PACE Institute of Technology&Sciences

SELF ASSESSMENT REPORT(TIER - I) FOR Civil Engg.

Part A : Institutional Information

1 Name and Address of the Institution

PACE Institute of Technology&Sciences,
NH-5,Near valluramma temple ,valluru village tangutur mandal,prakasam district ,andhra pradesh,pin-523272

2 Name and Address of Affiliating University

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA

3 Year of establishment of the Institution:

2008

4 Type of the Institution:

○ Institute of National Infortance	◉ Autonomous
○ University	○ Any other(please specify)
○ Deemed University	

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

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
CIVIL ENGINEERING	UG	2009	2009	60	Yes	120	Applying first time	--	--	Yes	4

Sanctioned Intake for Last Five Years for the CIVIL ENGINEERING	
Academic Year	**Sanctioned Intake**
2022-23	120
2021-22	120
2020-21	180
2019-20	180
2018-19	180
2017-18	180

STRUCTURAL ENGINEERING	PG	2014	2014	18	No	18	Not eligible for accreditation	--	--	No	2

8 Programs to be considered for Accreditation vide this application:

S No	Level	Discipline	Program
1	Under Graduate	Engineering & Technology	Civil Engg.
2	Under Graduate	Engineering & Technology	Computer Science & Engg.
3	Under Graduate	Engineering & Technology	Electronics & Communication Engg.
4	Under Graduate	Engineering & Technology	Mechanical Engg.
5	Under Graduate	Engineering & Technology	Electrical and Electronics Engineering

9 Total number of employees

A. Regular* Employees (Faculty and Staff):

Items	2022-23		2021-22		2020-21	
	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Engineering (Male)	210	223	208	215	206	226
Faculty in Engineering (Female)	76	83	76	82	63	67
Faculty in Maths, Science & Humanities teaching in engineering program (Male)	51	55	54	58	58	61
Faculty in Maths, Science & Humanities teaching in engineering program (Female)	27	30	24	26	20	22
Non-teaching staff (Male)	125	135	130	138	119	126
Non-teaching staff (Female)	55	63	40	50	24	27

B. Contractual* Employees (Faculty and Staff):

Items	2022-23		2021-22		2020-21	
	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Engineering (Male)	0	0	0	0	0	0
Faculty in Engineering (Female)	0	0	0	0	0	0
Faculty in Maths, Science & Humanities teaching in engineering Programs (Male)	0	0	0	0	0	0
Faculty in Maths, Science & Humanities teaching in engineering Programs (Female)	0	0	0	0	0	0
Non-teaching staff (Male)	0	0	0	0	0	0
Non-teaching staff (Female)	0	0	0	0	0	0

10 Total number of Engineering students:

Engineering and Technology- UG	☑ 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

Course Name	2022-23	2021-22	2020-21
Total no. of Boys	2813	2675	2394
Total no. of Girls	1708	1505	1372
Total	**4521**	**4180**	**3766**

Engineering and Technology- PG Shift-1

Course Name	2022-23	2021-22	2020-21
Total no. of Boys	41	54	82
Total no. of Girls	35	34	43
Total	**76**	**88**	**125**

Engineering and Technology- Polytechnic Shift-2

Course Name	2022-23	2021-22	2020-21
Total no. of Boys	659	609	567
Total no. of Girls	171	124	118
Total	**830**	**733**	**685**

Engineering and Technology- MBA Shift-1

Course Name	2022-23	2021-22	2020-21
Total no. of Boys	164	155	166
Total no. of Girls	100	89	113
Total	**264**	**244**	**279**

11 Vision of the Institution:

Our vision is to impart futuristic technical education transforming the students technically superior, ethically strong and self disciplined to serve the nation as a valuable resource.

12 Mission of the Institution:

M1:	To inculcate quality education by implementing innovative teaching-learning methods and state-of-the-art facilities.
M2:	To enrich the intellectual know-how, credibility and integrity of the students to necessitate industry.
M3:	To recognize as scholarly and influential leaders in engineering education, and to develop human power with creativity, advanced technology and passion for the betterment of future nation.

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

Head of the Institution	
Name	Dr. G V K Murthy
Designation	Principal
Mobile No.	9703020577
Email ID	principal@pace.ac.in

NBA Coordinator, If Designated

Name	Dr. T R Chaitanya
Designation	Professor in Dept. of CSE
Mobile No.	9581456542
Email ID	chaitanya_tr@pace.ac.in

PART B: Criteria Summary

Critera No.	Criteria	Total Marks	Institute Marks
1	VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES	50	50.00
2	PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES	100	100.00
3	COURSE OUTCOMES AND PROGRAM OUTCOMES	175	175.00
4	STUDENTS' PERFORMANCE	100	79.09
5	FACULTY INFORMATION AND CONTRIBUTIONS	200	191.44
6	FACILITIES AND TECHNICAL SUPPORT	80	80.00
7	CONTINUOUS IMPROVEMENT	75	75.00
8	FIRST YEAR ACADEMICS	50	44.90
9	STUDENT SUPPORT SYSTEMS	50	50.00
10	GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES	120	120.00
	Total	**1000**	**965**

Part B : Criteria Summary

1 VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES (50)

Total Marks 50.00

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

Total Marks 5.00

Institute Marks : 5.00

Vision of the institute	Our vision is to impart futuristic technical education transforming the students technically superior, ethically strong and self disciplined to serve the nation as a valuable resource.
Mission of the institute	M1: To inculcate quality education by implementing innovative teaching-learning methods and state-of-the-art facilities. M2: To enrich the intellectual know-how, credibility and integrity of the students to necessitate industry. M3: To recognize as scholarly and influential leaders in engineering education, and to develop human power with creativity, advanced technology and passion for the betterment of future nation.
Vision of the Department	To create Civil Engineering professionals, knowledge of latest trends, research technologies and ethical values to meet the developing needs of industry and society.
Mission of the Department	**Mission No.** / **Mission Statements** M1: To impart quality education in line with quality teaching – learning process. M2: To provide a better environment to encourage and support innovative research and development with ethical attitude. M3: To develop interface between industry – academia for overall improvement of the students, to serve the industry and society.

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

Total Marks 5.00

Institute Marks : 5.00

PEO No.	Program Educational Objectives Statements
PEO1	Actively engage in problem solving using engineering principles to address the evolving needs of the society.
PEO2	Able to succeed in positions in civil engineering practice or research, and in other fields they choose to pursue and enroll in advanced studies.
PEO3	Make ethical decisions and demonstrate a commitment to service to the profession and society.
PEO4	Acquire a position or degree that values adaptability and innovation in their work.
PEO5	Pursue lifelong learning, and to be leaders, both in their chosen profession and in other activities.

1.3 Indicate where the Vision, Mission and PEOs are published and disseminated among stakeholders (15)

Total Marks 15.00

Institute Marks : 15.00

The Vision, Mission and PEO statements are displayed in various places enabling clear dissemination among internal stakeholders (i.e., Management, Staff members, and Students) and external stakeholders (i.e. Parents, Employers, Alumni… etc). These are explained to stakeholders at different interactive sessions.

Adequacy in respect of publication & dissemination

The department Vision, Mission and PEO statements are available on the college website.

The department magazine which includes Vision, Mission and PEO statements that are disseminated to all stakeholders and placed on the website for clear understanding. The lab manuals and course files also contain all these statements.

The Vision, Mission and PEO statements are displayed in the HoD Chamber, staff rooms, classrooms, laboratories, department library, corridors, and notice boards in order to spread the statements to stakeholders easily.

Process of dissemination among stakeholders

Students: An awareness program is conducted at the time of the induction program for the students to make them aware of the Vision, Mission, and PEO statements. Students are continuously motivated towards the achievement of Vision.

Staff: Newly joined staff members will be inducted Vision, Mission, and PEO statements of the department. Existing staff guides the new staff to achieve the Vision through continuous improvement.

Parents: The Vision, Mission and PEO statements are explained clearly to parents during the induction program.

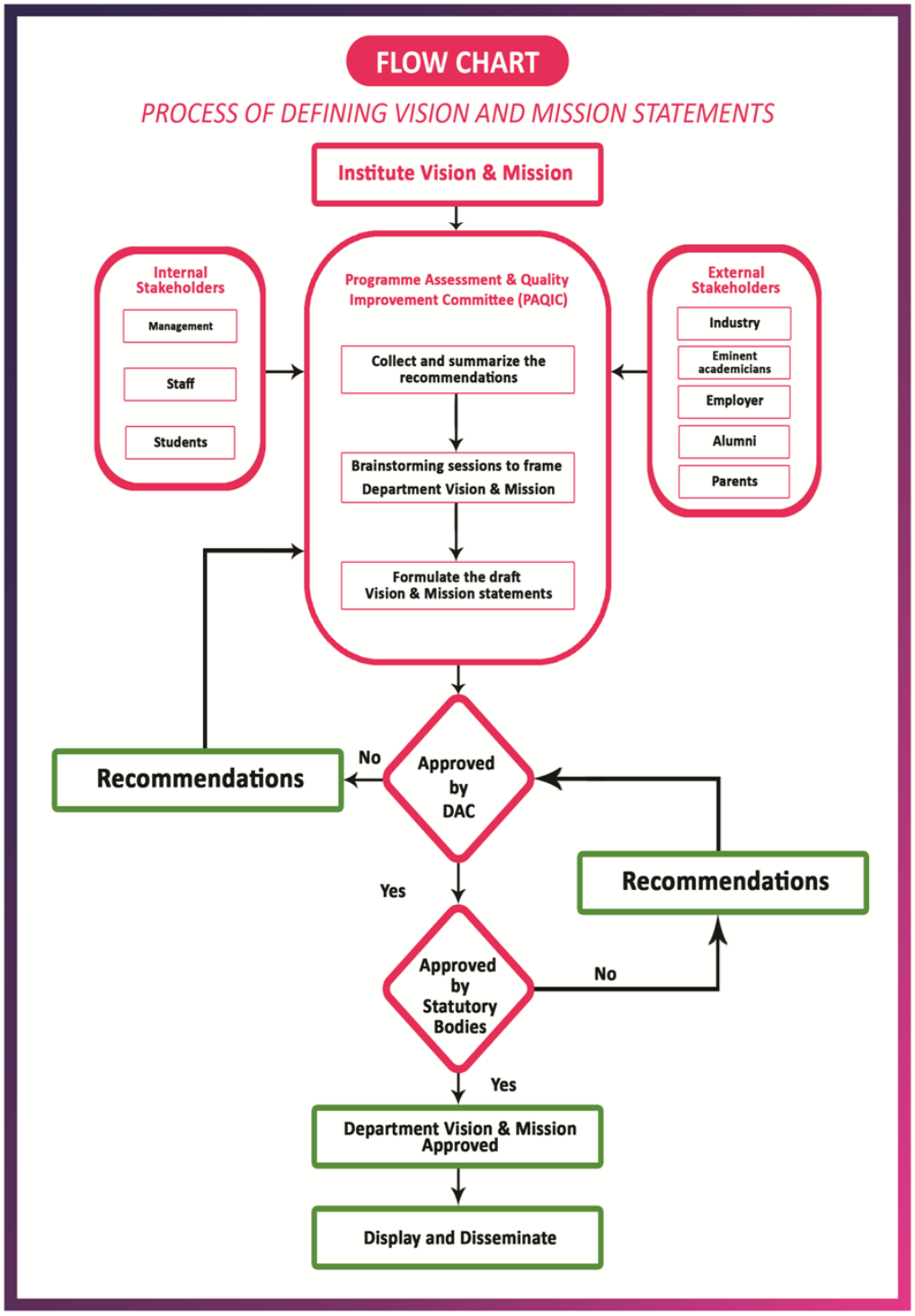
Alumni Members: The Vision, Mission and PEO statements are explained to alumni members during alumni meetings, organized at regular intervals.

Employers: When employers visit the campus for campus placements or when the placement cell approaches the employers for placement activity, the department brochure contains the Vision, Mission and PEO statements will be shared to them during company visits by placement officer.

1.4 State the process for defining the Vision and Mission of the Department, and PEOs of the program (15) Total Marks 15.00

Institute Marks : 15.00

The Process involved in defining the Vision and Mission of the Department



The Department's vision and mission are found through a consultative process involving the stakeholders, faculty of the department, and the Advisory Board members.

1.Department Vision is a derivative component of institute Vision. Department Mission statements express the steps to achieving the department's Vision.

2.The internal (i.e: Management, Staff members, Students) and external stakeholders (i.e: Parents, Employers, Alumni etc) are involved in framing or reframing the Vision and Mission of the department.

3.Programme Assessment and Quality Improvement Committee (PAQIC) collects and summarizes all the stakeholders' recommendations, referring to the department Vision and Mission of reputed institutions, professional bodies, and national and international organizations. The PAQIC will also look into areas to be addressed and resources availability.

4.Discussions and brainstorming sessions will be made among the PAQIC members to arrive at draft Vision and Mission statements.

