt.ltd	45 DAYS	cartoon of an image	Hyderabad
	18U11A0546	AVR Research & development pvt.ltd	45 DAYS	Automatic Facial Expression Recognition Using Features Extraction Based On Spatial & Temporal Sequences Using	Hyderabad

				CNN, RNN Algorithms	
39	18U11A0547	AVR Research & development pvt.ltd	45 DAYS	cartoon of an image	Hyderabad
40	18U11A0548	AVR Research & development pvt.ltd	45DAYS	Use Of Artificial Neural Networks To Identify Fake Profiles.	Hyderabad
41	18U11A0550	AVR Research & development pvt.ltd	45DAYS	Reselling car price predictions using ML Techniques	Hyderabad
42	19U15A0501	AVR Research & development pvt.ltd	45DAYS	Comparision Of Machine Learning Algorithms For Predicting Crime Hotspots	Hyderabad
43	19U15A0502	AVR Research & development pvt.ltd	45DAYS	Automatic Facial Expression Recognition Using Features Extraction Based On Spatial & Temporal Sequences Using CNN, RNN Algorithms	Hyderabad
44	19U15A0503	AVR Research & development pvt.ltd	45DAYS	Automatic Facial Expression Recognition Using Features Extraction Based On Spatial & Temporal Sequences Using CNN, RNN Algorithms	Hyderabad
45	19U15A0504	AVR Research & development pvt.ltd	45DAYS	Use Of Artificial Neural Networks To Identify Fake Profiles.	Hyderabad
46	19U15A0505	AVR Research & development pvt.ltd	45DAYS	Comparision Of Machine Learning Algorithms For Predicting Crime Hotspots	Hyderabad
47	19U15A0506	AVR Research & development pvt.ltd	45DAYS	Vehicle number plate detection using OCR	Hyderabad
48	19U15A0507	AVR Research & development pvt.ltd	45DAYS	Reselling car price predictions using ML Techniques	Hyderabad
49	19U15A0508	AVR Research & development pvt.ltd	45DAYS	Vehicle number plate detection using OCR	Hyderabad
50	19U11A0557	AIMWEL TECHNOLOGIES Pvt Ltd	30 DAYS	Data Science	Hyderabad

Internship/Summer Training details of Academic Year 2020-2021

S.N O	ROLL NO	ORGANIZATION NAME	DURATION	PROJECT NAME	LOCATION
1	17U11A0501	Artificial Penetration Software Solution Pvt.Ltd	45 Days	Health Care Appointment System Using Python And Django	Hyderabad
2	17U11A0502	Artificial Penetration Software Solution Pvt.Ltd	45 Days	Pharmacy Management System Using Python And Django	Hyderabad
3	17U11A0504	Artificial Penetration Software Solution Pvt.Ltd	45 Days	Music Application Using Python And Django	Hyderabad
4	17U11A0506	Artificial Penetration Software Solution Pvt.Ltd	45 Days	Rental System Management Using Python And Django	Hyderabad
5	17U11A0507	Artificial Penetration Software Solution Pvt.Ltd	45 Days	A Comparative Study Of Machine Learning Techniques For Sentiment Analysis	Hyderabad
6	17U11A0509	Artificial Penetration Software Solution Pvt.Ltd	45 Days	Predictive Covid-19 In Using Ai Model	Hyderabad
7	17U11A0511	Artificial Penetration Software Solution Pvt.Ltd	45 Days	Crypto Currency Price Analysis With Artificial Intelligence	Hyderabad
8	17U11A0513	Artificial Penetration Software Solution Pvt.Ltd	45 Days	Blog Web Application Using Python And Django	Hyderabad
9	17U11A0516	Artificial Penetration Software Solution Pvt.Ltd	45 Days	Traffic Prediction For Intelligent Transportation System Using Machine Learning	Hyderabad
10	17U11A0536	Artificial Penetration Software Solution Pvt.Ltd	45 Days	Information Retrieval Ranking Using Machine Learning Techniques	Hyderabad
11	17U11A0549 +	Artificial Penetration Software Solution Pvt.Ltd	45 Days	Autonomous Machin Learning Modelling Using Task Ontology	Hyderabad
12	17U11A0514	Artificial Penetration Software Solution Pvt.Ltd	45 Days	Rainfall Prediction Using Machine Learning Algorithms	Hyderabad
13	18U15A0508	Artificial Penetration Software Solution Pvt.Ltd	45 Days	Airline Booking System Using Python	Hyderabad

14	18U15A0509	Artificial Penetration Software Solution Pvt.Ltd	45 Days	Online Food Delivery Using Python And Django	Hyderabad
15	18U11A0520	Millennium Infotech Pvt Ltd	15 Days	Python Programming	Hyderabad
16	18U11A0508	Millennium Infotech Pvt Ltd	15days	Python Programming	Hyderabad

Internship/Summer Training details of Academic Year 2019-20

S.NO	ROLL NO	ORGANIZATION NAME	DURATION	PROJECT NAME	LOCATION
1	16U11A0502	Data Point	45 Days	Intelligent Hospital	Hyderabad
2	16U11A0504	Data Point	45 Days	Empower Illiterate	Hyderabad
3	17U15A0507	Data Point	45 Days	Smart Attendance System Based On Iot Device And Aws	Hyderabad
4	166Z1A0502	Data Point	45 Days	Web Search Engine	Hyderabad
5	17U15A0505	Data Point	45 Days	Split Blood	Hyderabad
6	17U11A0504	Pantech E Learning Pvt.Ltd	30 Days	Ontology-Based Data Access To Big Data	Hyderabad
7	16U11A0530	Pantech E Learning Pvt.Ltd	30 Days	Face Recognition Using Support Vector Machine	Hyderabad

3 COURSE OUTCOMES AND PROGRAM OUTCOMES (120)

Define the Program specific outcomes

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

PSO1	Professional Skills: Understand, analyze and develop software solutions.
PSO2	Advanced Computing Skills: Provide solutions for real world problems with a broad range of programming languages and open source platforms in various computing domains.
PSO3	Interdisciplinary Solutions: Apply standard principles, practices and strategies for software 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)

Note: Number of Outcomes for a Course is expected to be around 6.

Course Name :	C214	Course Year :	2019-2020
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Course Name	Statements
C214.1	Understand the basics of instructions sets and their impact on processor design.
C214.2	Demonstrate an understanding of the design of the functional units of a digital computer system.
C214.3	Evaluate cost performance and design trade-offs in designing and constructing a computer processor including memory.
C214.4	Design a pipeline for consistent execution of instructions with minimum hazards.
C214.5	Recognize and manipulate representations of numbers stored in digital computers

Course Name :	C224	Course Year :	2019-2020
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Course Name	Statements
C224.1	Gain knowledge of fundamentals of DBMS, database design and normal forms.
C224.2	Master the basics of SQL for retrieval and management of data.
C224.3	Be acquainted with the basics of transaction processing and concurrency control.
C224.4	Familiarity with database storage structures and access techniques.
C224.5	To master the basics of SQL and construct queries using SQL.

Course Name :	C311	Course Year :	2020-2021
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Course Name	Statements
C311.1	Able to understand the concept of abstract machines and their power to recognize the languages.
C311.2	Able to employ finite state machines for modeling and solving computing problems.
C311.3	Able to design context free grammars for formal languages.
C311.4	Able to distinguish between decidability and undecidability.
C311.5	Able to gain proficiency with mathematical tools and formal methods.

Course Name :	C3 22	Course Year :	2020-2021
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Course Name	Statements
C322.1	Demonstrate the ability to design a compiler given a set of language features.
C322.2	Demonstrate the the knowledge of patterns, tokens & regular expressions for lexical analysis.
C322.3	Acquire skills in using Lex tool & Yacc tool for developing a scanner and parser.
C322.4	Design and implement LL and LR parsers.
C322.5	Design algorithms to do code optimization in order to improve the performance of a program in terms of space and time complexity.

Course Name :	C4 12	Course Year :	2021-2022
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Course Name	Statements
C412.1	Apply preprocessing methods for any given raw data.
C412.2	Extract interesting patterns from large amounts of data.
C412.3	Discover the role played by data mining in various fields.
C412.4	Choose and employ suitable data mining algorithms to build analytical applications.
C412.5	Evaluate the accuracy of supervised and unsupervised models and algorithms.

Course Name :	C4 22	Course Year :	2021-2022
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Course Name	Statements
C422.1	Students will understand the usage of computers in forensic, and how to use various forensic tools for a wide variety of investigations.
C422.2	It gives an opportunity to students to continue their zeal in research in computer forensics.
C422.3	Understood computer forensics and cybercrimes.
C422.4	Remember the security issues in network layer and transport layer.
C422.5	Know the security principles in the application layer.

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

1. Course Name: C214

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C214.1	3	3	-	-	3	-	2	-	-	-	-	2
C214.2	3	3	-	3	2	-	-	-	-	-	-	-
C214.3	3	3	-	3	2	-	2	-	-	-	-	-
C214.4	3	2	3	2	-	-	2	-	-	-	-	-
C214.5	3	3	3	-	2	-	-	-	3	-	-	-
Average	3.00	2.80	1.20	1.60	1.80	0.00	1.20	0.00	0.60	0.00	0.00	0.40

2. Course Name: C224

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C224.1	2	2	2	-	-	-	-	-	-	-	-	-
C224.2	2	3	1	1	-	-	-	-	-	-	-	-
C224.3	2	2	2	-	1	-	-	-	1	-	-	1
C224.4	2	2	2	-	-	-	-	-	-	-	-	-
C224.5	2	2	2	-	-	-	-	-	-	-	-	-
Average	2.00	2.20	1.80	0.20	0.20	0.00	0.00	0.00	0.20	0.00	0.00	0.20

3. Course Name: C311

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C311.1	3	3	1	1	-	-	-	-	-	-	-	-
C311.2	3	3	2	-	-	-	-	-	-	-	-	-
C311.3	2	3	3	-	-	-	-	-	-	-	-	-
C311.4	1	-	-	2	-	-	-	-	-	-	-	-
C311.5	2	2	-	2	-	-	-	-	-	-	-	-
Average	2.20	2.20	1.20	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

4. Course name: C322

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C322.1	3	2	3	-	-	3	-	-	-	-	-	-
C322.2	3	1	3	2	-	-	-	-	-	-	-	-
C322.3	3	1	2	-	-	-	-	-	-	-	-	-
C322.4	2	1	3	2	-	-	-	-	-	-	-	-
C322.5	3	1	3	2	-	3	-	-	-	-	-	-
Average	2.80	1.20	2.80	1.20	0.00	1.20	0.00	0.00	0.00	0.00	0.00	0.00

5. Course name: C412

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C412.1	3	2	1	1	-	-	-	-	-	-	-	2
C412.2	3	3	2	2	-	-	-	-	-	-	-	2
C412.3	3	2	2	2	-	-	-	-	-	-	-	2
C412.4	3	3	3	3	3	2	-	-	-	-	-	3
C412.5	3	1	1	1	-	-	-	-	-	-	-	2
Average	3.00	2.20	1.60	1.60	0.60	0.40	0.00	0.00	0.00	0.00	0.00	2.20

6. Course name: C422

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C422.1	3	2	1	1	-	-	-	-	-	-	-	2
C422.2	3	3	2	2	-	-	-	-	-	-	-	2
C422.3	3	2	2	2	-	-	-	-	-	-	-	2
C422.4	3	3	3	3	3	2	-	-	-	-	-	3
C422.5	3	1	1	1	-	-	-	-	-	-	-	2
Average	3.00	2.20	1.60	1.60	0.60	0.40	0.00	0.00	0.00	0.00	0.00	2.20

1. Course Name: C214

Course	PSO1	PSO2	PSO3
C214.1	-	-	-
C214.2	2	-	-
C214.3	2	-	2
C214.4	-	-	-
C214.5	-	-	-
Average	0.80	0.00	0.40

2. Course Name: C224

Course	PSO1	PSO2	PSO3
C224.1	-	-	-
C224.2	1	-	-
C224.3	2	-	-
C224.4	-	-	1
C224.5	-	-	-
Average	0.60	0.00	0.20

3. Course Name: C311

Course	PSO1	PSO2	PSO3
C311.1	3	-	-
C311.2	-	2	-
C311.3	1	-	-
C311.4	1	-	-
C311.5	-	-	2
Average	1.00	0.40	0.40

4. Course Name: C322

Course	PSO1	PSO2	PSO3
C322.1	2	-	-
C322.2	-	-	-
C322.3	-	3	-
C322.4	-	-	2
C322.5	-	-	2
Average	0.40	0.60	0.80

5. Course Name: C412

Course	PSO1	PSO2	PSO3
C412.1	-	1	-
C412.2	-	-	-
C412.3	-	-	-
C412.4	-	2	2
C412.5	-	1	-
Average	0.00	0.80	0.40

5. Course Name: C422

Course	PSO1	PSO2	PSO3
C422.1	2	-	-
C422.2	-	2	-
C422.3	1	-	-
C422.4	-	-	-
C422.5	-	-	2
Average	0.60	0.40	0.40

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

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C111	3	3	3	3	3	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C112	3	2	3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C113	3	2	1	0.2	1.2	0.8	PO7	0.6	1.4	0.8	1.6	2
C114	2.8	3	3	1	2	1.8	PO7	PO8	PO9	PO10	PO11	2
C115	1.8	PO2	PO3	PO4	PO5	PO6	PO7	1.6	1.8	1.6	PO11	2.4
C116	3	2	3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C117	1.8	PO2	PO3	PO4	PO5	PO6	PO7	1.6	1.8	1.6	PO11	2.4
C118	3	2	1	PO4	2.6	1.2	PO7	0.6	1.2	1.2	1.4	2
C121	3	3	3	3	3	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C122	2	1.8	1	2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C123	2.6	2.7	2.7	0.2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	0.4
C124	2.8	3	3	1	2	1.8	PO7	PO8	PO9	PO10	PO11	2
C125	2	1.8	1	2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C126	2.4	1.6	1.6	1.2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	0.6
C127	PO1	PO2	PO3	PO4	PO5	PO6	3	2	PO9	PO10	PO11	2
C210	1.8	0.4	PO3	PO4	PO5	2.8	2.2	2	PO9	2	0.6	0.4
C211	2	2	3	2	PO5	PO6	PO7	PO8	PO9	PO10	1	2
C212	2.6	2.4	2.4	2	PO5	PO6	PO7	PO8	1.4	PO10	PO11	PO12
C213	3	3	3	3	3	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C214	3	2.9	1.2	1.6	1.8	PO6	1.2	PO8	0.6	PO10	PO11	0.4
C215	2.6	1	2.4	2.4	2.2	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C216	2	2	3	1	PO5	PO6	PO7	PO8	PO9	PO10	1	2
C217	1.4	0.2	2.4	1.2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12

CSE – Self Assessment Report

C218	3	3	2.4	0.6	1.8	PO6	PO7	0.4	0.4	PO10	PO11	0.8
C219	2.9	2.2	1.8	0.6	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C221	2	1.8	0.4	0.6	PO5	PO6	PO7	PO8	PO9	PO10	PO11	0.4
C222	1.2	2.2	1.2	PO4	PO5	1	PO7	PO8	1.4	PO10	2	PO12
C223	2.6	2.2	2.4	2.6	2.2	PO6	PO7	PO8	PO9	2.6	PO11	1.7
C224	2	2.2	1.8	0.2	0.2	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C225	2.8	1.2	2.8	1.2	PO5	1.2	PO7	PO8	PO9	PO10	PO11	PO12
C226	2.8	2.6	3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C227	3	2.4	2.2	1	2.4	PO6	PO7	PO8	PO9	PO10	1	2.6
C228	2.8	2.2	2.6	PO4	1.2	PO6	PO7	PO8	PO9	PO10	2.6	PO12
Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C229	2	PO2	1	2	PO5	3	3	3	2	2	2	1
C310	1.2	PO2	0.6	1.8	1.4	1.2	1.4	2.6	1.6	2.4	2.4	2.2
C311	2.2	2.2	1.2	1	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C312	1.8	0.8	1.8	1.2	0.6	0.6	PO7	PO8	0.2	0.6	0.8	0.4
C313	1.7	0.8	1.8	0.6	0.2	0.8	PO7	PO8	PO9	0.6	PO11	0.2
C314	2.6	PO2	1.8	1.2	2.6	PO6	PO7	PO8	PO9	PO10	PO11	0.8
C315	2.2	1.4	0.6	PO4	0.4	1.2	PO7	PO8	0.8	PO10	PO11	0.4
C316	1.8	0.4	PO3	1.8	PO5	0.4	PO7	PO8	PO9	0.6	PO11	PO12
C317	1.8	1.2	1.8	1.2	2.2	2	0.8	0.2	0.6	1.6	1.6	0.4
C318	2	1.4	1.8	1.2	2	1.2	PO7	PO8	PO9	1.2	PO11	0.2
C319	1.8	PO2	PO3	PO4	PO5	PO6	PO7	1.6	1.8	1.6	PO11	2.4
C321	3	2.2	1.8	1.8	0.6	0.4	PO7	PO8	PO9	PO10	PO11	2.4
C322	2.4	0.4	PO3	PO4	0.6	PO6	PO7	PO8	PO9	PO10	PO11	2
C323	2.2	2.4	2.2	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1
C324	2.6	2.2	2.4	1.2	0.4	0.4	PO7	PO8	PO9	PO10	PO11	PO12
C325	1.6	1	1	0.4	3	3	2	PO8	PO9	0.8	PO11	PO12
C326	0.6	1	1.2	1	PO5	PO6	PO7	PO8	1.8	1	0.6	2
C327	2.4	1.6	1.8	0.8	1.2	0.4	PO7	PO8	PO9	PO10	PO11	1.2
C328	2.6	0.6	1.2	PO4	0.4	PO6	PO7	PO8	PO9	PO10	PO11	1.4
C329	2.2	2.2	2.4	1.4	1	2	2.8	2.8	PO9	PO10	1	2
C411	2.2	1.8	1.8	1.2	0.8	PO6	PO7	0.6	PO9	0.8	PO11	PO12
C412	3	2.4	1.2	1.8	2.4	0.4	PO7	PO8	PO9	PO10	PO11	1.8
C413	3	2.6	1.2	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12

C414	2.8	1.2	0.6	0.6	0.6	0.6	0.4	0.4	0.4	0.6	1.2	0.4
C415	1.2	PO2	PO3	PO4	PO5	0.8	PO7	0.4	1.6	1	0.4	1
C416	2.6	1.2	2	0.4	1	PO6	PO7	PO8	PO9	PO10	PO11	1.6
C417	2.2	1.4	1.8	1.4	1.4	0.4	PO7	PO8	0.8	1.6	1.6	1.8
C418	1	1.2	PO3	0.2	0.4	PO6	PO7	PO8	PO9	1.4	PO11	2
C419	2.4	2.4	2.8	2	1.8	PO6	PO7	PO8	PO9	PO10	PO11	1.8
C421	0.4	1	1	1	1.6	1.2	1.6	1.6	2.4	1.6	2.8	2.4
C422	2.2	1.4	2.2	1.4	1.8	0.4	1.8	0.6	0.8	2.2	1	2.2
C423	1	0.8	1	1.6	2	0.2	1.2	1.2	1.2	1.8	1.4	1.4
C424	2.4	2.4	2.8	2	1.8	PO6	PO7	PO8	PO9	PO10	PO11	1.8

3.1.3 B Program Level Course-PSO matrix of all courses INCLUDING first year courses

Course	PSO1	PSO2	PSO3
C111	3	PSO2	PSO3
C112	PSO1	PSO2	PSO3
C113	2.2	0.8	PSO3
C114	2	2.8	PSO3
C115	1	PSO2	PSO3
C116	PSO1	PSO2	PSO3
C117	1	PSO2	PSO3
C118	2	2	PSO3
C121	3	PSO2	PSO3
C122	0.6	0.8	PSO3
C123	2.6	0.8	PSO3
C124	2	2.8	PSO3
C125	0.6	0.8	PSO3
C126	2.2	0.8	0.6
C127	PSO1	PSO2	PSO3
C210	1	0.4	0.2
C211	2	2	PSO3
C212	0.6	2.4	2
C213	3	PSO2	PSO3
C214	1.4	PSO2	1.6

C215	0.6	2.4	2
C216	2	2	PSO3
C217	2	1	1.8
C218	2.2	1.4	1
C219	0.8	1.8	0.4
C221	0.6	0.8	0.4
C222	1	0.4	0.6
C223	0.6	0.2	0.2
C224	0.8	0.4	0.6
C225	0.6	0.6	1
C226	0.4	0.8	0.4
C227	0.8	0.4	0.4
Course	PSO1	PSO2	PSO3
C228	1.8	0.8	1
C229	0.8	PSO2	0.4
C310	0.8	PSO2	0.4
C311	1.4	0.4	1.2
C312	1.8	PSO2	1.2
C313	1.8	PSO2	1
C314	1.2	1.8	1.2
C315	3	3	2
C316	1	PSO2	0.4
C317	2.6	PSO2	0.8
C318	2.4	2.2	1.6
C319	1	PSO2	PSO3
C321	1.6	0.4	0.4
C322	0.4	1.2	0.4
C323	2.4	PSO2	PSO3
C324	1.8	PSO2	PSO3
C325	1.6	0.6	1
C326	2	1.6	1.2
C327	1.6	1.4	0.8
C328	2	0.4	PSO3
C329	2.4	1.8	2.2

C411	2.2	0.6	0.8
C412	3	2.4	1.4
C413	2.8	0.8	PSO3
C414	2.8	1.2	0.8
C415	PSO1	PSO2	PSO3
C416	2.4	1	0.8
C417	1.6	1.2	1.2
C418	0.4	0.2	0.8
C419	2.4	2	0.6
C421	1	1	0.6
C422	0.6	2.2	2
C423	PSO1	2	1
C424	2.4	2	0.6

3.2 Attainment of Course Outcomes (50)

3.2.1 Describe the assessment processes used to gather the data upon which the evaluation of Course Outcome is based (10)

The key aspects in Outcome-Based Education (OBE) are the assessment of course outcomes. At the initial stage of OBE implementation, the Course Outcomes (COs) for each course are defined based on the Programme Outcome (POs) and other requirements. At the end of each course, the COs needs to be assessed and evaluated, to check whether it has been attained or not.

Assessment is one or more processes, carried out by the department, that identify, collect, and prepare data to evaluate the achievement of Programme Educational Objectives and Programme Outcomes.

CO Assessment Processes

Assessment tools are categorized into two methods to assess the course outcomes as:

Direct methods and indirect methods.

1. Direct method displays the student's knowledge and skills from their performance in the continuous internal assessment tests, semester examinations, seminars, and class room and laboratory assignments etc. These methods provide a sampling of what students know and/or can do and provide strong evidence of student learning.
2. Indirect method includes student feedback on facilities, learning artifacts and course end survey that reflects the student's learning

Course Outcome is assessed in view of the performance of students in internal assessment, university examination of a Course and Course end survey. Direct assessment contributes 80% and indirect assessment contributes 20%. From direct assessment internal assessment contributes 25% and university assessment contributes 75% to the aggregate attainment of a CO.

Direct Assessment Method**Table: Direct Assessment Tool**

S. No	Direct Assessment	Method Description
1	Internal Assessment Test	The Internal Assessment marks in a theory paper shall be based on two tests generally conducted at the end of 6 and 14 weeks of each semester. At the end of 14th week pre final examination may be conducted. An improvement test may be conducted for the desirous students before the end of the semester to give an opportunity to such students to improve their Internal Assessment Marks. It is a metric to continuously assess the attainment of course outcomes w.r.t Course Objectives. Average of the two tests shall be the Internal Assessment Marks for the relevant subject.
2	Lab Assignments	Lab Assignment can be one of the measuring criteria to mainly assess student's practical knowledge with their designing capabilities. In case of Practical, the internal assessment marks shall be based on the laboratory records and two practical test.
3	Mid Examination	The examination pattern prescribed by the University is strictly followed. Two internal (mid) exams- mid exam 1 & mid exam 2- are conducted and two assignments (1 & 2) are given in each semester. In each of the two exams, each student is evaluated for 25 marks with the following split- up: - Descriptive test with the question paper set by concerned faculty: 10 marks - Objective type test with the question paper set by university: 10 marks - Assignment set by course teacher: 5 marks

4	Theory and Practical Semester End Examination	Semester End Examination (Theory or Practical) are the metrics to assess whether all the course outcomes are attained or not by the course owner. Semester End Examination is more focused on attainment of the course outcomes and uses a descriptive exam.
5	Seminar	The Department selects a senior faculty member as a seminar coordinator. Seminar Coordinator has to sit with other faculty to assess the Technical seminar presentations by students. One seminar presentation per student in the VII semester would be conducted as per the schedule mentioned prior in Time Table. Seminar coordinators follow rubrics, which is set by the department for evaluation of seminar.
6	Project	Project batches are formed as per the instruction given by project coordinators. Synopsis will be submitted to the project coordinators for scrutinizing. Project Batches are allotted to the internal guides based on the specialization and competency skills of the faculties. Each internal guide will continuously monitor their students on a weekly basis to observe the progress of the work. The project guide along with project coordinator conduct 2 project reviews as per the rubrics, which is set by the Department. The Internal Assessment marks are submitted to the Head of Department. The department will encourage students to participate in technical Expo and the project guides motivate and guide the students to publish in standard conference/journal forums.

As per the JNTU regulations, the marks allotted to theory are 25% and practical 25% for internal assessment. The remaining 75% is done at university end assessment. The university end examinations are conducted at a center other than this college. Though the percentage of internal assessment is low, it is to be covering a large number of course objectives. The internal examination and the prescribed marks are to be complied with the regulation. Therefore, the scope for comprehensive assessment is less. In this frame work, the college conducts the components depicted in the above Table.

The internal assessment evaluation is separately compiled and graded to understand the process.

In the present analysis, the attainment levels are expressed in terms of the grades (3, 2 and 1) in accordance with the following rules:

Attainment Level 3: Greater than 60% of the students are scoring more than targeted value which is above the average of each Course Outcome in the internal examination.

Attainment Level 2: Between 50 to 59% of the students are scoring more than targeted value which is above the average of each Course Outcome in the internal examination.

Attainment Level 1: Between 40 to 49% of the students are scoring more than targeted value which is above the average of each Course Outcome in the internal examination.

The same yardsticks are applied to external evaluation. It is based on the results of the Examinations conducted by university at the end of each semester. However, the institute doesn't have access to the answer scripts and evaluation of individual course outcomes is not possible. University authorities provide us with the information on the marks/grades scored by each student in each course. The attainment levels are expressed in terms of the grades (3, 2 and 1) in accordance with the following rules:

Attainment Level 3: Greater than 60% of the students are scoring more than the University average percentage marks or set attainment level in the final examination.

Attainment Level 2: Between 50 to 59% of the students are scoring more than the University average percentage marks or set attainment level in the final examination.

Attainment Level 1: Between 40 to 49% of the students are scoring more than the University average percentage marks or set attainment level in the final examination.

Indirect Assessment**Table: Indirect assessment methods**

S. No	Indirect Assessment	Description
1	Alumni feedback	Collect the various information about program satisfaction and college from the Alumni students.
2	Exit survey	Collect the various information about program satisfaction and college from the final year students.
3	Employer feedback	Collect the various information about the graduate's skills, capabilities and opportunities.
4	Parents feedback	Collect the information about program satisfaction and college from parents.
5	Student feedback	Collect the information about outcome based education in teaching and learning process.

3.2.2 Record the attainment of Course Outcome of all courses with respect to set attainment levels (40)

S.No	Subject Code	Subject Name	CO1	CO2	CO3	CO4	CO5
FIRST SEMESTER							
1	C111	Mathematics - I	1.57	1.58	1.5	1.5	1.38
2	C112	Chemistry	1.56	1.57	1.55	1.55	1.47
3	C113	Basic Electrical Engineering	1.6	1.65	1.6	1.51	1.36
4	C114	Engineering Workshop	2.22	2.21	2.2	2.17	2.07
5	C115	English	1.84	1.83	1.76	1.7	1.62
6	C116	Engineering Chemistry Lab	2.06	2.05	2.06	2.03	1.82
7	C117	English Language and	2.18	2.17	2.15	2.12	1.9

		Communication Skills Lab					
8	C118	Basic Electrical Engineering LAB	2.03	2.03	2.01	1.88	1.63
SECOND SEMESTER							
9	C121	Mathematics - II	1.59	1.57	1.52	1.52	1.32
10	C122	Applied Physics	1.59	1.58	1.57	1.47	1.33
11	C123	Programming for Problem Solving	1.52	1.52	1.5	1.33	1.17
12	C124	Engineering Graphics	1.14	1.57	1.56	1.48	1.29
13	C125	Applied Physics Lab	2.16	2.15	2.04	1.91	1.72
14	C126	Programming for Problem Solving Lab	1.93	2.06	1.93	1.87	1.78
THIRD SEMESTER							
15	C211	Analog and Digital Electronics	1.67	1.58	1.59	1.27	1.51
16	C212	Data Structures	1.6	1.59	1.57	1.43	1.37
17	C213	Computer Oriented Statistical Methods	1.42	1.41	1.35	1.28	1.19
18	C214	Computer Organization and Architecture	1.57	1.56	1.54	1.45	1.34

S.No	Subject Code	Subject Name	CO1	CO2	CO3	CO4	CO5
19	C215	Object Oriented Programming using C++	1.49	1.55	1.49	1.41	1.28
20	C216	Analog and Digital Electronics Lab	2.34	2.33	2.34	2.16	1.95
21	C217	Data Structures Lab	2.19	2.32	2.1	2	2
22	C218	IT Workshop Lab	2.4	2.39	2.4	2.4	2.39
23	C219	C++ Programming Lab	2.36	2.41	2.32	2.32	2.06
FOURTH SEMESTER							
24	C221	Discrete Mathematics	1.7	1.72	1.7	1.58	1.43
25	C222	Business Economics & Financial Analysis	1.62	1.61	1.57	1.52	1.37
26	C223	Operating Systems	1.63	1.65	1.63	1.59	1.44

27	C224	Database Management Systems	1.7	1.69	1.61	1.53	1.27
28	C225	Java Programming	1.66	1.66	1.66	1.55	1.26
29	C226	Operating Systems Lab	2.28	2.25	2.26	2.18	1.96
30	C227	Database Management Systems Lab	2.18	2.17	2.17	2.11	1.99
31	C228	Java Programming Lab	2.19	2.19	2.17	2.07	2.02
FIFTH SEMESTER							
32	C311	Formal Languages & Automata Theory	1.54	1.63	1.54	1.44	1.37
33	C312	Software Engineering	1.49	1.6	1.49	1.41	1.36
34	C313	Computer Networks	1.67	1.71	1.67	1.58	1.5
35	C314	Web Technologies	1.42	1.68	1.42	1.25	1.19
36	C315	Informational Retrieval Systems	1.65	1.64	1.65	1.64	1.56
37	C316	Principles of Programming Languages	1.55	1.72	1.55	1.48	1.4
38	C317	Software Engineering Lab	2.39	2.38	2.3	2.13	2.13
39	C318	Computer Networks & Web Technologies Lab	2.39	2.38	2.38	2.38	2.38
40	C319	Advanced Communication Skills Lab	2.39	2.38	2.2	2.11	2.1
S.No	Subject Code	Subject Name	CO1	CO2	CO3	CO4	CO5
SIXTH SEMESTER							
41	C321	Machine Learning	1.64	1.63	1.53	1.48	1.53
42	C322	Compiler Design	1.6	1.59	1.54	1.38	1.38
43	C323	Design and Analysis of Algorithms	1.58	1.57	1.41	1.49	1.41
44	C324	Software Testing Methodologies	1.68	1.67	1.62	1.56	1.62
45	C325	Disaster Preparedness & Planning Management	1.71	1.7	1.54	1.44	1.54
46	C326	Machine Learning Lab	2.37	2.03	1.96	1.88	1.88
47	C327	Compiler Design Lab	2.37	2.07	1.89	1.81	1.81

48	C328	Software Testing Methodologies lab	2.43	2.42	2.35	2.15	2.15
SEVENTH SEMESTER							
49	C411	Cryptography & Network Security	1.61	1.6	1.61	1.53	1.47
50	C412	Data Mining	1.27	1.94	1.13	1.13	1.13
51	C413	Cloud Computing	1.66	1.7	1.66	1.5	1.36
52	C414	Software Process & Project Management	1.44	1.14	1.13	1.13	1.13
53	C415	Principles of Entrepreneurship	1.66	1.56	1.48	1.33	1.33
54	C416	Cryptography & Network Security Lab	2.36	2.35	2.36	2.25	2.19
55	C419	Project Stage - I	2.28	2.27	2.15	2.15	1.98
EIGHTH SEMESTER							
56	C421	Organizational Behaviour	1.86	1.85	1.85	1.66	1.29
57	C422	Cyber Forensics	1.96	1.95	1.87	1.59	1.42
58	C423	Total Quality Management	1.66	1.66	1.61	1.61	1.28
59	C424	Project Stage - II	2.36	2.35	2.11	2.11	2.11

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

3.3.1 Describe the assessment tools and process used for measuring the attainment of each of the Program Outcomes and Program Specific Outcomes (10)

Assessment tools are categorized into direct and indirect methods to assess the Program Outcomes and Program Specific Outcomes.