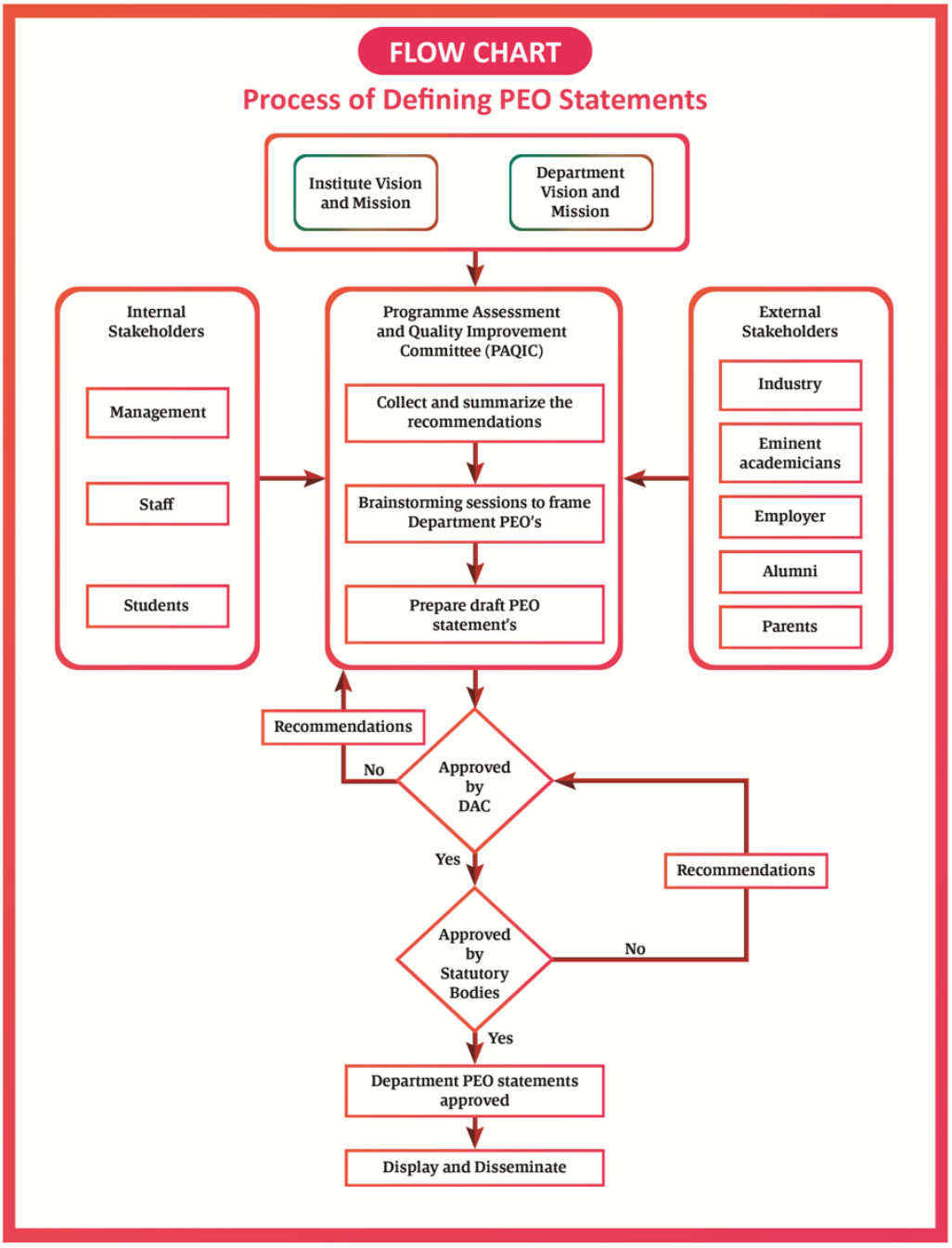
5.The PAQIC will take this forward to the Department Advisory Committee members for suggestions and PAQIC will incorporate all feasible recommendations.

6.The accepted views are analyzed and reviewed to check the consistency with the Vision and Mission of the institute.

7.The department Vision and Mission statements will be presented to the statutory bodies for final approval.

8.The approved Vision & Mission statements will be disseminated among all stakeholders.

The process involved in defining the PEOs of the program



The Program Educational Objectives are established through a consultation process involving the core constituents such as students, alumni, industry, faculty, and employers. The PEOs are established through the following process steps:

1. Program Educational Objectives (PEOs) describe the career and professional accomplishments that the program is preparing graduates to achieve after 3-5 years of completing the program.
2. Department PEO statements are a derivative component of the institute Vision, Mission and department Vision, Mission.
3. The internal (i.e. Management, Staff members, Students) and external stakeholders (i.e. Parents, Employers, Alumni.. etc) are involved in framing or reframing the PEOs of the department.
4. Alumni, Employer suggestions, and employment opportunities available in present and future are considered for framing the PEO statement.
5. Discussions and brainstorming sessions will be made among the PAQIC members to frame PEO statements.
6. The PAQIC send the PEO statements to DAC members for approval.
7. DAC verifies the correlation between the PEOs and Mission statements.
8. After making the feasible modifications suggested by DAC, the Mission statements are passed to statutory committees for approval.
9. The approved PEO statements are disseminated to all stakeholders.

1.5 Establish consistency of PEOs with Mission of the Department (10) Total Marks 10.00

Institute Marks : 10.00

PEO-1	**M-1: (Moderately Correlated : 2)** Faculties with high degree of academic professionalism combined with excellent infrastructural facilities and teaching learning methodologies shall enable graduates to perform the analysis, design and construct complex systems accept the new technological challenges.
	M-2: (Slightly Correlated : 1) Ethics of work practice to be stressed in all professional related practices.
	M-3: (Substantially Correlated : 3) Providing advanced facilities for problem solving using engineering principles, commitment to the knowledge, practical skills and research aptitude in applying their knowledge in the best interest of society and industry.
PEO-2	**M-1: (Moderately Correlated : 2)** To involve students in the discussions and deliberations on the specific contemporary technical challenges and issues, thereby inducing in them the practice of research based solutions to the problems and urge for the higher education.
	M-2: (Substantially Correlated : 3) Instructions were given to the students regarding the professional ethics to be followed in engineering practice and innovative research follows development of students to pursue and enroll in advanced studies.
	M-3: (Moderately Correlated : 2) Student participation in industry institute activities and real-time projects is encouraged.
PEO-3	**M-1: (Slightly Correlated : 1)** There is not enough correlation between academic growth and personality development courses in the curriculum, which is to be taken care of.
	M-2: (Moderately Correlated : 2) Apply ethical principles and commit to professional ethics, responsibilities and norms of the research and development. Instructions were given to the students regarding the professional ethics to be followed in engineering practice.
	M-3: (Substantially Correlated : 3) Focus on inculcating an inquisitive approach to deal with research, industrial and socially relevant tasks.
PEO-4	**M-1: (Moderately Correlated : 2)** The quality education imparted through academically proficient faculty, prepare graduates to evolve into innovatively to meet the current technical challenges.
	M-2: (Substantially Correlated : 3) The knowledge, practical skills and research aptitude sharpen at the institution would enable the graduates to have an urge for research and development and ethically sound engineers.
	M-3: (Slightly Correlated : 2) The Practical knowledge acquiring from an industry helps in adaptability and innovation in the work.
PEO-5	**M-1: (Moderately Correlated : 1)** Life-long learning and leadership activities to be effectively considered in academic regulations.
	M-2: (Substantially Correlated : 3) Exposing students to emerging trends and innovations in sustainable engineering practices, through some of the relevant software packages applicable in various domains of civil engineering would enable graduates to execute and control civil engineering projects. Quality training on this would nurture graduates into ethically strong and responsible leaders capable of addressing global challenges in the arena of civil engineering.
	M-3: (Moderately Correlated : 2) To impart training for development laboratory and software skills would enable the graduate promoting life-long learning environment.

PEO Statements	M1	M2	M3
Actively engage in problem solving using engineering principles to address the evolving needs of the society.	2	1	3
Able to succeed in positions in civil engineering practice or research, and in other fields they choose to pursue and enroll in advanced studies.	2	3	2
Make ethical decisions and demonstrate a commitment to service to the profession and society.	1	2	3
Acquire a position or degree that values adaptability and innovation in their work.	2	3	2
Pursue lifelong learning, and to be leaders, both in their chosen profession and in other activities.	1	3	2

2 PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES (100)

Total Marks 100.00

2.1 Program Curriculum (30)

Total Marks 30.00

2.1.1 State the process for designing the program curriculum (10)

Institute Marks : 10.00

PACE Institute of Technology & Sciences is an autonomous college affiliated to Jawaharlal Nehru Technological University-Kakinada (JNTUK) and has its own curriculum comprising course components like Basic sciences, Engineering sciences, Humanities, Program core, Program electives, Open electives and Mandatory courses along with Projects, Mini-projects & Internships.

The Department frames its program curriculum based on the vision and mission of the Institution and the Department. The curriculum is designed with extensive emphasis on latest technological trends, requirements of the industry, and needs of the society, Employability Skills, Entrepreneurial Skills and Life Long Learning. The program curriculum is designed and structured by the Department according to the AICTE, UGC, APSCHE and JNTUK guidelines in order to fulfill the PEOs, PSOs and POs of the Program. Stakeholder's feedback is also considered for designing the curriculum.

The Program Assessment and Quality Improvement Committee (PAQIC) draft the curriculum to meet out the requirements of Institute vision and Mission, Department Vision and Mission, AICTE, UGC, APSCHE and JNTUK guide lines, PEOs, PSOs, POs and Stakeholders feedback.

The individual courses are then discussed specifically in the department advisory committee (DAC) meetings. The committee points out the deficiencies of the curriculum keeping in view the various inputs and returns the same to the PAQIC. Once the DAC is satisfied with the contents of the curriculum, it is submitted to the program specific Board of Studies (BOS) meeting. The BOS evaluates the curriculum in terms of COs, POs, PSOs and PEOs, and various inputs so that the contents fulfill all the statutory requirements, and submitted to Academic Council (AC) for the Approval, else recommended to PAQIC, chaired by the HOD for review. Finally, the program curriculum is submitted to the Academic Council (AC) for the approval, for implementation.

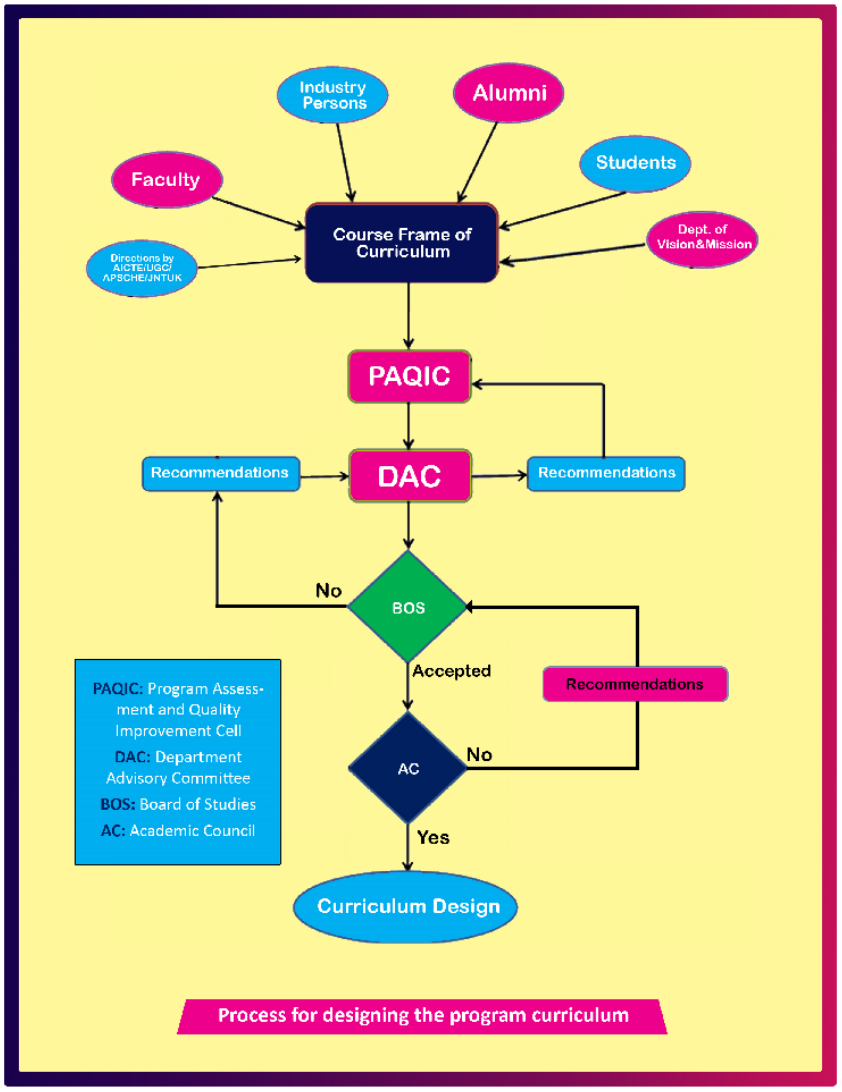


Figure 2.1.1(a) : Flowchart for program cirriculum design.

Table 2.1.1(a): Regulations implemented as per the academic year

S.No.	Regulation	Implemented Academic Year
1	R18	2018-19
2	R21	2021-22

Functions and Responsibilities of Competent Authorities

S.No.	Academic and Administrative body	Functions and responsibilities

1	**Academic Council (AC)**	The Academic Council is the highest academic body which decides and advices on all academic matters. Academic proposals of BOS from each department are scrutinized and approved with or without modifications by the academic council. It also recommends/advise the Governing Body on proposals for new program of study and other academic matters. • Scrutinize and approve the proposals with or without modification of the Boards of Studies with regard to courses of study, academic regulations, curriculum, syllabus and modifications thereof, instructional and evaluation arrangements, methods, procedures relevant there to etc., provided that where the Academic Council differs on any proposal, it will have the right to return the matter for reconsideration to the Board of Studies concerned or reject it, after giving reasons to do so. • Implement the orders issued time to time by the State Government and the affiliating University in the admission of students to different programs of study offered by the college. • Make regulations for sports, extra-curricular activities, and proper maintenance and functioning of the playgrounds and hostels. • Frame regulations in consistent with university norms to conduct examinations and initiate measures for improving the quality of teaching, students' evaluation and advisory system in the College. • Encourage faculty members to undertake sponsored research, industrial consultancy, continuing education and related activities. • Recommend to the Governing Body proposals for institution of new programs study. • Recommend to the GB the institution of scholarships, fellowships, prizes and medals, and to frame regulations for the award of the same. • Advise the GB on suggestions pertaining to academic affairs made by it. • Perform such other functions as may be assigned by the Governing Body.
2	**Boards of Studies (BOS)**	• Prepare syllabi for various courses keeping in view the objectives of the institute, interest of the stakeholders and national requirement, for consideration and approval of the Academic Council • Suggest methodologies for innovative teaching and evaluation techniques • Suggest panel names to the Academic Council for appointment as paper setters, evaluators, examiners etc. • Coordinate research, teaching, extension and other academic activities in the department/college • Elaborate discussions on starting new courses, programs etc.
3	**Department Advisory Committee (DAC)**	• The DAC interacts and maintains liaison with stakeholders • The DAC is chaired by HOD who receives the report of the DAC and monitors the progress of the program. • The Committee develops and recommends new or revised goals and objectives of the program. • Based on the inputs received from PAQIC, the committee reviews and analyzes the gap between curriculum and industry requirements and gives necessary feedback or advice actions. • Recommends MOOCs courses like NPTEL, edx, spoken tutorial, etc, FDP, STTPs/ Guest Lectures monitoring, Budget proposal and Lab facilities. • Review on student feedback.
4	**Program Assessment and Quality Improvement Committee (PAQIC)**	• Track the results of Program Outcomes (POs), Program Specific Outcomes (PSOs) and Program Educational Objectives (PEOs), and plan the steps required to achieve POs, and PSOs • Evaluates program effectiveness and proposes necessary changes for continuous improvement • Prepares periodic reports on program activities, progress status or other special reports for management key stake holders • Review on Exit Survey, Alumni Survey, and Employer Survey • Motivates the faculty and students towards attending workshops, developing projects, working models, paper publications and records • Interact with stakeholders and DAC to facilitate the achievement of POs, PSOs, and maintain track record and current status • Program Assessment and Quality Improvement Committee meets periodically to review the program and submits report to Department Advisory Committee

2.1.2 Structure of the Curriculum (5) Institute Marks : 5.00

ID	Course Code	Course Title	Lecture (L)	Tutorial (T)	Practical (P)	Total Hours	Theory Credits	Practical Credits	Total Credits
1	P18HST01	English-I	3	0	0	3	3	0	3
2	P18BST01	Mathematics-I	3	0	0	3	3	0	3
3	P18BST06	Engineering Chemistry	3	0	0	3	3	0	3
4	P18EST01	Basic Electrical &Electronics Engineering	3	0	0	3	3	0	3
5	P18EST03	C-Programming for Problem Solving	3	0	0	3	3	0	3
6	P18BSL04	Engineering Chemistry Lab	0	0	3	3	0	1.5	1.5
7	P18ESL01	Basic Electrical &Electronics Engineering Lab	0	0	3	3	0	1.5	1.5
8	P18ESL03	C-Programming for Problem Solving Lab	0	0	3	3	0	1.5	1.5
9	P18MCT01	Induction Program	3	0	0	3	0	0	0
10	P18HST02	English-II	3	0	0	3	3	0	3
11	P18BST02	Mathematics-II	3	0	0	3	3	0	3
12	P18BST04	Engineering Physics	3	0	0	3	3	0	3
13	P18EST04	Engineering Mechanics	3	1	0	4	4	0	4
14	P18EST02	Engineering Graphics	1	0	3	4	2.5	0	2.5
15	P18BSL02	Engineering Physics Lab	0	0	3	3	0	1.5	1.5
16	P18HSL01	English communication skills Lab	0	0	4	4	0	2	2
17	P18ESL02	Engineering Workshop	0	0	3	3	0	1.5	1.5
18	P18MCT02	Environmental Science	3	0	0	3	0	0	0
19	P18BST07	Mathematics-III	3	0	0	3	3	0	3
20	P18CET01	Strength of Materials-I	3	1	0	4	4	0	4
21	P18CET02	Building Materials and Constructions	3	0	0	3	3	0	3
22	P18CET03	Surveying	3	0	0	3	3	0	3
23	P18CET04	Fluid Mechanics	3	1	0	4	4	0	4
24	P18CEL01	Surveying Field Work Lab-I	0	0	3	3	0	1.5	1.5
25	P18CEL02	Strength of Materials Lab	0	0	3	3	0	1.5	1.5
26	P18CEL03	Engineering Geology Lab	1	0	2	3	0	2	2
27	P18MCT03	Professional Practice, law &Ethics	2	0	0	2	0	0	0
28	P18CET05	Structural Analysis-I	3	0	0	3	3	0	3
29	P18CET06	Concrete Technology	3	0	0	3	3	0	3
30	P18CET07	Water Resources Engineering-I	3	0	0	3	3	0	3
31	P18CET08	Hydraulics & Hydraulic Machinery	3	1	0	4	4	0	4
32	P18CET09	Strength of Materials-II	3	1	0	4	4	0	4
33	P18CEL04	Surveying Field Work Lab-II	0	0	2	2	0	1	1
34	P18CEL05	Fluid Mechanics &Hydraulic Machinery Lab	0	0	3	3	0	1.5	1.5
35	P18CEL06	Concrete Technology Lab	0	0	3	3	0	1.5	1.5
36	P18MCT05	Indian Constitution	2	0	0	2	0	0	0
37	P18CET10	Building Planning &Drawing	2	0	2	4	3	0	3
38	P18CET11	Design & Drawing of Reinforced Concrete Structures	3	1	0	4	4	0	4
39	P18CET12	Transportation Engineering-I	3	0	0	3	3	0	3
40	P18CET13	Structural Analysis-II	3	0	0	3	3	0	3
41	P18CET14	Water Resources Engineering-II	3	0	0	3	3	0	3

42	P18MCT08	Design Thinking for Innovation	0	0	4	4	2	0	2
43	P18CEL07	Computer Aided Civil Engineering Drawing Lab	0	0	2	2	0	1	1
44	P18MCT09	Biology	2	0	0	2	0	0	0
45	P18XXOXX	OPEN ELECTIVE-1	2	0	0	2	2	0	2
46	P18CET15	Design & Drawing of Steel Structures	3	1	0	4	4	0	4
47	P18CET16	Geotechnical Engineering-I	3	1	0	4	4	0	4
48	P18CET17	Transportation Engineering-II	3	0	0	3	3	0	3
49	P18CEXXX	Professional Elective -1	3	0	0	3	3	0	3
50	P18XXOXX	Open Elective -2	2	0	0	2	2	0	2
51	P18CEL08	Geotechnical Engineering Lab	0	0	3	3	0	1.5	1.5
52	P18CEL09	Transportation Engineering Lab	0	0	3	3	0	1.5	1.5
53	P18CEM01	Mini Project Work	0	0	4	4	0	2	2
54	P18CET18	Geotechnical Engineering-II	3	1	0	4	4	0	4
55	P18CET19	Environmental Engineering	3	0	0	3	3	0	3
56	P18CET20	Estimating, Specifications & Contracts	3	1	0	4	4	0	4
57	P18CET21	Remote Sensing And GIS	3	0	0	3	3	0	3
58	P18CEXXX	Professional Elective -2	3	0	0	3	3	0	3
59	P18XXOXX	Open Elective -3	2	0	0	2	2	0	2
60	P18CEL10	Environmental Engineering lab	0	0	3	3	0	1.5	1.5
61	P18CEL11	Structural Analysis & Design Programming Lab	0	0	3	3	0	1.5	1.5
62	P18MCT14	Employability Skills	2	0	0	2	0	0	0
63	P18CEXXX	Professional Elective -3	3	0	0	3	3	0	3
64	P18XXOXX	Open Elective -4	2	0	0	2	2	0	2
65	P18CEP01	Project Work	0	0	12	12	0	6	6
66	P18CEI01	Internship	0	0	0	0	0	2	2
		Total	**125**	**10**	**74**	**209**	**124.5**	**35.5**	**160.0**

2.1.3 State the components of the curriculum (5)

Institute Marks : 5.00

Course Components	**Curriculum Content (% of total number of credits of the program)**	**Total number of contact hours**	**Total number of credits**
Basic Sciences	11.25	28.00	18
Engineering Sciences	9.375	36.00	15
Humanities and Social Scie	5	11.00	8
Program Core	56.25	90.00	90
Program Electives	5.625	9.00	9
Open Electives	5	8.00	8
Project(s)	5	14.00	8
Internships/Seminars	1.25	0.00	2
Any other (Please specify)	1.25	6.00	2
Total number of Credits			**160**

2.1.4 State the process used to identify extent of compliance of the curriculum for attaining the Program Outcomes and Program Specific Outcomes as mentioned in Annexure I (10)

Institute Marks : 10.00

The curriculum for B.Tech program in Civil Engineering maintains balance among various components from Basic Sciences, Engineering Sciences, Humanities and Social Sciences, Professional Core, Professional Electives, Open Electives, Project work & Practical Training/Internship and mandatory courses.

A detailed matrix is prepared by mapping of all courses in the program with POs and PSOs along with their level of correlation: 1 (low), 2 (medium) and 3 (high). The process of measuring the attainment of POs and PSOs through COs is demonstrated and properly documented in criteria 3. If POs and PSOs are not attained as per the specified target levels, then corrective measures will be taken to fill the curriculum gap.

Table 2.1.4(a): Details of Course Codes allocation for R18 Regulation

Semester	Course Name	Code
I	English - 1	C101
	Mathematics - I	C102
	Engineering chemistry	C103
	Basic electrical & electronics engineering	C104
	C-Programming for problem solving	C105
	Engineering chemistry lab	C106
	Basic electrical & electronics engineering lab	C107
	C-Programming for problem solving lab	C108
II	English - II	C109
	Mathematics - II	C110
	Engineering physics	C111
	Engineering Mechanics	C112
	Engineering Graphics	C113
	Engineering physics lab	C114
	English communication skills lab	C115
	Engineering work shop	C116
	Environmental science	C117
III	Mathematics-III	C201
	Strength of Materials-I	C202
	Building Materials and Construction	C203
	Surveying	C204
	Fluid Mechanics	C205
	Professional Practice, Laws and Ethics	C206
	Surveying Field Work Lab-I	C207
	Strength of Materials Lab	C208
	Engineering Geology Lab	C209
IV	Structural Analysis-I	C210
	Concrete Technology	C211
	Water Resources Engineering-I	C212
	Hydraulics & Hydraulic Machinery	C213
	Strength of Materials-II	C214
	Indian Constitution	C215
	Surveying Field Work Lab-II	C216
	Fluid Mechanics & Hydraulic Machinery Lab	C217
	Concrete Technology Lab	C218
V	Building Planning & Drawing	C301
	Design & Drawing of Reinforced Concrete Structures	C302
	Transportation Engineering-I	C303
	Structural Analysis-II	C304
	Water Resources Engineering-II	C305
	Open Elective - I	C306
	Design Thinking	C307
	Biology	C308
	Internship	C309
	Computer Aided Civil Engineering Drawing Lab	C310
VI	Geotechnical Engineering-I	C311
	Design and Drawing of Steel Structures	C312
	Transportation Engineering-II	C313
	Professional Elective-I	C314
	Open Elective - II	C315
	MINI PROJECT	C316
	Geotechnical Engineering Lab	C317
	Transportation Engineering Lab	C318

VII	Geotechnical Engineering - II	C401
	Environmental engineering	C402
	Estimating, Specifications &Contracts	C403
	Remote Sensing And GIS	C404
	Professional Elective-II	C405
	Open Elective - III	C406
	Employability Skills	C407
	Environmental Engineering lab	C408
	Structural Analysis & Design Programming Lab	C409
VIII	Professional Elective-III	C410
	open Elective-IV	C411
	Project	C412

Table 2.1.4(b): Mapping of Courses with POs and PSOs for R18 Regulation

Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C101	-	-	-	-	-	-	-	-	3	2	-	-	-	-	1
C102	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
C103	2	2	2	2	-	-	3	-	-	1	-	-	2	-	-
C104	3	2	3	-	-	-	-	-	-	-	-	-	3	-	2
C105	2	3	3	-	-	-	-	-	-	-	-	-	-	-	-
C106	3	2	3	-	-	-	-	-	-	-	-	-	3	-	2
C107	2	2	-	-	-	-	-	-	-	-	-	-	2	-	-
C108	3	2	3	-	-	-	-	-	-	-	-	-	3	-	2
C109	-	-	-	-	-	-	-	-	3	3	-	-	-	-	2
C110	2	2	-	-	-	-	-	-	-	-	-	-	2	-	-
C111	3	2	3	-	-	-	-	-	-	-	-	-	3	-	2
C112	3	2	3	-	-	-	-	-	-	-	-	-	-	-	-
C113	3	2	3	-	-	-	-	-	-	-	-	-	3	-	2
C114	2	2	2	3	-	-	-	-	-	-	-	-	2	-	-
C115	3	2	3	-	-	-	-	-	-	-	-	-	3	-	-
C116	2	2	2	3	-	-	-	-	-	-	-	-	2	-	-
C117	2	2	2	-	-	2	2	-	-	-	-	-	2	-	-
C201	3	3	3	-	-	-	-	-	-	-	-	-	-	3	-
C202	3	3	2	3	-	-	-	-	-	-	-	-	3	3	-
C203	3	3	3	3	-	-	-	-	-	-	-	-	2	2	-
C204	2	3	3	2	-	-	-	-	-	3	-	-	2	3	-
C205	3	3	3	3	-	-	-	-	-	-	-	-	3	3	-
C206	-	-	-	-	-	3	-	3	2	-	-	-	3	-	3
C207	2	2	2	2	-	-	-	-	2	2	-	2	2	2	-
C208	2	3	3	3	-	-	-	-	3	2	-	-	2	2	-
C209	2	2	-	2	-	-	-	-	2	2	-	-	2	2	-
C210	3	3	-	2	-	-	-	-	-	-	-	-	3	3	-
C211	3	3	3	-	-	3	-	-	-	3	-	-	3	3	-
C212	3	3	-	3	-	-	3	-	-	-	-	-	3	2	-
C213	3	2	2	3	-	-	-	-	-	-	-	-	2	2	-
C214	3	2	2	3	-	-	-	-	-	-	-	-	2	2	-
C215	-	-	-	-	-	3	-	3	-	-	-	-	-	-	3
C216	3	3	3	2	2	-	-	-	3	3	-	2	3	3	-
C217	3	2	2	-	-	-	-	-	3	3	-	-	2	2	-
C218	3	2	2	3	-	-	-	-	3	2	-	2	3	3	-
C301	2	3	2	3	3	3	-	-	-	3	-	-	2	3	-
C302	2	3	2	2	-	-	-	-	-	-	-	-	2	2	-
C303	3	3	3	3	-	3	-	-	-	-	-	-	3	3	-
C304	3	2	2	2	-	-	-	-	-	-	-	-	3	2	-
C305	3	3	3	3	-	-	-	-	-	-	-	-	3	3	-
C306	3	2	3	-	-	-	-	-	-	-	-	-	3	-	2
C307	2	2	2	2	-	3	-	3	3	2	2	3	-	3	-
C308	3	2	3	-	-	-	-	-	-	-	-	-	-	-	-
C309	2	2	1	2	2	1	2	2	2	2	2	2	2	2	
C310	2	2	2	2	2	-	-	2	-	3	-	-	3	3	-
C311	3	3	3	3	-	-	-	-	-	-	-	-	3	3	-
C312	2	2	2	2	-	2	-	-	-	2	-	-	2	2	-
C313	2	2	3	2	-	-	-	-	-	-	-	-	2	3	-
C314	3	3	3	2	3	-	3	-	-	-	2	2	3	3	-
C315	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-
C316	2	2	1	2	2	1	2	2	2	2	2	2	2	2	2
C317	3	2	3	2	-	-	-	-	3	2	-	2	2	2	-
C318	2	3	2	3	-	-	-	-	2	2	-	2	3	2	-

C401	2	2	2	2	-	3	-	-	-	2	-	-	2	2	-
C402	2	3	3	2	-	2	2	-	-	3	-	-	2	2	-
C403	3	3	3	-	-	-	-	-	-	-	-	-	3	-	3
C404	2	2	2	3	2	2	2	-	-	2	-	2	-	2	-
C405	3	3	3	3	-	3	-	-	-	3	3	-	3	3	-
C406	3	3	3	-	-	-	-	-	-	-	-	-	3	-	3
C407	3	2	2	3	3	3	-	3	3	3	3	3	2	-	3
C408	2	3	3	2	-	2	3	-	-	-	-	2	3	3	-
C409	2	3	3	3	2	-	-	-	-	-	-	-	3	2	-
C410	3	3	3	2	-	3	3	-	-	2	1	-	3	2	-
C411	3	2	3	-	-	-	-	-	-	-	-	-	3	-	2
C412	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3