1. Direct method displays the student's knowledge and skills from their performance in the continuous assessment tests, end-semester examinations, presentations, and classroom assignments etc. These methods provide a sampling of what students know and/or can do and provide strong evidence of student learning.
2. Indirect methods such as surveys and interviews ask the stakeholders to reflect on students learning. They assess opinions or thoughts about the graduates' knowledge or skills and their valued by different stakeholders.

The program outcomes are assessed with the help of course outcomes of the relevant Courses through direct and indirect methods.

Direct Assessment Method (B1):

Direct Assessment methods are formative as well as summative. It measures are provided through direct examinations or observations of student knowledge or skills against measureable course outcomes. The knowledge and skills described by the course outcomes are mapped to specific problems on internal exams/home assignment/group task. Throughout the semester the faculty records the performance of each student on each course outcome. At the end of the semester students receive grades from external exams.

Calculations are same as that done for CO attainment and carry forwarded here.

S.No	Direct Assessment Method	Description	Frequency of Data Collection
1	Internal Assessment Test	The internal assessment marks for a theory subject shall be based on average of two internal tests marks obtained.	Twice in a Semester
2	Lab Internal Assessment Test	The internal assessment marks for a laboratory shall be based on laboratory reports (Record), conduction of experiments, viva voce and internal test marks obtained.	Before the end of every semester
3	Seminar (Internal Assessment)	The internal assessment marks in the case of seminars in the final year shall be based on the evaluation by a committee comprising of head of the department and senior faculty members as per rubrics prepared.	VII semester
4	Project Stage-1 Viva- Voce (Internal Assessment)	The internal assessment marks in the case of project stage-1 in the final year shall be based on evaluation of two reviews by an internal committee comprising of head of the department, senior faculty members and project guide as per rubrics prepared.	VII semester

5	End Semester Examination-Theory (External Assessment)	Theory examination is focused on attainment of course outcomes through descriptive exams for the respective theory subjects.	End of every semester
6	End Semester Examination-Laboratory (External Assessment)	Practical examination focuses on conduction of experiments and viva-voce for attaining their respective course outcomes.	End of every semester
7	Project Stage-2 (External Assessment)	The external assessment marks in the case of project stage-2 viva-voce in the final year shall be based on evaluation of presentation, project report and execution by a committee comprising of internal and external examiner who is drafted by the University.	VIII Semester

Indirect Assessment Method (B2):

Indirect assessment strategies are implemented by embedding them in

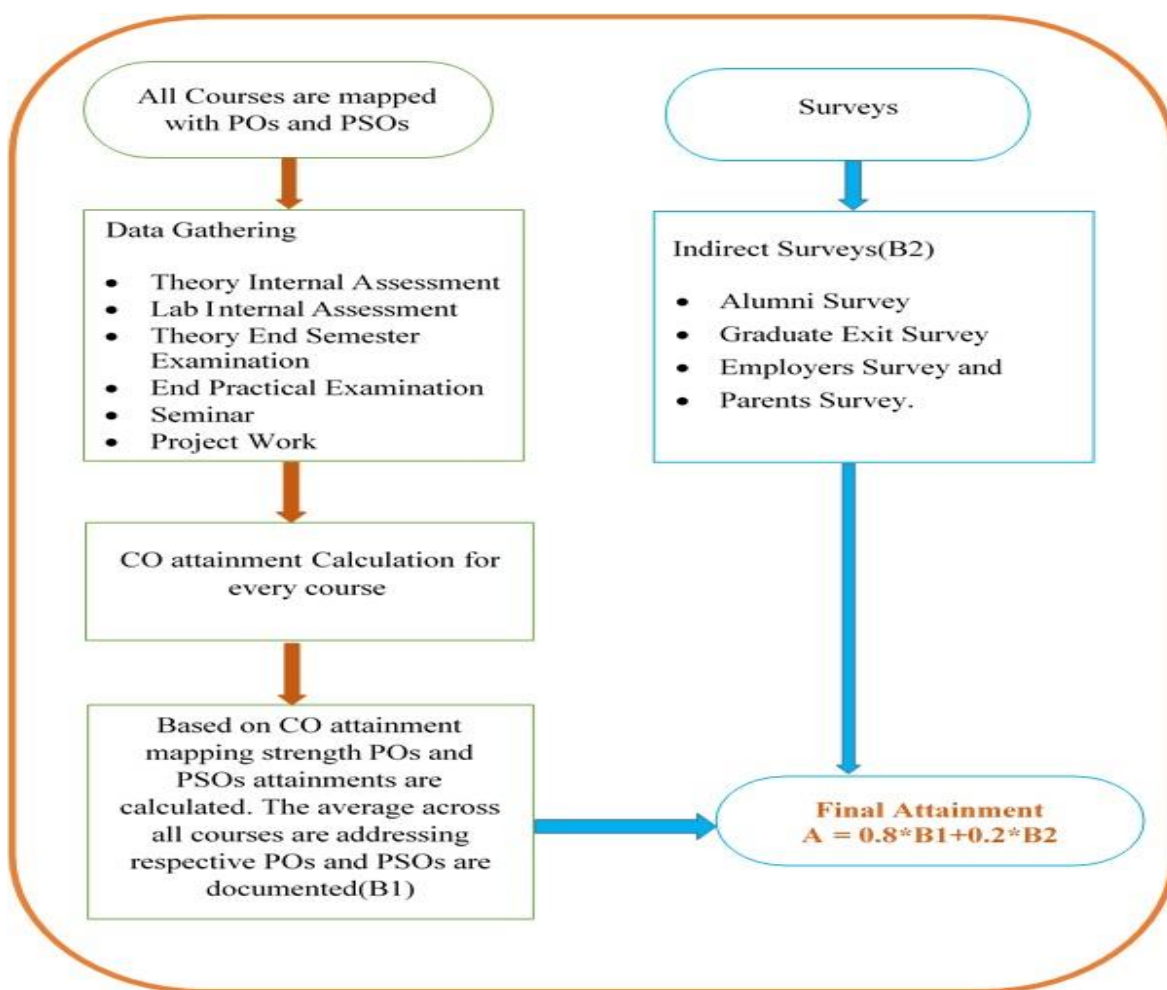
- a) Alumni Survey
- b) Graduate Exit Survey
- c) Employers Survey and
- d) Parents Survey.

The assessment methods and how it is carried is as shown in the below table.

S.No	Direct Assessment Method	Description	Frequency of Data Collection
1	Graduate Exit Survey	To evaluate the success of programme in providing students with opportunities to achieve the programme outcome.	Every Year
2	Parents Survey	Collect variety of information about program satisfaction, from parent's end.	Once in a Year
3	Alumni Survey	Collect variety of information about program satisfaction, from graduate's end	Every Year

4	Employers Survey	Provide information about our graduate's skills and capability.	Every Year
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Process followed for Measuring Attainment of PO & PSO's



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

PO Attainment

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C111	1.5	1.5	1.5	1.5	1.5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C112	1.54	0.82	0.62	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C113	1.54	1.03	0.51	0.09	1.11	0.39	0.3	0.73	0.41	0.82	1.03	PO12
C114	2.03	2.17	2.17	0.72	1.45	1.31	PO7	PO8	PO9	PO10	PO11	1.45
C115	1.04	PO2	PO3	PO4	PO5	PO6	PO7	0.93	1.07	0.93	PO11	1.38
C116	2	1.06	1.34	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C117	1.26	PO2	PO3	PO4	PO5	PO6	PO7	1.11	1.28	1.13	PO11	1.67
C118	1.91	1.28	0.64	0.14	1.64	0.75	PO7	0.37	0.77	0.74	0.91	1.28
C121	1.5	1.5	1.5	1.5	1.5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C122	1	0.92	0.2	0.97	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C123	1.22	1.06	1.06	0.1	PO5	PO6	PO7	PO8	PO9	PO10	PO11	0.17
C124	1.41	1.41	1.41	0.37	0.97	0.84	PO7	PO8	PO9	PO10	PO11	0.94
C125	1.33	1.22	0.26	1.04	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C126	1.53	1.03	1.03	0.36	PO5	PO6	PO7	PO8	PO9	PO10	PO11	0.24
C211	0.85	1.02	1.52	1.02	PO5	PO6	PO7	PO8	PO9	PO10	0.51	1.02
C212	1.02	1.22	1.22	1.01	PO5	PO6	PO7	PO8	0.73	PO10	PO11	PO12
C213	1.07	1.33	1.33	1.33	1.33	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C214	1.2	1.39	0.56	0.81	0.9	PO6	0.61	PO8	0.27	PO10	PO11	0.21
C215	1.06	0.48	1.16	1.16	1.05	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C216	1.2	1.48	2.23	0.74	PO5	PO6	PO7	PO8	PO9	PO10	0.74	1.48
C217	0.88	0.13	1.68	0.81	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C218	1.92	2.4	1.92	0.48	1.44	PO6	PO7	0.32	0.32	PO10	PO11	0.64
C219	1.69	1.67	1.37	0.46	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C221	1.01	0.86	0.23	0.32	PO5	0.11	PO7	PO8	PO9	PO10	PO11	0.23
C222	0.43	1.13	0.61	PO4	PO5	1.53	PO7	PO8	0.69	PO10	1.02	PO12
C223	1.19	1.17	1.27	1.37	1.18	PO6	PO7	PO8	PO9	1.37	PO11	0.74
C224	0.87	1.15	0.93	0.11	0.11	PO6	PO7	PO8	0.11	PO10	PO11	0.11
C225	1.21	0.63	1.45	0.6	PO5	0.58	PO7	PO8	PO9	PO10	PO11	PO12
C226	1.6	1.9	2.18	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C227	1.7	1.69	1.55	0.72	1.69	PO6	PO7	PO8	PO9	PO10	0.72	1.85
C228	1.57	1.71	1.85	PO4	0.85	PO6	PO7	PO8	1.58	PO10	1.84	PO12
C311	1.11	1.12	0.62	0.47	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C312	0.98	0.38	0.89	0.58	0.27	0.27	PO7	PO8	0.11	0.29	0.38	0.19
C313	1.52	0.43	0.95	0.33	0.1	0.45	PO7	PO8	PO9	0.33	PO11	0.11
C314	1.22	PO2	0.86	0.55	1.22	PO6	PO7	PO8	PO9	PO10	PO11	0.38
C315	0.98	0.22	PO3	0.98	PO5	0.22	PO7	PO8	PO9	0.33	PO11	PO12
C316	1.09	0.73	0.29	PO4	0.19	0.6	PO7	PO8	0.42	PO10	PO11	0.2
C317	1.53	0.92	1.36	0.89	1.65	1.5	0.61	0.16	0.44	1.21	1.82	0.3
C318	1.51	1.05	1.34	0.88	1.46	0.9	PO7	PO8	PO9	0.94	PO11	0.3
C319	1.43	PO2	PO3	PO4	PO5	PO6	PO7	1.27	1.43	1.27	PO11	1.9
C321	1.56	1.15	0.93	0.93	0.3	0.2	PO7	PO8	PO9	PO10	PO11	1.14
C322	1.19	0.18	PO3	PO4	0.31	PO6	PO7	PO8	PO9	PO10	PO11	1
C323	1.1	1.2	1.07	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	0.5
C324	1.42	1.19	1.3	0.66	0.22	0.22	PO7	PO8	PO9	PO10	PO11	PO12
C325	0.85	0.53	0.53	0.2	1.58	1.58	1.06	PO8	PO9	0.45	PO11	PO12
C326	0.43	0.71	0.82	0.66	PO5	PO6	PO7	PO8	1.22	0.68	0.38	1.35
C327	1.59	1.09	1.25	0.57	0.83	0.3	PO7	PO8	PO9	PO10	PO11	0.8
C328	1.99	0.46	0.92	PO4	0.29	PO6	PO7	PO8	PO9	PO10	PO11	1.08
C411	0.21	0.32	0.29	PO4	0.2	PO6	PO7	0.32	PO9	PO10	PO11	PO12
C412	0.93	0.9	0.45	0.68	0.9	0.15	PO7	PO8	PO9	PO10	PO11	0.7
C413	1.48	1.36	0.67	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C414	0.89	0.46	0.23	0.23	0.23	0.23	0.15	0.15	0.15	0.23	0.23	0.15
C415	0.5	PO2	PO3	PO4	PO5	0.38	PO7	0.18	0.78	0.45	0.18	0.49
C416	1.99	0.91	0.61	0.3	0.74	PO6	PO7	PO8	PO9	PO10	PO11	1.22
C419	1.29	1.73	2.04	1.44	1.31	PO6	PO7	PO8	PO9	PO10	PO11	1.31
C421	0.25	0.57	0.54	0.6	0.96	0.68	0.86	0.94	1.33	0.89	1.58	1.38
C422	1.13	0.8	1.34	0.79	1.05	0.25	0.89	0.32	0.5	1.3	0.6	1.27
C423	0.43	0.41	0.54	1.17	1.04	0.11	0.63	0.63	0.65	0.96	0.74	0.74
C424	1.3	1.77	2.07	1.49	1.49	PO6	PO7	PO8	PO9	PO10	PO11	1.35

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
CO Attainment	1.59	1.44	1.46	0.98	1.35	1.07	1.11	1.06	1.17	1.24	1.28	1.28
Direct Attainment	1.24	1.05	1.08	0.73	0.94	0.59	0.64	0.57	0.71	0.80	0.85	0.85
Indirect Attainment	3	3	3	2	3	3	3	3	3	3	3	3

PSO Attainment

Course	PSO1	PSO2	PSO3
C111	1.5	PSO2	PSO3
C112	PSO1	PSO2	PSO3
C113	1.12	0.42	PSO3
C114	1.45	1.60	PSO3
C115	0.58	PSO2	PSO3
C116	PSO1	PSO2	PSO3
C117	0.7	PSO2	PSO3
C118	1.28	1.28	PSO3
C121	1.5	PSO2	PSO3
C122	0.3	0.4	PSO3
C123	1.22	0.4	PSO3
C124	0.94	1.01	PSO3
C125	0.4	0.53	PSO3
C126	1.39	0.49	0.36
C211	1.02	1.02	PSO3
C212	0.32	1.21	1.01
C213	1.33	PSO2	PSO3
C214	0.72	PSO2	PSO3
C215	0.3	1.16	0.96
C216	1.48	1.48	PSO3
C217	1.41	0.71	1.29
C218	1.76	1.12	0.8
C219	0.63	1.4	0.32
C221	0.34	0.42	0.21
C222	0.53	0.21	0.29
C223	0.33	0.11	0.11
C224	0.55	0.23	0.28
C225	0.33	0.33	0.49
C226	0.3	0.57	0.29
C227	0.57	0.29	0.27
C228	1.27	0.56	0.72

C311	0.73	0.2	0.6
C312	0.98	PSO2	0.59
C313	0.99	PSO2	0.53
C314	1.02	0.99	1.12
C315	0.55	PSO2	0.22
C316	1.11	1.01	1.02
C317	1.96	0.28	0.61
C318	1.79	1.63	1.19
C319	0.79	PSO2	PSO3
C321	0.84	0.2	0.2
C322	0.2	0.58	0.18
C323	1.2	PSO2	PSO3
C324	0.98	PSO2	PSO3
C325	0.86	0.29	0.49
C326	1.32	1.02	0.75
C327	1.1	0.93	0.57
C328	1.53	0.3	PSO3
C411	1.15	0.31	0.52
C412	1.16	0.9	0.53
C413	1.47	0.4	PSO3
C414	1.12	0.46	0.3
C415	PSO1	PSO2	PSO3
C416	1.84	0.76	0.61
C419	1.31	1.48	0.43
C421	1.5	PSO2	PSO3
C422	PSO1	PSO2	PSO3
C423	0.22	1.15	0.63
C424	1.77	1.49	0.44

PSO Attainment Level

Course	PSO1	PSO2	PSO3
CO Attainment	1.40	1.20	1.05
Direct Attainment	1.00	0.75	0.56
Indirect Attainment	3	3	3

4 STUDENTS' PERFORMANCE (150)

Table 4.1

Item (Information to be provided cumulatively for all the shifts with explicit headings, wherever applicable)	2022-23 (CAY)	2021-22 (CAYm1)	2020-21 (CAYm2)	2019-20 (CAYm3)	2018-19 (CAYm4)	2017-18 (CAYm5)	2016-17 (CAYm6)
Sanctioned intake of the program(N)	120	60	60	60	60	60	60
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)	127	63	45	60	51	60	60
Number of students admitted in 2nd year in the same batch via lateral entry (N2)	-	6	14	6	8	10	8
Separate division students, If applicable (N3)	0	0	0	0	0	0	0
Total number of students admitted in the programme(N1 + N2 + N3)	127	69	59	66	59	70	68

Table 4.2

Year of entry	Total No of students admitted in the program (N1 + N2 + N3)	Number of students who have successfully graduated without backlogs in any semester/ year of study (Without Backlog means no compartment or failures in any semester/ year of study)			
		I year	II year	III year	IV year
2022-23 (CAY)	127				
2021-22 (CAYm1)	69	28			
2020-21 (CAYm2)	59	25	25		
2019-20 (CAYm3)	66	40	45	45	
2018-19 (LYG)	59	35	38	35	35
2017-18 (LYGm1)	70	35	38	35	35
2016-17 (LYGm2)	68	33	37	33	33

Table 4.3

Year of entry	Total No of students admitted in the program (N1 + N2 +N3)	Number of students who have successfully graduated in stipulated period of study) [Total of with Backlog + without Backlog]			
		I year	II year	III year	IV year
2022-23 (CAY)	127				
2021-22 (CAYm1)	69	28			
2020-21 (CAYm2)	59	28	28		
2019-20 (CAYm3)	66	44	47	47	
2018-19 (LYG)	59	38	41	38	40
2017-18 (LYGm1)	70	41	41	41	41
2016-17 (LYGm2)	68	40	40	40	40

4.1 Enrolment Ratio (20)

	N (From Table 4.1)	N1 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2022-23 (CAY)	120	127	105.00
2021-22 (CAYm1)	60	63	105.00
2020-21 (CAYm2)	60	45	75.00

Average [(ER1 + ER2 + ER3) / 3] : 95.00

Assessment: 20.00

4.2 Success Rate in the stipulated period of the program (40)**4.2.1 Success rate without backlogs in any semester / year of study (25)**

Item	Latest Year of Graduation, LYG (2018-19)	Latest Year of Graduation minus 1, LYGm1 (2017-18)	Latest Year of Graduation minus 2 LYGm2 (2016-17)
X Number of students admitted in the corresponding First year + admitted in 2nd year via lateral entry and separated division, if applicable	59	70.00	68.00
Y Number of students who have graduated without backlogs in the stipulated period	35	35.00	33.00
Success Index [$SI = Y / X$]	0.59	0.50	0.49

Average SI [$(SI1 + SI2 + SI3) / 3$] : 0.52

Assessment [$25 * \text{Average SI}$] : 13.16

4.2.2 Success rate in stipulated period (15)

Item	Latest Year of Graduation, LYG (2018-19)	Latest Year of Graduation minus 1, LYGm1 (2017-18)	Latest Year of Graduation minus 2 LYGm2 (2016-17)
X Number of students admitted in the corresponding First year + admitted in 2nd year via lateral entry and separated division, if applicable	59	70.00	68.00
Y Number of students who have graduated in the stipulated period	40	41.00	40.00
Success Index [$SI = Y / X$]	0.67	0.59	0.59

Average SI [$(SI1 + SI2 + SI3) / 3$]: 0.61

Assessment [$15 * \text{Average SI}$] : 9.25

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	CAYm3 (2019-20)	LYG (2018-19)	LYGm1 (2017-18)
Mean of CGPA or mean percentage of all successful students(X)	7.03	6.46	6.68
Total number of successful students(Y)	47	38	41
Total number of students appeared in the examination(Z)	66	59	58
API [$X * (Y/Z)$]	6.41	7.01	6.92

Average API [$(AP1 + AP2 + AP3)/3$] : 6.783

Assessment [$1.5 * \text{Average API}$] : 10.17

4.4 Academic Performance in Second Year (15)

Academic Performance	CAYm2 (2020-21)	CAYm3 (2019-20)	LYG (2018-19)
Mean of CGPA or mean percentage of all successful students(X)	7.13	6.94	6.65
Total number of successful students (Y)	28	47	41
Total number of students appeared in the examination (Z)	55	66	59
API [$X * (Y/Z)$]	3.62	4.94	4.62

Average API [$(AP1 + AP2 + AP3)/3$] : 4.39

Assessment [$1.5 * \text{Average API}$] : 6.59

4.5 Placement, Higher Studies and Entrepreneurship (40)

Item	LYG (2018-19)	LYGm1 (2017-18)	LYGm2 (2016-17)
Total No of Final Year Students(N)	40.00	41.00	40.00
No of students placed in the companies or government sector(X)	30.00	36.00	35.00
No of students admitted to higher studies with valid qualifying scores (GATE or equivalent State or National Level tests, GRE, GMAT etc.) (Y)	2.00	4.00	4.00
No of students turned entrepreneur in engineering/technology (Z)	0.00	1.00	1.00
$x + y + z =$	32.00	41.00	40.00
Placement Index [$(X+Y+Z)/N$] :	0.80	1.00	1.00

Average Placement [$(P1 + P2 + P3)/3$] : 0.93

Assessment [$40 * \text{Average Placement}$]: 37.33

Program Name: Computer Science and Engineering**Placement Details****Assessment Year Name: CAYm1**

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	Abhishek Thorat	18U11A0501	KANERIKA	1382
2	Sai Rohan	18U11A0543	TCS	TCSL/DT20207159236
3	Ms.Pratibha Singh	18U11A0523	TATA	TCSL/DT20218269056
4	Nithin Raj	18U11A0540	CAPEGMINI	666473
5	Cherukumilli Suryaprajwal	18U11A0509	POPCORNAPPS	PopcornApps/HR/App- 0102-146/PCA9000389
6	Vinay Kumar Konnoju	19U15A0506	CIGNITI TECHNOLOGIES	Cigniti Technologies/PT/OID2021
7	Singathi Kavya Sri	18U11A0548	CIGNITI TECHNOLOGIES	Cigniti Technologies/PT/OID2021
8	Bopparam Sampada	18U11A0506	ATOS	ASBE20206550
9	Anusha Nallam	18U11A0546	CAPEGMINI	6438712/1537193
10	Gouti Sushma	18U11A0511	TURING MINDS	24456
11	Prathi Bhargav	18U11A0522	HEXAWARE TECHNOLOGIES	25529
12	B Amulya Sree	18U11A0503	PENTAGON SPACE PVT LTD	25899
13	Sumanvitha	18U11A0528	INNOVAX	INX2586
14	S.Prashanth	18U11A0526	INNOVAX	INX2575
15	N.Mounika	18U11A0520	INNOVAX	INX1856
16	Harshavardhan	19U15A0508	INFOANE	INF2196
17	Gundaveni Sai Kumar	19U15A0504	INFOANE	INF2178
18	Kalidindi Vamsi Krishna	18U11A0516	CGLIA	65589
19	Bandi Shireesha	17U11A0505	INFOANE	INF2175
20	Ratnakar Reddy	18U11A0507	INFOANE	ING2123
21	K.L.Sandeep Sai	18U11A0515	PACKET PREP	QT5756
22	Velpuri Sai Vishwanath	18U11A0531	PACKET PREP	QT5685
23	Bejjanki Sumith	18U11A0542	PACKET PREP	QT5263
24	Dadi Yogitha	19U15A0502	MEDICO	208756
25	Chinta Prasanna	18U11A0533	MEDICO	208598

CSE- Self Assessment Report

26	B.Revanth	18U11A0532	MEDICO	208548
27	Vedepu Sahithi	18U11A0530	CSS CORP	CSS2022875
28	Gurram Sreenath	18U11A0513	CSS CORP	CSS2022784
29	Gara Sanihitha	18U11A0510	CSS CORP	CSS2022456
30	L.Dinesh Kumar	18U11A0517	HEXAWARE TECHNOLOGIES	25586

Assessment Year Name: CAYm2

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	CHATRAPATHI SHIVAJI SAMPATH	17U11A0524	ENTERSOFT	985432/213524
2	ANAND VARDHAN	17U11A0523	SPRUCE	14852962
3	VELLANKI YASHWANTH	17U11A0544	INSPIRE	INS/HYD/20212504
4	SONALI VISHWAKEERTH	17U11A0527	CAPGEMINI	5235115/1169721
5	VISHAKA SHARMA	17U11A0557	COGNIZANT	14716930
6	VINAY ANAND	17U11A0539	GUS EDUCATION	GUSEDU/HYD/280 52021
7	U.ROHIT KUMAR	17U11A0556	TECHNICS	TECH/20210720
8	KAUSHAL KUMAR JHA	17U11A0537	DELOITTE	90202195
9	SAMYUKTHA BACHHU	17U11A0503	DARWINBOX	PTC101793
10	KONENI SAI KIRAN	16U11A0525	TECH MAHINDRA	938123/2165741/PE RMT
11	NIKHIL RAJ	18U15A0503	CORESTACK	CORE/STK/1157
12	VANAM SRIKANTH	17U11A0529	SENTINI GEOSOL(P) LTD	20834195
13	AKULA LAYASREE	17U11A0533	FUJITSU	3B1712C7DCB2414
14	TELUGU KOMARA MONU NAVEEN KUMAR	17U11A0553	COGNIZANT	20559510
15	KEERTHI REDDY GURRALA	17U11A0548	ELK STUDIOS	DEN20220411
16	KUMAR SHANKAR NARAYANAN	18U15A0509	TATA	TCSL/DT202071596 07
17	AGARWAL YASH KUMAR	17U11A0532	BLUEYONDER	SVP/BY/211909
18	SAINARESH MANCHOJU	17U11A0517	ZENSAR	OFL/HR/PUN/ZENS AR/1676614
19	MAGUBEHARA DURGA PRASAD	17U11A0516	LTI	LTI/HR/CAMPUS/E N1/2021
20	KOSURU SOWMYA	17U11A0513	MILLENIUM	ML/HYD/LO/2127

CSE- Self Assessment Report

21	DS AMIT KUMAR	17U11A0535	ADP	ADP127124
22	PADALA KAVITHA	17U11A0521	INNOVACX	ICX096046
23	BAYYAPUNEEDI M S S KIRANMAYI	17U11A0547	ACCENTURE	ACC127421
24	MYSA MANASA	17U11A0518	GLOBAL SMART SOLUTIONS	GEST/HYD/LOA/21 27
25	YENNETI VENKATA DAMODAR	17U11A0531	GLOBAL SMART SOLUTIONS	GEST/HYD/LOA/21 27
26	BALLA DEEPIKA	17U11A0504	ACCENTURE	C20559451
27	KUDIKALA SAI KRISHNA	18U15A0504	ACCENTURE	ACC127421
28	B REVATI BAI	17U11A0502	ACCENTURE	ACC127470
29	BEJAWADA SAI BHARGAV KUMAR	18U15A0501	MILLENIUM	ML/HYD/LO/2140
30	ERRA HARATHI	17U11A0536	INNOVACX	ICX096046
31	KANCHARLA BHARAT REDDY	17U11A0512	ELK STUDIOS	DEN20220415
32	KESHAV NIRUPAMA	17U11A0538	SENTINI GEOSOL(P) LTD	208341114
33	VARIGANTI NIKITHA	17U11A0543	GLOBAL SMART SOLUTIONS	GEST/HYD/LOA/21 35
34	TANNERU ANITHA	18U15A0507	DARWINBOX	PTC101785
35	BOKKA SHIVANI	18U15A0502	SPRUCE	14852969
36	CHOLLETI SURYA	17U11A0508	MILLENIUM	ML/HYD/LO/2145

Assessment Year Name: CAYm3

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	DAGGULA INDRASENA REDDY	16U11A0510	ZEE EXTRAORDINARY	20312101
2	ALLEN AKHIL	16U11A0501	LOGIT ONE	27985218
3	GONAPA AVINASH	16U11A0517	PRAGMAEDGE	PE/HR/AL/09-21/094
4	KOTHA KONDA KIRAN KUMAR	16U11A0526	TRIANZ	90191245
5	KOMMURI SHIREESHA REDDY	16U11A0524	ACCENTURE	C10222045
6	THALANKI SREEHARSHINI	16U11A0544	DRAFTJAPAN	2020/DRAFT/AUG- SPGIOP/110
7	JUPALLY SOUMYA	17U15A0503	SINNOVATIONS	SI/HYD/LOA/2167

CSE- Self Assessment Report

8	MADHU BABU THATI	17U15A0506	TATA	TCSL/DT20195419570
9	KOMPALLY HARI KARTHIK	16U11A0519	WIPRO	WIP2021519
10	POLICEPATEL OMKAR	16U11A0539	CLOUD 4 CSERVICES PVT LTD	62685
11	ARCHANA MUTHANGARI	16U11A0531	TCS	TCSL/DT202193082421/1755564/CHENNAI
12	RAJA HANUMANTHA REDDY	16U11A0523	CEDGE TECHNOLOGIES	CDG/HYD/2021523
13	KILARU RAJITHA CHOWDARY	16U11A0522	RESOURCEONE IT SOLUTIONS PVT LTD	2021003
14	MANCHIKANTI SANDEEP	166Z1A0513	MOTIVITY LABS	85241
15	MANNE SAINATH	16U11A0529	CQX	CQX2020529
16	PADMINI	16U11A0503	THOMSON REUTERS	2021456
17	POOJA AGARWAL	16U11A0541	THOMSON REUTERS	2021789
18	RACHANA CHEENAPALLI	16U11A0506	BROADRIDGE	BD/HYD/202106
19	NAGA LAXMI NALLA	16U11A0533	CAPGEMINI	2021453
20	STEVE SUJAY	16U11A0530	TECHM	TECH/HYD/5226323
21	RAMYA VANARASHI	166Z1A0522	RCM TRAINEE ASSOCIATE	20212303
22	P.SHIVANI	16U11A0536	CAPGEMINI	5016985/960250
23	MADASU ROHITHA	166Z1A0512	GLOBAL LOGIC	20210926
24	TANNIRU SAI KRISHNA	17U15A0505	RESORCE ONE IT SOLUTIONS	2020017
25	CHITHARLA SHIVA	16U11A0507	WIPRO	960025/985610
26	ALLADI SAI MANOJ	166Z1A0502	RCM TRAINEE ASSOCIATE	20212321
27	NEHA THAKUR	16U11A0535	SINNOVATIONS	SI/HYD/LOA/2155
28	RANGA SRAVANI	166Z1A0519	RESORCE ONE IT SOLUTIONS	2514785
29	JEEJULA RAMYA	17U15A0507	LOGIT ONE	2745896
30	THIMMAPURAM PRANAY KUMAR	16U11A0545	RCM TRAINEE ASSOCIATE	20212391
31	N.A ANEESH	16U11A0532	BROADRIDGE	20214536
32	LINGAMPALLY	16U11A0527	SINNOVATIONS	SI/HYD/LOA/2185

CSE- Self Assessment Report

	KAVYA			
33	D SHIVARAMAKRISHNA	17U15A0502	RESORCE ONE IT SOLUTIONS	2514797
34	YASH BANG	166Z1A0524	PRAGMAEDGE	PE/HR/AL/09-21/098
35	PAVAN KUMAR	16U11A0538	RESORCE ONE IT SOLUTIONS	2021456

Assessment Year Name: CAYm4

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	SHYAM BAJA	15U11A0502	TECHRUPLE	2352091
2	CHUNCHU MANASA	15U11A0506	TECHRUPLE	2352090
3	MOHAMMED RASHEED	16U15A0504	SEVASUPREME DETECTIVE SECURITY SERVICES PVT Ltd	55896
4	C.SANTHOSH KUMAR	15U11A0507	INFOSEARCH ITES Pvt Ltd	2051896
5	K.PRAVEEN KISHORE	16U15A0502	MEDICO	201958
6	ROJA SHETTY	15U11A0546	24*7	44347
7	RUDRAGOUNI KAUSHIK GOUD	15U11A0550	NB Healthcare technologies pvt ltd	42589
8	AVUNOORI KALYAN	15U11A0501	MILLENIUM	ML/HYD/L O/1896
9	BATTU MAHESH	15U11A0503	24*7	44743
10	DUDIPALA HARIKA	15U11A0537	INFOSEARCH ITES Pvt Ltd	2051875
11	G VANDANA	15U11A0510	NB Healthcare technologies pvt ltd	42859
12	GUNDEBOINA JAYACHANDRA	15U11A0512	TECHRUPLE	44785
13	MUNNAP DEEPIKA	16U15A0505	MEDICO	201956
14	MUSHUGUMPULA PRABHAVATHI	15U11A0520	SEVASUPREME DETECTIVE SECURITY SERVICES PVT Ltd	2018596
15	POTHARAJU SAI ROHAN	15U11A0522	TECHRUPLE	44757
16	RAGHAVARAJU KIRAN KUMAR	15U11A0545	MEDICO	201985
17	RAMAGIRI VANDANA	15U11A0523	SEVASUPREME DETECTIVE SECURITY SERVICES PVT Ltd	55789
18	YERRA SHIVA PRASAD	15U11A0530	TECHRUPLE	44768
19	YOGGU PRANAY	15U11A0531	MEDICO	201963

CSE- Self Assessment Report

20	MAMILLA MANIDEEP YADAV	15U11A0519	SEVASUPREME DETECTIVE SECURITY SERVICES PVT Ltd	55725
21	KODAVAKANTI LALITHA PRASANNA	16U11A0503	MEDICO	2019546
22	THAKUR VISHAL SINGH	15U11A0527	YAXIS	CIN:01- 30865
23	THUPAKULLA BHAVANI SHANKER	15U11A0529	MEDICO	2019785
24	PANJALA SOWMYASREE	15U11A0521	MEDICO	2019565
25	SANKEPALLY AJITH REDDY	15U11A0526	SEVASUPREME DETECTIVE SECURITY SERVICES PVT Ltd	55756
26	KALAVENA ADITYA	14U11A0530	MEDICO	2018542
27	ERVA KARTHIK	15U11A0509	MEDICO	2019856
28	BISHAL SHAIK	15U11A0536	TECHRUPLE	44785

4.6 Professional Activities (20)

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

Professional Societies such as CSI, ISTE have already been incepted in the College. Many events are organized in collaboration with professional bodies. Through our students Association **ACTIVITY CLUB** members organized various Events are for the benefit of the students and Faculty Members.

- Improving the standard of education.
- Counselling the students in the emerging new opportunities.
- Better employment of the students on completion of their courses.
- Encouraging outside-the-classroom studies / practical work / seminars etc

Table: Professional societies

S. No	Acronym	Professional Society
1	CSI	Computer Society of India
2	ISTE	Indian Society for Technical Education

CSE- Self Assessment Report

Professional activities for the past three academic years are shown in the following Tables

CAYm1: 2021-22

S.No	Name of the Program	Date of Conduct	Resource Person	No. of Participants
1	A Two Day workshop on IOT- Real Time Applications.	30.11.2021 & 01.12.2021	Mr. P. sai Krishna Sr. Embedded Developer, AVR Research & Development Pvt. Ltd., Hyderabad	78
2	A Two Day workshop on Python Programming	24-11-2021 & 25-11-2021	Mr. Annapureddy Naresh, Application Engineer, AVR Research & Development Pvt. Ltd., Hyderabad	66
3	A Guest Lecture on Java Programming	30.07.2022	Dr. K. Rama Subramanian, Associate Professor, KL University, Hyderabad.	94
4	A Seminar on CYBER LAWS	24.06.2022	Mrs. Roppi Midha Eminent Cyber Law Consultant	56
5	A Seminar on Career counseling session on “GATE & IELTES Requisites”	06.12.2021	Mr. Sai Pavan Senior Academician T.I.M.E.S	63

CAYm2: 2020-21

S.No	Name of the Program	Date of Event	Resource person	No.of Participants
1	A two day workshop on Java Programming.	08.06.2021& 09.06.2021	Dr. K. Rama Subramanian, Associate Professor, KL University, Hyderabad.	61
2	A Guest Lecture on Design and Analysis of Algorithm.	15.03.2021	Dr. Ganti Krishna Sharma, Professor CSE, Ace Engineering College, Hyderabad.	55
3	A Seminar on Data structures.	08.02.2021	Mrs. J. Bhargavi, Assistant Professor, CSE, Anurag College of	59

CSE- Self Assessment Report

			engineering, Hyderabad.	
4	A Seminar on Intellectual Property Rights.	06.02.2021	Dr. B. Aarthi, Professor, MBA, Samskruti College of Engineering & Technology.	52
5	A two Day workshop conducted on “Block Chain Technology”.	02.02.2021 & 03.02.2021	Mr. Annapureddy Naresh, Application Engineer, AVR Research & Development Pvt. Ltd., Hyderabad	46
6	A Guest Lecture on Data Mining.	28.01.2021	Mr. Rambabu Atmakuri, Associate Professor, CSE, Anurag College of Engineering, Hyderabad.	43
7	A Seminar on software Engineering.	12.12.2020	Mrs. Shajahan Begum, Assistant Professor	43

CAYm3: 2019-20

S.No	Name of the Program	Date of Conduct	Resource person	No.of Participants
1	A Guest Lecture on Design and Analysis of Algorithm.	10.02.2020	Mr. Rambabu Atmakuri, Associate Professor, CSE, Anurag College of Engineering, Hyderabad	41
2	A Two-Day Workshop on Machine Learning	09.03.2020 to 10.03.2020	Mr. Venu Gopal. Senior Application Engineer, Data Point Soft Solutions, Hyderabad	47
3	Seminar on “Advanced communication Skills- Personality Development”.	21.10.2019	Mr. Perla Vijaya Kumar, Assistant Professor, HITS College, Hyderabad.	43
4	A Guest Lecture on Cloud Computing	07.10.2019	Mr. G Ravinder, Assistant Professor, CSE, VMITW, Hyderabad.	41

CSE- Self Assessment Report

5	A 3-Day workshop on Python Programming	07.11.2019 to 09.11.2019	Mr. Kondal Reddy, Assistant Software Engineer, MANAC INFOTECH , Pvt. Ltd., Hyderabad	76
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CAYm4: 2018-19

S.No	Name of the Program	Date of Conduct	Resource person	No.of Participants
1	Guest Lecture on Data Base Management Systems.	11.03.2019	Mrs. J. Bhargavi, Assistant Professor, CSE, Anurag College of engineering, Hyderabad.	46
2	Seminar on copy right & trademark	16.02.2019	Mr. Murali Krishna, Assistant Professor	32
3	Seminar on Principles of Entrepreneurship	19.12.2018	Mrs. K. Veena Sravanthi, Deputy Manger at Global Solutions	29
4	Seminar on Software Engineering	5.11.2018	Dr. S. Jayanthi, Associate Professor, CSE, Samskruti College of engineering & Technology, Hyderabad	41
5	A 2-Day workshop on Augment Reality & Virtual Reality	02.11.2018 to 03.11.2018	Mr. Nikhil Sharma, Eduridge India, Hyderabad.	68
6	Seminar on Principles of Programming languages	22.10.2018	Dr. K. Rama Subramanian, Associate Professor, CSE, Samskruti College of Engineering & Technology, Hyderabad.	38
7	A guest lecture on Computer Networks	10.09.2018	Dr. Ganti Krishna Sharma, Professor CSE, Ace Engineering College, Hyderabad.	37

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

In the beginning of the semester the Head of the Department along with faculty coordinator conducts a meeting with the students to select the student editors. The interested students will be selected as student editors. Every month activities conducted in the Department are recorded and documented. At the end of the year these documents are properly designed and Newsletter, TECH SPARKLE of that year will be released. The technical magazine, CREW is made yearly to enrich the technical skills of the student.

A.Y 2021-22

S.NO	Name of the Newsletter/Technical Magazine	Editorial	Frequency
1	CREW Technical Magazine	Editors: Dr. M.Ramakanth Reddy Dr.P.Satyanarayana Mr. K. Vamshee Krishna Mr. V. Pranay Student Members: Ms. V. Lakshmi Mythili 19U11A0542 III CSE Mr. R.Manohar 20U11A0519 II CSE	Yearly
2	TECH SPARKLE Departmental Newsletter	Editors: Dr.P.Satyanarayana Associate Professor, CSE. Mr. K. Vamshee Krishna Assistant Professor, Hod CSE. Mr. V. Pranay Assistant Professor, CSE. Student Members: Mr. M. Acharya Pradyumna 19U11A0539 III Year Ms G Shivani 19U11A0510 III Year Ms M.Nandini 20U11A0514 II Year	Yearly

A.Y 2020-21

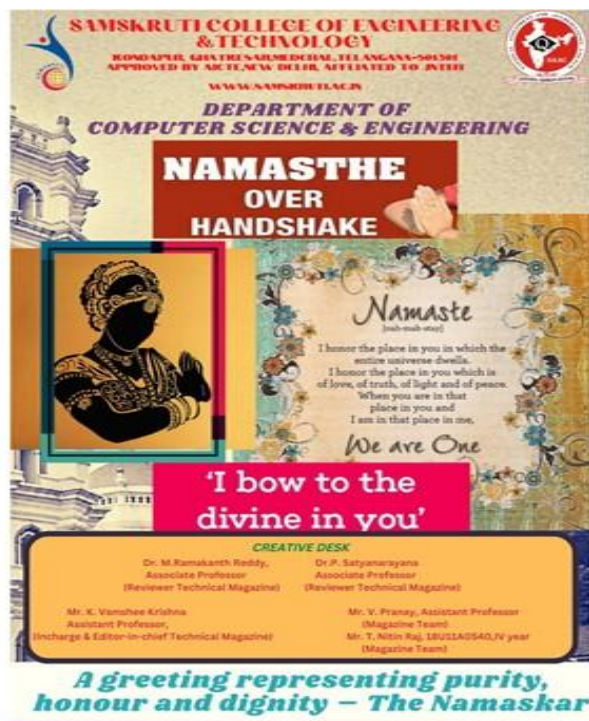
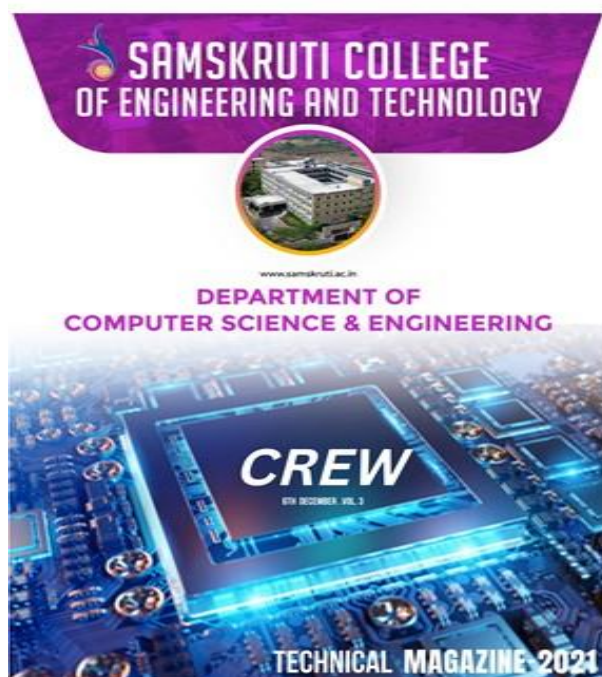
S.NO	Name of the Newsletter/Technical Magazine	Editorial	Frequency
1	CREW Technical Magazine	Editors: Dr. M.Ramakanth Reddy Dr.P.Satyanarayana Mr. K. Vamshee Krishna Mr. V. Pranay Student Members: Mr. T. Nitin Raj, 18U11A0540, III year	Yearly
2	TECH SPARKLE Departmental Newsletter	Editors: Dr.P.Satyanarayana Associate Professor, CSE. Mr. K. Vamshee Krishna Assistant Professor, Hod CSE. Mr. V. Pranay Assistant Professor, CSE. Student Members: Mr. Nitin Raj Thumma 18U11AO540 III Year Mr. D. Sunil Kumar 19U11A0535 II Year Ms. V. Lakshmi Mythili 19U11A0542 II Year Mr. M. Acharya Pradyumna 19U11A0539 II Year	Yearly

A.Y 2019-20

S.NO	Name of the Newsletter/ Technical Magazine	Editorial	Frequency
1	CREW Technical Magazine	Editors: Mr.P.Satyanarayana Mr. K. Vamshee Krishna Mr. V. Pranay Student Members: M. Steve Sujay 16U11A0530 IV Year B.Revathi Bai 19U11A0502 III Year Mr. T. Nitin Raj, 18U11A0540, II year	Yearly
2	TECH SPARKLE Departmental Newsletter	Editors: Mr. P. Satyanarayana Associate Professor, CSE. Mr. K.Vamshee Krishna Assistant Professor, CSE. Student Members: G. Avinash 16U11A0517 IV Year B.Revathi Bai 19U11A0502 III Year Mr. T. Nitin Raj, 18U11A0540, II year	Yearly

CSE- Self Assessment Report

CREW - Technical Magazine



TECH SPARKLE - Newsletter



4.6.3 Participation in inter-institute events by students of the program of study (10)**Participation in inter-institute events by students in the Academic Year 2021-22**

S.No	NAME OF THE STUDENT	ENROLLMENT NO	EVENT	VENUE	AWARDED
1	Sunil Kumar	19U11A0535	DIGITHON	TITA	Participation
2	Saahil Sharma	19U11A0553	DIGITHON	TITA	Participation
3	Masum Reja	19U11A0550	DIGITHON	TITA	Participation
4	Kedar joshi	19U11A0548	DIGITHON	TITA	Participation
5	SK.Farhad	19U11A0554	DIGITHON	TITA	Participation
6	M.Nandini	20U11A0514	SAMSKRUTI SANGRAM	Samskruti college of Engineering & Technology	Participation
7	J.Chandu yadav	20U11A0507	SAMSKRUTI SANGRAM	Samskruti college of Engineering & Technology	Participation
8	B.Shanmukh	20U11A0530	SAMSKRUTI SANGRAM	Samskruti college of Engineering & Technology	Participation
9	S.Shivaji	20U11A0522	SAMSKRUTI SANGRAM	Samskruti college of Engineering & Technology	Participation
10	K.Ganesh	20U11A0513	SAMSKRUTI SANGRAM	Samskruti college of Engineering & Technology	Participation
11	M.Sharath	20U110516	SAMSKRUTI SANGRAM	Samskruti college of Engineering & Technology	First

Participation in inter-institute events by students in the Academic Year 2020-21

S.No	Name of The Student	Enrollment no	Event	Venue	Awarded
1	Khaja Naseerudin Mubsir	21U15A0509	BLOCK LEVEL DECLAMATION CONTEST CERTIFICATE	Nehru Yuva Kendr Sangathan	FIRST
2	Vadlakonda Saritha	19U11A0555	SADWEE	Samskruti College Of Engineering & Technology	FIRST
3	Bandi Shireesha	17U11A0505	TRADITIONAL DAY	Samskruti College Of Engineering & Technology	FIRST
4	Daram Anjali	19U11A0505	TRADITIONAL DAY	Samskruti College Of Engineering & Technology	FIRST
5	Parkibanda Varshitha	18U11A0521	TRADITIONAL DAY	Samskruti College Of Engineering & Technology	FIRST
6	Yashwanth Chammolu	19U11A0533	TRADITIONAL DAY	Samskruti College Of Engineering & Technology	FIRST
7	B.Revanth	18U11A0532	TRADITIONAL DAY	Samskruti College Of Engineering & Technology	FIRST
8	Navak Mounika	18U11A0520	TRADITIONAL DAY	Samskruti College Of Engineering & Technology	THIRD
9	V.Ajay	18U11A0550	TRADITIONAL DAY	Samskruti College Of Engineering & Technology	FIRST
10	Vadlakonda Saritha	19U11A0555	SADWEE	Samskruti College Of Engineering & Technology	THIRD

CSE- Self Assessment Report

11	Siddavathula Shruthi	19U11A0528	SADWEE	Samskruti College Of Engineering & Technology	FIRST
12	Vallepu Lavanya	19U11A0556	SADWEE	Samskruti College Of Engineering & Technology	FIRST
13	Gajewell Keerthana	19U11A0509	SADWEE	Samskruti College Of Engineering & Technology	FIRST
14	Mustyala Srinidhi	19U11A0517	SADWEE	Samskruti College Of Engineering & Technology	FIRST
15	Porandla Umesh	19U11A0525	SADWEE	Samskruti College Of Engineering & Technology	FIRST
16	Siddavathula Shruthi	19U11A0528	SADWEE	Samskruti College Of Engineering & Technology	FIRST
17	Masum Reja	19U11A0550	SADWEE	Samskruti College Of Engineering & Technology	FIRST
18	Kedar Joshi	19U11A0548	SADWEE	Samskruti College Of Engineering & Technology	FIRST
19	Sln Aditya Tharun	19W81A0523	SADWEE	Samskruti College Of Engineering & Technology	FIRST
20	Chennoju Sravani	20U15A0501	SADWEE	Samskruti College Of Engineering & Technology	FIRST

Participation in inter-institute events by students in the Academic Year 2019-20

S.No	Name of The Student	Enrollment no	Event	Venue	Awarded
1	Hemanth	15U11A0552	STATE LEVEL ENGINEERING PREMIER LEAGUE	CVR College Of Engineering	SECOND
2	Prathiba Singh	18U11A0523	ISKCON	Kukatpally	PARTICIPATION
3	Pramod	18U11A0523	SPORTS BLIZZ	Malla Reddy College Of Engineering & Technology	SECOND
4	Thalanki Sreeharshini	16U11A0544	CREW-2020	Samskruti College Of Engineering And Technology	FIRST
5	Bandi Nirisha	18U11A0503	CREW-2020	Samskruti College Of Engineering And Technology	THIRD
6	R.Rachana Reddy	15U11A0550	SADWEE-2K19	Samskruti College Of Engineering And Technology	FIRST
7	Mohammed Neha Sultana	19U11A0516	ENGINEERS DAY-2K19	Samskruti College Of Engineering And Technology	THIRD
8	Nalla Nagamani	15U11A0533	SADWEE-2K19	Samskruti College Of Engineering And Technology	THIRD
9	Jamalpur Vandana	15U11A0515	SADWEE-2K19	Samskruti College Of Engineering And Technology	SECOND
10	Burra Padmini	16U11A0503	SADWEE-2K19	Samskruti College Of Engineering And Technology	THIRD
11	Nalla Nagamani	15U11A0533	SADWEE-2K19	Samskruti College Of Engineering And Technology	SECOND

CSE- Self Assessment Report

12	B.Bhavani	15U11A0506	SADWEE-2K19	Samskruti College Of Engineering And Technology	SECOND
13	Erra Niharika	15U11A0508	SADWEE-2K19	Samskruti College Of Engineering And Technology	SECOND
14	Kana Parthi Haripriya	16U11A0520	SADWEE-2K19	Samskruti College Of Engineering And Technology	THIRD
15	Nalla Nagalaxmi	16U11A0533	SADWEE-2K19	Samskruti College Of Engineering And Technology	SECOND
16	BURRA PADMINI	16U11A0503	SADWEE-2K19	Samskruti College Of Engineering And Technology	SECOND
17	Kandavakanti Lalitha	16U15A0503	SADWEE-2K19	Samskruti College Of Engineering And Technology	FIRST
18	Jamalpur Vandana	15U15A05015	SADWEE-2K19	Samskruti College Of Engineering And Technology	SECOND
19	Nalla Nagalaxmi	16U11A0533	SADWEE-2K19	Samskruti College Of Engineering And Technology	THIRD

Participation in inter-institute events by students in the Academic Year 2018-19

S.No	Name of The Student	Enrollment no	Event	Venue	Awarded
1	D.Pavan	17U11A0525	ATHELEMA-2K18	MVSR Engineering college	PARTICIPATION
2	Prathiba Singh	18U11A0523	OLYMPUS	SREENIDHI INSTITUTE OF SCIENCE & TECHNOLOGY	SECOND

CSE- Self Assessment Report

3	Prathiba Singh	18U11A0523	SPL-2K19	Samskruti College Of Engineering And Technology	SECOND
4	Saritha	17U11A0524	SPORTZ BLITZ-2K19	Samskruti College Of Engineering And Technology	FIRST
5	Sanihitha	18U11A0510	KURUKSHETRA-2K19	KOMMURI PRATAP REDDY INSTITUTE OF TECHNOLOGY	PARTICIPATION
6	Sai Kumar	19U15A0504	KURUKSHETRA-2K19	KOMMURI PRATAP REDDY INSTITUTE OF TECHNOLOGY	PARTICIPATION
7	Shiva Prasad	18C21A0566	KURUKSHETRA-2K19	KOMMURI PRATAP REDDY INSTITUTE OF TECHNOLOGY	PARTICIPATION
8	KEDAR JOSHI	19U11A0548	SPORTS BOUT	ANURAG GROUP OF INSTITUTIONS	SECOND
9	K.Sushmitha	19U11A0513	ATHMELA-2K18	MVSR ENGINEERING COLLEGE	PARTICIPATION
10	Sharan	19U11A0560	SPORTS BOUT	ANURAG GROUP OF INSTITUTIONS	SECOND
11	Are Sandeep	19U11A0502	SPORTS BOUT	ANURAG GROUP OF INSTITUTIONS	FIRST
12	Shubham	19U11A0506	KREEDA-2K19	TIRUMALA ENGINEERING COLLEGE	PARTICIPATION
13	Varshitha Reddy	18U11A0521	ATHMELA-2K18	MVSR ENGINEERING COLLEGE	SECOND

CSE- Self Assessment Report

14	S.Sowmya Sree	19U11A0527	SPORTS BOUT	ANURAG GROUP OF INSTITUTIONS	SECOND
15	Saahil Sharma	19U11A0553	SPORTS BOUT	ANURAG GROUP OF INSTITUTIONS	SECOND
16	D.Uday Kumar	19U11A0536	ATHMELA-2K18	MVSR ENGINEERING COLLEGE	THIRD
17	Kavya Sree	18U11A0548	SPORTS BOUT	ANURAG GROUP OF INSTITUTIONS	PARTICIPATION
18	Nithya	18U11A0539	SPORTS BOUT	ANURAG GROUP OF INSTITUTIONS	PARTICIPATION
19	T.Ravali	19U11A0529	SPORTS BOUT	ANURAG GROUP OF INSTITUTIONS	PARTICIPATION
20	Amrit Sharma	19U11A0501	SPORTS BOUT	ANURAG GROUP OF INSTITUTIONS	PARTICIPATION
21	K.Manohar	19U11A0547	SPORTS BLITZ	ANURAG GROUP OF INSTITUTIONS	FIRST
22	Roli Sneha	14U11A0520	SADWEE-2K18	Samskruti college of engineering and technology	SECOND
23	Ramagiri Vandana	15U11A0523	SADWEE-2K18	Samskruti college of engineering and technology	SECOND
24	Koli Shirisha	15U15A0504	SADWEE-2K18	Samskruti college of engineering and technology	PARTICIPATION
25	Anshujha	15U11A0535	SADWEE-2K18	Samskruti college of engineering and technology	PARTICIPATION
26	Kola Shireesha	15U15A0504	SADWEE-2K18	Samskruti college of engineering and technology	PARTICIPATION

CSE- Self Assessment Report

27	Challla Nikhila Sravani	16U11A0504	SADWEE-2K18	Samskruti college of engineering and technology	FIRST
28	Yaprla Sumanth Reddy	18U15A0510	SADWEE-2K18	Samskruti college of engineering and technology	FIRST
29	Panjala Sowmya Sree	15U11A0521	SADWEE-2K18	Samskruti college of engineering and technology	FIRST
30	N.A Aneesh	16U11A0532	TRADITIONA L-2K18	Samskruti college of engineering and technology	FIRST
31	Challla Nikhila Sravani	16U11A0504	TRADITIONA L-2K18	Samskruti college of engineering and technology	THIRD
32	Chittipolu Samyuktha	17U15A0501	TRADITIONA L-2K18	Samskruti college of engineering and technology	SECOND
33	Lingampally Kavya	16U11A0506	SANKALIP-2K18	Samskruti college of engineering and technology	FIRST
34	Yoggu Pranay	15U11A0531	SANKALIP-2K18	Samskruti college of engineering and technology	FIRST
35	Panjala Sowmya Sree	15U11A0521	TRADITIONA L-2K18	Samskruti college of engineering and technology	FIRST
36	Yaprla Sumanth Reddy	18U15A0510	TRADITINAL DAY-2K18	Samskruti college of engineering and technology	FIRST
37	K.Hari Karthik	16U11A0519	ENGINEERS DAY	Samskruti college of engineering and technology	THIRD
38	Vanam Srinath	17U11A0529	ENGINEERS DAY	Samskruti college of engineering and technology	SECOND

CSE- Self Assessment Report

39	Jamalpur Vandana	15U11A0515	ENGINEERS DAY	Samskruti college of engineering and technology	THIRD
40	Malagari Prameela	15U11A0506	SADWEE-2K18	Samskruti college of engineering and technology	SECOND

5 FACULTY INFORMATION AND CONTRIBUTIONS (200)

Name	PAN No.	University Degree	Date of Receiving Degree	Area of Specialization	Research Paper Publications	Ph. D Guidance	Faculty receiving Ph.D during the assessment year	Current Designation	Date (Designated as Prof./Assoc. Prof.).	Initial Date of Joining	Associate Type	Date of Leaving
Dr. JAYANTHI S	AMFPJ7350R	ME/M. Tech and PhD	23/01/2017	CSE	2			Professor	16/01/2017	16/01/2017	Regular	01/05/2020
YAMUNA PEDDABOINA	DJWPP9179R	M.E/M.Tech	03/10/2016	CSE	3			Assistant Professor		01/12/2016	Regular	31/05/2022
RAGHAVAN DRA MARPUDI	ANCPR0869F	M.E/M.Tech	01/12/2010	CSE	2			Assistant Professor		01/12/2016	Regular	05/06/2021
SHIVALEELA MAMILLAPALLY	GQYPS6714R	M.E/M.Tech	03/08/2015	CSE	2			Assistant Professor		02/12/2015	Regular	
A KIRAN KUMAR REDDY	AVFPK9728H	M.E/M.Tech	01/04/2014	CSE	3			Assistant Professor		07/12/2015	Regular	02/05/2022
DIVYA PACHIMATLA	CITPP5173N	M.E/M.Tech	03/08/2015	CSE				Assistant Professor		02/12/2015	Regular	01/05/2020
PRIYANKA KOKONDA	COMPK5560F	M.E/M.Tech	03/10/2016	CSE				Assistant Professor		01/12/2016	Regular	11/05/2020
ANUSHA REDDY KUNDANAPALLY	EDUPK2527P	M.E/M.Tech	03/08/2015	CSE				Assistant Professor		01/12/2016	Regular	15/05/2020
Dr PULIME SATYANARAYANA	AUIPP7705R	ME/M. Tech and PhD	27/07/2021	CSE	13			Associate Professor	01/07/2016	22/08/2006	Regular	

CSE – Self Assessment Report

CHAWHAN RAVIKUMAR	BCPPC7176M	M.E/M.Tech	03/08/2015	CSE	11			Assistant Professor		18/11/2015	Regular	
SAYANARAMESH	FURPS0476J	M.E/M.Tech	01/12/2014	SE				Assistant Professor		12/07/2017	Regular	03/03/2020
DIVYAPALAKOLLU	CUDPP8736K	M.E/M.Tech	03/10/2016	CSE	5			Assistant Professor		25/11/2016	Regular	
GRADHADEVI	BPGPD2356N	M.E/M.Tech	28/04/2011	CSE				Associate Professor		08/07/2010	Regular	31/03/2021
VAMSHEEKRISHNA KORIVI	AOXPV5893D	M.E/M.Tech	03/08/2015	CSE	15			Assistant Professor	11/12/2021	07/12/2015	Regular	
DEEPTHI THADDAKA	ARKPT3385L	M.E/M.Tech	03/08/2015	CSE				Assistant Professor		01/12/2016	Regular	30/05/2020
PRIYA J	BGUPJ7500B	M.E/M.Tech	01/05/2007	IT				Assistant Professor		25/11/2016	Regular	05/06/2021
MACHARLASRILATHA	CQBPM3898R	M.E/M.Tech	08/08/2016	CSE				Assistant Professor		17/08/2017	Regular	15/05/2020
Dr. X S ASHASHINY	AOJPA0349D	ME/M.Tech and PhD	19/04/2017	CSE	1			Professor	16/04/2018	16/04/2018	Regular	03/05/2021
HARIVANAM NAGACHANDRIKA	AHHPH1335H	M.E/M.Tech	01/08/2011	CSE				Assistant Professor		02/07/2018	Regular	05/05/2022
VEMULARUPA	DIRPR7526C	M.E/M.Tech	03/08/2015	CSE	1			Assistant Professor		02/07/2018	Regular	31/05/2021
VCHAND	AYOPS7650N	M.E/M.Tech	01/12/2003	CSE	2			Associate Professor	19/08/2019	19/08/2019	Regular	30/06/2021

CSE – Self Assessment Report

RA SEKHAR												
Dr. CHANGALAS ETTY SAROJA LALITHA	AKGPC31 17L	ME/M. Techand PhD	28/01/20 14	CSE				Professor	01/12/202 1	01/12/20 21	Regul ar	
MECHIN ENI PAVANI	FMSPP221 9B	M.E/M.T ech	23/01/20 08	CSE				Assistant Professor		22/11/20 21	Regul ar	
MAMA THA RANER U	DVPPR564 6E	M.E/M.T ech	09/10/20 19	CSE				Assistant Professor		02/12/20 21	Regul ar	
MURALI KRISHNA CHERUKU	AJKPC654 7P	M.E/M.T ech	03/11/20 14	CSE	5			Assistant Professor		10/12/20 20	Regul ar	
RAJINI AVULLA	BYLPA60 99P	M.E/M.T ech	03/10/20 16	CSE	8			Assistant Professor		06/03/20 20	Regul ar	
KONDARE DDY SUNIL KUMAR	ICQPS576 7A	M.E/M.T ech	04/09/20 17	SE	6			Assistant Professor		02/11/20 20	Regul ar	
PREETHI CHALLAK ONDA	BJDPC409 9Q	M.E/M.T ech	03/10/20 16	CSE				Assistant Professor		02/11/20 20	Regul ar	
Dr KRISHNAMU RTHYRAMA SUBRAMANI AN	AXYPK599 5M	ME/M. Techand PhD	17/10/20 19	CSE	2			Professor	01/11/201 9	28/07/20 15	Regul ar	31/05/2 021
Dr SYED AZAHAD	DLBPS522 4K	ME/M. Techand PhD	31/10/20 19	CSE				Associate Professor	02/12/201 9	22/06/20 16	Regul ar	31/05/2 021
Dr.HAME EDA SHAIK	ETWPS42 75J	ME/M. Techand PhD	31/10/20 19	CSE				Assistant Professor		09/03/20 20	Regul ar	31/05/2 022
Dr PARIGI MEENA KUMARI	AREPG36 53J	ME/M. Techand PhD	30/10/20 19	CSE	4			Associate Professor	02/12/201 9	01/12/20 17	Regul ar	02/05/2 022

CSE – Self Assessment Report

SIRIKO NDA VAMSHI KRUSH NA	CDEPS317 3B	M.E/M.T ech	12/02/20 14	CSE	8			Assistant Professor	01/07/201 7	01/07/20 16	Regul ar	
DEMULA PRANAY	BCIPV658 6M	M.E/M.T ech	18/09/20 20	CSE	3			Assistant Professor		26/04/20 21	Regul ar	
DODDI KOUSARI KUMARI	DDVPD764 1K	M.E/M.T ech	25/10/20 16	CSE	6			Assistant Professor		11/12/20 20	Regul ar	
SAMREE N MOHAM MED	FATPM28 20J	M.E/M.T ech	30/12/20 19	CSE	4			Assistant Professor		27/09/20 21	Regul ar	31/05/2 022
Dr. MALLAD I RAMAKA NTH REDDY	ALPPM00 96A	ME/M. Techand PhD	01/11/20 21	CSE	5			Associate Professor	01/10/202 0	01/10/20 20	Regul ar	
VISHAK A JAGANN ATH PARAGE	BTGPP213 1R	M.E/M.T ech	27/08/20 15	CS				Assistant Professor		25/11/20 21	Regul ar	
RAMACHAN DRAN RAMPRIYA	BGQPR119 5E	M.E/M.T ech	05/06/20 12	CSE	3			Assistant Professor		01/12/20 21	Regul ar	
JUPALLI RAJA KUMARI	MDVPK00 68G	M.E/M.T ech	29/12/20 09	CSE				Assistant Professor		01/12/20 21	Regul ar	
Dr. UPPARA NARES H	ABXPU40 69R	ME/M. Techand PhD	06/07/20 16	CSE	1			Professor	01/12/202 1	01/12/20 21	Regul ar	
Dr. P NAGESW ARARAO	BCVPP029 7C	ME/M. Techand PhD	15/03/20 21	CSE	1			Associate Professor	24/11/202 1	24/11/20 21	Regul ar	
Dr A. POONGO	AIXPA2813 J	ME/ M.Tech	26/02/20 20	CSE	3			Professor	21/11/202 2	21/11/20 22	21/11/ 2022	

CSE – Self Assessment Report

DAI		and Ph.D										
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5.1 Student-Faculty Ratio (20)

UG

No. of UG Programs in the Department: 01

Computer Science and Engineering						
Year of Study	CAY		CAYm1		CAYm2	
	(2022-23)		(2021-22)		(2020-21)	
	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	60	6	60	5	60	5
3rd Year	60	5	60	5	60	5
4th Year	60	5	60	5	60	8
Sub-Total	180	16	180	15	180	18
Total	196		195		198	

PG

No. of PG Programs in the Department: - Nil

SFR

No. of UG Programs in the Department: 1

No. of PG Programs in the Department: - Nil

Description	CAY(2022-23)	CAYm1 (2021-22)	CAYm2(2020-21)
Total No. of Students in the Department(S)	196	195	198
No. of Faculty in the Department(F)	18 (F1)	25 (F2)	23 (F3)
Student Faculty Ratio(SFR)	10.88 SFR1=S1/F1	7.8 SFR2=S2/F2	8.06 SFR3=S3/F3
Average SFR	8.91 SFR=(SFR1+SFR2+SFR3)/3		
F=Total Number of Faculty Members in the Department (excluding first year faculty)			

Note: All the faculty whether regular or contractual (except Part-Time), will be considered. The contractual faculty (doing away with the terminology of visiting/adjunct faculty, whatsoever) who have taught for 2 consecutive semesters in the corresponding academic year on full time basis shall be considered for the purpose of calculation in the Faculty Student Ratio. However, following will be ensured in case of contractual faculty:

1. Shall have the AICTE prescribed qualifications and experience.
2. Shall be appointed on full time basis and worked for consecutive two semesters during the particular academic year under consideration.
3. Should have gone through an appropriate process of selection and the records of the same shall be made available to the visiting team during NBA visit.