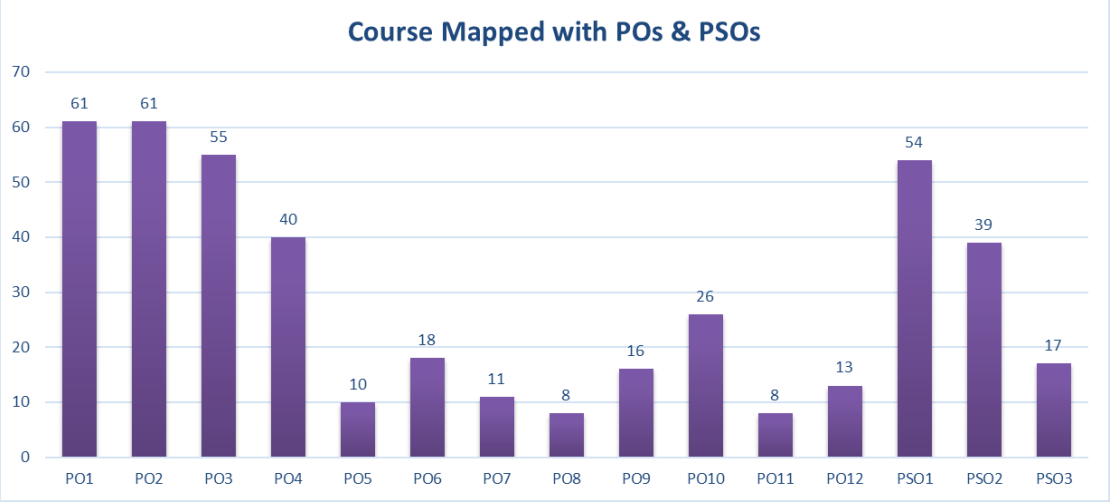


Figure 2.1.4(b) Number of Courses mapped to each PO and PSO for R18 Regulation

The process for attaining the Program Outcomes and Program Specific Outcomes is shown figure .

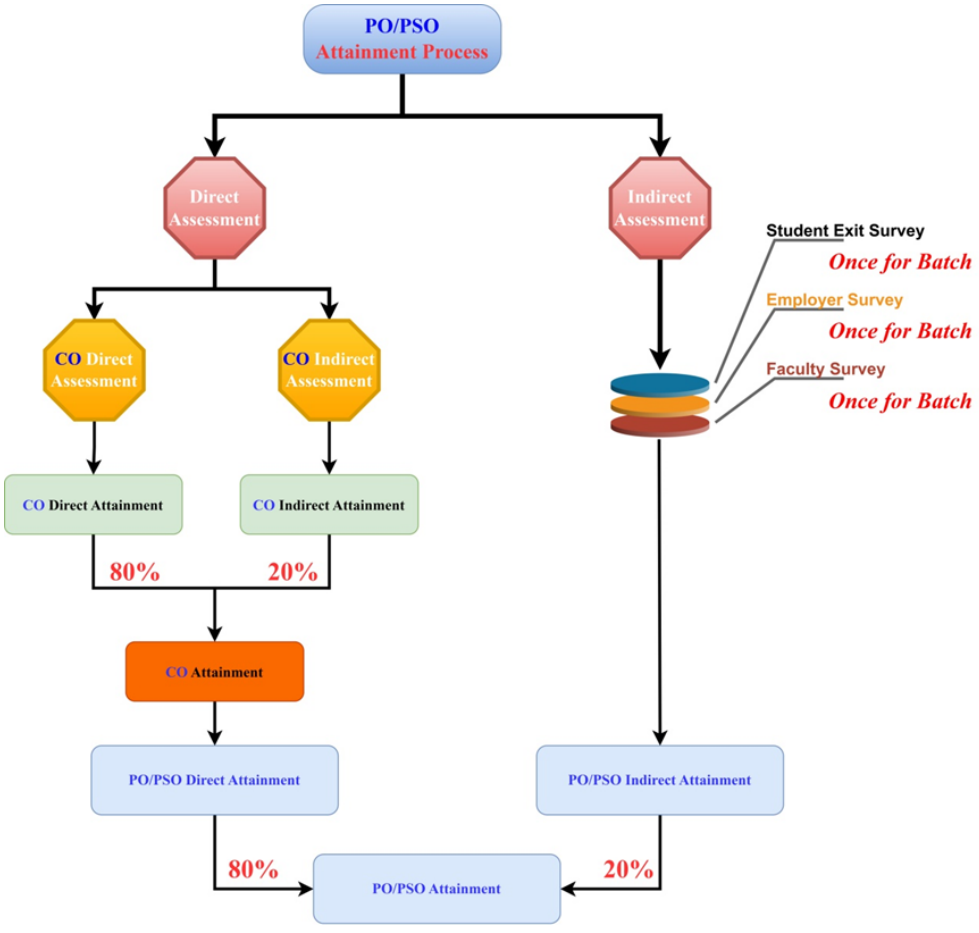


Figure 2.1.4(b): Flow diagram of curriculum for attaining the PO'S and PSO'S

2.2 Teaching-Learning Processes (70) Total Marks 70.00

2.2.1 Describe Processes followed to improve quality of Teaching & Learning (15)

Institute Marks : 15.00

Teaching and Learning are necessary actions to accomplish the educational goals. The Department of Civil Engineering follows and introduces the different pedagogical methodologies and initiatives for the continuous improvement of the quality of Teaching – Learning. For all the initiatives taken up in teaching and learning appropriate documentation is done to visualize the impact on the performance of the students.

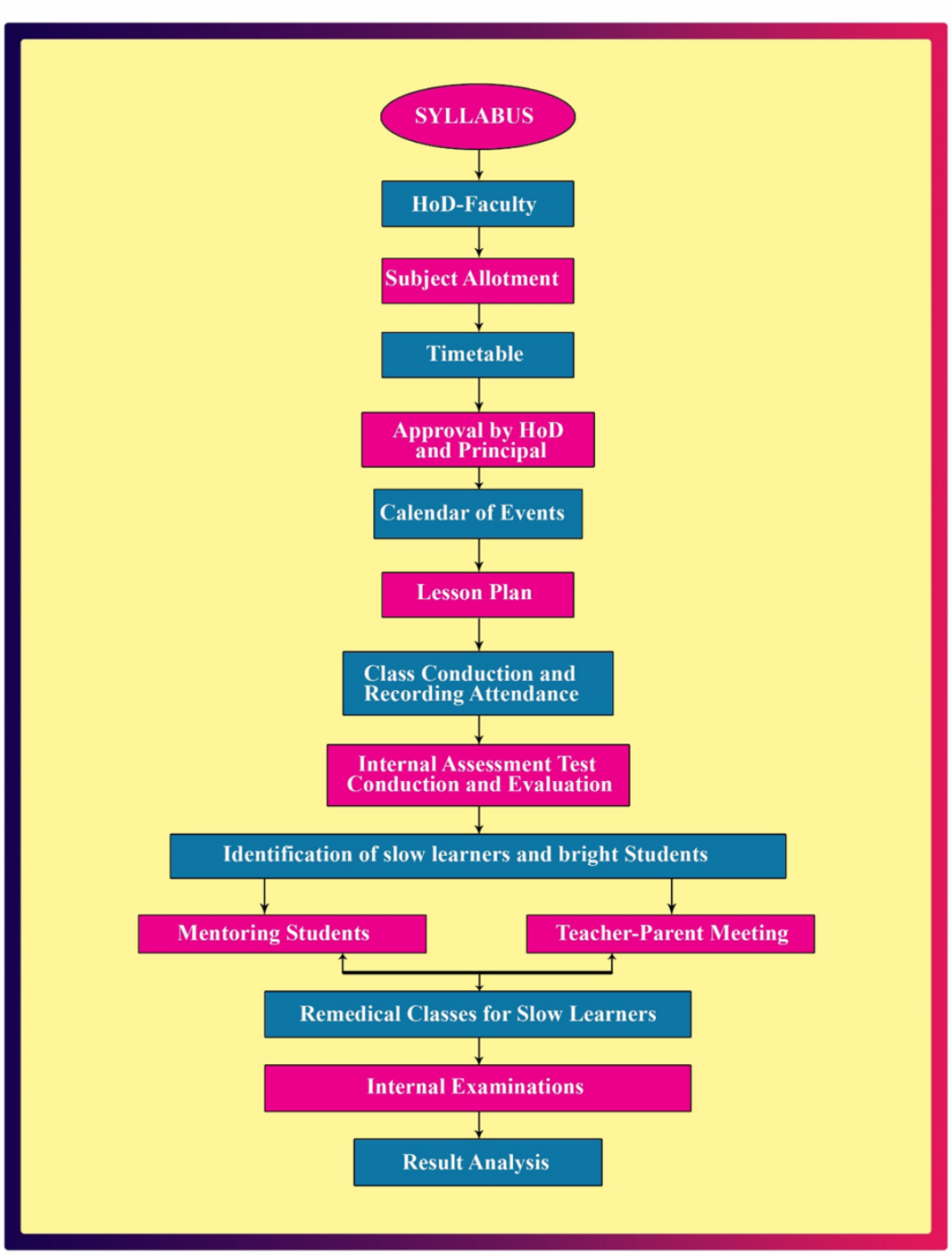


Figure 2.2.1 Flow chart to improve Quality of Teaching- Learning

To strengthen the teaching-learning process, following initiatives have been taken:

A. Adherence to Academic calendar

Preparation & Adherence to Academic calendar:

Following the overall affiliating university timelines for completion of the various academic activities, well in advance to the commencement of the academic year, academic calendar is prepared. Ensuring the minimum number of instruction days as per the UGC norms, all the academic activities such as instruction weeks, schedules for continuous and end-semester assessments are planned. Programme coordinator conducts the reviews periodically to verify the adherence of academic calendar.

SRINIVASA EDUCATIONAL SOCIETY'S

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CIRCULAR

The Proposed Academic Calendar for II, III, IV Year I & II Semester B.Tech Programme during the Academic year 2021-22 is detailed below.

B.Tech II, III & IV Year I Semester			
Description	From	To	Weeks
Commencement of I Semester Class Work	01/10/2021		
I Unit of Instructions	01/10/2021	20/11/2021	7W
Assignment-I & Class Room Test-I	18/10/2021	23/10/2021	1W
Assignment-II & Class Room Test-II	08/11/2021	13/11/2021	1W
I Mid Examinations	22/11/2021	27/11/2021	1W
II Unit of Instructions	29/11/2021	15/01/2022	7W
Assignment-III & Class Room Test-III	06/12/2021	11/12/2021	1W
Assignment-IV & Class Room Test-IV	27/12/2021	01/01/2022	1W
Assignment-V & Class Room Test-V	10/01/2022	15/01/2022	1W
II Mid Examinations	17/01/2022	22/01/2022	1W
Practical Examinations & Preparation	24/01/2022	29/01/2022	1W
Semester End Examinations	31/01/2022	12/02/2022	2W
B.Tech II & III Year II Semester			
Commencement of II Semester Class Work	14/03/2022		
I Unit of Instructions	14/03/2022	02/04/2022	7W
Assignment-I & Class Room Test-I	28/02/2022	05/03/2022	1W
Assignment-II & Class Room Test-II	21/03/2022	26/03/2022	1W
I Mid Examinations	04/04/2022	09/04/2022	1W
II Unit of Instructions	11/04/2022	28/05/2022	7W
Assignment-III & Class Room Test-III	18/04/2022	23/04/2022	1W
Assignment-IV & Class Room Test-IV	09/05/2022	14/05/2022	1W
Assignment-V & Class Room Test-V	23/05/2022	28/05/2022	1W
II Mid Examinations	30/05/2022	04/06/2022	1W
Practical Examinations & Preparation	06/06/2022	11/06/2022	1W
Semester End Examinations	13/06/2022	25/06/2022	2W
Commencement of Next Year Class Work	04/07/2022		

Note: Calendar is prepared with 8 hrs/day hence 8 weeks per instruction period.

Controller of Examinations

PRINCIPAL

PRINCIPAL
PACE INSTITUTE OF TECHNOLOGY & SCIENCES
(AUTONOMOUS)
VALLUR, ONGOLE-523 272, ANDHRA PRADESH

Copy to:

: All HoD's for necessary action
: Dean Academics - for information
: Office File
: Director, IQAC- for information
: Administrative Officer – for information
: Notice board at Exam Cell & System

Figure: 2.2.1(a): Proposed Academic Calendar

Event calendar of Co-curricular and Extracurricular activities:

For the holistic growth of the students apart from the curricular activities to enhance the technical skills and soft skills of the students, different Co-curricular and Extra-curricular activities are planned during the semester in addition to the class work. As per the event calendar, the faculty coordinators of the respective departments ensure the conduct of activities.

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NH-16, Near Valluramma Temple, ONGOLE - 523 272, A.P., INDIA. Ph: 08592 278315, 9581456310 www.pace.ac.in

DEPARTMENT OF CIVIL ENGINEERING

Event Calender for II-Sem of A.Y 2021-2022

Month	Week	Events
March	3rd week	1.Programme on Employability
		2. Programme on Entrepreneurship
		3. MOU's with industry
		4. Hobby club activities
		5. Value-added courses
		6. Faculty Self Appraisal(API)
	4th week	7. Industry Interactions
		8. EDP activities
		9. NPTEL (Staff & Students)
		10. Mentoring by senior Students
		11. Classes by senior students to juniors
		12. Industrial Visits
		13. IIC
April	1st week	1. Journal publications by Staff & student(Scopus indexed only)
		2. Guest Lectures organized
		3. Student professional chapter activities
		4. Product Development
		5. Patents
		6. ICT, APSSDC, APITA
	2nd week	7. Women Empowerment activities (Professional &General)
		8. Academic & Administrative Audit (AAA)
		9. MSME
		10. NSS/NCC
		11. Faculty mentoring
		12. Workshops/Seminars on Intellectual Property Rights (IPR)
	3rd week	14. Programme on Career Guidance
		15.Short Term Course, Faculty Development Programme
		16. EDP activities
		17. Guest Lectures
		18. Student professional chapter activities
		19. Spoken Tutorials
	4th week	20. FDPs (One week program only) Organized
		21. Workshops(One week program only)
		22. International conferences
		23. Seminars
		24. Professional body activities
		25. Student Certifications on skills
		26. Product Development
May	1st week & 2nd week	1. Patents
		2. Internships
		3. Activities for promotion of universal Values and Ethics
		4. Innovation competitions
	3rd week & 4th week	5. Industry consultancy
		6. Virtual Labs
		7. Unnath bharat abhiyan
		8. Programme on Career Guidance
June	1st week & 2nd week	1. Spoken Tutorials
		2. Mentoring by senior Students
		3. Programme on skill development

Month	Student Activites	Faculty Activites
March	12	2
April	24	4
May	8	3
June	3	1
Total	47	10

Head of the Department
CIVIL ENGINEERING
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ONGOLE-523 272.

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Figure: 2.2.1(b): Proposed Event Calendar

B. Pedagogical Initiatives – Content Delivery (Methodology of instruction)

Pedagogies play an important role in delivering contents of syllabus and it varies with the audience. Course allocation is made based on the choice/ expertise of the faculty members in advance by following a well-defined process before the commencement of each semester. Each faculty member prepares a detailed lesson plan, assignments questions, quiz questions, Course handouts containing teaching materials and question bank comprising previous question papers etc. for the allocated course. Course materials are uploaded in LMS. Various pedagogical methodology adopted for effective teaching and learning process to achieve the expected outcomes of teaching are:

1. ICT Based Learning
2. Collaborative/Cooperative teaching/ Learning
3. Laboratory/ Video based demonstration
4. Group Discussion/Presentation
5. Digital Library for self learning
6. Google Class Room
7. NPTEL and SWAYAM (self learning courses)
8. Project based learning
9. Industrial Visits
10. Internships
11. Conference/workshop/seminar/expert lectures
12. Citing real world examples for application based courses
13. Power Point Presentations
14. Animated videos
15. Hands on training
16. Explanation with models and instruments
17. Access to study material
18. Explanation with charts
19. Case studies
20. Add on course
21. NSS activities
22. Industry collaborated lab based learning
23. NCC activities
24. Design Thinking
25. Co- curricular activities
26. Flipped classroom
27. CGC activities
28. Personality development Programs
29. Job Oriented Training Activities

1. **ICT Based Learning:**

Use of LCD projectors, Smart boards and provision for interactive teaching learning.

Figure: 2.2.1B-1: Ground Water Engineering Course content Delivery using ICT Tools

2. Collaborative / Cooperative teaching/ learning:

Students share knowledge by discussing topics in small group or in peer mode.

3. Laboratory/ video based demonstration:

Real world system or process /parts of whole system or process are demonstrated using modern tools.

Figure 2.2.1B-3: Lab Based Demonstration about the Stress- Strain behaviour

4. Group discussion/ presentation:

Students learn through group discussion or asked to deliver short presentation on a topic.

Figure: 2.2.1.B-4: A discussion on Traffic Issues & Solutions

5. Digital Library for self-learning:

Digital libraries provide the students with the convenience of learning at their own comfort. Students can access and read the library materials in various digital formats (eBooks, audio books, videos) like National Digital Library etc...

Figure 2.2.1B-5: Provision of Access to Digital library

6. Google Classroom:

The Google classroom is an innovative tool which is very effectively used in our campus for few courses. Faculty members add all students to it before commencement of every semester for every course. They also upload course plans, eBooks, course materials, video lectures, question banks etc. It helps the students to come prepared to the class. The tools in the Google class room facilitate online assessment of students, which can be used to measure the outcomes of each course.

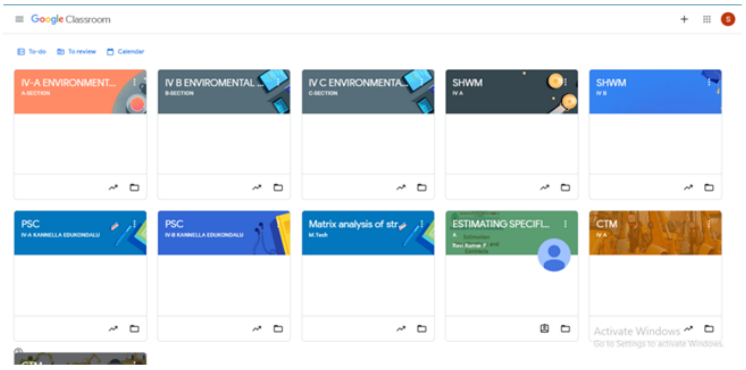

Figure 2.2.1B-6: Google Classroom for IV Years

7. NPTEL and SWAYAM (Self- learning Courses) :

The faculty members as well as students are using E-sources such as NPTEL and SWAYAM courses for effective teaching and learning respectively and for honing up self-learning and life-long learning. The registration and participation of students in MOOC Courses like NPTEL are evidences of their self-learning capabilities. These courses enable them to enrich their subject knowledge, exposing them to recent technological advancements and also serve them as a platform to strengthen their interdisciplinary skills. They inculcate in them an affinity towards lifelong learning process. The following tables show the NPTEL courses registered by our student's/faculty members.

Figure 2.2.1B: Sample Certificates of Self Learning Course

8. Project Based Learning:

Project Based Learning is significantly more effective than traditional instruction to train competent and skilled practitioners and it promotes long-term retention of knowledge and skills. It is an innovative practice that is used to implement Outcome Based Education Students is compulsorily to take project work in 7th and 8th semesters. 2-4 students in a group are allowed to identify the project area / title, obtain the consent of faculty/industry professionals to guide them. At the end of the each semester, projects are evaluated by the external faculty members.

Figure 2.2.1B-8: Project based Learning

9. Industrial Visits

Industrial visits are arranged to get the student's acquainted with industrial environment and work ethics.

Figure 2.2.1B-10: A Visit to RMC Plant

10. Internship

At the end of every semester or in vacation time students is allowed to carry out internship in reputed industries/companies to get practical exposure from industries It helps the students to bridge the gap between the subject's studies and industrial need.

Figure 2.2.1B-11: Gundlakamma Reservoir Inspection Under the Guidance of Murali Krishna Deputy Executive Engineer of Ongole Division Irrigation Department of AP State.(2021-22)

11. Conference/Workshop/Seminars/Expert Lecture:

The Department organizes conferences/workshops/seminars/expert lecture every year to enrich the knowledge of students. This provides a platform for both the faculty and students to share their knowledge and to hold discussion with eminent people from both academia and industry and also with their peers. These events help the students to acquire different soft skills.

Figure 2.2.1B-12: GGBS for strong, durable, sustainable & green concrete construction

12. Citing real world examples for application based courses:

Civil engineers design, manufacture, and maintain both natural and manmade infrastructures including dams, bridges, roads, airports, parks, pipelines, railways, power plants, water treatment facilities, sewage systems, and stadiums.

13. Power Point Presentations:

Students are motivated to deliver lecture on specific topic to improve the self learning skills.

Figure 2.2.1B-13: Sample of Students Presentations

14. Animated videos:

Department has been following these kind of practice to get students study focused.

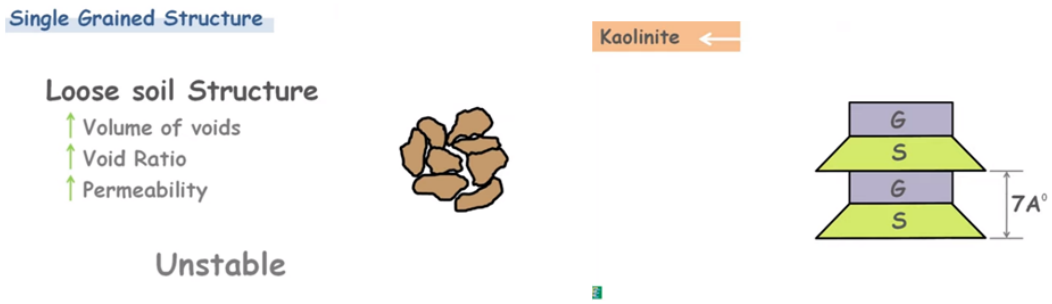

Figure2.2.1B-15: Soil Structure & Clay Mineralogy

15. Hands on training:

Practices of Hands on Training Programs are being organized to bridge the gaps in course & research or Industrial needs.

Figure 2.2.1B-16: Training program on land survey by total Station

16. Explanation with models and instruments:

Content delivery using the models for better understanding of course and also help the students to active engaging in the class room.

17. Access to study material :

Study materials are being shared to the students through their whatsapp, Mail Ids and also through the college portal, LMS & Moodle.

18. Explanation with charts

Course delivery through the charts are being in the practises when ever is essential.

19. Case studies:

Students are assigned to work at construction site to improve the learning capabilities, leadership Qualities, teamwork, practical learning.

Figure 2.2.1-B21: Case study on floor level alignment

20. Add on course:

Apart from the practical training in the laboratories, the department has been organising various value-added courses so that students may become independent thinkers and develop their future plans through developing their self-worth, confidence, and leadership abilities.

Figure 2.2.1B-20: Add-On course on Steel Detailing

21. NSS activities:

NSS activities are being implemented to develop the personality and character of the student youth through voluntary community service.

Figure 2.2.1B-23: NSS Activities

22. Industry collaborated lab based learning:

Department has been practicing various Industry collaborated lab practices to impart skills to students and help them to choose career options.

23. NCC activities:

With the aim of Developing Character, Comradeship, Discipline, Leadership, Secular Outlook, Spirit of Adventure, and Ideals of Selfless Service amongst the students the college has established NCC unit.

Figure 2.2.1B-23: NCC activities

24. Design Thinking:

Institution has included the course in the curriculum for enhancing the Creative Problem Solving Skills.

Figure 2.2.1B-26: Understanding Fear and Overcoming Measures

25. Co- curricular activities

Department has been encouraging student to participate in various activities to bring social skills, intellectual skills, moral values, personality progress and character appeal in students.

Figure 2.2.1B-27: Sample certificate of student Participation

26. Flipped classroom

Provide opportunity for students to gain first exposure prior to class.

27. CGC Activities:

To provide guidance and assistance for the students to achieve their career goals, create awareness among students regarding available career options and help them in identifying their career objectives and also help students share knowledge about themselves by identifying skills, and interests.

Figure 2.2.1B-27: Sample copy of Career guidance Program

28. Personality Development Training

To make students know about self-awareness, life skills, soft skills, need for personal development etc.

Figure 2.2.1B-28: Training Sessions

29. Job Oriented Training Activities

Aim is to ensure that the students are well-equipped to get through the recruitment process of various core companies.

C. METHDOLOGIES TO SUPPORT WEAK STUDENTS AND ENCOURAGE BRIGHT STUDENTS

The department has a well-defined process of monitoring, guiding and assisting weak students. The students who secure below 50% marks in any subject in their I-Mid-Term examination are identified and considered as academically weak students. Students who secure above 80% marks in their I-Mid-term examination in all subjects are considered as academically bright students. Weak students are given counselling for the career guidance. Bright students are encouraged to take up new challenges, like participating in events like quiz, paper presentation, mini projects and technical fests, placement training.

Mentoring:

- The purpose of mentoring system is to monitor the student with regard to their academic and professional well-being.
- Every mentor regularly monitors the internal and external marks obtained by students and guide them for improvement in case of poor performance.
- Mentors also identify the core competencies of the students and guide them to make a better professional.
- Students are allowed to approach the mentor for both academic & personal problems.

Assistance for weak students:

- Mentors regularly follow their progress and counsel them to attend the classes regularly
- Motivated the weak students to attend remedial classes and help them to better understand the subject
- Students' attendance and performances are intimated to parents.
- Counselling is given to the students by subject handling faculty, Class teacher and HoD if necessary
- Discussion on important questions and question bank is arranged
- Remedial classes are conducted for weak students to improve

Support for average students:

- Encourage students to attempt MOOCs and other certification courses
- Assigning seminar presentations to improve their presentation skills etc.
- Motivate them to participate in workshops, seminars, paper presentations and other co-curricular activities

Encouraging bright students:

- To take up mini/major projects to enrich them technically skilled
- Motivate them to attend conferences, project expos and other co-curricular activities
- Encourage students to attend competitive examinations, like GATE, CAT etc.
- Involve bright students for peer tutoring the weak students.

The following flow chart is used to support weak students and encourage bright students

Figure 2.2.1C: Process to Support Weak & Encourage Bright Students

D.QUALITY OF CLASSROOM TEACHING

In the teaching-learning process, the lectures are delivered by the faculty member through a set of teaching aids and adopting various teaching methodologies.

Course Plan:

In the teaching learning process, the course plan plays a vital role. It is prepared by each faculty member handling their respective courses two weeks prior to the commencement of every semester. The course plan for each of the course is scrutinized by the PAQIC under the guidance of the Head of the Department.

All faculty members maintain the attendance diary and evaluation book for the course that they handle. The course plan contains the following details.

- Course plan includes course outcomes, teaching aids, teachingmethodologies, learning outcomes, and mapping of outcomes and learning resources that can be effectively utilized for the best delivery.
- Based on the course plan, the delivery is recorded accordingly in the attendance diary and evaluation book and reviewed by the Head of the Department.
- The teaching-learning process is evaluated based on the data recorded in the attendance diary and evaluation book.
    - Vision & Mission of the Institute
    - Vision & Mission of the Department
    - PEOs, POs & PSOs
    - Syllabus of the Course
    - Course Outcome vs. PO, PSO Mapping
    - Academic Calendar
    - Individual Time Table
    - Lesson Plan
    - Student Nominal Roll
    - Student Attendance Register
    - Course Material
    - Question Bank
    - Assignment Questions
    - Class Room Test Questions
    - CIE Exam Question Paper
    - Sample Photocopy of CIE Answer Scripts (Best, Moderate, Worst)
    - Course Evaluation Procedure (Internal & External)
    - CIE Exam Performance
    - List of Slow & Advanced Learners
    - Remedial Classes for Slow learners
    - Model/Previous Year Question Paper
    - Gap Analysis & Content Beyond Syllabus
    - Course End Survey
    - Course Attainment Sheet

Every faculty in the department strictly follows the plan and procedure to ensure the quality of teaching in the class room.

E. CONDUCT OF EXPERIMENTS (OBSERVATION IN LAB)

Student's carryout extra experiments beyond the specified list. All laboratories have adequate equipment/kits/components. Detailed instruction manuals are provided to the students. The observations are checked and verified by faculty and record books are maintained systematically. Two/Three faculty members and one Lab technician are assigned for each practical session.