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
CAY(2022-23)	18	0
CAYm1(2021-22)	25	0
CAYm2(2020-21)	23	0

Average SFR for three assessment years: 8.91

Assessment SFR: 20

5.2 Faculty Cadre Proportion (25)

Year	Professors		Associate Professors		Assistant Professors	
	Required F1	Available	Required F2	Available	Required F3	Available
CAY(2022-23)	1.00	3.00	2.00	5.00	6.00	10.00
CAYm1(2021-22)	1.00	2.00	2.00	5.00	6.00	18.00
CAYm2(2020-21)	1.00	2.00	2.00	6.00	6.00	15.00
Average Numbers	1.00	2.33	2.00	5.33	6.00	14.33

Cadre Ratio Marks [(AF1 / RF1) + [(AF2 / RF2) * 0.6] + [(AF3 / RF3) * 0.4]] * 12.5 : 25.00

5.3 Faculty Qualification (25)

	X	Y	F	FQ = 2.5 x [(10X + 4Y) / F]
2022-23(CAY)	6	12	9.00	30.00
2021-22(CAYm1)	7	18	9.00	39.44
2020-21(CAYm2)	5	18	9.00	33.88

Average Assessment: 34.44

5.4 Faculty Retention (25)

Description	2021-22	2022-23
No of Faculty Retained	17	12
Total No of Faculty	28	21
% of Faculty Retained	60.71	57.14

Average: 58.92

Assessment Marks: 10.00

5.5 Innovations by the Faculty in Teaching and Learning (20)

Innovations by the Faculty in teaching and learning shall be summarized as per the following description.

Contributions to teaching and learning are activities that contribute to the improvement of student learning. These activities may include innovations not limited to, use of ICT, instruction delivery, instructional methods, assessment, evaluation and inclusive class rooms that lead to effective, efficient and engaging instruction. Any contributions to teaching and learning should satisfy the following criteria:

The work must be made available on Institute website

The work must be available for peer review and critique

The work must be reproducible and developed further by other scholars

The Department/Institution may set up appropriate processes for making the contributions available to the public, getting them reviewed and for rewarding. These may typically include statement of clear goals, adequate preparation, use of appropriate methods, significance of results, effective presentation and reflective critique.

Teaching methods adapted to improve student learning (Centralized / Department levels)

Following innovative learning methods are initiated and implemented by the faculty for students to learn in a better manner.

1. Computer-Assisted learning
2. Group Learning
3. Innovations in Assessment
4. Innovations in Evaluation

Computer-Assisted learning:

ICT usages are abundantly practiced for the teaching-learning processes.

Objectives:

- To provide direct access to quality instructional resources through computers connected in LAN and Internet.
- Motivate the students do electronic presentations (PPT).
- Assess the students through online quiz tests for better learning.

Facilities Created:

- LCDs are consistently used in the class-room lecture delivery.
- Internet facility is provided to students for deeper inquiry into their subjects.
- The technologies are used even in the co-curricular activities during seminars, workshops.

Outcome:

- The students and faculty are engaged in effective teaching and learning process.

Group Learning OR Collaborative Learning:

A collection of students who are intellectually engaged in solving problems, creating products, and an assemblage in which each student learns autonomously. Rather than focusing only on what the individual knows, the goal is to build a collective body of knowledge.

Innovations in Assessment:

Objectives:

Simplify the assessment of course outcomes and program outcomes

Take corrective actions during the middle of the semester for better attainment levels of course outcomes and program outcomes

Methodology:

Special Assessment software is designed and implemented to collect the attainment levels of course outcomes and program outcomes on frequent basis.

An assessment web link is provided to the students and faculty for giving feedback on the ongoing lecture sessions.

The student gives feedback about the ongoing subject-wise lecture sessions. This feedback will enable the faculty to know the effectiveness of their teaching on day to day lecture basis and helps to improve their performance.

Outcomes:

Effective teaching and learning process

Better attainment levels of course outcomes and program outcomes

Innovations in Evaluation:

Generally, evaluation of students is done by the faculty. However, an innovative assignment evaluation method is proposed and implemented with the following objectives:

Objectives:

To enhance the understanding levels of the subject.

To improve the presentation skills.

The Work Must Be Available for Peer Review and Critique.

The department conducts periodic innovative events among the students and invite expert faculty (in-house as well as external) as judges and record the results of these events as per the details mentioned below for better attainment of course outcomes, POs, PSOs. The experts will also record their valuable feedback in terms of peer review and critique. Important observations are placed on the notice board.

The Work Must Be Reproducible and Developed Further by Other Scholars

The innovative methods and work carried out by the department is effectively used by the other research scholars of different institutes. Apart from this the review and critiques about the methodologies are taken as feedback and selectively implemented wherever feasible.

List of colleges in which the scholars are using/ used our methodologies

S.No	Institute Name
1.	VIGNANS INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN
2.	VIGNANA BHARATHI INSTITUTE OF TECHNOLOGY
3.	ACE ENGINEERING COLLEGE
4.	KOMMURI PRATHAP REDDY INSTITUTE OF TECHNOLOGY

5.6 Faculty as participants in Faculty development/training activities/STTPs (15)

Name of the Faculty	Max 5 Per Faculty		
	2021-22 (CAYm1)	2020-21 (CAYm2)	2019-20 (CAYm2)
Dr. JAYANTHI S	0.00	0.00	1.00
YAMUNA PEDDABOINA	1.00	2.00	2.00
RAGHAVANDRA MARPUDI	0.00	0.00	0.00
SHIVALEELA MAMILLAPALLY	1.00	2.00	2.00
A KIRAN KUMAR REDDY	1.00	2.00	3.00
DIVYA PACHIMATLA	0.00	1.00	1.00
ANUSHA REDDY KUNDANAPALLY	0.00	0.00	0.00
Dr PULIME SATYANARAYANA	2.00	3.00	6.00
CHAWHAN RAVIKUMAR	2.00	2.00	2.00
DIVYA PALAKOLLU	2.00	1.00	2.00
VAMSHEE KRISHNA KORIVI	2.00	2.00	4.00
PRIYA J	0.00	1.00	1.00

CSE – Self Assessment Report

MACHARLA SRILATHA	0.00	1.00	1.00
Dr. X S ASHA SHINY	0.00	1.00	1.00
HARIVANAM NAGA CHANDRIKA	1.00	0.00	0.00
VEMULA RUPA	0.00	0.00	0.00
V CHANDRA SEK HAR	0.00	1.00	1.00
JAYANTHI PARIGELA	0.00	1.00	0.00
MURALI KRISHNA CHERUKU	2.00	1.00	3.00
RAJINI AVULLA	2.00	2.00	2.00
KONDAREDDY SUNIL KUMAR	1.00	2.00	1.00
PREETHI CHALLAKONDA	2.00	1.00	0.00
Dr KRISHNAMURTHY RAMA SUBRAMANIAN	0.00	1.00	1.00
Dr SYED AZAHAD	0.00	1.00	1.00
Dr PARIGI MEENA KUMARI	1.00	0.00	1.00
SIRIKONDA VAMSHI KRUSHNA	2.00	2.00	2.00
VISHAKA JAGANNATH PARAGE	1.00	1.00	0.00
VEMULA PRANAY	2.00	1.00	0.00
SAMREEN MOHAMMED	0.00	1.00	0.00
Dr MALLDI RAMAKANTH REDDY	2.00	0.00	0.00
Dr UPPARI NARESH	1.00	0.00	0.00
Dr CHANGALASETTY LALITHA SAROJA	1.00	0.00	0.00
Dr P NAGESWARA RAO	1.00	0.00	0.00
DODDI KOUSARI KUMARI	2.00	0.00	0.00
MECHINENI PAVANI	1.00	0.00	0.00
Sum	33.00	33.00	38.00
RF = Number of Faculty required to comply with 20:1 Student Faculty Ratio as per 5.1	9	9	9
Assessment [$3 \times (\text{Sum} / 0.5\text{RF})$]	22.00	22.00	25.33

Average assessment over 3 years: 23.11

5.7 Research and Development (30)**5.7.1 Academic Research (10)**

Contributions and Publications

Number of quality publications in refereed/ SCI Journals

S.No	Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number	Link to website of the Journal	Link to article/paper/abstract of the article
1	Forecasting And Analysis Of Covid-19	Dr.P. Satyanarayana	Dogo Rangsang Research Journal	Nov-22	2347-7180	https://www.journal-dogorangsang.in/	https://www.journal-dogorangsang.in/no_2_Online_22/29_nov.pdf
2	Network Security With Its Penetrating Attacks And Possible Security Mechanisms	Dr.Malladi Ramakanth Reddy	Dogo Rangsang Research Journal	Dec-22	2347-7180	https://www.journal-dogorangsang.in/	https://www.journal-dogorangsang.in/no_2_Online_22/104_dec.pdf
3	Iot Based Weather Monitoring System Using Raspberry Pi	Dr.Malladi Ramakanth Reddy	Dogo Rangsang Research Journal	Sep-22	2278-4632	http://junikhyatjournal.in/	http://junikhyatjournal.in/no_2_Online_22/23_sep.pdf
4	Study Of Network Security Along With Network Security Tools And Network Simulators	Dr.Malladi Ramakanth Reddy	Dogo Rangsang Research Journal	Jan-23	2278-4632	http://junikhyatjournal.in/	http://junikhyatjournal.in/no_1_Online_23/16.pdf

5	Forecasting And Analysis Of Covid-19	K.Vamshee Krishna	Dogo Rangsang Research Journal	Nov-22	2347-7180	https://www.journal-dogorangsang.in/	https://www.journal-dogorangsang.in/no_2_Online_22/29_nov.pdf
6	Study Of Network Security Along With Network Security Tools And Network Simulators	K.Vamshee Krishna	Dogo Rangsang Research Journal	Jan-23	2347-7180	http://junikhyatjournal.in/	http://junikhyatjournal.in/no_1_Online_23/16.pdf
7	Network Security With Its Penetrating Attacks And Possible Security Mechanisms	K.Vamshee Krishna	Dogo Rangsang Research Journal	Dec-22	2347-7180	https://www.journal-dogorangsang.in/	https://www.journal-dogorangsang.in/no_2_Online_22/104_dec.pdf
8	Network Security With Its Penetrating Attacks And Possible Security Mechanisms	S.Vamshi Krishna	Dogo Rangsang Research Journal	Dec-22	2347-7180	https://www.journal-dogorangsang.in/	https://www.journal-dogorangsang.in/no_2_Online_22/104_dec.pdf
9	Heart Disease Prediction Using Machine Algorithm	Cheruku Murali Krishna	Dogo Rangsang Research Journal	Oct-22	2347-7180	https://www.journal-dogorangsang.in/	https://www.journal-dogorangsang.in/no_2_Online_22/48_oct.pdf
10	Iot Based Weather Monitoring System Using	Cheruku Murali Krishna	Dogo Rangsang Research Journal	Sep-22	2278-4632	http://junikhyatjournal.in/	http://junikhyatjournal.in/no_2_Online_22/23_sep.pdf

	Raspberry Pi						
11	Forecasting And Analysis Of Covid-19	Palakollu Divya	Dogo Rangsang Research Journal	Nov-22	2347-7180	https://www.journal-dogorangsang.in/	https://www.journal-dogorangsang.in/no_2_Online_22/29_nov.pdf
12	Deep Learning Based Traffic Sign	Mrs.A.Rajini Devi	Dogo Rangsang Research Journal	Oct-22	2278-4632	http://junikhyatjournal.in/	http://junikhyatjournal.in/no_2_Online_22/15_oct.pdf
13	Iot Based Weather Monitoring System Using Raspberry Pi	Mrs.A.Rajini Devi	Dogo Rangsang Research Journal	Sep-22	2278-4632	http://junikhyatjournal.in/	http://junikhyatjournal.in/no_2_Online_22/23_sep.pdf
14	Classification Of Leaf Disease Using Cnn	Mr.Ravikumar Chawan	Dogo Rangsang Research Journal	Dec-22	2278-4632	http://junikhyatjournal.in/	http://junikhyatjournal.in/no_2_Online_22/43_dec.pdf
15	Deep Learning Based Traffic Sign	Mr.Ravikumar Chawan	Dogo Rangsang Research Journal	Oct-22	2278-4632	http://junikhyatjournal.in/	http://junikhyatjournal.in/no_2_Online_22/15_oct.pdf
16	Library Management System (Lms) Using Java	Mrs.Kukkla Sireesha	Dogo Rangsang Research Journal	Sep-22	2347-7180	https://www.journal-dogorangsang.in/	https://www.journal-dogorangsang.in/no_2_Online_22/85_sep.pdf
17	Classification Of Leaf Disease Using Cnn	Mrs.Kukkla Sireesha	Dogo Rangsang Research Journal	Dec-22	2278-4632	http://junikhyatjournal.in/	http://junikhyatjournal.in/no_2_Online_22/43_dec.pdf
18	Heart Disease Prediction Using Machine Algorithm	Ms.Samreen Mohammed	Dogo Rangsang Research Journal	Dec-23	2347-7180	https://www.journal-dogorangsang.in/	https://www.journal-dogorangsang.in/no_2_Online_22/48_oct.pdf

19	Library Management System (Lms) Using Java	Ms.Samreen Mohammed	Dogo Rangsang Research Journal	Sep-22	2347-7180	https://www.journal-dogorangsang.in/	https://www.journal-dogorangsang.in/no_2_Online_22/85_sep.pdf
20	Deep Learning Based Traffic Sign	Mr.Vemula Pranay	Dogo Rangsang Research Journal	Oct-22	2278-4632	http://junikhyatjournal.in/	http://junikhyatjournal.in/no_2_Online_22/15_oct.pdf
21	Classification Of Leaf Disease Using Cnn	Mrs.Doddi Kousari Kumari	Dogo Rangsang Research Journal	Dec-22	2278-4632	http://junikhyatjournal.in/	http://junikhyatjournal.in/no_2_Online_22/43_dec.pdf
22	Library Management System (Lms) Using Java	Mrs.Doddi Kousari Kumari	Dogo Rangsang Research Journal	Dec-22	2278-4632	https://www.journal-dogorangsang.in/	https://www.journal-dogorangsang.in/no_2_Online_22/85_sep.pdf
23	Heart Disease Prediction Using Machine Algorithm	Mrs.Doddi Kousari Kumari	Dogo Rangsang Research Journal	Dec-22	2278-4632	https://www.journal-dogorangsang.in/	https://www.journal-dogorangsang.in/no_2_Online_22/48_oct.pdf
24	Emotion Detection Using ML	Dr.P. Satyanarayana	Dogo Rangsang Research Journal	Aug-22	2278-4632	http://junikhyatjournal.in/	http://junikhyatjournal.in/no_2_Online_22/10_aug.pdf
25	Spam Identity In E-Mail Using ML	Dr.P. Satyanarayana	Dogo Rangsang Research Journal	Jul-22	2347-7180	https://www.journal-dogorangsang.in/	https://www.journal-dogorangsang.in/no_2_Online_22/1_july.pdf
26	Edge Computing In Internet Of Things (Iot)	Dr.MALLADI RAMAKANTH REDDY	Dogo Rangsang Research Journal	Aug-22	2347-7180	https://www.journal-dogorangsang.in/	https://www.journal-dogorangsang.in/no_2_Online_22/108_aug.pdf
27	Emotion Detection Using ML	K.Vamshee Krishna	Dogo Rangsang Research Journal	Aug-22	2278-4632	http://junikhyatjournal.in/	http://junikhyatjournal.in/no_2_Online_22/10_aug.pdf

28	Edge Computing In Internet Of Things (Iot)	S.Vamshi Krushna	Dogo Rangsang Research Journal	Aug-22	2347-7180	https://www.journal-dogorangsang.in/	https://www.journal-dogorangsang.in/no_2_Online_22/108_aug.pdf
29	Design And Security Simulation Of Wi-Fi Networks	S.Vamshi Krushna	Dogo Rangsang Research Journal	May-22	2278-4632	http://junikhya.tjournal.in/	http://junikhya.tjournal.in/no_2_Online_22/6_may.pdf
30	Design And Security Simulation Of Wi-Fi Networks	Cheruku Murali Krishna	Dogo Rangsang Research Journal	May-22	2278-4632	http://junikhya.tjournal.in/	http://junikhya.tjournal.in/no_2_Online_22/6_may.pdf
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			Modal Analysis				
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5.7.2 Sponsored Research (5)

2021-22 (CAYm1)

Project Title	Duration	Funding Agency	Amount
Nil	0	0	0.00
			Total Amount(X): 0.00

2020-21 (CAYm2)

Project Title	Duration	Funding Agency	Amount
Nil	0	0	0.00
			Total Amount(Y): 0.00

2019-20 (CAYm3)

Project Title	Duration	Funding Agency	Amount
Nil	0	0	0.00
			Total Amount(Z): 0.00

Cumulative Amount (X + Y + Z) = 0.00

5.7.3 Development Activities (10)

Product Development

Table: List of Completed Software Products

S.No.	Project Title	Guide Name	Students	Domain	Academic Year
1	Automating E-Government Services With Artificial Intelligence. (https://fardapaper.ir/mohavaha/uploads/2020/09/Fardapaper-Automating-E-Government-Services-With-Artificial-Intelligence.pdf)	Mr.V.Pranay	18U11A0528 18U11A0511 18L71A0503 17U11A0505 18U15A0509	Artificial Intelligence	2021-2022
2	An Examination System Automation using Natural Language Processing.	Dr.P.Meena Kumari	18U15A0506 17U11A0543 16U11A0513	NLP	2020-2021
3	Predicting and defining b2b sales and success with machine learning.	Ms.P.Yamuna	166Z1A0512 166Z1A0515 166Z1A0522	Machine Learning	2019-2020

Research Laboratories

Table: List of Research Laboratories

S.No.	Name of the Laboratory	Software Installed	Utilization
1	Digital Lab	Computer Systems with Python(IDE) software installed.	Students utilize for their mini project and major project development. Faculty utilize for their research work towards Machine Learning and Data Science.

Instructional Materials

The department maintains the following instructional materials that help in teaching learning process.

Table: List of Instructional Materials

S.No.	Instructional Materials	Location / Available at
1	Guidelines	Notice board
2	Vision and Mission	Department
3	Engineering PO's and Department PSO's	Notice board
4	List of Experiments	Laboratory
5	Lab In charge, Lab Instructor	Laboratory
6	Do's and Don'ts	Laboratory
7	Lab manual	Laboratory
8	Course handout for theory and practical subject.	Course file
9	Study Material and Question Bank	Course file
10	Circular	Notice board
11	Time table	Department, Class room, Laboratory
12	Black Board	Class room
13	White Board	Laboratories
14	Power point presentation using LCD projector	Class room, Laboratories
15	E-Study material	College Website, Student group mail, WhatsApp group.

5.7.4 Consultancy (from Industry) (5)

2021-22 (CAYm1)

Project Title	Duration	Funding Agency	Amount
Smart Bin	1 Year	A.V.R. Research and Development, Hyderabad.	116000.00
			Total Amount(X): 116000.00

2020-21 (CAYm2)

Project Title	Duration	Funding Agency	Amount
A Semantic Autonomous Video Surveillance System.	1 Year	Rapid Rock Tools, Hyderabad.	150000.00
			Total Amount(Y): 150000.00

2019-20 (CAYm3)

Project Title	Duration	Funding Agency	Amount
Nil	-	-	0.00
			Total Amount(Z): 0.00

Cumulative Amount (X + Y + Z) = 266000.00

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

Faculty members of Higher Educational Institutions today have to perform a variety of tasks pertaining to diverse roles. In addition to instruction, Faculty members need to innovate and conduct research for their self-renewal, keep abreast with changes in technology, and develop expertise for effective implementation of curricula. They are also expected to provide services to the industry and community for understanding and contributing to the solution of real life problems in industry. Another role relates to the shouldering of administrative responsibilities and co-operation with other Faculty, Head of the Departments and the Head of Institute. An effective performance appraisal system for Faculty is vital for optimizing the contribution of individual Faculty to institutional performance.

The assessment is based on:

- ✓ A well-defined system for faculty appraisal for all the assessment years.
- ✓ Its implementation and effectiveness.

The Parameters considered for the appraisal

Teaching Learning and Evaluation

- Assessment is based on the number of hour's lectures, practical's, performance index, additional lectures, academic duties, Innovative teaching learning methods, student feedback, Examination duties assigned and performed.

Curricular Activities Extension and Professional Development.

- ✓ Assessment is based on Student Related Co-Curricular and Field Based Activities, Contribution to Institution and Community, Academic, Professional Activities.

Research and Academic Contributions

- ✓ Assessment is based on the Paper Published in Journal, Books, Articles and Conference Proceedings, Research Projects & Consultancies, Research Guidance & Qualification, Patent / IPR, Memberships in various professional.



SELF-APPRAISAL FORM FOR TEACHING FACULTY

(Questions are formulated to assess your views / thinking / decision making power, read them carefully and answer without bias)

ACADEMIC YEAR: 2020 -2021

(To be filled by each faculty member: Please attach extra sheets wherever required)

1. Name.....
2. Date of Birth..... Age.....
3. Designation..... Department.....
4. Date of joining the College..... Date of joining the Present Post.....
5. Academic Qualification.....
6. Subject of Interest / Specialization.....
7. Details of Teaching Experience:

	With B.Tech Qualification	With M.Tech Qualification	With P.hD Qualification	Total
Before Joining SCET				
After Joining SCET				
Total				

8. Work load/week in Hrs: - SEM – I (20-21). a) Theory..... b) Practical/Project..... c) Total.....
SEM – II (20-21) a) Theory b) Practical/Project c) Total

9. Subjects Handled & Pass Percentage: SEM – I – (Nov / Dec - 2020)

THEORY

Sl. No.	Class	Subject Code & Title	Appeared	Passed	% Result	Students Feedback Rating

LABORATORY:

Sl. No.	Class	Subject Code & Title	Appeared	Passed	% Result	Students Feedback Rating

10. Subjects Handled & Pass Percentage: SEM –II (April / May - 2021)

THEORY

Sl. No.	Class	Subject Code & Title	Appeared	Passed	% Result	Students Feedback Rating

LABORATORY:

Sl. No.	Class	Subject Code & Title	Appeared	Passed	% Result	Students Feedback Rating

11. Project Guidance:

S.No	Project Title	Mini/ Major Project

12. Publication of Research Papers in Reputed Journals / International Conferences/Patent
(Attach a copy of the publication)

Sl. No.	Title of the Paper	Date / Month / Year	Name of the Journal / Conference	Name and Place / Volume No. Issue No. & Page No.	SCI/SCOPUS/UGC

13. Participation in Workshops / Conferences / FDP's / STTP's / Seminars and Special Programs, if any

Sl. No.	Title of Workshop / Conference / Seminar / FDP / STTP / Special Programs	Dates	No. of Days	Organization	Have you submitted the report

14. Membership in Professional Bodies

Sl.No.	Name of the Professional Body with Address	Annual / Life Member	Membership No.

15. INVEST IN YOURSELF

(Details of the Online Courses Completed)

Sl. No.	Title of the Course	Start Date	End Date	Number of Weeks	Platform	Date of Exam	Have you Received the Certificate (Yes / No)

* Specify the Outcome and achievements of any.

16. Are you improving your Qualification: Yes / No

If Yes, provide the following details:

Sl. No.	Degree Registered	Specialization	University	Duration	Status	Whether obtained NOC from the Institution

17. Contribution for the Development of the Department / Institution

A) Organizing Workshops / Conferences / Seminars / Guest Lectures / Symposium / Special Programs, If any

Sl. No.	Title	Period	Details of the Resource Person	For whom the program is organized	Specify the Outcome of the event

B) Contribution towards submission of Funding Proposal / Testing & Consultancy*

Sl. No.	Specify your role (PI / CO-I)	Funding Agency & Scheme	Project Title	Fund Requested in Rs.	Date of Submission	Status / Outcome of the Proposal

C) Involvement in Placement Activities/ Department Development/ Students Welfare/ Mentoring / Counseling / Special efforts, if any

Sl.No.	Description of Activity	Specify your role	Outcome of this activity	Whether records are maintained

D) Contribution towards ISO /NAAC/ NBA / Lab Development / Special efforts as a Class Advisor & Academic Coordinator

Sl. No.	Specify Your role	Description	Highlight the Outcome

E) Contribution towards R&D / EDC / SIC / Alumni / IIPC / Sports / NSS / Others, if any (Points are based on the performance status with evidence)

Sl. No.	Specify Your role	Description	Highlight the Outcome

F) Specify your Role / Contribution, if any other than the above

Declaration

I certify that the details given above are correct to the best of my knowledge and belief.

Date:

Signature of the Faculty

Assessment of faculty member by HOD/Principal

1	Initiative: a self starter, able to work without constant supervision	
2	Responsibility, Understands duties; accepts responsibilities readily	
3	Punctuality: arrives on time. Generally available for students during working hours.	
4	Committed to his/her work.	
5	Loyalty: supports and follows institute`s policies and guidelines.	
6	Oral & Written Communication.	
7	Willingness to accept new tasks and effective completion.	
8	Relationship with fellow faculty and staff	
9	Relationship with students	

HOD

Principal's Remarks:

His / Her contribution to be appreciated and recommended / Satisfactory performance / Potential underutilized /

Counseling is required / Performance improvement is desired / to be warned.

Any other remarks / directives

.....

.....

.....

Date:

PRINCIPAL

5.9 Visiting/Adjunct/Emeritus Faculty etc. (10)

Table: List of Visiting Faculty during A.Y 2022-23

S. No	Name of the Faculty	Designation
1	Dr. K. Rama Subramanian	Associate Professor, KL University, Hyderabad.
2	Dr G Rekha	Associate Professor, KL University, Hyderabad.
3	Mr.Annapureddy Naresh	Application Engineer, AVR Research & Development Pvt.Ltd, Hyderabad

Table: List of Visiting Faculty during A.Y 2021-22

S. No	Name of the Faculty	Designation
1	Dr. K. Rama Subramanian	Associate Professor, KL University, Hyderabad.
2	Dr Subhani Sheik	Associate Professor, SNIST, Hyderabad.
3	Mr Praveen Kumar	Associate Professor, VBIT, Hyderabad
4	Mr.Annapureddy Naresh	Application Engineer, AVR Research & Development Pvt.Ltd, Hyderabad
5	Ms Roppi Midha	Cyber Law Consultant
6	Mr Sai Pawan	Senior Academician, TIME, Hyderabad
7	Mr P Sai Krishna	Embedded Developer , AVR Research & Development Pvt.Ltd, Hyderabad

Table: List of Visiting Faculty during A.Y 2020-21

S.No	Name of the Faculty	Designation
1	Dr. K. Rama Subramanian	Associate Professor, KL University, Hyderabad.
2	Dr. Ganti Krishna Sharma	Professor CSE, Ace Engineering College, Hyderabad.
3	Mrs. J. Bhargavi	Assistant Professor, CSE, Anurag College of engineering, Hyderabad.
4	Mr.Annapureddy Naresh	Application Engineer, AVR Research & Development Pvt.Ltd, Hyderabad
5	Mr. Rambabu Atmakuri	Associate Professor, CSE, Anurag College of Engineering, Hyderabad.