Figure 2.2.1E: Laboratory Practices

F. CONTINUOUS ASSESSMENT IN LABORATORY.

Continuous assessment system is also implemented for assessment of laboratory work. Students are instructed to maintain individual Laboratory assessment records. These records are checked and verified by faculty member before the commencement of each experiment. Viva voce is conducted for the students in order to test their knowledge in the experiment. The internal assessment marks are allotted based on Rubrics and the average marks is considered for awarding final internal assessment work.

All faculty members maintain the attendance diary and evaluation book for the course that they handle. The course plan contains the following details.

- Institution Vision &Mission, Department Vision, Mission, PEOs.
- PO, PSO Statements.
- Lab Course Data Sheet : Course Information Sheet (Preface of Course, List of Experiments as per Curriculum, prerequisites, Course Objectives, Course Outcomes,
- Gaps identified and Content to Fill Gaps CO /PO, Additional Experiments, CO Vs PO and CO Vs PSO mapping with Justification(In Description), Teaching& Learning Resources, Course attainment target)
- List of Experiments
- Lab Course Class Work Time Table
- Batch Allotment
- Batch wise Experimentation Schedule as per curriculum
- Lab Criteria and Schedule for COs Assessment
- Experiment Wise Manual
- PPT for Demo Session
- Model Practical Examination questions
- Exam Schedule(Batch wise),Question Papers, Scheme, Copy of 3 Answer Scripts (Best, Avg, Worst) – Internal Exams
- Exam Schedule(Batch wise), Question Papers, Scheme of External Exam, Best ,Average, Worst Records and Observation books
- Attendance Register
- Course Evaluation Form (Direct & Indirect – Soft Copy)
- Record of Makeup Classes(Lab Sessions)
- Record of Remedial Classes(Lab Sessions)
- Course End Analysis and Suggestions

Allocation of internal laboratory marks for R18 regulation

S. No	Internal	Marks	External	Marks

1	Internal Lab Examination	10		
2	Record	05		
3	Day to day performance	20	External Lab Exam	60
4	Viva-Voce	05		
	Total Marks	40		

G. STUDENT'S FEEDBACK OF TEACHING LEARNING PROCESS AND ACTION TAKEN

To improve the teaching learning process the feedback from the student is obtained every semester for every course. Common feedback system is designed at the institutional level for all the years by considering all the dimensions of the teaching-learning process. The feedback is collected through online portal in middle of the every semester in all courses. Feedback is analysed by senior Professors along with the Head of the Department. After analysis, all comments written by the students in the feedback forms will be communicated to the respective faculty members along with their feedback level. Thereby teacher can know their strengths, weaknesses and improve their teaching skills accordingly.

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INTERNAL QUALITY ASSURANCE CELL(IQAC)

Department name

Feedback of students on faculty (Theory course faculty)

A.Y: 2021-22 **Year & Sem:** **Branch& Sec:**

IQAC conducts and records students' feedback on faculty to monitor the performance and interest in academic and other activities. So, rate the below questionnaires to the best of your knowledge.

Rate 0-4:

4 (Very Good)	3(Good)	2 (Average)	1(Poor)	0 (Very Poor)

Sl. No	Particulars	Course-1	Course- 2	Course- 3	Course-4	Course-5
	Course name					
1.	Syllabus of the subject					
2.	Subject knowledge of the faculty					
3.	Time sense of the faculty (class punctuality, syllabus coverage....etc)					
4.	Communication skills of the faculty (in terms of articulation and comprehensibility)					
5.	Accessibility of the faculty in and out of the class (includes availability of the teacher to motivate further study and discussion outside class)					
6.	Usage of ICT tools by faculty (Projectors, Online tools .... etc)					
7.	Class controlling by the faculty					
8.	Any other remarks					

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INTERNAL QUALITY ASSURANCE CELL(IQAC)

Department name

Feedback on faculty by students (Lab course faculty)

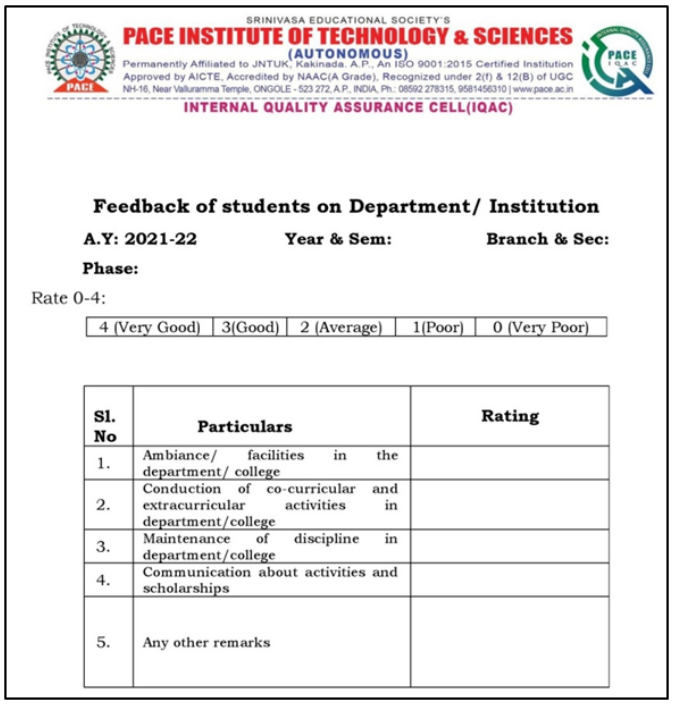
A.Y: 2021-22 **Year & Sem:** **Branch & Sec:**

Phase:

Rate 0-4:

4 (Very Good)	3(Good)	2 (Average)	1(Poor)	0 (Very Poor)

Sl. No	Particulars	Lab -1	Lab - 2	Lab - 3
	Lab name			
1.	Lab experiments/ programs relation to real world			
2.	Knowledge of the faculty on the lab experiments/ programs			
3.	Helping students in conducting experiments/ programs			
4.	Takes interests in conduct of labs with viva, virtual labs, group discussions etc....			
5.	Regular checking of lab observations and records			
6.	Any other remarks			



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INTERNAL QUALITY ASSURANCE CELL(IQAC)

Feedback of students on Department/ Institution

A.Y: 2021-22 **Year & Sem:** **Branch & Sec:**

Phase:

Rate 0-4:

4 (Very Good)	3(Good)	2 (Average)	1(Poor)	0 (Very Poor)

Sl. No	Particulars	Rating
1.	Ambiance/ facilities in the department/ college	
2.	Conduction of co-curricular and extracurricular activities in department/college	
3.	Maintenance of discipline in department/college	
4.	Communication about activities and scholarships	
5.	Any other remarks	

Figure 2.2.1G: Feedback formats used for the faculty on teaching & learning

Actions taken:

- Based on the feedback reports the faculty will be counselled by the HoD, who have secured low scores and negative comments. This motivates them to improve their skills and abilities.
- In some cases, the faculties having less feedback are recommended to attend FDPs on Pedagogical training and technical knowledge.
- If required training / orientation programs are conducted by professional experts to master the skills of the faculty members
- In some exceptional conditions / based on the instructions given by the HoD and request of the concerned faculty, senior Professors taught some concepts.
- The feedback is also considered as one of the component in self appraisal report of faculty.

2.2.2 Quality of end semester examination, internal semester question papers, assignments and evaluation (15) Institute Marks : 15.00

A. PROCESS FOR INTERNAL SEMESTER QUESTION PAPER SETTING AND EVALUATION AND EFFECTIVE PROCESS IMPLEMENTATION

Initiatives:

The examination process / Setting of quality question papers aims to measure the intellectual skills accomplished by the students as per Revised Bloom's Taxonomy levels

- Remembering
- Understanding
- Applying
- Analyzing
- Evaluating
- Creating

Assessing the performance of students over a well-distributed interval of time within the semester through continues evaluation.

Implementation Details:

Internal Examinations

- The internal examination question papers are prepared by the faculty involved in delivering the course for all sections
- Question papers are prepared in a manner to cover all the COs of that particular course and Revised Bloom's Taxonomy will also be followed in question paper setting.
- The college conducts Five assignment & Five Class room tests and two sessional tests in a semester for all courses: one at the middle and the other at the end of semester for theory courses as per the R-18 regulation.
- After completion of tests, the evaluated answer scripts are distributed to the students and an opportunity is given to the students to verify and the changes are rectified before the marks statement is finalized.

Semester End Examinations

- For each course of the program, semester end examination is conducted.
- The Controller/Coordinator of Examinations identifies the panel of question paper setters from premier institutes like NITs, State Universities, and Autonomous Colleges.
- The question papers are also scrutinized by the subject expert to ensure all questions were set from course syllabus and to identify insufficient data or typographical mistakes, if any in the question paper.

Evaluation:

As per the R-18 regulations, each theory course is evaluated for 100 marks, distributed into 40 marks for internal assessment and 60 marks for semester end examination.

Internal Examinations

- Every theory course consists of 5 units and for each course the internal assessment is done for 40 marks.
- The internal evaluation is based on two cycle tests conducted in each semester. The 40 internal marks are awarded as sum of 80**%** of the best cycle and **20%** of the least cycle examinations, where each cycle of examination contains the distribution as shown in Table 2.2.2a.

Table 2.2.2a: Distribution of internal Marks for theory course

S.No	Type of examination	Max Marks
1	Descriptive test	20
2	Objective test	10
3	Assignment test and CRT	10
Total Marks		**40**

- For the courses like Engineering Graphics, Design and Drawing courses the CIE shall be 40 marks (20 marks for day-to-day work, 20 marks for two mid-term examinations)
- Each descriptive test question paper contains 4 questions one from each unit covering syllabus from 2.5 units (first 2.5 units for first cycle and remaining 2.5 units for second cycle). The student has to answer all the 4 questions (4X5M=2**0M**). The 20 marks are scaled down to 20 marks. The descriptive examination is conducted for 2 hour duration.
- Online Objective type test question paper contains 20 objective questions for 10 marks (20 X 1/2 M = 10M) covering the syllabus from 2.5 units. The Objective Examination is conducted for 20 minutes duration along with descriptive test.
- The evaluation for laboratory class work consists of,

Parameter	Marks
Day-to-Day work	20
Internal test	10
Record	05
Viva-Voce	05
Total	**40**

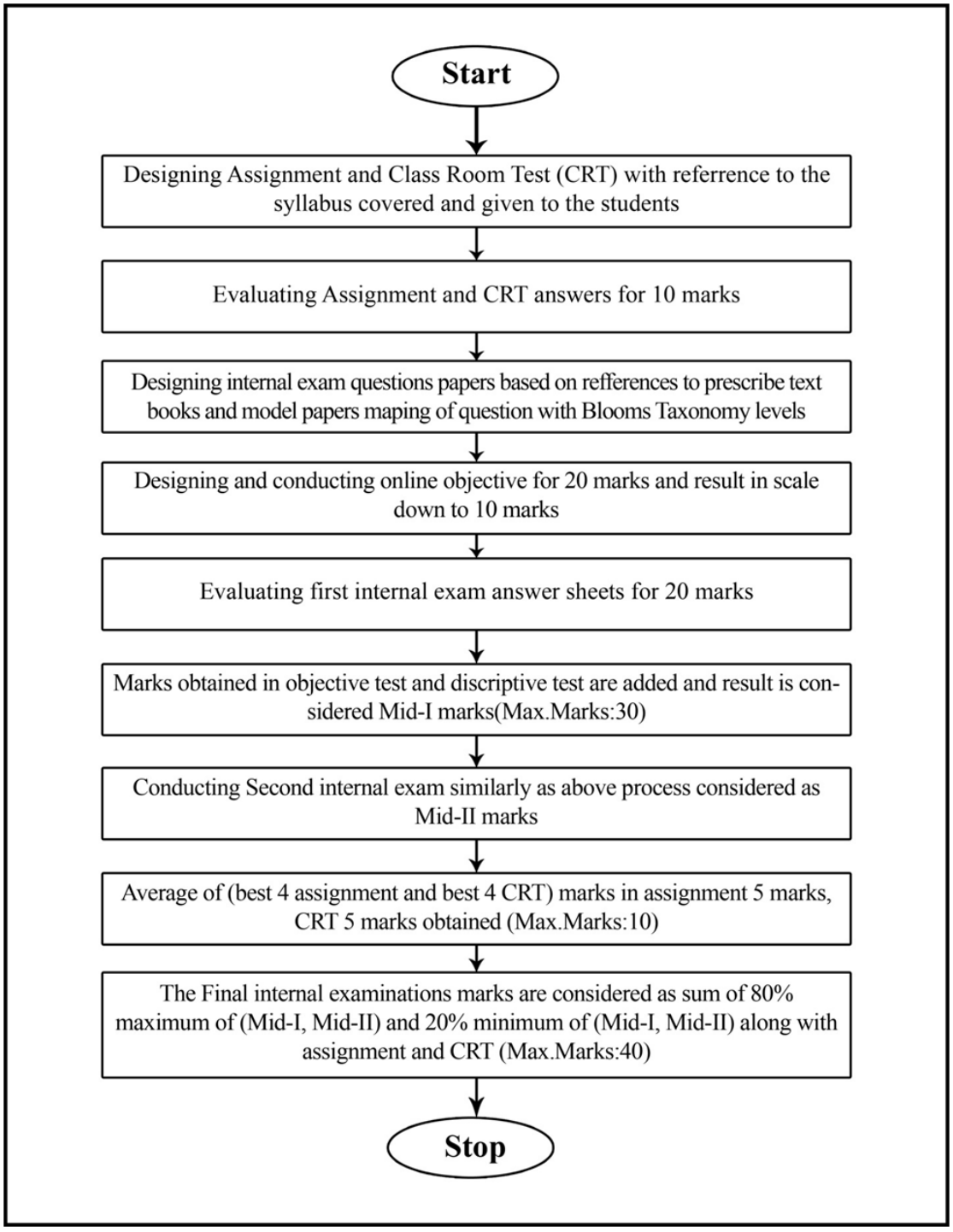


Figure 2.2.2a: Process of internal evaluation systems

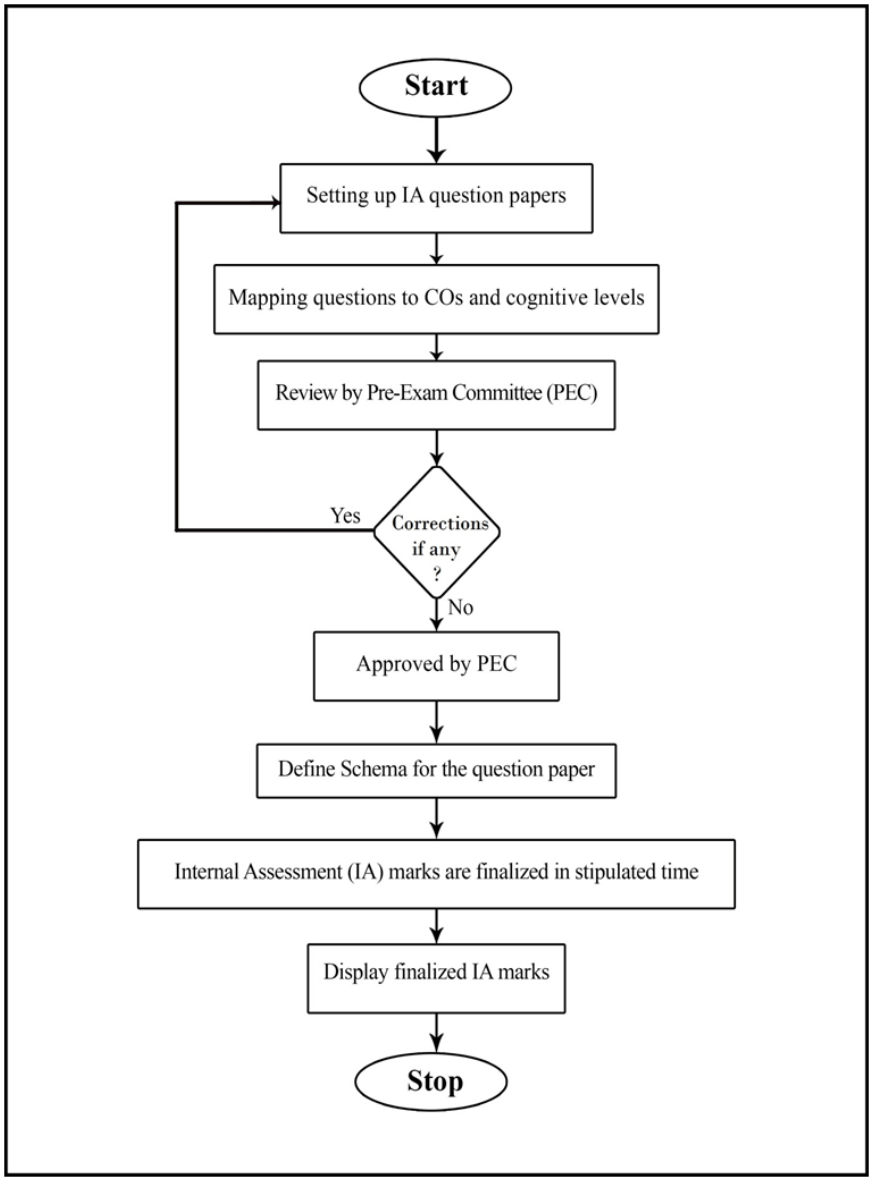
Semester End Examinations

- The valuation of answer booklets of the semester end examination is done by conducting the spot valuation by inviting the valuators from nearby autonomous institutions
- For each course, a detailed key (solutions cum scheme of valuation) is prepared by one of the internal faculties, who has taught the subject in the current semester
- In order to get uniformity in the valuation process, the normalization system is adopted
- According to this system:
- All the valuators sit together to discuss and finalize a common scheme of valuation at the beginning of the assessment
- The Chief examiner picks one answer script, randomly for every 10 answer scripts and valuate the script
- The Chief examiner compares valuated marks with previous allotted marks and finalize the marks based on the probable deviation.
- If marks deviation exceeds then the Chief examiner advices the valuator to re-valuate the scripts.
- Revaluation of answer scripts is available, based on the students request.

B. PROCESS TO ENSURE QUESTIONS FROM OUTCOMES/LEARNING LEVELS PERSPECTIVE

- For all UG courses, internal question papers are scrutinized by the Pre Exam Committee (PEC). The committee will verify whether the question papers which are prepared by the concerned faculty members according to the blooms taxonomy (BT) and course outcomes (COs). The committee will also give their suggestions and directions to ensure quality of question papers and evaluation scheme. The ESC approves the question papers in respect of Continuous Internal Evaluation tests. Students who answered a particular question is taken into consideration and average of all students marks is taken for CO-PO attainment.
- The Pre Exam Committee (PEC) is formed with HOD and Senior faculty members of the department.
- The Pre Exam Committee (PEC) ensures the quality of internal question papers, based on the course outcomes with proper blooms taxonomy levels.

Figure 2.2.2b: Flow chart of process for internal examination question paper setting and evaluation



C. Evidence of COs coverage in mid-term tests (5)

- The faculty members of concerned courses are instructed to give question papers with proper mapping of COs and Blooms taxonomy levels.
- The Sample Mid Exam Question paper is given below.

PACE INSTITUTE OF TECHNOLOGY & SCIENCES::ONGOLE
III B.Tech I Semester – Descriptive Examination-II
TRANSPORTATION ENGINEERING-I
(Only for CE Branch)

Subject Code:P18CET12 Academic Year: 2022-23 R18 Regulation
Time: 2 hours Date of Exam: 14/12/2022 Max Marks: 20

*Answer **all** the questions. All Questions carry equal marks* **(4X5=20M)**

Q.No		Questions	Marks	BL	CO
1		Demonstrate briefly about advantages and disadvantages of traffic signals?	5 M	L2	3
2		Determine radius of relative stiffness for 15 cm thick cement concrete slab with modulus of elasticity is 2.1x 10^5 kg/cm^2, Poisson's ratio is 0.15 and Modulus of sub grade reaction (a) 3.0 kg/cm^3 and (b) 7.5 kg/cm^3	5 M	L3	4
3		Explain briefly about Relative stiffness and equivalent radius of resisting section as per Westergaurd's concept	5 M	L2	4
4		Illustrate construction procedure of Earth roads?	5 M	L1	5

Fig 2.2.2.d: Mid Examination Question Paper

D. Quality of conduct Assignment and its relevance to COs(5)

- To conduct Assignment, the faculty members of concerned courses will give four (4) questions from each unit. A student shall submit five assignments with Viva Voce to the concerned faculty from all five units. Each question in the assignment will be mapped with CO and blooms taxonomy level.
- The Assignment shall be evaluated by the concerned faculty. The average of best four assignment marks shall be considered for awarding 5 marks.
- The feedback is given to the students after evaluation and answer scripts were given to the students for the verification. It impacts the students to improve their performance in further examinations.

- The Sample Assignment Questions are given below for one assignment.

DEPARTMENT OF CIVIL ENGINEERING

Assignment Questions

AY : 2022 – 23

Dt: 03/02/2023

Name of the subject : TE-II **Branch: CIVIL** **Year / sem : III / II**

Q.No	Questions	Marks	BL	CO
1	Explain about functions and requirements of Rails	1M	L2	1
2	Explain briefly about advantages and disadvantages of Wooden sleepers	1M	L2	1
3	Explain briefly about advantages and disadvantages of Concrete sleepers	1M	L2	1
4	What is a Permanent way? Explain briefly about requirements of an ideal Permanent way.	1M	L1,L2	1

Fig 2.2.2.e: Sample copy of Assignment Paper

Impact Analysis

- The Examination Scrutinizing Committee of the department analyzes the quality of question papers.
- The above process ensures that question papers are framed by considering all COs into account.
- Question papers are framed as per Bloom's taxonomy levels.
- The desired COs, POs and PSOs of each course are attained through adopting the above stated quality initiatives in question paper settings and assignments.

2.2.3 Quality of student projects (20) Institute Marks : 20.00

The department follows standard procedures to ensure that students carry out a quality project and the major project work is carried out by the students in VIII Semester and Mini project in VI Semester inR18regulations. Students are encouraged to do project work on real world examples.

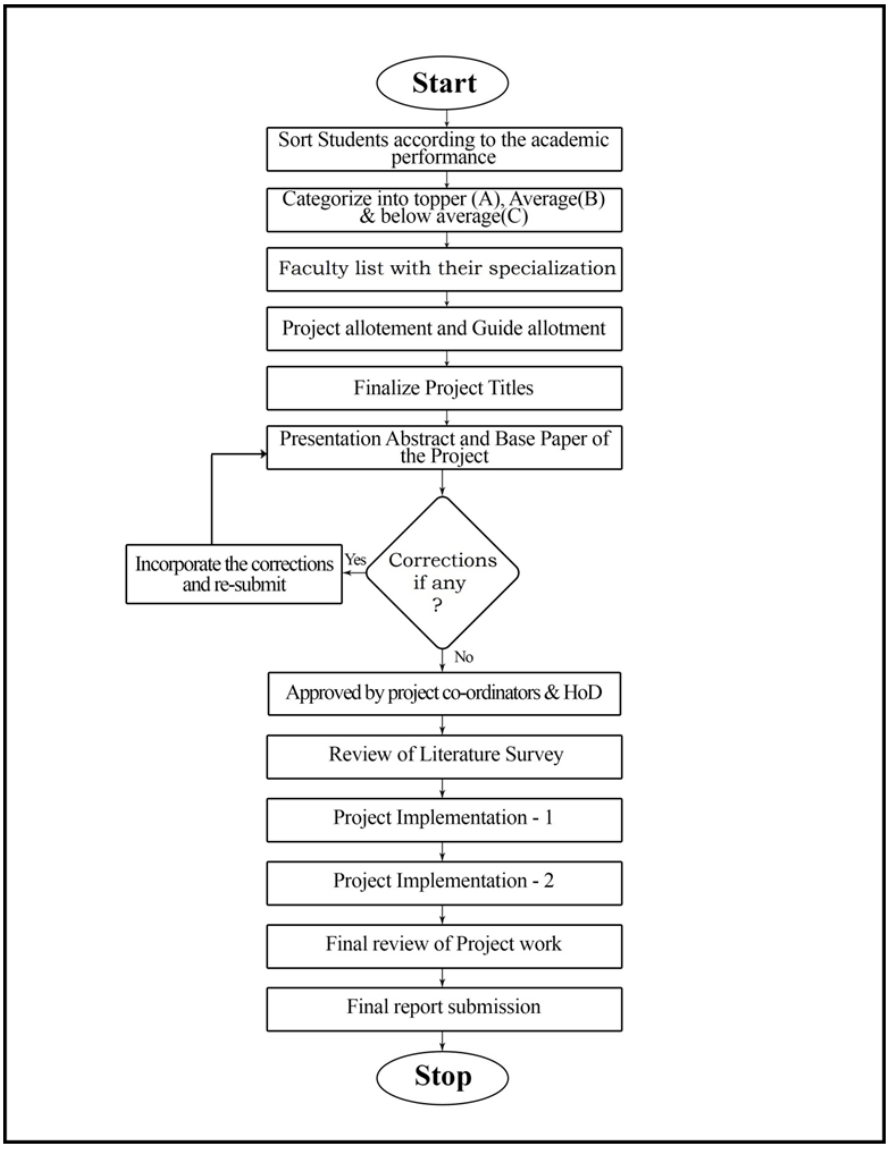
A. IDENTIFICATION OF PROJECTS AND ALLOCATION METHODOLOGY TO FACULTY MEMBERS

Project Group formation:

- The students are categorised into batches based on their performance in the previous examinations
- Each team or project batch consists of 3-5 students.
- Project batches are formed such that each batch has students with varying academic merit

Identification of the Guide:

- Each batch selects their guide according to their area of interest and the research and competency of the faculty members.
- Project identification is done based on student's innovative ideas in consultation with supervisor
- The lists of previous year projects are available to the students in the department library and central library to ensure no repetition of project work in selecting the present project work
- The students take guidance from their guides while finalizing the problem



The process used for project group formation, Guide allocation and Project Completion

B.TYPES AND RELEVANCE OF THE PROJECTS AND THEIR CONTRIBUTION TOWARDS ATTAINMENT OF POs AND PSOs

List of various categories of student projects and their relevance with POs and PSOs

S.no	Subject	Mapping POs	Mapping PSOs
1	Concrete Technology	PO1, PO2, PO3,PO6,PO10	PSO1, PSO2
2	Transportation Enineering-1	PO1, PO2, PO3,PO4, PO6,PO10	PSO1, PSO2
3	Geotechnical Engineering-1	PO1, PO2, PO3,PO4, PO6,PO10	PSO1, PSO2
4	Environmental Engineering	PO1, PO2, PO3,PO4, PO6, PO7, PO8, PO10	PSO1, PSO2
5	Strength of materials - I	PO1, PO2, PO3,PO4, PO10	PSO1, PSO2
6	Surveying	PO1, PO2, PO3, PO10	PSO1, PSO2
7	Construction Technology and Management	PO1, PO2, PO3,PO4, PO6, PO9, PO10	PSO1, PSO2, PSO3

C. PROJECT RELATED TO INDUSTRY

The students are allowed to do the project in the industry, based on the opportunity got from industries like Global Ready Mix plant, Ongole Municipal Corporation, PR Division, AP sachivalayam, AP samagrashiksha Abhiyan,NCC, KDM surveyors.

D. PROCESS FOR MONITORING AND EVALUATION

According to R-18 Regulations:

- Major project is evaluated for total of 200 marks. Out of 200 marks for the project work, 80 marks are for Internal Evaluation consisting of as per Regulation, the assessment of the project report and 120 marks for the external evaluation.
- Mini Project is evaluated for total of 100 marks. Out of 100 marks, 30 for Mini project report, 25 marks for innovation, 25 marks for presentation and 20 marks for Viva voce

Internal Evaluation

- The department forms Project Review Committee (PRC) every year and it consists of Head of the department as Chair, senior faculty members and project coordinator as members.
- A project coordinator is appointed by the Head of the Department who is responsible for planning, scheduling and execution of all activities related to the project.
- The project coordinator instructs the students to select the project domain and submit the synopsis to concern guide adhering to the timelines decided by the HOD.
- Department encourages the students to carry out in-house projects and required support is provided through continuous hands-on trainings by internal as well as external experts.
- The students are asked to meet their respective guides regularly and asked to explain the progress in their project.
- Project reviews are conducted regularly by the PRC of the department in the presence of respective guide to check the status of the projects and time to time assessment is done for all the projects.
- Project teams have to submit the project report in the prescribed format given by the Department.