Table: List of Visiting Faculty during A.Y 2019-20

S. No	Name of the Faculty	Designation
1	Mr. Rambabu Atmakuri	Associate Professor, CSE, Anurag College of Engineering, Hyderabad
2	Mr. Perla Vijaya Kumar	Assistant Professor, HITS College, Hyderabad.
3	Mr. Venu Gopal.	Senior Application Engineer, Data Point Soft Solutions , Hyderabad
4	Mr. G Ravinder	Assistant Professor, CSE, VMITW, Hyderabad.
5	Mr. Kondal Reddy	Assistant Software Engineer, MANAC INFOTECH , Pvt. Ltd., Hyderabad

Table: List of Visiting Faculty during A.Y 2018-19

S. No	Name of the Faculty	Designation
1	Dr. Ganti Krishna Sharma	Professor CSE, Ace Engineering College, Hyderabad.
4	Mrs. J. Bhargavi	Assistant Professor, CSE, Anurag College of engineering, Hyderabad.
3	Mr. Nikhil Sharma	Eduridge India, Hyderabad.
4	Mr. Ch. Murali Krishna	Assistant Professor, St. Mary's Engineering College
5	Mrs. K. Veena Sravanthi	Deputy Manager at Global Solutions

6 FACILITIES AND TECHNICAL SUPPORT (80)**6.1 Adequate and well equipped laboratories, and technical manpower (30)**

Sr.No	Name of the Laboratory	Number of students per 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	Programming for Problem Solving Lab	30	Computer Systems with Turbo C installed	30	S Vandana	Programmer	B.Tech
2	Data Structures	30	Computer Systems with Turbo C Compiler installed	6	M Santhoshi	Programmer	B.Sc Computers
3	C++ Programming Lab	30	Computer Systems with C++ Compiler installed	6	M Santhoshi	Programmer	B.Sc Computers
4	IT Workshop Lab	30	All hardware computer components for Demo & Assembly & Computer systems with internet connectivity and with C, MS office/ Open office & latex installed.	6	M.Pavani	Programmer	M.Sc
5	Database Management Systems Lab	30	Computer systems with OS & MySQL installed	6	Grace Gifty	Programmer	B.Tech
6	Java Programming Lab	30	Computer systems with MySQL and JDK installed	6	Grace Gifty	Programmer	B.Tech

7	Operating Systems Lab	30	Computer systems with Linux and C compiler installed	6	M.Santhoshi	Programmer	B.Sc Computers
8	Computer Networks & Web Technologies Lab	30	Computer Systems with any one Programming language software installed & NS2/NS3 installed & Linux, Apache, Tomcat Server, MySQL, PHP, JAVA, JAVA Script, JSP installed	6	M.Pavani	Programmer	M.Sc
9	Software Engineering Lab	30	Computer Systems with Rational Rose/ StarUML/ UML Graph / Topcased installed	6	Grace Gifty	Programmer	B.Tech
10	Compiler Design Lab	30	Computer Systems with Linux, C-compiler, Lex and Yacc installed	6	M.Pavani	Programmer	M.Sc
11	Software Testing Methodologies Lab	30	Computer Systems with WinRunner/Selenium installed	6	Grace Gifty	Programmer	B.Tech
12	Machine Learning Lab	30	Computer Systems with any Python (IDE) software installed	6	B Sowjanya	Programmer	B.Sc Computers
13	Cryptography & Network Security Lab	30	Computer Systems with C Compiler installed & Computer Systems with JDK Compiler installed	6	B.Sowjanya	Programmer	B.Sc Computers

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

Sr. No	Facility Name	Details	Reason(s) for creating facility	Utilization	Areas in which students are expected to have enhanced learning	Relevance to POs/PSOs
1	IOT Laboratory	To build circuits and control their working using Arduino board or Raspberry Pi board. To use sensors to read and sense analog signals from the environment and program actuators to perform the desired action.	To create a conducive environment for student to build solutions for open ended problems.	Entire Period of their study in college.	Arduino IDE Programming, Python Programming, Circuit building	PO1, PO3, PO9, PO12
2	SQL Lab	Enables students to learn most advanced MYSQL open source DB	To write and design more data base samples.	Open to utilize in working hours.	Allow students to create complex web applications which works flawlessly even for ever large number of user.	PO1, PO3, PO12
3	Android Studio	Used for providing the fastest tools for building apps on every type of Android device.	Trying to solve integrated development environment for Android	Open to utilize in working hours.	To develop the mobile apps based on the Android operating system	PO1, PO2, PO3, PO5
4	R Studio	Used for data analytics	To enable the students to acquire skills beyond the syllabus on emerging technologies	Open to utilize in working hours.	Data Analysis	PO2, PO3, PO5, PO12

5	Department Library	Having collection of Text Books, Reference Books, Project report, Seminar report	To meet the needs of the students, to provide reference facilities, To refer advanced information for seminar, laboratories, projects, to know about the past research activities undertaken by the students.	Open to all CSE faculty and Students.	Students and staff can refer text book and have a better understanding which helps to prepare notes.	PO1, PO2, PO12, PSO1, PSO2, PSO3
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6.3 Laboratories: Maintenance and overall ambiance (10)

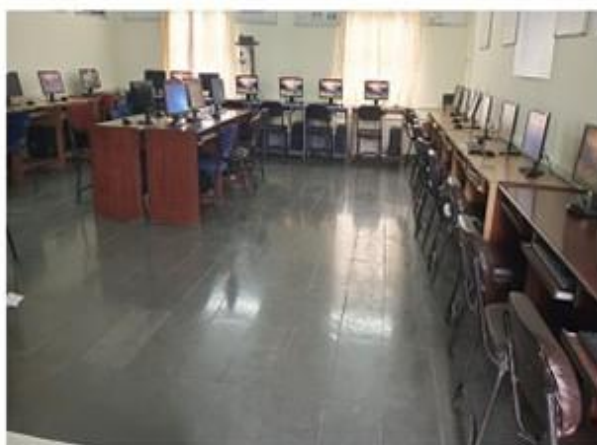
Maintenance of Laboratory Equipment:

1. A regular assessment of computers/equipment is carried out at the end of every semester.
2. Calibration of the instruments is carried out whenever essential.
3. Maintenance register is maintained in the laboratories.
4. As per the requirement, minor repairs are carried out in-house.
5. Major repairs are outsourced as per the procedure of the institute.
6. All computer labs are well equipped and ventilated and Supported by Uninterrupted power supply(UPS) which ensures that all laboratory slots are utilized effectively. The student-computer ratio is 1:1.

Overall Ambiance

1. The department has enough labs which are used for all the years on the time table basis to meet the curriculum requirements
2. Conditions of chairs/benches are good. Chairs are provided for individual student's in Labs.
3. Labs are equipped with sufficient hardware and licensed/Open Source software to run specific curriculum.
4. Sufficient number of windows is available for ventilation and natural light and every lab has one exit.
5. The lighting system is very effective, along with the natural light in every corner of the rooms.
6. Emergency light connections available in Lab in case of power failure.
7. Each Lab is equipped with white/black board.
8. Research laboratory is available for all faculty and students to carry research work.

9. Feedback is taken in every semester from the faculty and students with respect to the laboratory facilities, based on these feedback necessary actions are taken.
10. House Keeping is outsourced and it will be done regularly.
11. The cleanliness of the laboratory is maintained every day.
12. Safety Measures are displayed.



S.No	Name of the Lab	Area in SqM	Periodic Maintenance
1	Programming for Problem Solving Lab	66	Weekly Once
2	Data Structures	66	Weekly Once
3	C++ Programming Lab	66	Weekly Once
4	IT Workshop Lab	66	Weekly Once
5	Database Management Systems Lab	66	Weekly Once
6	Java Programming Lab	66	Weekly Once
7	Operating Systems Lab	66	Weekly Once
8	Computer Networks & Web Technologies Lab	66	Weekly Once
9	Software Engineering Lab	66	Weekly Once
10	Compiler Design Lab	66	Weekly Once
11	Software Testing Methodologies Lab	66	Weekly Once
12	Machine Learning Lab	66	Weekly Once
13	Cryptography & Network Security Lab	66	Weekly Once

6.4 Project laboratories (5)

Research plays an important role in the educational experience and provides practical skills for future employment of engineering students. The objective of this lab is to motivate and encourage students to do in-house project. This lab provides a place where the students can make & assemble their final year projects while working in groups. In-housed projects help junior students in stimulating their thinking to explore ideas for their forthcoming final year projects. Management took initiation and developed Incubation center at SCET, it is a multidisciplinary student project lab, which supports student to design, build, assemble, test, and disseminate innovative solutions, thus preparing students for job readiness, lifelong problem solving, and leadership in the global community.

Laboratory Facilities for student's projects.

Laboratory experience is an indispensable part of the educational process and a key factor in preparing students for real engineering practical life. For this reason, the CSE Department is having a separate project laboratory within its premises. All the laboratories are equipped with state of the art tools and facilities that provide hands-on practice for students.

Professional personnel are always available to give help and support to students in projects and experiments. Hence a free access policy beyond the regular lab hours in a safe and secure environment for experimentation and research is one of the privileges enjoyed by the students.

Project work is carried out among the existing laboratories. Some of the software's available for the project laboratory are:

Lab Name	Purpose	Facilities
Project Laboratory	Understanding the working of all the software which are useful for the students	Back End-SQL, My SQL, MS SQL 2005, Front End - NetBeans / Eclipse, PHP, Open GL, Web Servers: Wamp server, XAMPP, Tomcat server, Python, HTML, CSS, JavaScript, PHP, Java-NetBeans, Eclipse, Oracle etc.
IOT Laboratory	To build circuits and control their working using Arduino board or R-Pi board. To use sensors to read and sense analog signals from the environment and program actuators to perform the desired action	Arduino, Rasperry-pi boards, Computer systems with Python Software etc.,

6.5 Safety measures in laboratories (10)

Sr. No	Laboratory Name	Safety Measures
1	C++ Programming Lab	1. General Rules and Safety Rules for students are displayed in Laboratories. 2. First Aid kit, Fire extinguishers are maintained. 3. Maintain a clean and organized laboratory. 4. Avoiding the use of damaged equipment and provides needful equipment and components. 5. Electrical cords from the tables are monitored that they are not yanked. 6. Avoiding the usage of mobiles. 7. Antivirus software is installed. 8. Frequent Pest control mechanism for all laboratories. 9. Civil Structural Safety Measures are adopted.
2	Data Structure Lab	1. General Rules and Safety Rules for students are displayed in Laboratories. 2. First Aid kit, Fire extinguishers are maintained. 3. Maintain a clean and organized laboratory. 4. Avoiding the use of damaged equipment and provides needful equipment and components. 5. Electrical cords from the tables are monitored that they are not yanked. 6. Avoiding the usage of mobiles.

		7. Antivirus software is installed. 8. Frequent Pest control mechanism for all laboratories. 9. Civil Structural Safety Measures are adopted.
3	IT Workshop Lab	1. General Rules and Safety Rules for students are displayed in Laboratories. 2. First Aid kit, Fire extinguishers are maintained. 3. Maintain a clean and organized laboratory. 4. Avoiding the use of damaged equipment and provides needful equipment and components. 5. Electrical cords from the tables are monitored that they are not yanked. 6. Avoiding the usage of mobiles. 7. Antivirus software is installed. 8. Frequent Pest control mechanism for all laboratories. 9. Civil Structural Safety Measures are adopted.
4	Data Base Management Systems Lab	1. General Rules and Safety Rules for students are displayed in Laboratories. 2. First Aid kit, Fire extinguishers are maintained. 3. Maintain a clean and organized laboratory. 4. Avoiding the use of damaged equipment and provides needful equipment and components. 5. Electrical cords from the tables are monitored that they are not yanked. 6. Avoiding the usage of mobiles. 7. Antivirus software is installed. 8. Frequent Pest control mechanism for all laboratories. 9. Civil Structural Safety Measures are adopted.
5	Java Programming Lab	1. General Rules and Safety Rules for students are displayed in Laboratories. 2. First Aid kit, Fire extinguishers are maintained. 3. Maintain a clean and organized laboratory. 4. Avoiding the use of damaged equipment and provides needful equipment and components. 5. Electrical cords from the tables are monitored that they are not yanked. 6. Avoiding the usage of mobiles. 7. Antivirus software is installed. 8. Frequent Pest control mechanism for all laboratories. 9. Civil Structural Safety Measures are adopted.
		1. General Rules and Safety Rules for students are

6	Operating Systems Lab	displayed in Laboratories. 2. First Aid kit, Fire extinguishers are maintained. 3. Maintain a clean and organized laboratory. 4. Avoiding the use of damaged equipment and provides needful equipment and components. 5. Electrical cords from the tables are monitored that they are not yanked. 6. Avoiding the usage of mobiles. 7. Antivirus software is installed. 8. Frequent Pest control mechanism for all laboratories. 9. Civil Structural Safety Measures are adopted.
7	Computer Networks & Web Technologies Lab	1. General Rules and Safety Rules for students are displayed in Laboratories. 2. First Aid kit, Fire extinguishers are maintained. 3. Maintain a clean and organized laboratory. 4. Avoiding the use of damaged equipment and provides needful equipment and components. 5. Electrical cords from the tables are monitored that they are not yanked. 6. Avoiding the usage of mobiles. 7. Antivirus software is installed. 8. Frequent Pest control mechanism for all laboratories. 9. Civil Structural Safety Measures are adopted.
8	Software Engineering Lab	1. General Rules and Safety Rules for students are displayed in Laboratories. 2. First Aid kit, Fire extinguishers are maintained. 3. Maintain a clean and organized laboratory. 4. Avoiding the use of damaged equipment and provides needful equipment and components. 5. Electrical cords from the tables are monitored that they are not yanked. 6. Avoiding the usage of mobiles. 7. Antivirus software is installed. 8. Frequent Pest control mechanism for all laboratories. 9. Civil Structural Safety Measures are adopted.
9	Machine Learning Lab	1. General Rules and Safety Rules for students are displayed in Laboratories. 2. First Aid kit, Fire extinguishers are maintained. 3. Maintain a clean and organized laboratory. 4. Avoiding the use of damaged equipment and provides needful equipment and components. 5. Electrical cords from the tables are monitored that they are not yanked. 6. Avoiding the usage of mobiles.

		7. Antivirus software is installed. 8. Frequent Pest control mechanism for all laboratories. 9. Civil Structural Safety Measures are adopted.
10	Compiler Design Lab	1. General Rules and Safety Rules for students are displayed in Laboratories. 2. First Aid kit, Fire extinguishers are maintained. 3. Maintain a clean and organized laboratory. 4. Avoiding the use of damaged equipment and provides needful equipment and components. 5. Electrical cords from the tables are monitored that they are not yanked. 6. Avoiding the usage of mobiles. 7. Antivirus software is installed. 8. Frequent Pest control mechanism for all laboratories. 9. Civil Structural Safety Measures are adopted.
11	Software Testing Methodologies Lab	1. General Rules and Safety Rules for students are displayed in Laboratories. 2. First Aid kit, Fire extinguishers are maintained. 3. Maintain a clean and organized laboratory. 4. Avoiding the use of damaged equipment and provides needful equipment and components. 5. Electrical cords from the tables are monitored that they are not yanked. 6. Avoiding the usage of mobiles. 7. Antivirus software is installed. 8. Frequent Pest control mechanism for all laboratories. 9. Civil Structural Safety Measures are adopted.
12	Cryptography and Network Security Lab	1. General Rules and Safety Rules for students are displayed in Laboratories. 2. First Aid kit, Fire extinguishers are maintained. 3. Maintain a clean and organized laboratory. 4. Avoiding the use of damaged equipment and provides needful equipment and components. 5. Electrical cords from the tables are monitored that they are not yanked. 6. Avoiding the usage of mobiles. 7. Antivirus software is installed. 8. Frequent Pest control mechanism for all laboratories. 9. Civil Structural Safety Measures are adopted.

13	Python Programming Lab	1. General Rules and Safety Rules for students are displayed in Laboratories. 2. First Aid kit, Fire extinguishers are maintained. 3. Maintain a clean and organized laboratory. 4. Avoiding the use of damaged equipment and provides needful equipment and components. 5. Electrical cords from the tables are monitored that they are not yanked. 6. Avoiding the usage of mobiles. 7. Antivirus software is installed. 8. Frequent Pest control mechanism for all laboratories. 9. Civil Structural Safety Measures are adopted.
14	Linux Programming Lab	1. General Rules and Safety Rules for students are displayed in Laboratories. 2. First Aid kit, Fire extinguishers are maintained. 3. Maintain a clean and organized laboratory. 4. Avoiding the use of damaged equipment and provides needful equipment and components. 5. Electrical cords from the tables are monitored that they are not yanked. 6. Avoiding the usage of mobiles. 7. Antivirus software is installed. 8. Frequent Pest control mechanism for all laboratories. 9. Civil Structural Safety Measures are adopted.
15	Data Mining Lab	1. General Rules and Safety Rules for students are displayed in Laboratories. 2. First Aid kit, Fire extinguishers are maintained. 3. Maintain a clean and organized laboratory. 4. Avoiding the use of damaged equipment and provides needful equipment and components. 5. Electrical cords from the tables are monitored that they are not yanked. 6. Avoiding the usage of mobiles. 7. Antivirus software is installed. 8. Frequent Pest control mechanism for all laboratories. 9. Civil Structural Safety Measures are adopted.

7 CONTINUOUS IMPROVEMENT (50)**7.1 Actions taken based on the results of evaluation of each of the POs & PSOs (20)****POs Attainment Levels and Actions for Improvement- (2020-21)**

POs	Target Level	Attainment Level	Observations
PO 1 : Engineering Knowledge			
PO 1	1.5	1.71	Attainment target is achieved. Observations: It is observed that there is a gap between engineering knowledge and usage of latest technology.
Action1: Tutorial classes has been conducted on Design and Analysis of Algorithms. Action2: Arranged Expert lecture on Cryptography & Network Security.			
PO 2 : Problem Analysis			
PO 2	1.5	1.54	Attainment target is achieved. Observations: It is observed that some students are weak in identifying and analyzing world problem statements.
Action1: Guest lecturers conducted for Compiler Design. Action 2: Conducted more lab sessions on Data Structures through C++ Lab			
PO 3 : Design/development of Solutions			
PO 3	1.5	1.59	Attainment level is reached to expected level in the following subjects Python and SPPM. Observations: It is observed that the students sometimes found difficult to understand new technologies like Artificial Intelligence.
Action1: Guest lecturers were conducted for Artificial Intelligence. Action 2: Conducted Extra Classes for Computer Organization			
PO 4 : Conduct Investigations of Complex Problems			
PO 4	1.5	1.08	Attainment is low in the following subjects DBMS, IM, DM Observations: It is observed that some students are lagging in identifying complex related to real world.
Action1: Research based Guest Lectures & Video lessons have been arranged for Disaster			

Management. Action2: Conducted extra classes for Database Management Systems to investigate and solve complex problems.

PO 5 : Modern Tool Usage

PO 5	1.5	1.44	Attainment is low in the following subjects DBMS, DCCN, C&NS. Observations: It is observed that some students are not aware of latest tools and their usage.
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Action1: Demonstration of new concepts & techniques through software and IT tools to be continued. Action2: Conducted guest lecture for Cryptography & Network Security Action3: Conducted Lab sessions on Database Management systems, Data communication & Computer Networks.

PO 6 : The Engineer and Society

PO 6	1.5	1.15	Attainment is low in the following subjects SE, DBMS, DCCN, C&NS. Observations: It is observed that there is a gap between engineering knowledge and usage of latest technology.
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Action1: Conducted guest lecture on software Engineering. Action2: A Guest Lecturer on “Python” is organized as part of Industry & Society.

PO 7 : Environment and Sustainability

PO 7	1.5	1.23	Observations: It is observed that students are not aware about the hazards due to e-waste.
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Action1: As a part of University course curriculum various programmes like NSS and NSO are conducted by the college to increase societal and environmental awareness.

PO 8 : Ethics

PO 8	1.5	1.12	Attainment is Low. Observations: It is observed that the students are connected to intranet are not aware of the Worms, Viruses and Phishing attacks.
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Action1: Three periods in a semester has been providing and conducted regularly to enhance professional ethics and presentation skills within and beyond curriculum.

PO 9 : Individual and Team Work

			Attainment is Low. Observations: Students
--	--	--	---

PO 9	1.5	1.23	found difficult to solve the application oriented or practical engineering problems. Sometimes, absence of correlation among the team members during the project work.
Action1: Individual presentation by the students is asked to be given periodically. Action2: The final year project work is conducted by first making student groups in which students with different abilities are included (decided on the basis of CGPA). These groups are allotted to faculty members as per the area-preference given by the students. This helps students to learn to work with team members of different capabilities and background.			
PO 10 : Communication			
PO 10	1.5	1.39	Attainment found to be low. Observations: It is observed that some students are belonged to the rural background need additional knowledge in communication skills.
Action1: Conducting Group Discussions, Mock Interviews, Aptitude Tests, General Quiz, etc., have been conducted to improve the skills in students.			
PO 11 : Project Management and Finance			
PO 11	1.5	1.41	Observations: Some students are unaware of the impact of project management in Computer Science and Engineering.
Action 1: To encourage students' ideas into reality by providing financial assistance with proper guidance. Action 2: The awareness is created among the students regarding the principles of management and managing projects.			
PO 12 : Life-long Learning			
PO 12	1.5	1.34	Attainment is low in the following subjects DBMS, JAVA, OS & DS Observations: It is observed that some students are lagging in pace with the upcoming technologies.
Action 1: The concept of life-long learning can be inculcated amongst the students through Seminars by eminent professionals, which helps the students to strive for excellence by constant knowledge up gradation, setting short and long term goals.			

PSOs Attainment Levels and Actions for Improvement- (2020-21)

PSOs	Target Level	Attainment Level	Observations
PSO 1 : Professional Skills: Understand, analyze and develop software solutions.			
PSO1	1.5	1.47	Attainment is low in the following subjects Object Oriented Programming through Java (OOPJ), Operating Systems Lab and Design & Analysis of Algorithms (DAA). Observations: It is observed that some students need to enhance their technical and core engineering skills to solve the real time problems.
Action 1: Additional classes have been conducted to introduce design subjects. Action 2: Practical approach of teaching design to be adapted.			
PSO 2 : Advanced Computing Skills: Provide solutions for real world problems with a broad range of programming languages and open source platforms in various computing domains.			
PSO2	1.5	1.23	Attainment is low in the following subjects OOP through Java, C&NS Observations: It is observed that some students need an exposure to analyze and solve time problems in a stipulated time.
Action1. To Exposure Students on skills on industry with real time environment. Action 2. Guest lectures on various Cryptography algorithms have been organized.			
PSO 3 : Interdisciplinary Solutions: Apply standard principles, practices and strategies for software development.			
PSO3	1.5	1.12	Attainment is low in the following subjects OS and CC. Observations: It is observed that some students feel difficulty in knowing the Do's and to be an Entrepreneur.
1. Arranged a seminar on "A step by step procedure to be an IT Entrepreneur". 2. Arranged a seminar on Cloud Computing and Operating Systems.			

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

The Departments of an institution are the backbone of the core business of any institution where trifocal activities i.e. teaching, research and service are conducted. An academic audit reviews the processes and procedures used by Departments to enhance the quality of their Programs in terms of program objectives and ensure graduate attributes as program outcomes as defined by each Department are achieved against the stipulated targets for which standard practices and processes need to be put in place.

Objectives of Academic Audit

The main objective of an academic audit is to ascertain departments have put in place adequate and effective quality assurance mechanisms in terms of strategies, procedures, their applicability, that ensures quality inputs and consequently quality outputs; their agility in ensuring continuous improvements along with review of available resources, their optimal utilization, additional resource requirements for providing quality education. Objectives of Academic Audit are as listed below:

1. To set quality performance indicators in domains of education, research and administration pertaining to departments/programs and other units of the Institution.
2. To develop benchmarks for quality performance indicators.
3. To develop strategies to evaluate quality performance indicators.
4. To develop strategies to improve quality.

Guiding Principles of Academic Audit

1. Involvement of stakeholders to evaluate the set quality performance indicators.
2. Feedback collection, analysis and dissemination of relevant information citing concerns where improvement measures should be taken.

To facilitate accreditation and review processes through involving external agencies.

Unit of Audit

The primary unit of academic audit is the department.

Focus Areas

- ✓ Defining intended Course and Program Outcomes
- ✓ Identifying curricular gaps and strategy to bridge the gaps
- ✓ Designing effective teaching and learning processes
- ✓ Developing and using outcome based student assessment
- ✓ Assuring implementation of quality education - significant activities such as research and services, co-curricular and extracurricular activities to support Program Outcomes

Methodology:

Approach: Institution creates various committees for conduct and review of activities at the institution and department levels. The compositions, functions of the committees are as follows:

Academic Audit Team:

Internal Quality Assurance Cell (IQAC)

Following is the constitution of the IQAC

1. Management trustee
2. Principal
3. Administrative officer
4. HoDs of the departments
5. Senior professionals from industry
6. Alumni Student

Functions:

- Development and application of quality benchmarks/parameters for the various academic and administrative activities of the Institute.
- Arrangement for feedback responses from students, parents and other stakeholders on quality-related institutional processes.
- Dissemination of information on the various quality parameters of higher education
- Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles.
- Documentation of the various programmes/activities of the Institute, leading to quality improvement.
- Development and maintenance of Institutional database through MIS for the purpose of maintaining /enhancing the institutional quality.
- Development of Quality Culture in Institute.

Department Academic Committee DAC:**Following is the constitution of DAC**

1. Head of the Department
2. Two Senior faculty
3. One senior most Lab-In-Charge

Functions:

- ✓ Meets at least twice in a semester.
- ✓ Propose the departmental budget to the administration.
- ✓ Receive the applications from teacher under faculty development program and preprocess them and forward to Principal.
- ✓ Recommend short term /long term training programs to be conducted by department.
- ✓ Prepares the department calendar of events.
- ✓ HOD can summon the DAC at any time for review and finalization of department schemes.

The following files to be Audited:

S.No	Description
1.	Course File, Lesson Plan, Time table Course Outcomes and Question Papers
2.	Feedback from all stake holders
3.	Faculty Publications
4.	Details of Consultancy activities
5.	Teaching and Non-Teaching personal files
6.	Feedback on Teaching Learning Process
7.	Internal test analysis
8.	End Semester Examination Results
9.	Remedial Classes for slow learners
10.	MOUs
11.	All lab maintenance and stock registers and stock verification
12.	Lab Records
13.	Infrastructure
14.	Faculty development initiatives
15.	Professional Society Activities

7.3 Improvement in Placement, Higher Studies and Entrepreneurship (10)

Samskruti College of Engineering and Technology has an exclusive Training and Placement Cell headed by a Head Training and Placement Officer, well supported by the Management, Departmental heads and Coordinators. The Objective of the Placement cell is to enhance skills in tandem with the graduation and to make the students employable. The Placement cell's efforts are always towards helping the students graduate with at least a single offer in hand.

All round development, a multi-faceted and inter-disciplinary knowledge combined with several industry-oriented learning experiences would help the students to build their skills to reach the industry standards. The Placement cell facilitates such experiences during their academic pursuit, through

- Trainings
- Industrial Visits
- Guest Lectures
- Career Counseling Sessions
- Summer Internships / Live Projects
- Other Corporate Forums
- Business Thought Leadership Sessions

Training Process:

Training plays a vital role in improving the learning curve of the students. Students come from diverse backgrounds and so require enough grooming for future endeavors. Certain Diagnostic tests are carried out right from their first year of Graduation and based on the scores, the data is normalized. The normalized results enable us to optimally design the training programs eliminating redundancy and help them adopt an alternative perspective on their desired future rather. A future-oriented, competency-based approach is adopted for enhancing the skills of the students.

Placement Process:

As a part of regular improvements in the Placement process, the Institute came up with a Strategy for better placements. It is very important that the Institute evaluates its competitive position by identifying the Strengths, Weakness, Opportunities and Threats, in order to carve a sustainable niche in the competitive Job Market.

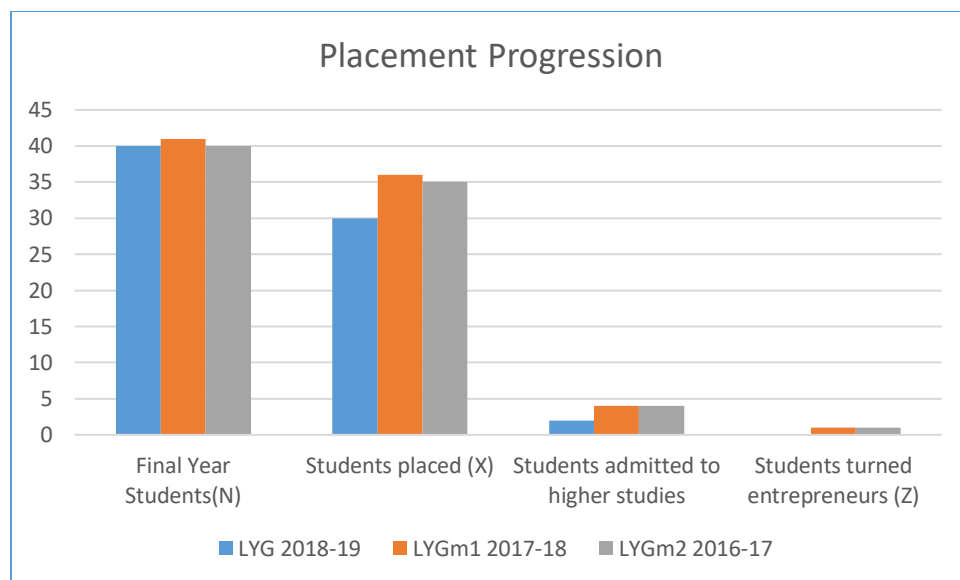
The Placement Drives may be:

- a. **On-Campus:** Companies visit college to select based on student's aptitude, attitude, technical capabilities and focus.

- b. Off-Campus / Pool Campus** – Recruitment is conducted at a common place that may be the college or different college where students from other colleges are invited to participate in the campus placement drive. They may be also called as ‘Job Fairs’.

Placement history of past three years shown below:

Item	LYG 2018-19	LYGm1 2017-18	LYGm2 2016-17
Total No of Final Year Students(N)	40	41	40
No of students placed in the companies or government sector(X)	30	36	35
No of students admitted to higher studies with valid qualifying scores (GATE or equivalent State or National Level tests, GRE, GMAT etc.) (Y)	2	4	4
No of students turned entrepreneur in engineering/technology (Z)	0	1	1
$x + y + z =$	32	41	40
Placement Index [$(X+Y+Z)/N$] :	0.80	1	1



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

Item		2022-23	2021-22	2020-21
National Level Entrance Examination	No of students admitted	-	-	-
	Opening Score/Rank	-	-	-
	Closing Score/Rank	-	-	-
State/ University/ Level Entrance Examination/ Others TSEAMCET	No of students admitted	127	63	45
	Opening Score/Rank	16698	21088	11009
	Closing Score/Rank	112605	115943	85016
Name of the Entrance Examination for Lateral Entry or lateral entry details TSECET	No of students admitted	6	5	14
	Opening Score/Rank	1189	1257	439
	Closing Score/Rank	4099	5322	3890
Average CBSE/Any other board result of admitted students (Physics, Chemistry & Maths)		62.82	63	70

8 FIRST YEAR ACADEMICS (50)
8.1 First Year Student-Faculty Ratio (FYSFR) (5)

Please provide First year faculty information considering load for the particular program

Name of the Faculty member	PAN No.	Qualification	Date of Receiving highest degree	Area of specialization	Designation	Date of joining	Teaching load (%)			Currently Associated (yes / No)	Nature of Association (Regular / Contract)	Date of leaving (in case Currently Associated is 'No')
							CA Y	CA Ym 1	CA Ym 2			
Dr. MIDTUR RAJESH WARA REDDY	AOGPM 7149J	PH.D	20/02/2020	Operational Research	Associate Professor	29/06/2018	75	75	75	YES	REG	
MOTAKARI RANJIT KUMAR	ALEPM 5210F	M.SC	26/10/2008	Pure Mathematics	Assistant professor	01/04/2022	75	0	0	YES	REG	
VIJAYA JYOTHI	AWIPB 9416F	M.SC	15/04/2007	Mathematics	Assistant professor	02/07/2013	50	50	50	YES	REG	
RAGEERU PANDU	BKDPR 8292M	M.SC	18/04/2012	Applied Mathematics	Assistant professor	02/06/2014	50	50	50	YES	REG	
RUPALA KSHMI DHARAN IKOTA	CEHPR 2291K	M.SC	28/09/2005	Mathematics	Assistant professor	17/07/2019	75	75	75	YES	REG	
SWAPNA DHARM AVARAM	BADPD 5706Q	M.SC	17/07/2002	Applied Mathematics	Assistant professor	12/07/2017	75	75	75	YES	REG	
NARMA DA KADIYALA	JKPK5 237G	M.SC	18/04/2015	Statistics	Assistant professor	30/11/2021	66	0	0	YES	REG	
GALAKOTA RATNA KUMARI	BHQPR 2113D	M.Sc	12/06/2015	Mathematics	Assistant professor	12/08/2022	50	0	0	YES	REG	

CSE – Self Assessment Report

GATHRAM SIVARAM PRASAD	AXWPG 1214H	M.SC	16/06/ 2008	Physic s	Assist ant profes sor	18/07/ 2016	75	75	75	YES	REG	
VANAM RAMULU	AFYPV 8197E	M.SC	25/02/ 2007	Physic s	Assist ant profes sor	19/11/ 2012	75	75	75	YES	REG	
KANTH SUDEEPT HI MUKTHA VARAPU	DTXPK 8550E	M.SC	10/06/ 2015	Physic s	Assist ant profes sor	20/06/ 2018	75	75	75	YES	REG	
CHOUTA KURA SWAPNA	BWHPC 4646L	M.SC	10/06/ 2018	Physic s	Assist ant profes sor	23/07/ 2018	75	75	75	YES	REG	
ALWA SWATHI	NYEPS5 933K	M.SC	06/11/ 2008	Physic s	Assist ant profes sor	20/06/ 2018	75	75	75	YES	REG	
BANDAR APU PAVANI	CFYPB6 348K	M.Sc	20/06/ 2016	Physic s	Assist ant profes sor	12/08/ 2022	50	0	0	YES	REG	
VISHLAK SHI GADDA M	CLXPV 0156L	M.SC	25/11/ 2022	Physic s	Assist ant profes sor	30/11/ 2022	50	0	0	YES	REG	
GORRIPA RTHI VARALA KSHMI	AQIPG6 699M	M.SC	04/07/ 2007	Analyti cal Chemi stry	Assist ant profes sor	20/12/ 2021	75	0	0	YES	REG	
KOTHA SRAVAN THI	DXBPK 7981M	M.SC	29/01/ 2014	Chemi stry	Assist ant profes sor	10/12/ 2020	50	0	0	YES	REG	
RAJESH ANANTH ULA	BRBPA 1599M	M.SC	16/11/ 2013	Organi c Chemi stry	Assist ant Profes sor	28/02/ 2021	50	0	0	YES	REG	
KURREM ULA SRIKANT H	HFSPK7 850G	M.SC	09/07/ 2010	Organi c Chemi stry	Assist ant Profes sor	06/11/ 2020	50	0	0	YES	REG	
CHINTH A BHAVAN I	AVYPC 1226H	M.SC	10/06/ 2012	Organi c Chemi stry	Assist ant Profes sor	08/09/ 2018	50	50	50	YES	REG	
K SANDHY A	CXLPK 3806L	M.Sc	19/12/ 2012	Organi c Chemi stry	Assist ant Profes sor	17/11/ 2022	50	0	0	YES	REG	

CSE – Self Assessment Report

KADA ANUSHA	MJQPK 1868R	M.Sc	23/06/2016	Analytical Chemistry	Assistant Professor	08/08/2022	50	0	0	YES	REG	
MANI KUMAR	CCWP M9732P	M.A	9/06/2007	English	Assistant Professor	24/09/2012	60	60	60	YES	REG	
SURESH BABU	BKUPK 9512L	M.A	10/06/2007	English	Assistant Professor	02/01/2015	50	50	50	YES	REG	
RAVEEN DRANATH MULE	BDMP M2301N	M.A	05/12/2012	English	Assistant Professor	11/07/2022	75	0	0	YES	REG	
PRANEETH GANKIDI	AVZPG 1432C	M.A	05/12/2012	English	Assistant Professor	23/11/2021	75	0	0	YES	REG	
GANNERLA SOWJANYA	NPXPS1 977B	M.A	13/09/2017	English	Assistant Professor	12/08/2022	50	0	0	YES	REG	
JAYALA KSHMI MEDIKONDA	AXBPM 9888L	M.A	27/12/2011	English	Assistant Professor	25/10/2022	50	0	0	YES	REG	
APPIDI SATHISH REDDY	BMVPA 4098L	M.TECH	22/06/2017	Power Electronics	Assistant Professor	13/06/2016	75	75	75	YES	REG	
GAVINI SAI LATHA	BBDPG 5270K	MBA	05/10/2011	HR	Assistant Professor	22/07/2015	30	30	30	YES	REG	
LAKSHMI TOLAPI	AKCPT 0079N	M.SC	19/06/2009	ES	Assistant Professor	11/12/2015	60	60	60	YES	REG	
MALLELA SUDHARANI	BWIPM 1758G	M.TECH	22/10/2016	CAD, CAM	Assistant Professor	02/11/2021	60	0	0	YES	REG	
MEDISET TILAXMI VENKATA	CAPPM 0720E	M.TECH	18/11/2015	CAD, CAM	Assistant Professor	20/10/2021	60	60	60	YES	REG	
PARSHA POGU VIJAY PAUL	AVNPV 2490D	M.TECH	28/08/2021	PE	Assistant Professor	01/10/2021	75	0	0	YES	REG	

CSE – Self Assessment Report

DIVYA JOGU	CCRPJ2 853H	M.TE CH	18/09/2021	Geo Techni cal Engine ering	Assist ant Profes sor	07/09/2021	75	0	0	YES	REG	
SRINATH DODDI	DDVPD 4374R	M.TE CH	18/09/2021	Structu ral Engine ering	Assist ant Profes sor	01/11/2021	75	0	0	YES	REG	
CHINNA RAMATE NKI	CHTPR 7025N	M.TE CH	08/10/2020	Machi ne design	Assist ant Profes sor	06/09/2021	75	0	0	YES	REG	
MECHIN ENIPAVA NI	FMSPP2 219B	M.TE CH	12/09/2008	CSE	Assist ant Profes sor	22/11/2021	50	0	0	YES	REG	
MAMAT HA RANERU	DVPPR 5646E	M.TE CH	16/10/2020	CSE	Assist ant Profes sor	02/12/2021	50	0	0	YES	REG	
CHUKKA RANJITH	DRTPR 3466J	M.TE CH	19/01/2019	SIGN AL SYST EMS	Assist ant Profes sor	03/06/2019	50	0	0	YES	REG	
GONGITI RAJESH WARI	AKJPG5 009J	MBA	07/04/2020	FINA NCE	Assist ant Profes sor	07/07/2022	0	0	0	YES	REG	
V CHANDR A SHEKAR	AYOPS 7650N	M.TE CH	01/12/2003	CSE	Assso ciate profes sor	19/08/2019	0	0	50	YES	REG	30/06/2021
Dr.KRISH NA MURTY RAMASU BRAMAN IAN	AXYPK 5995M	M.TE CH / PHD	17/10/2019	CSE	PROF ESSO R	28/07/2015	0	0	50	YES	REG	31/05/2021
DR.SYED AZAHAD	DLBPS5 224K	M.TE CH / PHD	31/10/2019	CSE	Assist ant profes sor	01/12/2017	0	0	50	YES	REG	31/05/2021
S. VAMSI KRUSHN A	CDEPS3 173B	M.TE CH	12/02/2014	CSE	Assist ant profes sor	01/07/2016	75	75	75	YES	REG	
JUPALLI RAJAKU MARI	MBVPK 0068G	M.TE CH	29/12/2009	CSE	Assist ant profes sor	01/12/2021	50	50	0	YES	REG	

CSE – Self Assessment Report

A KIRAN KUMAR REDDY	AVFPK 9728H	M.TE CH	01/04/ 2014	CSE	Assist ant profes sor	17/12/ 2015	0	50	50	YES	REG	02/0 5/ 2022
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YEAR	Number of students (intake,N)	Number of faculty members (Considering fractional load F)	FYSFR(N/F)	Assessment = $(5*20)/FYSFR$ (limited to Max.5)
2020-21 (CAYm2)	283	18	16	5.00
2021-22 (CAYm1)	338	21	16	5.00
2022-23 (CAY)	394	22	18	5.00
AVERAGE	279	17	16	5.00

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 post graduate Qualification)	RF (Number of Faculty members required as per SFR of 20 : 1	Assessment of Faculty Qualification [$(5X+3Y) / RF$]
2020-21	1	14	14	2
2021-22	1	22	17	4
2022-23	1	28	24	3

Average Assessment: 3.00

8.3 First Year Academic Performance (10)

Academic Performance	2021-22	2020-21	2019-20
Mean of CGPA or mean percentage of all successful students(X)	66.00	71.00	62.00
Total Number of successful students(Y)	28.00	44.00	38.00
Total Number of students appeared in the examination(Z)	45.00	60.00	51.00
API [$X*(Y/Z)$]	38.58	52.07	46.20

Average API $[(AP1+AP2+AP3)/3]$: 45.62

Assessment $[1.5 * \text{Average API}]$: 45.62

8.4 Attainment of Course Outcomes of first year courses (10)**8.4.1 Describe the assessment processes used to gather the data upon which the evaluation of Course Outcomes of first year is done (5)**

The key aspects in Outcome-Based Education (OBE) are the assessment of course outcomes. At the initial stage of OBE implementation, the Course Outcomes (COs) for each course are defined based on the Programme Outcome (POs) and other requirements. At the end of each course, the COs needs to be assessed and evaluated, to check whether it has been attained or not.

Assessment is one or more processes, carried out by the department, that identify, collect, and prepare data to evaluate the achievement of Programme Educational Objectives and Programme Outcomes.

CO Assessment Processes

Assessment tools are categorized into two methods to assess the course outcomes as:

Direct methods and indirect methods.

1. Direct method displays the student's knowledge and skills from their performance in the continuous internal assessment tests, semester examinations, seminars, and class room and laboratory assignments etc. These methods provide a sampling of what students know and/or can do and provide strong evidence of student learning.

2. Indirect method includes student feedback on facilities, learning artifacts and course end survey that reflects the student's learning

Course Outcome is assessed in view of the performance of students in internal assessment, university examination of a Course and Course end survey. Direct assessment contributes 80% and indirect assessment contributes 20%. From direct assessment internal assessment contributes 25% and university assessment contributes 75% to the aggregate attainment of a CO.

Direct Assessment Method**Table: Direct Assessment Tool**

S.no	Direct Assessment	Method Description
1	Internal Assessment Test	The Internal Assessment marks in a theory paper shall be based on two tests generally conducted at the end of 6 and 14 weeks of each semester. At the end of 14th week pre final examination may be conducted. An improvement test may be conducted for the desirous students before the end of the semester to give an opportunity to such students to improve their Internal Assessment Marks. It is a metric to continuously assess the attainment of course outcomes w.r.t Course Objectives. Average of the two tests shall be the Internal Assessment Marks for the relevant subject.
2	Lab Assignments	Lab Assignment can be one of the measuring criteria to mainly assess student's practical knowledge with their designing capabilities. In case of Practical, the internal assessment marks shall be based on the laboratory records and two practical test.
3	Mid Examination	The examination pattern prescribed by the University is strictly followed. Two internal (mid) exams- mid exam 1 & mid exam 2- are conducted and two assignments (1 & 2) are given in each semester. In each of the two exams, each student is evaluated for 25 marks with the following split- up: - Descriptive test with the question paper set by concerned

		faculty: 10 marks - Objective type test with the question paper set by university: 10 marks - Assignment set by course teacher: 5 marks
4	Theory and Practical Semester End Examination	Semester End Examination (Theory or Practical) are the metrics to assess whether all the course outcomes are attained or not by the course owner. Semester End Examination is more focused on attainment of the course outcomes and uses a descriptive exam.

As per the JNTU regulations, the marks allotted to theory are 25% and practical 25% for internal assessment. The remaining 75% is done at university end assessment. The university end examinations are conducted at a center other than this college. Though the percentage of internal assessment is low, it is to be covering a large number of course objectives. The internal examination and the prescribed marks are to be complied with the regulation. Therefore, the scope for comprehensive assessment is less. In this frame work, the college conducts the components depicted in the above Table.

The internal assessment evaluation is separately compiled and graded to understand the process.

In the present analysis, the attainment levels are expressed in terms of the grades (3, 2 and 1) in accordance with the following rules:

Attainment Level 3: Greater than 60% of the students are scoring more than targeted value which is above the average of each Course Outcome in the internal examination.

Attainment Level 2: Between 50 to 59% of the students are scoring more than targeted value which is above the average of each Course Outcome in the internal examination.

Attainment Level 1: Between 40 to 49% of the students are scoring more than targeted value

which is above the average of each Course Outcome in the internal examination.

The same yardsticks are applied to external evaluation. It is based on the results of the Examinations conducted by university at the end of each semester. However, the institute doesn't have access to the answer scripts and evaluation of individual course outcomes is not possible. University authorities provide us with the information on the marks/grades scored by each student in each course. The attainment levels are expressed in terms of the grades (3, 2 and 1) in accordance with the following rules:

Attainment Level 3: Greater than 60% of the students are scoring more than the University average percentage marks or set attainment level in the final examination

Attainment Level 2: Between 50 to 59% of the students are scoring more than the University average percentage marks or set attainment level in the final examination

Attainment Level 1: Between 40 to 49% of the students are scoring more than the University average percentage marks or set attainment level in the final examination

Indirect Assessment

Table: Indirect assessment methods

S.No	Indirect Assessment	Description
1	Course End Survey	Collect variety of information about course studied at the end of the semester
2	Learning Artifact	Students are allowed to display their knowledge in a public forum (usually the classroom). Artifacts are in the form of paintings, drawings, sculptures, project models, paper presentation etc.

$$\text{Final CO Attainment (A)} = (0.8 * \text{Direct Attainment}) + (0.2 * \text{indirect Attainment})$$

8.4.2 Record the attainment of Course Outcomes of all first year courses (5)**Table: Attainments of Course Outcomes for all Courses**

S.No	Subject Code	Subject Name	CO1	CO2	CO3	CO4	CO 5
FIRST SEMESTER							
1	C111	Mathematics - I	1.57	1.58	1.5	1.5	1.38
2	C112	Chemistry	1.56	1.57	1.55	1.55	1.47
3	C113	Basic Electrical Engineering	1.6	1.65	1.6	1.51	1.36
4	C114	Engineering Workshop	2.22	2.21	2.2	2.17	2.07
5	C115	English	1.84	1.83	1.76	1.7	1.62
6	C116	Engineering Chemistry Lab	2.06	2.05	2.06	2.03	1.82
7	C117	English Language and communication skills lab	2.18	2.17	2.15	2.12	1.9
8	C118	Basic Electrical Engineering lab	2.03	2.03	2.01	1.88	1.63
SECOND SEMESTER							
9	C121	Mathematics - II	1.59	1.57	1.52	1.52	1.32
10	C122	Applied Physics	1.59	1.58	1.57	1.47	1.33
11	C123	Programming for Problem Solving	1.52	1.52	1.5	1.33	1.17
12	C124	Engineering Graphics	1.14	1.57	1.56	1.48	1.29
13	C125	Applied Physics Lab	2.16	2.15	2.04	1.91	1.72
14	C126	Programming for Problem Solving Lab	1.93	2.06	1.93	1.87	1.78

8.5 Attainment of Program Outcomes from first year courses (20)

8.5.1 Indicate results of evaluation of relevant PO and/ or PSO, if applicable (15)

PO attainment:

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C111	1.5	1.5	1.5	1.5	1.5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C112	1.54	0.82	0.62	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C113	1.54	1.03	0.51	0.09	1.11	0.39	PO7	0.3	0.73	0.41	0.82	1.03
C114	2.03	2.17	2.17	0.72	1.45	1.31	PO7	PO8	PO9	PO10	PO11	1.45
C115	1.04	PO2	PO3	PO4	PO5	PO6	PO7	0.93	1.07	0.93	PO11	1.38
C116	2	1.06	1.34	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C117	1.26	PO2	PO3	PO4	PO5	PO6	PO7	1.11	1.28	1.13	PO11	1.67
C118	1.91	1.28	0.64	0.14	1.64	0.75	PO7	0.37	0.77	0.74	0.91	1.28
C121	1.5	1.5	1.5	1.5	1.5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C122	1	0.92	0.2	0.79	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C123	1.22	1.06	1.06	0.1	PO5	PO6	PO7	PO8	PO9	PO10	PO11	0.17
C124	1.41	1.41	1.41	0.37	0.97	0.84	PO7	PO8	PO9	PO10	PO11	0.94
C125	1.33	1.22	0.26	1.04	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C126	1.53	1.03	1.03	0.36	PO5	PO6	PO7	PO8	PO9	PO10	PO11	0.24

PO attainment level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Direct attainment	1.49	1.25	1.02	0.66	1.36	0.82	0	0.68	0.96	0.80	0.86	1.02
CO attainment	1.49	1.25	1.02	0.66	1.36	0.82	0	0.68	0.96	0.80	0.86	1.02

PSOs Attainment:

Course	PSO1	PSO2	PSO3
C111	1.5	PSO2	PSO3
C112	PSO1	PSO2	PSO3
C113	1.12	0.42	PSO3
C114	1.45	1.60	PSO3
C115	0.58	PSO2	PSO3
C116	PSO1	PSO2	PSO3
C117	0.7	PSO2	PSO3
C118	1.28	1.28	PSO3
C121	1.5	PSO2	PSO3
C122	0.3	0.4	PSO3
C123	1.22	0.4	PSO3
C124	0.94	1.01	PSO3
C125	0.4	0.53	PSO3
C126	1.39	0.49	0.36

PSO attainment level

Course	PSO1	PSO2	PSO3
Direct attainment	1.03	0.77	0.36
CO attainment	1.03	0.77	0.36

8.5.2. Actions taken based on the results of evaluation of relevant POs (5)

POs Attainment Levels and Actions for improvement-(2021-22)

POs	Target Level	Attainment Level	Observations
PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.			
PO1	1.5	1.57	Target attained but need some improvement
Action1: ----			
PO2: Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.			
PO2	1.5	1.42	Mathematics & electrical subjects need to be focused more

Action1: Tutorial classes to be conducted on the above subjects			
Action2: Assignment Questions quality to be improved			
PO3: Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.			
PO3	1.5	1.16	Attainment for EP & BEE are low
Action1: More exercises and practice work to be done on circuits in BEE			
Action2: Tutorial classes to be conducted to attain in EP			
PO4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.			
PO4	1.5	0.92	Attainment for courses EG and 'C' are low
Action1: CO2 & CO3 of EG can be improved to achieve the attainment level			
Action2: Extra classes for both theory and practical to be conducted to attain the level in 'C'			
PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations			
PO5	1.5	1.18	Attainment was low in EP & EM
Action1: Students are being exposed to modern tools in mechanics			
PO6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.			
PO6	1.5	0.88	Attainment was found to be low
Action1: Regularly visited places around the college to identify social problems			
PO7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.			
PO7	1.5	0.61	Attainment for EC course was found to be low
Action1: More environmental related topics can be taught so that students can have knowledge related to Sustainability			
PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.			
PO8	1.5	0.82	Attainment for English was low
Action1: Topics on moral ethics can be added in English course			
PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.			

PO9	1.5	0.83	Attainment was found to be low
Action1: Students need to function effectively as an individual and as a member in teams			
PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.			
PO10	1.5	0.86	Attainment for course ENGLISH was found to be low
Action1: Students could communicate effectively on complex engineering activities with the engineering community by participating in co-curricular activities			
PO11: Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.			
PO11	1.5	0.86	Attainment for BEE was low
Action1: Guest talk to be conducted on time management and team work Action2: CO-PO mapping for BEE course to be improved			
PO12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.			
PO12	1.5	0.80	Attainment was found to be low
Action1: Students are taught fundamentals in clear manner so that they can apply for their lifelong learning			

PSOs Attainment levels and Actions for Improvement – (2021-22)

PSOs	Target level	Attainment level	Observations
PSO1: Professional Skills: Understand, analyze and develop software solutions.			
PSO 1	1.5	1.25	Attainment was found to be low
Action1: Training programs are conducted to focus on helping students solve technology based problems Action2: Skills to be improved in students by organizing Guest talks by experts in engineering			
PSO2: Advanced Computing Skills: Provide solutions for real world problems with a broad range of programming languages and open source platforms in various computing domains.			
PSO 2	1.5	0.87	Attainment was found to be low
Action1: Students develop the ability to work with community , understand their problems and to develop technological solutions			

PSO 3: Interdisciplinary Solutions: Apply standard principles, practices and strategies for software development.			
PSO 3	1.5	0.81	Attainment was found to be low
Action1: Additional classes to be conducted			
Action2: Practical approach of teaching programming to be adapted			

9 STUDENT SUPPORT SYSTEMS

9.1 Mentoring system to help at individual level (5)

Details of Mentoring System:

An effective Student Mentoring system has already been implemented in our college

- For each group of 15-20 students in a class a mentor/counselor is appointed who is entrusted with the duty of collecting data with regard to each student.
- A handbook containing a wide range of fields encompassing student's personal data, family back ground, attendance pattern, academic performance, negative traits, emotional quotients etc. is maintained.
- Perusal of the data enables the mentor to decide on the type of corrective action to be taken, in consultation with the HOD and course teachers to support the student to come out of the problems, if any.
- Students are counseled individually, aided therapeutically and are supported in their aspirations related to academic, career plans; to air their grievances and cope with issues which may impede their progress in the above areas.
- Regular orientation programs and Parent meetings are conducted for bringing parents into the monitoring / mentoring system as key stake-holders.
- Follow up sessions with the parents of the students who have poor performance and attendance are regularly arranged to enable their wards to improve their attendance and performance.

Roles & Responsibilities of a Counselor:

- To maintain Personal information of the students.
- To maintain previous academic Record.
- To motivate the student towards their studies and development of overall personality and skills.
- To motivate the students to participate in various co-curricular and extracurricular activities.
- To identify student's problem and guide them to overcome it. Wherever necessary the counselor interacts with administration, HoD and Principal to alienate the student's issues like issues related to payment of dues, etc.
- To segregate allotted students as merit, average, poor and guide them properly.
- To encourage peer group in students to enhance their skills (academics & nonacademic activities).
- Maintain parent teacher relation and inform the progress of their ward.
- To meet the students periodically, monitor their performance and activities.

Table: Description of mentoring system

S.No	Type of Mentoring System	Functions
1	Professional Guidance	Encourage students to discuss their ideas on paper presentations. Motivate them to expand their domain knowledge base by participating in competitions such as Quiz.
2	Academic Guidance	Focus on academically weak students, by providing them with additional reading materials, model questions along with solutions and special make-up classes.
3	Career Advancement	Provide Career Guidance/CRT and other Training apart from arranging campus recruitment drives by the Training & Placement Cell.
4	Laboratory Specific	Counsel irregular students to laboratory classes to attend regularly and complete backlog experiments during specified extra hours.
5	Personal Development	To counter and cope emotional, mental, social and environmental challenges of students through student-counselor interaction

Table: Mentor List for the A.Y 2022-23

S.No	Name of the mentor	Year/ Sec	Hall Ticket Nos		No. of students
			From	To	
1	Mr.Chawhan Ravikumar	IV	18U11A0535	19U11A0514	16
2	Mrs.Shivaleela Mamillapally	IV	19U11A0515	19U11A0532	17
3	Mrs.Divya Palakollu	IV	19U11A0533	19U11A0549	17
4	Mrs. Rajini Avulla	IV	19U11A0550	19U11A0506	18
5	Mr.Murali Krishna Cheruku	III	20U11A0502	20U11A0516	15
6	Mrs.Ramchandran Rampriya	III	20U11A0517	20U11A0531	14
7	Mr.K.Vamshi Krishna	III	20U11A0532	20U11A0545	13
8	Mr.Vemula Pranay	III	21U15A0501	21U15A0515	13

9	Mrs.Doddi Kousari kumari	II	21U11A0501	21U11A0517	17
10	Mr K.Sunil kumar	II	21U11A0518	21U11A0535	17
11	Mrs .CH.Preethi	II	21U11A0536	21U11A0553	17
12	Mrs.Vishaka Parage	II	21U11A0554	22U15A0508	18

Table: Mentor List for the A.Y 2021-22

S.No	Name of the mentor	Year/ Sec	Hall Ticket Nos		No. of students
			From	To	
1	Mr.A.Kiran Kumar Reddy	IV	16U11A0508	18U11A0511	18
2	Mr.Ravikumar Chawan	IV	18U11A0512	18U11A0527	14
3	Mrs.Avulla Rajinidevi	IV	18U11A0528	18U11A0544	14
4	Mr.Vemula Pranay	IV	18U11A0544	18U15A0510	14
5	Mrs.Peddaboina Yamuna	III	18U11A0535	19U11A0512	15
6	Mrs.DoddiKumari Kousari	III	19U11A0513	19U11A0528	15
7	Mrs.Samreen	III	19U11A0529	19U11A0543	15
8	Mrs.HarivanamNaga Chandrika	III	19U11A0544	19U11A0556	11
9	Mrs.Shivaleela Mamillapally	III	19U11A0557	20U15A0506	11
10	Mrs.Palakollu Divya	II	20U11A0502	20U11A0516	15
11	Mr.K.Sunil Kumar	II	20U11A0517	20U11A0531	14
12	Mr.MuralKrishna Cheruku	II	20U11A0532	20U11A0545	13
13	Mrs.Preethi Challakonda	II	21U15A0501	21U15A0515	13

Table: Mentor List for the A.Y 2020-21

S.No	Name of the mentor	Year/ Sec	Hall Ticket Nos		No. of students
			From	To	
1	Mr.K.Vamshee Krishna	IV	16U11A0508	18U11A0505	12
2	Mr.Ravikumar Chawan	IV	18U11A0506	18U11A0517	12
3	Mr.Raghavendra Marpudi	IV	18U11A0519	18U11A0532	12
4	Mrs.Avulla Rajinidevi	IV	18U11A0533	18U11A0550	12
5	Mrs J.Priya	IV	18U11A0551	18U15A0510	10
6	Mrs.Peddaboina Yamuna	III	18U11A0535	19U11A0512	15

CSE – Self Assessment Report

7	Ms.G.Radha Devi	III	19U11A0513	19U11A0528	15
8	Mrs.CH.Preethi	III	19U11A0529	19U11A0543	15
9	Mrs.HarivanamNaga Chandrika	III	19U11A0544	19U11A0556	11
10	Mrs.Shivaleela Mamillapally	III	19U11A0557	20U15A0506	11
11	Mrs.Palakollu Divya	II	20U11A0501	20U11A0514	14
12	Mrs.Vemula Rupa	II	20U11A0515	20U11A0528	14
13	Mr.MuralKrishna Cheruku	II	20U11A0529	20U11A0542	13
14	Mrs.Preethi Challakonda	II	20U11A0543	21U15A0511	13

Table: Mentor List for the A.Y 2019-20

S.No	Name of the mentor	Year/ Sec	Hall Ticket Nos		No. of students
			From	To	
1	Mr.Raghavandra Marpudi	IV	166Z1A0502	166Z1A0521	11
2	Mrs.Vemula Rupa	IV	166Z1A0522	16U11A0513	11
3	Ms.Radha Devi G	IV	16U11A0517	16U11A0530	11
4	Mr.Yedukondalu Gamidelli	IV	16U11A0531	16U11A0544	11
5	Mr.A Kiran Kumar Reddy	IV	16U11A0545	17U15A0508	09
6	Mrs.Harivanam Naga Chandrika	III	15QN1A0515	17U11A0508	11
7	Mrs.Shivaleela Mamillapally	III	17U11A0509	17U11A0522	11
8	Mrs.Yamuna Peddaboina	III	17U11A0523	17U11A0533	11
9	Mrs.Divya Pallakolu	III	17U11A0535	17U11A0549	11
10	Mrs.Priyanka Kokonda	III	17U11A0552	18U15A0509	14
11	Mrs.Anusha Reddy Kundanapally	II	16U11A0508	18U11A0506	11
12	Mrs M.Srilatha	II	18U11A0507	18U11A0517	11
13	Mr.Chawhan Ravikumar	II	18U11A0519	18U11A0531	11
14	Mr.Sayana Ramesh	II	18U11A0532	18U11A0547	11
15	Mrs.J.Priya	II	18U11A0548	19U15A0508	11

9.2 Feedback analysis and reward /corrective measures taken, if any (10)

Feedback on faculty teaching performance is taken from students through a well-defined format in the middle of the semester

Feedback collected for all courses: YES

Average Percentage of students who participate: more than 85%

Specify the feedback analysis process: Through manual procedure

- The feedback system is confidential and collected twice a year through manual procedure.
- Feedback collected through students' evaluation form for all students at least once a semester in a range of 5-point scale.
- On the basis of that overall rating conceived based on the students' feedback.
- On the basis of that overall rating conceived based on the feedback given by the students.
- Feedback analysis process framed by the instate covers various aspects such as delivery of lecture, depth of subject, audibility, interaction, etc
- Students overall evaluation was collected by framing some set of questions based on teaching/Learning methodology.
- Corrective measures and action are taken by the HOD based on the feedback analysis with the individual faculty members involved.

Methodology followed for feedback analysis and its effectiveness of feedback analysis

1. Feedback collection process
2. Feedback assessment process
3. Corrective measures

Feedback collection process

Feedback mechanism is well-organized system, defined specific to the college and is uniform for all the departments.

Items	Description
Feedback collection process	YES
Feedback receiver	HOD
Frequency of feedback collection	Once in a semester (but oral feedback from Class Representatives through student council is taken by HOD almost every month)

Metrics used for calculation	5- Excellent 4 -Very good 3-Good 2-Average 1-Poor or needs to be improved
Purpose of comment	For improving the quality of teaching-learning



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

STUDENT FEEDBACK ON TEACHERS

A.Y	BRANCH	Year - Semester	Date
2021-2022	CSE (C)	4th	20-12-21

This questionnaire is intended to collect information relating to your satisfaction towards the teachers. The information provided by you will be kept confidential and will be used as feedback for quality improvement.

Directions: A score for each item please indicate your level of satisfaction with the following statement by choosing between 1 and 5.

*Rating: Excellent (5), Very Good (4), Good (3), Average (2), Poor (1)

S.No.	Questions	ADE					COA					COSM					DS					C++				
		5	4	3	2	1	5	4	3	2	1	5	4	3	2	1	5	4	3	2	1	5	4	3	2	1
1.	Teacher comes to Class on time	✓										✓					✓					✓				
2.	Teaching is well planned		✓					✓				✓					✓					✓				
3.	Teacher makes objectives clear	✓						✓				✓					✓					✓				
4.	Subject matter organized in logical sequence		✓					✓				✓					✓					✓				
5.	Teacher comes well prepared in the subject			✓				✓				✓					✓					✓				
6.	Teacher speaks clearly and audibly	✓						✓				✓					✓					✓				
7.	Teacher writes and draws legibly	✓						✓				✓					✓					✓				
8.	Teacher explains with examples clearly		✓					✓				✓					✓					✓				
9.	Teaching pace is good; Not very fast		✓					✓				✓					✓					✓				
10.	Teachers offers assistance and counseling	✓						✓				✓					✓					✓				
11.	Teacher asks relevant questions for interaction	✓						✓				✓					✓					✓				
12.	Teacher encourages raising doubts	✓						✓				✓					✓					✓				
13.	Teacher ensures learning of subject	✓						✓				✓					✓					✓				
14.	Teacher encourages originality and creativity		✓					✓				✓					✓					✓				
15.	Teacher is courteous and impartial	✓						✓				✓					✓					✓				
16.	Teacher is regular and maintains discipline	✓						✓				✓					✓					✓				
17.	Teacher covers the syllabus at appropriate pace			✓				✓				✓					✓					✓				
18.	Teacher holds quizzes, seminars regularly	✓						✓				✓					✓					✓				
19.	Teacher correction of scripts fair and impartial	✓						✓				✓					✓					✓				
20.	Teacher promptly values and returns papers	✓						✓				✓					✓					✓				
TOTAL																										

Remarks: (if any)

Date: 20-12-21

Signature

Feedback assessment process

The feedback collected from students is analyzed by Department Advisory Board (DAB). Performance of each individual faculty is assessed and corrective measures are listed (if any). Feedback will be shared to individual faculty with necessary advice on the factors to be improved.

Table: Feedback Assessment Process Steps

Steps	Description
Step-1	Collection of feedback forms from the students based on parameters specified in questionnaire.
Step-2	Estimation of average for all the parameters and calculation of cumulative which is called as the Faculty Performance Index (FPI).
Step-3	After the recommendations of DAB, FPI will be finalized. The minimum required value is 80%.
Step-4	If the FPI exceeds 80%, it will be considered as good. If it is less, the faculty Performance is considered as “needs to be improved”.
Step-5	If faculty receives performance <80%, they are counseled and allowed them to improve their performances.



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ANALYSIS OF STUDENT FEEDBACK ON TEACHERS

II B.TECH I SEM-CSE

Total Number of Students Participated in the Feedback: 52

(A.Y 2021-2022)

S.No	Questions	COSM				
		5	4	3	2	1
1	Teacher comes to Class on time	24	10	9	9	
2	Teaching is well planned	32	8	8	4	
3	Teacher makes objectives clear	28	8	11	5	
4	Subject matter organized in logical sequence	45	2	5		
5	Teacher comes well prepared in the subject	32	5	7	6	2
6	Teacher speaks clearly and audibly	33	8	7	4	
7	Teacher writes and draws legibly	39	2	6	5	
8	Teacher explains with examples clearly	28	9	10	4	
9	Teaching pace is good; Not very fast	37	2	6	5	2
10	Teachers offers assistance and counseling	34	5	8	4	
11	Teacher asks relevant questions for interaction	35	5	6	4	1
12	Teacher encourages raising doubts	25	10	8	8	
13	Teacher ensures learning of subject	44	2	3	3	
14	Teacher encourages originality and creativity	35	4	8	4	1
15	Teacher is courteous and impartial	34	5	8	4	1
16	Teacher is regular and maintains discipline	25	9	8	9	
17	Teacher covers the syllabus at appropriate pace	45	2	3	2	
18	Teacher holds quizzes, seminars regularly	25	10	8	9	
19	Teacher correction of scripts fair and impartial	45	2	5		
20	Teacher promptly values and returns papers	26	9	8	9	

Corrective Measures:

The teacher is shown every feedback. If the feedback is less than 60% the teacher is advised by the concerned HOD to improve his/her teaching methodology and are suggested to attend Faculty Development Programs organized in-house as well as other colleges / universities in subjects of faculty focus.

9.3 Feedback on facilities (5)

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

Feedback on facilities (Format enclosed). A standard procedure for feedback on facilities is taken up in the department as per the following steps:

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

Following are the process of feedback on facilities.

1. Feedback collection process
2. Feedback analysis
3. Corrective measures

Items	Description
Feedback collected about all facilities provided by the college	YES
Feedback collection process	Manual
Frequency of feedback collection	Once in an academic year
Metrics used for calculation	5-Excellent 4-Very Good 3-Good 2-Average 1-Poor
Purpose of comments	For improving quality of facilities

Fig : Sample Feedback Collection Form on College Facilities


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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FEEDBACK FORM ON INFRASTRUCTURE AND FACILITIES

As part of Continuous Quality Improvement, your feedback is valuable as it helps us to develop and improve our standards on facilities and services.

Name of the student (Optional): N. Mounika Year of graduation: III B.Tech

Registered Number (Optional): BU1A0520 Branch: CSE

E-Mail ID: _____ Contact No: _____

Please give a rating based on 5: Excellent, 4: Very Good, 3: Good, 2: Average, 1: Poor
(A.Y 2020-2021)

S.No.	Questions	5	4	3	2	1
1.	Lighting and Ventilation in classrooms	✓				
2.	Audio&Video Quality in Smart Classroom		✓			
3.	Quality and Quantity of Furniture	✓				
4.	Cleanliness in classroom and lab		✓			
5.	No of Computers sufficient for all students		✓			
6.	Availability of Software			✓		
7.	Hygiene and quality of food in canteen			✓		
8.	Maintenance of Washrooms			✓		
9.	Quality & availability of drinking Water			✓		
10.	Enough space available to play sports in college		✓			
11.	Motivation from institute authorities to participate and other college fest		✓			
12.	Availability of busses in all routes & Timings	✓				
13.	Availability of books/Journals in library				✓	
14.	Canteen timings, hygiene, service			✓		
15.	Overall Impression on the Institution		✓			

Any other suggestions for improvement: Need More books to students distribution in library.

Signature: 

2) Feedback analysis

The feedback given by the students is consolidated and analyzed. The Principal discuss about the consolidated report with the management and come out with necessary actions.

3) Corrective measures

Some of the corrective actions initiated are:

- ✓ Student Recreation Centre
- ✓ Canteen facility was improved
- ✓ Washrooms are maintained in hygienic way
- ✓ Laboratory facilities were improved

9.4 Self-Learning (5)

Plenty of opportunities are available for self-learning to the students without the direct help of any teacher. These include:

- ✓ Library
- ✓ Departmental Library
- ✓ Professional Bodies
- ✓ Seminars & Workshops
- ✓ Additional Assignments
- ✓ Institute Website.
- ✓ Digital Library
- ✓ Incubation Center
- ✓ Industrial Visits

S.No.	Self-Learning Process	Description
1	Library	The college library provides information and ideas that are fundamental to function successfully in today's information and knowledge-based society.
2	Departmental Library	The department is facilitated with books for students. Many PPT'S are also stored in the department library
3	Professional Bodies / Other Association	Joining a professional association will be one of the most important activities in a student's career. To increase knowledge in their own fields, expand networking possibilities or jump start to job hunt, a professional association membership is an option which is worth exploring. All career options corresponding to professional association offer valuable information and resources for their career enhancement. Our students possess membership in different professional bodies like ISTE, CSI.

4	Seminars & Workshops	Seminars and Workshops are conducted frequently in the department level which help students to interact with industry experts, research persons, entrepreneurs and small business partners.
5	Assignments	Enables students to go through the topic in a more elaborate manner which lead to an overall better learning experience for students.
6	Institute Website	The college website provides e-notes, PPT'S of all the subjects.
7	Digital Library	Enables Students to instantly access educational content such as magazines, articles, books, papers, images, sound files and videos on a digital support
8	Incubation Center	Helps students to get first-hand experience in entrepreneurship, promote innovation driven activities at the institute.
9	Industrial Visits	Provides an opportunity to plan, organize and engage in active learning experiences both inside and outside the class room. Provides an insight into the real world.

9.5 Career Guidance, Training, Placement (10)

A well-established Career Guidance Cell strives to increase the employability quotient and competency level of the young mind. The Cell establishes a gradual training plan which goes hand in hand with the academic syllabus. It works round the year in building strong networks in the HR fraternity to fetch recruitment opportunities of various Industries.

Key Features:

- **Exclusively Dedicated Team**
- **Skill Enhancement Partners**
- **Customized training Curriculum**
- **Orientation on various career avenues in Higher education**
- **Strong client network**
- **Paid Internships**
- **Live Projects**
- **Mentoring sessions from the day 1.**
- **Career grooming services**
- **Campus to Corporate Transformation**

The facilities are elaborated below:

1. Training

a) Campus recruitment training (**CRT**) program of 60 to 120 hrs. of duration is being conducted at each academic year.

- b) CRT is mandate for the students for II, III & IV year of all branches.
- c) Identified Training companies are invited to submit quotation and the best of them is elected to execute the CRT (Campus recruitment training), duly customized as per the market demands.

- Aptitude
- Logical reasoning
- Communication skills
- Group discussion
- Interview skills

d) Awareness Sessions on GRE/TOFEL are also conducted and eminent Industry Experts are invited to deliver the same

2. Career Guidance

Career Guidance Cell strives round the year as an Industry Interface and Subject Experts are called upon to share their experiences in terms of Know-how of Industry requirements as a part of Guest Lectures

3. Infrastructure for Placement Drives

- a) Career Guidance Cell has a well equipped Seminar hall to enable the Pre Placement Talk and student orientation on the respective company.
- b) A Digital Lab is made available with highly configured computer systems to cater online testing requirements during the Campus Drive selection process.

Academic Year	Name of the Training Partner
2022-23	TTLS (Train to learn Skills) Pvt Ltd
2021-22	TTLS (Train to learn Skills) Pvt Ltd
2021-22	Enroots Training Academy Pvt Ltd
2020-21	Equip Learning Solutions Pvt Ltd
2020-21	Equip Learning Solutions Pvt Ltd
2019-20	Imparta Training Solutions pvt ltd
2019-20	Imparta Training Solutions pvt ltd
2018-19	Imparta Training Solutions pvt ltd
2018-19	Imparta Training Solutions pvt ltd

Placement Process and Support

- The training wing of the placement cell designs a tailor made program as per the Industry requirements. A gradual program that includes Life Skills, Language Skills and Soft skills is executed at elementary level and lateral years are being trained on Aptitude Skills comprising Quant, Verbal and Reasoning with a brush up of Interview Etiquettes are

conducted to transform a prospect job ready thereby increasing their employability quotient.

- A technical brush up session as a crash course is conducted as and when any core company is expected.
- As an initiative of Industry-Academia Interface, Eminent Industry experts are invited periodically to deliver expert talk. Trending topics viz Robotics, Artificial Intelligence, Machine Learning, Cyber Security, Data Analytics, C2C Campus To Corporate are covered under the said initiative.

Recruitment Process

1. A Placement Bank is prepared with a pre diagnostic analysis as per the academic scores.
2. Campus Drive Invitation is channelized in the client network and the requirement is sought accordingly.
3. Profile sheet is prepared as per the eligibility criteria of the said company.
4. Campus Drive mode is then finalized considering various factors viz no of eligible students, availability of team and mode is fixed i.e. Off Campus / On Campus.
5. Once the recruitment process commences, the list of shortlisted or selected students is obtained from the Client Company.
6. In order to avoid drop outs chances a second phase of counseling is done to the selected students on the joining formalities and other terms & conditions of the said company
7. Joining dates are informed to the selected students accordingly.
8. On successful completion of entire process offer letter or selection mail from the company is filed duly.

Table: Placement details for 2018 – 22 batch

S No	Company Name	Total Number of Students Placed					Total Placed
		CSE	ECE	EEE	CE	ME	
1	Infosys 5.0 LPA	2	1	0	0	0	3
2	Eleation 4.2 LPA	0	0	0	4	1	5
3	TCS 3.36 LPA	2	1	0	0	0	3
4	Capegemini 4.0 LPA	2	5	0	1	0	8
5	Wipro 3.5 LPA	3	0	0	2	0	5
6	Q Spiders 3.0 LPA TO 5.0 LPA	6	8	2	1	1	18
7	KRAS ,30K PM	0	21	11	0	17	52
8	CSS Corp 3.75 LPA	6	3	0	0	1	10
9	Hexaware 3.5 LPA	2	0	1	0	0	3
10	Mind Tree 3.5 LPA	0	1	0	0	0	1

CSE – Self Assessment Report

11	Cyient 2.75 LPA	0	0	3	0	0	3
12	Infoane 5.0 LPA	5	2	0	0	0	7
13	CGLIA 5.0LPA	3	0	0	0	0	3
14	Surya Tech Solutions 18 to 42k	0	8	8	0	0	16
15	Medico 1.8 to 2.4 LPA	10	14	14	0	0	38
16	Cigniti 4.0 LPA	2	2	0	0	0	4
17	Pop Corn Apps 3.5 LPA	2	1	0	0	0	3
18	QualiT labs 3.6 LPA	6	0	7	1	0	14
19	Innovacx 4.16 LPA	3	0	0	0	0	3
20	Sri Sai Associates 14K PM	0	0	0	3	0	3
21	Pentagon Space Pvt Ltd 3.6 LPA	4	1	1	0	0	6
22	ATOS 3.39 LPA	1	0	0	0	0	1
23	Turing Minds 5.0 LPA	1	0	0	0	0	1
24	Packetprep 3.0 LPA	3	0	0	0	0	3
24	Kanerika 3.0 LPA	1	0	0	0	0	1

Table: Placement details for 2017 – 21 batch

S.No	Company	Total Number of Students Placed					Total Placed
		CSE	ECE	EEE	CE	ME	
1	24/7 Pvt Ltd 5 LPA	0	2	0	0	0	2
2	7x Ventures 2 LPA	1	0	0	0	0	1
3	Accenture 4.5 LPA	5	0	0	0	0	5
4	ADP Technologies 5LPA	1	0	0	0	0	1
5	Blueyonder	1	0	0	0	0	1
6	CORESTACK	1	0	0	0	0	1
7	BYJUS 2.4 LPA	0	4	0	0	0	4
8	CAPGEMINI 3.2 LPA	0	1	0	0	0	1
9	CONGNIZANT 2.8LPA	3	0	0	0	0	3
10	CYIENT 1.4 LPA	0	0	0	1	0	1
11	DARWINBOX	2	0	0	0	0	2
12	ELK STUDIOS	2	0	0	0	0	2
13	DELOITTE 2.5LPA	1	0	0	0	0	1

CSE – Self Assessment Report

14	ENTERSOFT	1	0	0	0	0	1
15	FACE PREP 3.05LPA	8	7	0	0	0	15
16	Fujitsu Consulting India Private Limiuted , 3 LPA	1	0	0	0	0	1
17	Formonic Technologies Private Ltd , 1.8 LPA	0	0	0	9	0	9
18	GUS EDUCATION	1	0	0	0	0	1
19	GLOBAL ESMART TECH , 1.4 LPA	3	0	0	0	0	3
20	Innovacx ,3 LPA	2	0	0	0	0	2
21	INSPIRE	1	0	0	0	0	1
22	Internshala ,3.2 LPA	0	0	1	0	0	1
23	LTI	1	0	0	0	0	1
24	MECHTURBO,1.4 LPA	0	03	0	0	00	3
25	Medconverge , 2 LPA	3	6	1	0	0	10
26	Medico Healthcare Services & Technologies , 2.0 LPA	0	5	0	0	0	5
27	Metafin Consulting INDIA PVT LIMITED , 1.4 LPA	0	0	0	0	01	1
28	MILLENNIUM TECH , 3 LPA	3	0	0	0	2	5
29	Prathi Raj Metal Works , 1.6 LPA	0	0	0	0	3	3
30	Qspiders , 3.6 LPA	5	8	2	0	0	15
31	SPRUCE	2	0	0	0	0	2
32	SENTINI GEOSOL(P) LTD	2	0	0	0	0	2
33	SI INNOVATIONS PVT LTD , 1.4 LPA	2	0	01	0	0	3

CSE – Self Assessment Report

34	SMART SELECT, 3.5 LPA	0	0	0	3	0	3
35	Surya Tech Solutions , 3.8 LPA	0	20	26	0	5	51
36	SMART SELECT, 3.5 LPA	0	1	0	0	0	1
37	TCS , 3.5 LPA	4	0	0	0	0	3
38	Trianz . 3.8 LPA	1	0	0	0	0	1
40	TECHNICS	1	0	0	0	0	1
41	TECH MAHINDRA	1	0	0	0	0	1
42	Unistring Tech Solutions , 2.8 LPA	0	3	2	0	0	5
43	UR Protech , 1.8 LPA	0	1	0	0	0	1
44	ZEE Enterainment Enterprises LTD , 3 LPA	1	0	0	0	0	1
45	ZENSAR	1	0	0	0	0	1

Table: Placement details for 2016 – 20 batch

S.No	Company	Total Number of Students Placed					Total Placed
		CSE	ECE	EEE	CE	ME	
1	Aboveo Services Pvt Ltd, 1.8 LPA	0	0	0	0	1	1
2	Accenture Solutions Pvt Ltd, 1.8 LPA	1	0	0	0	0	1
3	ACD Communication Pvt Ltd, 1.8 LPA	0	0	0	0	1	1
4	Alliens Group,3.121LPA	0	6	0	0	0	1
5	BROADRIDGE	2	0	0	0	0	2
6	Byjus, 7 LPA	1	1	0	0	1	3
7	CAPGEMENI	2	0	0	0	0	1
8	CEDGE TECHNOLOGIES	1	0	0	0	0	1
9	Cognizant Technology Solutions India Pvt Ltd, 2.4 LPA	1	0	0	0	0	1

CSE – Self Assessment Report

10	CLOUD 4 CSERVICES PVT LTD	1	0	0	0	0	1
11	CQX	1	0	0	00	0	1
12	Cyient Ltd, 3.5 LPA	0	2	0	0	1	3
13	Draft Japan, 3.05 LPA	1	0	0	0	0	1
14	Eleation, 2.4 LPA	1	0	0	0	0	1
15	Esoft Labs, 3 LPA	0	0	1	0	00	1
16	Examity, 2.2 LPA	0	0	1	0	0	1
17	Extramarks, 12.5 LPA	0	0	0	0	1	1
18	EY Global Delivery Servicesllp,3.3LPA	0	2	0	0	0	2
19	GLOBAL LOGIC	1	0	0	0	0	1
20	GLOBAL ESMART TECH , 1.4 LPA	0	0	0	0	3	3
21	SINNOVATIONS	3	0	0	0	0	3
22	Indian Agro & Food Industries Limited, 1.5 LPA	0	0	0	1	0	1
23	Intellect Desing Arena Ltd, 3 LPA	0	1	0	0	0	1
24	Jangir Engineering Works,1.8LPA	0	0	0	0	2	2
25	JEW PVT LTD, 4.2 LPA	0	0	0	0	2	2
26	KPI SOFT Technologies Private Limited, 3.5LPA	0	0	0	0	1	1
27	KPIT, 3.6 LPA	0	0	1	0	0	1
28	Laxmi Hundai, 1.2 LPA	0	0	0	0	5	5
29	Log It One, 3 LPA	2	0	0	0	0	1
30	MECHTURBO,1.4 LPA	0	1	2	0	0	3
31	Medico Healthcare Services, 2.2 LPA	7	20	5	6	4	42
32	MILLENNIUM TECH , 3 LPA	3	0	0	0	0	3
33	MOTIVITY LABS	1	0	0	00	0	1
34	NTT Data, 3.5 LPA	0	0	1	0	0	1
35	Opt IT Technologies Pvt Ltd , 2 LPA	0	0	0	0	1	1

CSE – Self Assessment Report

36	Pragmaedge Software Services Pvt Ltd,3 Lpa	2	2	0	0	0	4
37	Prodapt Solutions Pvt Limited, 3.5LPA	1	0	0	0	0	1
38	Ram Group, 2.4LPA	0	0	1	0	0	1
39	RMSI Pvt Limited, 2.24 LPA	0	0	0	1	0	1
40	RESORCE ONE IT SOLUTIONS	5	0	0	0	0	4
41	RCM TRAINEE ASSOCIATE	3	0	0	0	0	3
42	Shivam Microsoft Services,3.5LPA	0	1	0	0	0	1
43	SI INNOVATIONS PVT LTD , 1.4 LPA	1	2	0	0	0	3
44	Silver Peak Global, 3.5LPA	1	0	0	0	0	1
45	SMART SELECT , 3.1 LPA	1	1	3	0	0	5
46	Sri Jaiveer Infra Projects , 3.4 LPA	0	0	0	1	0	1
47	Suneratech Private Limited, 3.6LPA	1	0	0	0	0	1
48	SYKES Business Services Of India Pvt Ltd, 3.8 LPA	0	1	0	0	0	1
49	THOMSON REUTERS	2	0	0	0	0	2
50	TCS, 2.7 LPA	2	0	0	0	0	2
51	Tech Mahindra Ltd,2.1LPA	1	1	0	0	0	2
52	Trianz Digital Consulting Pvt Ltd, 3.8 LPA	1	0	0	0	0	1
53	Varcas Automobile Pvt Ltd, 1.8 LPA	0	0	0	0	1	1
54	Whitehat,4.5LPA	0	1	0	0	0	1
55	Wipro Ltd, 3.8 LPA	2	1	0	0	0	1
56	ZEE EXTRAORDINARY	1	0	0	0	0	1
57	Surya Tech Solutions	0	9	0	0	0	9

Table: Placement details for 2015 – 19 batch

S.No	Company	Total Number of Students Placed					Total Placed
		CSE	ECE	EEE	CE	ME	
1	[24]7.ai , 3 LPA	2	0	0	0	00	1
2	Accenture , 4.5 LPA	1	1	0	0	0	2
3	Ascent Business Solutions , 3.58 LPA	1	0	0	0	0	1
4	C3i SOLUTIONS , 3.2 LPA	1	1	0	0	00	1
5	Cenerg Global Tools , 2.55 LPA	0	0	0	0	1	1
6	Cognizant ,. 2.8 LPA	0	1	0	0	0	1
7	Evoke Technologies , 4.5 LPA	0	1	0	0	0	1
8	Genpact , 2 LPA	1	0	0	0	0	1
9	GLOBAL ESMART TECH ,1.4 LPA	0	3	0	0	0	3
10	Info search Ites PVT LTD , 2.24 LPA	2	0	0	0	0	2
11	LOOP AND CO , 3 LPA	0	2	0	0	0	2
12	MECHTURBO,1.4 LPA	0	0	1	0	2	3
13	Medico Health Care Service & Technologies , 3 LPA	9	6	5	0	1	21
14	MILLENNIUM TECH , 3 LPA	2	0	1	0	0	3
15	Mroads off , 3 LPA	2	0	0	0	0	2

CSE – Self Assessment Report

16	NB Healthcare technologies pvt ltd	2	0	0	0	0	2
17	Prokarma Softech PVT LTD , 2.7 LPA	0	1	0	0	0	1
18	R1 RCM Global PVT LTD , 1.85 LPA	0	1	0	0	0	1
19	Revalsys , 2.4 LPA	0	1	0	0	0	1
20	SAP Global Edu , 1.9 LPA	0	1	0	0	0	1
21	Seva Supreme Detective & Security Services , 2.5 LPA	5	0	0	0	0	1
22	SI INNOVATIONS PVT LTD , 1.4 LPA	0	0	0	1	2	3
23	SMART SELECT , 3.1 LPA	0	1	0	0	0	1
24	SRI JAIVEER INFRA PROJECTS , 3.4 LPA	0	0	0	1	0	1
25	Surya Tech Solutions , 2.2 LPA	0	23	6	0	0	29
26	Tata consultancy Services , 3.9 LPA	0	2	0	0	0	2
27	Tech Mahindra , 1.8 LPA	0	0	0	0	1	1
28	TECHRUPLE	5	0	0	0	0	5
29	Webhelp India , 3.3 LPA	0	0	0	0	1	1
30	Wipro , 3.36 LPA	1	2	0	0	0	3
31	YAXIS	1	0	0	0	0	1

9.6 Entrepreneurship Cell (5)

Entrepreneurship Development Cell, Samskruti College of Engineering and Technology (EDC) is a non-profit student's organization dedicated to promote the spirit of entrepreneurship among students.

An **Entrepreneurship Development Cell (EDC)** was established in our institute to:

- Organizing Entrepreneurship Awareness Camps, Entrepreneurship Development Programmes.
- Arranging visits to industries for prospective entrepreneurs.
- Preparing proposal to grant from the government agency to promote entrepreneurship in the Campus.
- Guiding and Assisting students on various aspects such as preparing project reports, obtaining project approvals, loans and facilities from agencies of support systems and information on various technologies.
- Providing testing, calibration, quality assurance, design, tool room, pilot plant and other facilities for Entrepreneurs besides expertise in Intellectual Property rights, Patents search, etc.
- Providing students, the professional and Industry exposure.
- Guiding students regarding the various government schemes to support entrepreneurship.
- To create an environment for self-employment and entrepreneurship development through teaching and training programmes.
- To develop management personnel at appropriate levels for the non-corporate and unorganized sectors like retail, rural development, small-scale industry etc.
- To promote employment opportunities through skill development.

The EDC is managed by an institutional committee comprising of:

S.No	Name	Actual Designation	Department	Designation in the Committee
1.	Dr J.Govardhan	Principal	-	Chairman
2.	Dr B.Aarathi	Professor & HOD	MBA	Coordinator
3.	Mr M.Sreenivasulu	Associate Professor & HOD	ECE	Member
4.	Mr A.Suresh Kumar	Associate Professor & HOD	EEE	Member
5.	Mr B.Gopichand	Associate Professor	ME	Member
6.	Mr M.Rajeshwar Reddy	Associate Professor & HOD	H&S	Member
7.	Mr P M B Rajkumar	Associate Professor	CE	Member
8.	Mr K.Vamshee Krishna	Assistant Professor & HOD	CSE	Member

9.7 Co-Curricular and Extra-Curricular Activities(10)

Co-Curricular Activities:

Complimentary to the regular academic courses being taught to students as per the JNTUH curriculum, this institute conducts a large number of co-curricular activities aimed at filling the gaps in curriculum, overall knowledge development of students towards the attainment of professional goals and enhances the employability. These fall under the broad categories of:

Note: The details of co-curricular activities are presented in criteria 4

Extra-Curricular Activities:

Overall development of the students is never complete without generating interest and practicing sports and different forms of arts. Annual cultural & Sports festival are a regular feature of the institute through:

Fresher's Day Program

A Techno-cultural event conducted by II year students to welcome I year students

Farewell Day Program

A Techno-cultural event conducted by III year students to bid farewell to outgoing students from IV year.

NSS

Under the National Service Scheme our students regularly organize Blood donation camps, Medical camps, Tree Plantation and community awareness programs.

Bathukamma

Celebrated by all the students & staff to bring and set the tone of festive celebrations towards Dusshera and to join with Telangana State pride festival Bathukamma, with stacking flowers, song's and dance.

Haritha Haaram

Students take active part in Haritha Haram, the afforestation drive of Telangana government.

Swachch Bharath Program

A Program conducted to promote awareness on cleanliness and hygiene, activities are performed inside and outside the college premises.

Women's Day

Women's day is celebrated every year to enhance the beauty of womanhood.

Outdoor Sports Facilities:

- Basket Ball Ground
- Volley Ball Ground
- Throwball Ground
- Kabaddi Ground
- Cricket Ground
- Tennikoit Court

Indoor Games:

- Chess
- Table Tennis
- Carrom

NSS Activities:

Under the National Service Scheme our students regularly organize Blood donation camps, Medical camps, Tree Plantation and community awareness programs in rural areas around

Name of the activity	Organising unit/ agency/ collaborating agency	Name of the scheme	Year of the activity	Number of students participated in such activities
Health and fitness awareness camp	SCET AND NSS UNIT	NSS	06.01.2017	18
Igniting young minds	SCET AND NSS UNIT	NSS	27.01.2017	41
Debate on gender equity	SCET AND NSS UNIT	NSS	06.02.2017	18
Jam session on violence against woman and girls	SCET AND NSS UNIT	NSS	18.02.2017	18
Road safety	SCET AND NSS UNIT	NSS	04.03.2017	59
World no tobacco day	SCET AND NSS UNIT	NSS	31.05.2017	58
World environmental day	SCET AND NSS UNIT	NSS	05.06.2017	56
Haritha haram programme	SCET AND NSS UNIT	NSS	03.07.2017	59
World population day	SCET AND NSS UNIT	NSS	11.07.2017	59
Literacy day	SCET AND NSS UNIT	NSS	08.09.2017	55
Eco-friendly Ghanesh	SCET AND NSS UNIT	NSS	09.09.2017	58

CSE – Self Assessment Report

National Service Scheme day	SCET AND NSS UNIT	NSS	23.09.2017	59
Swachh Bharath	SCET AND NSS UNIT	NSS	03.10.2017	56
Constitution day	SCET AND NSS UNIT	NSS	25.11.2017	57
Worlds AIDs day	SCET AND NSS UNIT	NSS	01.12.2017	60
Save Girl Child	SCET AND NSS UNIT	NSS	24.01.2018	56
National voters day	SCET AND NSS UNIT	NSS	25.01.2018	59
Road safety	SCET AND NSS UNIT	NSS	03.03.2018	61
World no tobacco day	SCET AND NSS UNIT	NSS	31.05.2018	59
World environmental day	SCET AND NSS UNIT	NSS	05.06.2018	60
Haritha haram programme	SCET AND NSS UNIT	NSS	09.07.2018	57
World population day	SCET AND NSS UNIT	NSS	11.07.2018	59
Literacy day	SCET AND NSS UNIT	NSS	08.09.2018	59
Eco-friendly Ghanesh	SCET AND NSS UNIT	NSS	11.09.2018	61
National Service Scheme day	SCET AND NSS UNIT	NSS	24.09.2018	60
Swachh Bharath	SCET AND NSS UNIT	NSS	03.10.2018	59
Constitution day	SCET AND NSS UNIT	NSS	26.11.2018	59
Worlds AIDs day	SCET AND NSS UNIT	NSS	01.12.2018	57
Save Girl Child	SCET AND NSS UNIT	NSS	24.01.2019	58
National voters day	SCET AND NSS UNIT	NSS	25.01.2019	59
Road safety	SCET AND NSS UNIT	NSS	04.03.2019	59
World no tobacco day	SCET AND NSS UNIT	NSS	31.05.2019	57
World environmental day	SCET AND NSS UNIT	NSS	04.06.2019	58
World population day	SCET AND NSS UNIT	NSS	11.07.2019	58
Haritha haram programme	SCET AND NSS UNIT	NSS	19.07.2019	59

CSE – Self Assessment Report

Literacy day	SCET AND NSS UNIT	NSS	07.09.2019	57
National Service Scheme day	SCET AND NSS UNIT	NSS	24.09.2019	58
Eco-friendly Ghanesh	SCET AND NSS UNIT	NSS	01.10.2019	59
Swachh Bharath	SCET AND NSS UNIT	NSS	03.10.2019	57
Constitution day	SCET AND NSS UNIT	NSS	26.11.2019	58
Worlds AIDs day	SCET AND NSS UNIT	NSS	30.11.2019	59
Save Girl Child	SCET AND NSS UNIT	NSS	24.01.2020	59
national voters day	SCET AND NSS UNIT	NSS	25.01.2020	57
Literacy day	SCET AND NSS UNIT	NSS	08.09.2021	57
Eco-friendly Ghanesh	SCET AND NSS UNIT	NSS	09.09.2021	56
Wearing mask and social distancing	SCET AND NSS UNIT	NSS	14.09.2021	57
National Service Scheme day	SCET AND NSS UNIT	NSS	24.09.2021	57
Clean India Programme	SCET ,NSS UNIT &Nehru yuva kendra R.R dist	NSS	25.10.2021	57
Yoga Day Celebrations	SCET And NSS Unit	NSS	01.11.2021	60
Blood Donation Camp	INDIAN RED CROSS SOCIETY AND NSS UNIT	NSS	12.11.2021	149
Constitution day	SCET AND NSS UNIT	NSS	26.11.2021	56
Worlds AIDs day	SCET AND NSS UNIT	NSS	01.12.2021	57
COVID -19 Vaccination	NARAPALLY PHC AND NSS UNIT	NSS	09.12.2021	134
Swatantra Bharath Vajrotsavalu	SCET And NSS Unit	NSS	11.08.2022	50
Eco-friendly Ghanesha (Matti Ganapthulu)	SCET AND NSS UNIT	NSS	30.08.2022	50
NSS Day Celebrations	SCET And NSS Unit	NSS	24.09.2022	50
Health awareness Camp	SCET And NSS Unit	NSS	24.09.2022	40
Kill Cancer Competition	ISKCON Kukatpally And NSS Unit	NSS	11.10.2022	20
Constitution Day	SCET And NSS Unit	NSS	26.11.2022	100
Voters Awareness Program	SCET And NSS Unit	NSS	03.12.2022	300

Unite for Her Conclave	TS Police Department And NSS Unit	NSS	20.12.2022	350
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Fig : Distribution of Eco-friendly Ganesh Idols



Fig: Blood Donation Camp



Fig: COVID-19 Vaccination Drive



Fig : Bathukamma Festival Program – The Telangana Traditional Festival



Fig : Kill Cancer Competition in association with ISKCON Hyderabad



Fig: Samskruti Sankranti Sambaralu



Fig: Nation Building Competition on the eve of Republic Celebrations



Fig: Yoga Day Celebrations

**10 GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES
(120)****10.1 Organization, Governance and Transparency (40)****10.1.1 State the Vision and Mission of the Institute (5)**

Vision:
To be an Institution moulding globally competent professionals as essence of noble values.
Mission:
To transform the young generation as technically competent, ethically sound and socially committed professionals by providing a vibrant learning ambience, for the welfare of Society.

10.1.2 Governing body, administrative setup, functions of various bodies, service rules, procedures, recruitment and promotional policies (10)

Table: List of Governing Council Members

S.No	Name of the Governing Body Member	Governing Body Member Designation	Parent Organization where working	Designation of the member where working at parent Organization
1	Dr M Venugopal	Chairman	Megha Inst. Of Engineering and Technology for Women, Ghatkesar	Principal
2	Sri A V Ramana Reddy	Member to be nominated by Registered Society / Trust	St. Vincent Educational Society	President
3	Sri M Rajendra Krishna	Member to be nominated by Registered Society	St. Vincent Educational	Gen. Secretary

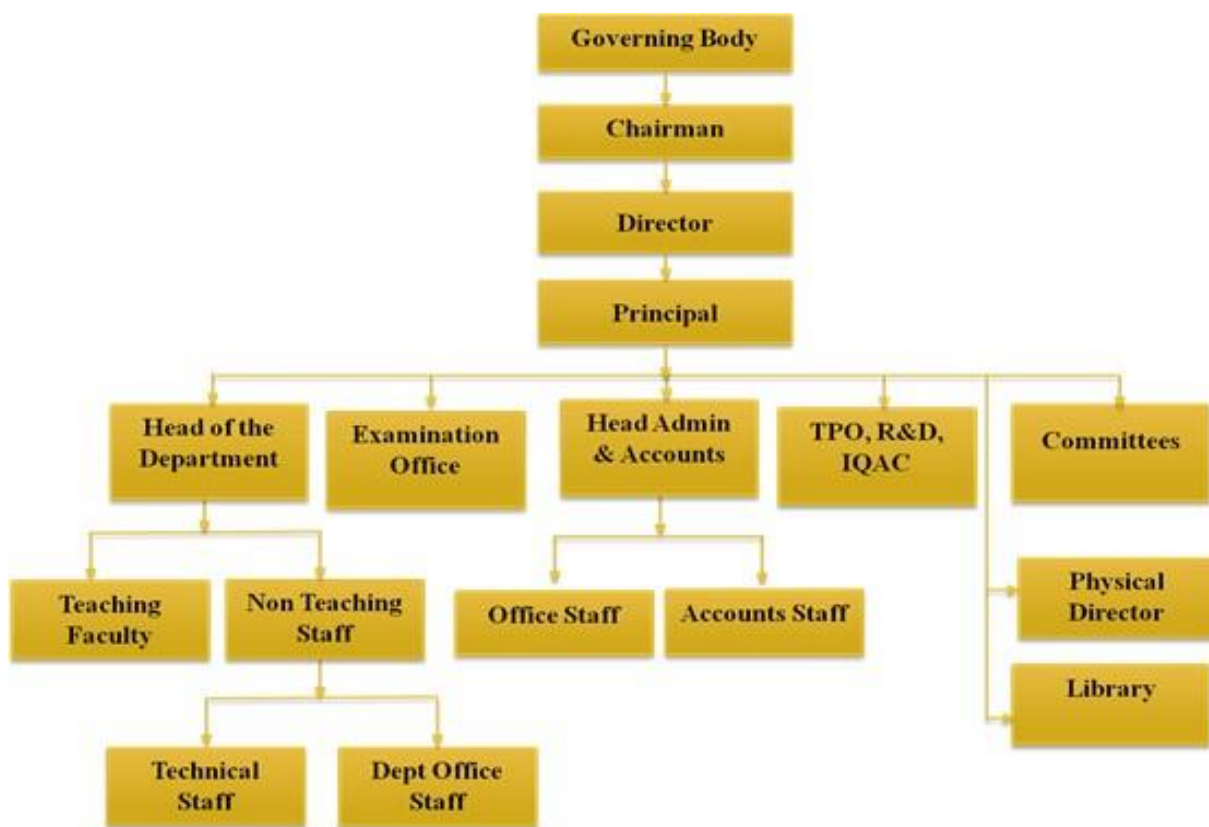
		/ Trust	Society	
4	Mrs A Prameela	Member to be nominated by Registered Society / Trust	St. Vincent Educational Society	Joint Secretary
5	Sri M Purushotham Reddy	Member to be nominated by Registered Society / Trust	St. Vincent Educational Society	Member
6	Dr G V Satyanarayana Rao	Eminent Professional	BHEL, Trichy	AGM, Retired
7	Dr P Aravinda Reddy	Eminent Professional	Samskruti College of Pharmacy	Principal
8	Dr D Eshwar	Academician	Kommuri Pratap Reddy Institute of Technology	Principal
9	Dr M.Ramakanth Reddy	Academician	Samskruti College of Engineering & Technology	Director
10	Dr. P. Swetha	University Nominee	Jawaharlal Nehru Technological University Hyderabad	Professor of Computer Science and Engineering, JNTUH CEJ
11	Dr. GOVARDHAN JANGIRALA	Member Secretary [Principal (ex- officio)]	Samskruti College of Engineering & Technology	Principal

Functions of the Governing Body:

The Governing Body has been constituted as per JNTUH norms and is the supreme administrative body of the institution.

- To participate and approve the vision and strategic mission statements of the institute.
- To formulate the policies of the institution with regard to academics, R &D and other activities.
- To discuss and suggest the annual budgetary allocation towards infrastructure, Academic, and Research & Development.
- To monitor the progress of academic and other related activities of the college.
- To approve the recommendations of the Staff Selection Committee.
- To approve the important decisions and amendments as required by the institute.
- To suggest the innovative ideas in improving the quality of the education.

Fig: Organization Chart



Position	Functions
Management Committee	Chief patron of the Institution. These are the Executive Trustees and Members of the GB. They are the final authority for annual (financial) budget allocations and all related approvals. They hold signatory roles in major administrative, recruitment, purchase, expansion, and Policy decisions of the Institution.
Chairman Governing Council	Chairman is the Chief Mentor of the Institution, and heads the Governing Body (GB). He is the final authority to provide final approval for all major policy matters on expansions, collaborations, financial outlays, budgetary allocations and major admin related decisions. Motivate and support the administration to make our Institute an outcome-based institution.
Principal	He functions as the Head of the Institution and is the Member-Secretary of the GB. He is responsible for overall development of the Institution Ensure that the attainment of vision of the Institution through strategic mission. Define quality policy and objectives. Define & delegate responsibilities of various positions in the organization. He is the final authority for all academic, admission, administrative, co- curricular and extracurricular, research, placement, innovation, resource mobilization, planning and development, recruitment. He also coordinates the needs of meeting statutory and regulatory requirements of the government (AICTE, UGC, DTE) and University (JNTUH). He channelizes the growth and benchmarking activities of accreditation (NBA/NAAC) processes for the institute. He is the single point of contact (SPOC) for external bodies (industries, academia, regulators, institutions / organizations, companies) and also for stakeholders: industries, parents and alumni. He develops roadmap(s) for the institute, in consultation with his team and disseminates it to all concerned for development of the Institution.

Administrative Officer	Overall, in-charge to execute different Office Administrative sections i.e., Accounts, Admissions, Scholarships and coordinates Governing Body meetings. Liaising with AICTE, DTE and University. Service Books, Faculty personal files & Recruitment process. Co-ordinate day to day activities of office. Purchase process & payments Preparation of Annual College budget.
I/C Examinations	Carry out result analysis and submit corrective measures to Principal Prepare Internal and External examination time table schedules Conducts Internal examinations evaluation process.
Training & Placements Officer	T & P is solely responsible for planning, connecting, organizing, culminating all activities leading to placement needs of the graduating students. He / She develops and nurtures contacts / connects with industries / companies / organizations / alumni database in view of placement needs. He / She ensures the smooth coordination with various stakeholders required for the process of placements. He / She initiates the process of feedback collection from the visiting companies/organizations for offering placement and shares with concerned departments for better understanding and possible improvements in the subsequent sessions/years. He / She coordinates activities for pool-in placement drives Facilitate career guidance to the students. He / She significantly contributes in building brand value of the Institution.
I/C Library	The Librarian is responsible for the resources of Library and information Centre comprising of assets in both hard and soft forms. The associated duties are: He / She envisages the plans, initiates actions for addressing all possible needs of primary stakeholders - students, teachers (via identifying and ordering books, reference material, journals, online resources, issue of resources and maintain of records). He /She with their team undertakes series of tasks towards optimal utilization and for maintenance of the library. Maintain library discipline and culture Prepare annual budget for library.

Physical Director	Ensure smooth conduct of sports Purchasing of sports items. Encourage students to participate in zonal tournaments. Conduct training camps. Creation and upkeep of sports facilities Proposing annual budget.
Head of Departments	He / She is the functional and administrative head of the concerned department. He / She ensures the smooth running of the concerned department by laying goals and milestones of the department. Vision and Mission statements too are chalked out for streamlining all further actions. HOD builds and leads the team of required numbers of faculty members (Professors, Associate Prof and Assistant Prof), staff (Lab Instructors, Lab Assistants, Admin staff) and students - II, III and IV year in case of CSE, ECE, EEE, Mech, Civil and MBA {I and II year} departments) and I Year in case of Mathematics, Physics, Chemistry departments. The HOD ensures planning, execution, troubleshooting of all academic activities (theory and lab classes), examination (CIE) along with supporting smooth conduction of JNTUH examinations, research and publication, projects and developmental activities. He/she coordinates intra (with IIIC, T & P and other depts./ centers at the institute) and inter (with other academia and industries) institutional communicational roles. HOD plans and organizes events (conference, seminars, workshops, training) and conducts industrial visits and guest lectures for the benefit of dept. (students and faculty members). He / She organizes meetings with stakeholders (particularly parents) in the form of PTM.

Directed by the vision of the Institution, an effective plan of action is evolved to define and evolve and elaborate agenda for the college. Several Committees are formed both at the college and department level for planning and monitoring operations of academics, financial and administrative matters.

1. College Academic Committee (CAC)
2. Internal Quality Assurance Cell (IQAC)
3. Faculty Development Committee (FDC)
4. Research & Development Committee (RDC)
5. Institute Industry Interaction Committee (IIIC)
6. Training, Placement & Career Guidance Committee (TPCGC)

7. Finance and Purchase Committee
8. Disciplinary Committee (DC)
9. Sports and Cultural Committee (SCC)
10. Grievances Redressal Committee (GRC)
11. Transport Committee (TC)
12. Women Protection Cell (WPC)
13. Department Academic Committee (DAC)
14. Library Committee (LC)
15. Canteen Committee (CC)
16. Anti-Ragging Committee (ARC)

Roles and responsibilities of different committees.**1) College Development Committee (CDC)**

The college development committee has major role to play in strategic planning and development of the college, like Infrastructure & budgetary planning and review of college academic environment and functioning. The committee will meet twice in a year and finalize proposals that are necessary to be placed before the Board of the Governors.

Composition of Committee

Management trustee Chairman	Chairman
Director	Member
Principal	Member
Administrative Officer	Member

Functions:

1. Principal, after receiving the proposals for the budgetary requirements from Heads of the Departments, scrutinizes and place them before this committee for discussions and finalization.
2. Reviews the reports of college Academic committee regarding the academic activity during the year.
3. Recommends proposals for infrastructural improvement/strengthening.
4. Submits budgetary proposals to the Board of Governors for consideration in respect of overall developmental needs of the college.
5. Acts as a link between BoG and college administration.

2) Internal Quality Assurance Cell (IQAC)**Composition of Committee**

Principal	Chairman
Management trustee	Member
Senior Staff member	IQAC Coordinator
Administrative Officer	Member
Head of the Departments	Members
Student Nominee (Alumni)	Member
Nominee from Industry	Member

Functions:

1. Development and application of quality benchmarks/parameters for the various academic and administrative activities of the Institute.
2. Arrangement for feedback responses from students, parents and other stakeholders on quality-related institutional processes.
3. Dissemination of information on the various quality parameters of higher education.
4. Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles.
5. Documentation of the various programmes/activities of the Institute, leading to quality improvement.
6. Development and maintenance of Institutional database through MIS for the purpose of maintaining /enhancing the institutional quality.
7. Development of Quality Culture in Institute.

3) Faculty Development Committee (FDC)**Composition of Committee**

Principal	Chairman
Director	Member
All Heads of the Department	Members

Functions:

1. Formulate the guidelines for faculty development.
2. Recommend the deputation of staff members for higher studies.

3. Review the progress of staff improvement on.
4. Conduct staff orientation program also.

4. Research & Development Committee (RDC)

Composition of Committee

Principal	Chairman
In-charge R&D	Member
All Heads of the Department	Members
R & D coordinator from each department	Members

Functions:

1. The committee Meets twice in a semester.
2. Consider proposals for R&D projects funding.
3. Guide the departments in submitting R & D proposals to the R&D agencies for funding.
4. Review the progress of R& D projects if any.

5. Institute Industry Interaction Committee (IIIC)

Composition of Committee

Principal	Chairman
In-charge R&D	Member
All Heads of the Department or nominated by HOD	Members
Training and Placement officer	Member

Functions:

1. The Institute Industry Interaction Committee will meet at least twice in a semester.
2. Identify the needs of small-scale industry and identify the staff to help SSI/MSI.
3. Arrange a get together at least once every year to discuss institute industry interaction.

6. Training, Placement & Career Guidance Committee (TPCGC)**Composition of Committee**

Principal	Chairman
Training and Placement officer	Convenor
One faculty nominated from each department for coordination	Members
Two students from each department nominated by Principal	Student Members

Functions:

1. Each department will identify a group of industries to be invited on to the campus.
2. Each department nominates two students to work as volunteers during the conduct of campus interviews.
3. Formulate action plan to be implemented in arranging special training program for soft skills, mock interviews etc.
4. Counsel the students to choose a professional career.
5. Collect information on higher education opportunities and conduct awareness programs.
6. Collect student data on GRE TOFEL etc.
7. Maintain data bank of Alumni.

7. Disciplinary Committee (DC)

Following is the constitution of DC

1. Principal
2. Senior Professor nominated by Principal
3. Head of the Department-by turns on nomination basis

Functions:

- Formulate Ant-Ragging committee at the beginning of each academic year
- Conduct enquiry in case of indiscipline reported by heads/teachers, students or parents and make recommendations to the Principal for implementation.

8. Sports and Cultural Committee (SCC)

Following is the constitution of SCC

1. Principal
2. One staff member nominated by each department
3. Physical Director
4. Student for sports nominated by Principal
5. Student for cultural activities nominated by Principal

Functions:

- Prepare the budget estimates for the conduct of annual events
- Selects the students for the deputation for sports and cultural events outside the college

9. Grievances Redressal Committee (GRC)

Following is the constitution of GRC

1. Principal
2. Director
3. One staff member nominated by Management
4. Administrative Officer
5. Senior nonteaching staff member nominated by Management
6. Four Student Representatives nominated by Principal

Functions:

- Receives complaints/Grievances from teaching and nonteaching & technical staff, Students and Parents.
- Counsel the aggrieved.
- After personal interview, makes appropriate recommendations to the management regarding grievances redressal.

10. Transport Committee (TC)

Following is the constitution of TC

1. Principal
2. Transport In-charge
3. Two staff members nominated by Principal who use bus facility
4. Two student members nominated among the Bus pass holders

Functions:

- Receive the suggestions from transport users
- Make recommendation to the management about purchase and maintenance of fleet of vehicles.

- Review user charges on periodical basis.

11. Women Protection Cell (WPC)

Following is the constitution of WPC

1. Principal
2. Senior male faculty
3. Senior female faculty
4. Senior most non-teaching female staff
5. One student-nominated by Principal

Functions:

- Receive the complaints if any from women employees and students.
- Conduct enquiry on receipt of a complaint.
- Make recommendations to the Principal / Management on the action to be taken against the erring person.

12. Department Academic Committee (DAC)

Following is the constitution of DAC

1. Head of the Department
2. Two Senior faculty
3. One senior most Lab-In-Charge

Functions:

- Meets at least twice in a semester.
- Propose the departmental budget to the administration.
- Receive the applications from teacher under faculty development program and preprocess them and forward to Principal.
- Recommend short term /long term training programs to be conducted by department.
- Prepares the department calendar of events.

13. Library Committee (LC)

Following is the constitution of LC

1. Principal
2. In-Charge Library
3. One member per department nominated by respective HoD

Functions:

- Prepares the list of text books/ journals to be purchased by central library.
- Prepare budget for library and send it to Principal.
- Conduct at least one meeting every semester to review all aspects of library.
- Review the functioning of digital library.
- Guides the Librarian in selecting the books/ journals.

14. Canteen Committee (CC)

Following is the constitution of CC

1. Principal
2. Two staff members nominated by Principal
3. Two non-teaching staff members
4. Two students nominated by Principal.

Functions:

- Inspect the canteen premises periodically.
- Check the sanitation and drinking water and cleanliness of kitchen.
- Check the quality of conducting surprise inspection
- Make recommendations to the management regarding prices of commodities.

15. ANTI-RAGGING COMMITTEE (ARC)

A high-level anti ragging committee is constituted and it is in operation since the establishment of institute. The committee is reconstituted every year.

Following is the constitution of ARC

1. Principal
2. Senior faculty member nominated by Principal
3. All HoDs
4. Physical Directors
5. Police Personnel from local SHO
6. Senior non-teaching staff member nominated by Principal
7. Four students

Functions and Responsibilities

- Taking all precautionary measures to prevent ragging
- Creating awareness among senior students and new entrants

- Immediate action against reported incidents/ complaints
- Nominate monitoring staff in the busses

10.1.3 Decentralization in working and grievance redressal mechanism (10)

Decentralization and Delegation of Powers

Every action is defined in detail.

Responsibilities of every position of the organization is also defined.

Well established system of reporting at regular intervals.

Any innovative activity which is not falling under the existing criteria is entrusted to a team by the governing body.

College Development Committee (CDC) Plans

- Yearly financial budget
- Starting of new courses
- Review of annual progress of academic and financial matters

College Academic Committee (CAC)

- Monitors Teaching Learning process
- Promotes R&D Activities.

Decentralization:

Principal

- Prepares agenda items and conducts Heads meetings
- Provides leadership in all academic & administrative activities
- Initiates and monitors developmental activities
- Prepares and implements institutional budget
- Takes specific measures in achieving long and short-term goals

In-Charge R&D

- Strategic planning for development of the institution
- R&D Activities

In-Charge Students Welfare

- Student participation in technical competitions
- Students participation in cultural activities
- Students participation in sports and Games

Heads of the Departments

- Planning all the departmental activities
- Teaching learning process
- Laboratory developments
- Implementation of policies to realize objectives of the department

GRIEVANCE REDRESSAL CELL

A well-defined institutional mechanism for grievance redress, involving a system of registering, investigating and responding is handled by the cell.

Mechanism:

Stage-1: The grievance cell receives complaints from students through suggestion boxes, online process and during general class-wise meetings held once in a month.

State-2: The complaints collected are pre-processed department-wise and also by nature of complaints. They are then forwarded to the respective departments for redress by specifying time frame.

Statge-3: Depending upon the seriousness of complaints they make an enquiry and suggest remedial methods. If the complainant is not satisfied with the solutions the student can approach the higher authorities, Principal, Director and Chairman. Nature of grievances received in the last few years

1. Academics:

- Subjectivity in evaluation
- Weekly assignments not necessary
- Non coverage of syllabus as per calendar
- Supervision of students undertaking research projects
- Difficulty in understanding some topics
- Authorship and intellectual property
- Quality of teaching
- Apart from the CRT classes Technical Training also required

2. Logistics:

- Inconvenient college timings
- Transport service
- Lunch break timings

3. Discipline and other problems:

- Dress Code
- Food
- Theft Cases
- Disturbance from other students

ANTI-RAGGING CELL

Mechanism:

- Every year few seminars are organized to sensitize the students about the following:
- Friendly relation with new students and academic support and Importance of interpersonal relations.
- Extracurricular activities leading to good relations with seniors.
- Readiness to allow a few informative questions from the juniors.
- Displaying main points of ragging act and punishments.
- Briefing about ragging act to the fresher's and seniors.
- Take undertaking from every student not to be involved in ragging.
- Awareness and consequences of ragging.
- Appointing student mentors from senior students.
- Conducting awareness program by senior police officers/judicial officer.
- Due to the close watch by the anti-ragging committee no single case is noticed by the Institute.

10.1.4 Delegation of financial powers (10)

The governing body of the institution has accorded delegation of financial powers to the Principal and HODs, necessary for day to day functioning of institution and departments.

The Principal has sanctioning power up to Rs.25000/- per month and HODs of Rs.5000/- per month accordingly.

The delegation of financial powers to the Principal and HODs will help the immediate procurement of necessities time to time. The bills of expenditure are submitted in due course of time generally in quarterly basis.

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

(5)

Transparency:

In order to ensure transparency, the college has taken the following measures:

Academic and Administrative Transparency

All faculty members are members in various committees.

All issues are discussed in HoDs meetings, held periodically and minutes are circulated to all staff members.

All decisions taken by the Statutory bodies pertaining to particular items are informed to all the staff.

All the relevant pieces of information are sent to the faculty, staff and students.

There are Notice Boards in all the prominent places through which information is made available to the staff and students and very significant circulars are sent to the classrooms. Academic Results and all the important items are placed on the E-Cap login through College website.

The website has all the academic information like regulations, syllabus, exam time tables, etc.

All the information about the college is displayed on the college web-site.

Every parent can get information about his/her ward's attendance and performance through SMS, letters.

Transparency for Students:

1. University marks and mid marks report
2. Attendance
3. Previous Papers
4. Syllabus
5. Course Structure
6. View Notices
7. Staff Details
8. Alumni Details

Other Details:

- The college has arranged web mail facility to the entire faculty with individual Ids for faster

and more accurate information.

- Uploading college information related to extension of approval by the AICTE
- Making all the relevant documents available at the time of inspection.
- Since the college is not receiving any grant for running the Institution, Right to Information act 2005 does not apply to the college

10.2 Budget Allocation, Utilization, and Public Accounting at Institute level (30)

10.2.1 Adequacy of budget allocation (10)

Every year, the Principal, along with the members from various departments, works out a budget plan for smooth operations of the Institution. The budgets are proposed for the next academic year. They are proposed taking into consideration the establishment of new labs if required, purchase of equipment, salaries of faculties, lab maintenance activities, event organization and all other Miscellaneous expenses. The Committee presents the budget proposal to the Management members, who in consultation with the Governing Body and after due diligence, sanctions the budget for the next academic year.

It has been observed that the budgets allocated over the last 3 assessment years were sufficient for the Institution to purchase equipment, maintenance of labs, conducting Workshops, Seminars, Research, Training & Travel etc. The management is allotting the required budget to develop the Institution in all aspects. In addition to this, the Institution has been consistently awarded Approval by AICTE and by JNTUH for admitting students year after year. This shows that the Financial Management of the Institution is as per the required norms.

The following are few of the guidelines that have been given to the Principal and other staff members while proposing for Annual Budgets.

Salaries for staff:

6th pay scale norms have been implemented with DA % and HRA % (negotiation can be done while selecting the candidates)

Non-teaching staff are to be adequately appointed in each of the departments

Lab Maintenance:

Repairs/maintenance of any of the equipment.

Tentative costs for the job.

Library:

Fulfilling AICTE norms is a priority.

Procurement of books for change in syllabi or books.

Training & Travel:

Based on last year's Training & Travel costs and plans for next academic year, budget is to be proposed

Events/Activities/Sports:

Based on last year's Events/Activities/Sports costs and plans for next academic year, budget is to be proposed

Placements:

Based on last year's Placements costs and plans for next academic year, budget is to be proposed

Inputs are taken from Training & Placement Cell for further refining the budgets

Miscellaneous:

All other costs such as Administrative expenses, Campus Maintenance charges, Technology upgradation, Approval costs, Marketing expenses

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 2021-22

Total Income 100676640				Actual expenditure(till...): 102520332			Total No. Of Students 1525
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Any other, specify	Expenditure per student
88096100	0	0	12580540	81539489	19658954	1321889	67226.45

Table 2 – CFYm1 2020-21

Total Income 97811957				Actual expenditure(till...): 90911304			Total No. Of Students 1468
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Any other, specify	Expenditure per student
79670000	0	0	18141957	79478526	9226978	2205800	61928.68

Table 3 - CFYm2 2019-20

Total Income 74234904				Actual expenditure(till...): 71796711			Total No. Of Students 1163
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Any other, specify	Expenditure per student
58638000	0	0	15596904	63174187	6712629	1909895	61734.06

Table 4 – CFYm3 2018-19

Total Income: 70954174				Actual expenditure(till...): 94395696			Total No. Of Students 1091
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Any other, specify	Expenditure per student
62334000	0	0	8620174	69167785	24499011	728900	86522.18

Items	Budget edin 2022-23	Budget edin 2021-22	Actual Expenses in 2021-22 till	Budget edin 2020-21	Actual Expenses in 2020-21 till	Budget edin 2019-20	Actual Expenses in 2019- 20 till	Budgeted in 2018- 19	Actual Expenses in 2018-19 till
Infrastructure Built-Up	5000000	7900000	7823000	7600000	7585000	3600000	3587443	2000000	0
Library	350000	760000	742556	720000	715900	580000	560600	620000	610083
Laboratory equipment	9000000	1100000	1034480	1500000	1489980	1500000	1489980	1500000	1447544
Laboratory consumables	350000	180000	150000	450000	426800	380000	377500	415000	400639
Teaching and non-teaching staff salary	52000000	50000000	48648000	47000000	46208600	33000000	32350000	25000000	24535350
Maintenance and spares	600000	550000	543951	2500000	2396800	1200000	1171800	4500000	4321816
R&D	500000	0	0	0	0	0	0	0	0
Training and Travel	1550000	1500000	1478731	2700000	2504300	2400000	2280195	870000	866239
Others, Bus Diesel, Repairs & Maintenance	7000000	7000000	6754605	9500000	9262700	8000000	7944993	8400000	8303730
Total	76350000	68990000	67175323	71970000	70590080	50660000	49762511	43305000	40485401

10.2.2 Utilization of allocated funds (15)

The budget sanctioned by the Management of the Institution was effectively utilized. The budgets have been approved after detailed inputs have been taken from all the stakeholders. The fact that the Institution has been consistently receiving zero deficiency report since the inception shows effective utilization of the funds allocated as part of the budgets.

Guidelines are given to the Heads of the Departments regarding the Utilization of Funds allocated under various heads. A sample set of guidelines for conducting Seminars / Conferences / Workshops / Guest Lectures / Association Meetings / Lab maintenance:

1. Honorarium for Resource Persons (not belonging to SCET) Rs. 5000 to Rs. 10,000 per day based on the duration of the delivery of the lecture.
2. Pre-conference/ Meeting Printing (Announcement, abstracts, certificates etc.)
3. Publication of Proceedings (Only for sponsored seminar / conference etc.)
4. Refreshments (Tea, Biscuits)

5. Prizes for student winners for various competitions.
6. All original bills above Rs. 100, vouchers to be submitted.
7. Maintenance and servicing of equipment

10.2.3 Availability of the audited statements on the institute's website (5)

Yes, the audited statements of last three financial years are available in the college website www.samskruti.ac.in/engineering

10.3 Program Specific Budget Allocation, Utilization (30)

Total Income at Institute level: For CFY,CFYm1,CFYm2 & CFYm3

CFY : (Current Financial Year),

CFYm1 : (Current Financial Year minus 1),

CFYm2 : (Current Financial Year minus 2) and

CFYm3 : (Current Financial Year minus 3)

Table 1 :: CFY 2021-22

Total Budget: 5900000		Actual expenditure (till...): 20504064		Total No. Of Students 247
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
4200000	1700000	4196167	16307897	83012.40

Table 2 :: CFYm1 2020-21

Total Budget: 18300000		Actual expenditure (till...): 18182260		Total No. Of Students 254
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
2300000	16000000	2286555	15895705	71583.70

Table 3 :: CFYm2 2019-20

Total Budget: 14465000		Actual expenditure (till...): 14359342		Total No. Of Students 263
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
1730000	12735000	1724505	12634837	54598.25

Table 4 :: CFYm3 2018-19

Total Budget: 19100000		Actual expenditure (till...): 18879139		Total No. Of Students 257
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
5100000	14000000	5045582	13833557	73459.68

Items	Budgeted in 2022-23	Budgeted in 2021-22	Actual Expenses in 2021-22 till	Budgeted in 2020-21	Actual Expense in 2020-21 till	Budgeted in 2019-20	Actual Expenses in 2019-20 till	Budgeted in 2018-19	Actual Expenses in 2018-19 till
Laboratory equipment	5000000	275000	258620	375000	372495	375000	372495	375000	361886
Software	750000	0	0	0	0	0	0	0	0
Laboratory consumable	80000	45000	37500	112500	106700	95000	94375	103750	100160
Maintenance and spares	126000	1375000	135988	625000	599200	300000	292950	1125000	1080454
R & D	200000	0	0	0	0	0	0	0	0
Training and Travel	500000	375000	369683	675000	626075	600000	570049	217500	216560
Others, Bus Diesel, Repairs & Maintenance	1800000	1750000	1688651	2375000	2315675	2000000	1986248	2100000	2075933
Total	8456000	2582500	2490442	4162500	4020145	3370000	3316117	3921250	3834993

10.3.1 Adequacy of budget allocation (10)

Every year, the Departmental Core Committee works in coordination with the Principal's office to review the budget needed for smooth operations of the Department. The budgets are proposed for the next academic year. They are proposed taking into consideration the establishment of new labs, purchase of equipments, salaries of faculties, lab maintenance activities, event organization and all other Miscellaneous expenses. The Committee presents the budget proposal to the Management members, who in consultation with the Governing Body and after due diligence, sanction the budget for the next academic year.

10.3.2 Utilization of allocated funds (20)

Funds provided to the departments are properly utilized to develop the infrastructure of the department to achieve better programme outcomes. The process implemented above helps in ensuring meticulous planning is done before the start of the semester. Zero deficiency has been noticed by AICTE and JNTUH after repeated inspections of our facilities. This shows effective implementation of the budgets.

10.4 Library and Internet (20)**10.4.1 Quality of learning resources (hard/soft) (10)**

The library books of current titles, print resources and other relevant learning materials are procured on the recommendations of HODs in consultation with their department staff for better suitability. Upon receipt of a request, scrutiny is conducted in the library to avoid duplication of the same title, if any. Further, the quotations are invited and orders are finalized by the Principal with the approval of the Management. The number of copies and titles are added every year in accordance with the norms and standards set by AICTE/JNTUH from time to time. We are maintaining SC, ST Book Bank Scheme separately. We have Separate Digital Library for e-recourses. The books are arranged according to subject classification and arranged in the library in systematic manner. We have a separate Newspaper section. Separate reference section for text books is also available in the library.

Carpet area of library (in m2)	636.38
Number of seats in reading space	200
Number of users (issue book) per day	80
Number of users (reading space) per day	300
Timings: During working day, weekend, and Vacation	8.30am to 6.00pm 9.00am to 1.00pm
Number of library staff	4
Number of library staff with a degree in Library	2
Library Management Software	ECAP
Computerization for search, indexing	OPAC
Issue/return records bar coding used	YES
Library services on Internet/Intranet INDEST or other similar membership archives	YES
Backup journal volumes	YES

Details of Library Books

Number of Titles and Volumes as on 10-02-2023		
Number of Titles: 5719		
Number of Volumes: 35708		
Financial Year	No. of Titles Added	No. of Volumes Added
2022-23	101	387
2021-22	32	210
2019-20	60	227
2018-19	56	229

Journal Subscription

Financial Year	No. of Total Technical Journals/Magazines subscribed	
	Hard Copy	Softcopy
2021-22	54	J GATE(21018), DELNET(805) Total online journals = 21823
2020-21	54	DELNET(805)
2019-20	66	J GATE(9145), DELNET, NDIGITAL(1178) Total online journals = 10,323
2018-19	119	IEEE MEMBER SHIP, J GATE (9145), DELNET, N DIGITAL (1178) Total online journals = 10,323

Relevance of available learning resources including e-resources

- Books, e-books, e-resources like NPTEL, Digital library, etc. all relevant to the courses, are offered at the college.
- IEEE back volumes and other reputed journals are also kept in the library for the reference sake for the students.

- Technical magazines such as Electronics For you, Computers Today, Digit, etc. are also available for the students to learn beyond the syllabus

Accessibility to Students

- Students can access the resources at the library from 8.30 Am to 6.00 PM.
- All the students are given 3 books. They can renew the books for every 15 days
- Video lectures from NPTEL, e-books are available in the library.

Support to students for Self-Learning Activities

All subject videos are available in the library for self-learning. Students may also access subject related handouts through college website.

10.4.2 Internet (10)

Name of the Internet provider	GTPL
Available band width	100
WiFi availability	Yes
Internet access in labs, classrooms, library and offices of all Departments	Yes
Security arrangements	Yes

Annexure I
(A) PROGRAM OUTCOME (POs)

1. **Engineering Knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem Analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

- 11. Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- 12. Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

(B) PROGRAM SPECIFIC OUTCOME (PSOs)

PSO1	Professional Skills: Understand, analyze and develop software solutions.
PSO2	Advanced Computing Skills: Provide solutions for real world problems with a broad range of programming languages and open source platforms in various computing domains.
PSO3	Interdisciplinary Solutions: Apply standard principles, practices and strategies for software development.

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 institution 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, post visit and subsequent to grant of accreditation.

Head of the Institute

Name: Dr J Govardhan

Designation: Principal

Signature:



Seal of The Institution:



Place: Ghatkesar

Date: 13-02-2023