The phase-wise review of projects is done as follows:

The performance of a student in a project survey shall be evaluated based on the following parameters:

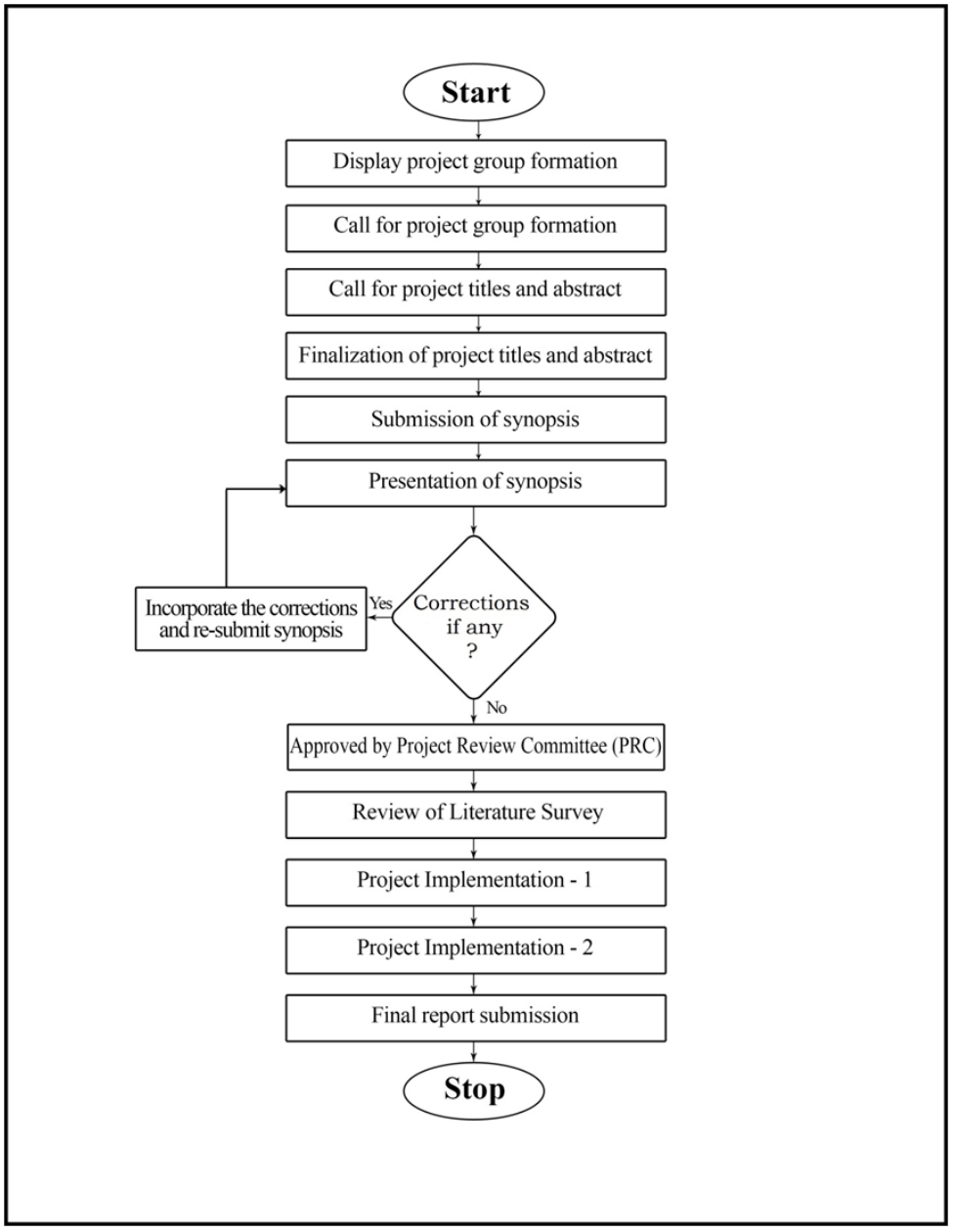
Parameter	Marks
Literature Review	15
Presentation	15
Viva Voce	10
Total	40

Two Project Implementation Reviews are evaluated based on the following parameters:

Parameter	**Marks**
Contribution	10
Innovation	10
Presentation	10
Viva Voce	10
Total	**40**

External evaluation

- An end semester project, viva voce is conducted with the panel of internal and external examiners. The external examiner from other institution is appointed by the Chief Controller of Examinations.



Process for defining the student projects approval and evaluation

E. PROCESS TO ASSESS INDIVIDUAL AND TEAM PERFORMANCE

Project reviews are conducted by PRC along with respective guide as per the schedule and presentation should be given by all team members according to their division of project work. The performance of the individual and team of the project is assessed at the time of presentation in reviews by considering the following criteria.

The performance of the individual is assessed by considering the following criteria:

- Communication
- Confidence in the project work
- Attainment of individual scope of work
- Overall contribution of the project accomplishment

The performance of the project team is assessed by considering the following criteria:

- Knowledge of the members contribution towards the project
- Coordination in consolidating the work
- Time management

F. QUALITY OF COMPLETED PROJECTS/ WORKING PROTOTYPES

Project Review Committee (PRC) ensures the quality of the student projects based on the following criteria.

- Review of literature and related studies
- Innovativeness and creativity
- Implementation strategies
- Presentation skills
- Impact on society

1. The students will demonstrate the working prototype models during the internal and external project reviews
2. Outcomes of the projects are encouraged to be published as a paper in conference / journals.
3. Students are encouraged to publish their project work in reputed journals/conferences.

Best projects of the students

2021-2022						
S. No	**Title of the project**	**Students**	**Area of the Project**	**Project Guide**	**PO**	**PSO**

1	RECYCLED RUBBER TYRE AS PARTIAL REPLACEMENT OF COARSE AGGREGATE IN SELF-COMPACTING CONCRETE	PESALA MAHESH MADUGULA GOPI KRISHNA NAMBURI KOTAIAH KOMMU RAJKUMAR	Concrete technology	Dr.THIRUMALAI RAJU.R	PO1, P02,PO3, PO4,PO5,PO6, PO7,PO8,PO9,P O10,PO11, PO12	PSO2
2	Mechanical Behavior on Partial Replacement of Coarse Aggregate with Seashell in Concrete	PALETI KAMAL VAYALA HANUMANTHA RAO DARLA SAIKOUSHIK PANDULA MAHESH BABU MEDAM MAHESWARA REDDY	Concrete technology	Mr.E.MANI	PO1, P02,PO3, PO4,PO5,PO6, PO7,PO8,PO9,P O10,PO11, PO12	PSO2
3	Study On Strenght Of Pervious Concrete By Partial Repalacement Of Cement With Mineral Admixtures	MEKALA NIVEDITHA JETTIBOINA SIVAIAH JAJJARA RAVI RAJA KASI YASWANTH NUTHALAPATI YASWANTH	Concrete technology	Dr.G.MADHAVA RAO	PO1, P02,PO3, PO4,PO5,PO6, PO7,PO8,PO9,P O10,PO11, PO12	PSO2

2020-2021

S. No	Title of the project	Students	Area of the Project	Project Guide	PO	PSO
1	4E - Analysis with BIM Application	SHAIK HEENA SHAIK GOPIBASHA THOLUCHURI KARTHIK PATTIPATI MANIKANTA KOMATIGUNTA GURU SAI PRANEETH	BIM software	Dr.R. Balamuragan	PO1, P02,PO3, PO4,PO5,PO6, PO7,PO8,PO9,P O10,PO11, PO12	PSO2
2	The Safety Rolling Barriers	POKALA VISWANATH REDDY GANUGAPANTA VINOD KUMAR MODE VANAJA PUTTA JHANSI POKALA VISWANATH REDDY	Transportation eng	Mr.K.EDUKONDALLU	PO1, P02,PO3, PO4,PO5,PO6, PO7,PO8,PO9,P O10,PO11, PO12	PSO2

2019-2020

S. No	Title of the project	Students	Area of the Project	Project Guide	PO	PSO
1	DESIGN AND ANALYSIS OF MULTI-STOREY EDUCATIONAL BUILDING G+3 BY MANUAL AND USING STAAD PRO	UMMADISETTY KALYAN BABU YANAMADNI TRIVENI DATLA PAVANI SANDHU SATISH TELLA PAVAN KUMAR	STAAD pro D	Mr.Chidella Dinesh Chandra	PO1, P02,PO3, PO4,PO5,PO6, PO7,PO8,PO9,P O10,PO11, PO12	PSO2
2	“DESALINATION OF SEA WATER BY REMOVAL OF IRON AND MANGANESE	SYED SHAHUL MIRIYALA SHANMUK SRINIVAS SARIDE MANOJ KUMAR NAIDU LEELA KRISHNAVAMSI MANNAM BHANU PRASAD	Environmental eng	Mr.S.Anka Rao	PO1, P02,PO3, PO4,PO5,PO6, PO7,PO8,PO9,P O10,PO11, PO12	PSO2

. G.EVIDENCE OF PAPERS PUBLISHED /AWARD RECEIVED BY PROJECT

- Students are encouraged to publish paper of their innovative project work in Conferences/journals
- Students are encouraged to attend the National or International Conferences to gain more ideas of their projects.

S.No	Name of the student	Title of Paper	Name of the Journal	Year
1	Shaik Shahid	Study of Micro structural behaviour (MSB) in geopolymer concrete (GPC) and material properties by using waste materials	Materials Today: Proceedings	**2022**
2	B. Balakrishna	Elevated Water Tank Design Comparison in Different Seismic Zones	International Journal of Innovative Research in Computer Science & Technology (IJIRCST)	**2022**
3	N. Anand Babu	Experimental Research on Foam Concrete with Partial Replacement of Fine Aggregates by Blast Furnace Slag, Fly Ash, and Glass Powder	International Journal of Innovative Research in Computer Science & Technology (IJIRCST)	**2022**
4	G. Vamsi Krishna	The Impact of Super Absorbent Polymers on Concrete Strength	International Journal of Innovative Research in Computer Science & Technology (IJIRCST)	**2022**
5	M. Vijay	An Experimental Investigation for Comparison of Porous Concrete and Conventional Concrete in Strength	International Journal of Innovative Research in Computer Science & Technology (IJIRCST)	**2022**

6	A. Venkata Gopi, K. Nagarjuna, B. Balaji, G. Pedababu, N. Suresh	Partial Replacement of Coarse Aggregate with Coconut Shell and Adding of Asbestoes Fiber	International Journal of All Research Education and Scientific Methods (IJARESM)	**2022**
7	Sai Koushik D, Hanumantharao , Maheswar Reddy M , Mahesh Babu P	Mechanical Behaviour on Partial Replacement of Coarse Aggregate with Seashell in Concrete	International Journal of All Research Education and Scientific Methods (IJARESM)	**2022**
8	A. Prudhvi Krishna	Influence of Granite Cutting Waste on Mechanical Properties of Recycled Aggregate Concrete	International Journal of All Research Education and Scientific Methods (IJARESM)	**2022**
9	T. Raghu Vamsi	Explorations into the Expanded Clay Aggregate Concrete Bricks Strength Properties	International Journal of Innovative Research in Engineering & Management	**2022**
10	K. Raj kumari	Evaluation of Concrete with Glass and Coconut Shell in Place of Coarse Aggregate and Partially Replaced Cement	International Journal of Innovative Research in Computer Science & Technology	**2022**

S.No	Authors	Title	Conference title & ISBN
1	AnushaNataraj,Sk.Iman,U.Akhil,Sk.Sulthan,P.Badhra & V.Sudeer	Utilisation Of Sugar Cane Bagasse Ash In Concrete As Partial Replacement Of Cement	ICITSDE-2022 Conference proceedings with ISBN NO:978-81-959860-0-3
2	Sk.Sandani Basha,V.Mouli, K.Sri Ram T.Suneel, K.Sudhee	Experimental Investigation Of Partial Replacement Of Cement By Lime Powder In Concrete	ICITSDE-2022 Conference proceedings with ISBN NO:978-81-959860-0-3
3	T.Raghu Vamsi , Sk. Saleem , T. Mallikharjuna Reddy , N. Yogireddy	Study On Concrete Pavement By Partial Usage Of Fine Aggregates	ICITSDE-2022 Conference proceedings with ISBN NO:978-81-959860-0-3
4	U. Divya , Sk.Jaleel Ahmed , A.Sai Vamsi , D.Praveen Babu	A Study On Influence Of Various Agro And Industrial Waste In Cement	ICITSDE-2022 Conference proceedings with ISBN NO:978-81-959860-0-3
5	T. Upendra , V.Gunasekar ,Sk.Rasheed , B.Siva Kumar Reddy , P.Raghunadh	A Experimental Study On Carbon Fiber Based Concrete By Partial Replacement Of Cement With Egg Shell Powder	ICITSDE-2022 Conference proceedings with ISBN NO:978-81-959860-0-3
6	M.Niveditha , J. Sivaiah , J. Raviraja , K. Yaswanth , N. Yaswanth	Study On Strength Of Pervious Concrete By Partial Replacement Of Cement With Mineral Admixtures	ICITSDE-2022 Conference proceedings with ISBN NO:978-81-959860-0-3
7	B.Siva Jyothi, E Ajay, B.Naresh, J Raju, M.Mahesh	Properties Of Concrete By Partial Replacement Of Cement With	ICITSDE-2022 Conference proceedings with ISBN NO:978-81-959860-0-3
8	B.Anvesh , K. Tara Sasank , M.Madhu , Y. Balaram Krishna , M.Praveen	Study The Analysis Of Overburned Brick Pieces As A Coarse Aggregate In Concrete	ICITSDE-2022 Conference proceedings with ISBN NO:978-81-959860-0-3
9	B. Lakshman Rao , K.Pravhudeva , Sk. Khaja , M. Rahul Sai ,Ch.Narendra	Fresh And Hardened Properties Of Geo Polymer Concrete Pavers By Using Sea Sand And Sea Water	ICITSDE-2022 Conference proceedings with ISBN NO:978-81-959860-0-3
10	Paleti Kamal , D. Sai Koushik ,V.Hanumanth Rao ,M. Maheswar,P.Mahesh Babu	Mechanical Behaviour On Partial Replacement On Coarse Aggregate With Seashells In Concrete	ICITSDE-2022 Conference proceedings with ISBN NO:978-81-959860-0-3
11	B. Yaswanth Kumar, B. Yaswanth, B. Venkatesh, K. Naresh , Ch. Venkata Rao	Highway Construction On Weak Soil Using Eps Geofoam And Geo Membranes	ICITSDE-2022 Conference proceedings with ISBN NO:978-81-959860-0-3
12	P.Balaji², Ch.Praveent, Ch.Anil Babu⁴, D.Karthik7,J.Vinay	Preparation Of Light Weight Aggregate Concrete By The Partial Replacement Of Fine Aggregate With Plastic	ICITSDE-2022 Conference proceedings with ISBN NO:978-81-959860-0-3
13	M.Siva, D.Rajitha, N.Kumarswamy, L.K.Vamsi, P.Vinay	Acid Treatment Technique For Determining The Properties Of Recycling Aggregate	ICITSDE-2022 Conference proceedings with ISBN NO:978-81-959860-0-3
14	B.Naveen , B. Bramha Sai , P.Anil , Y. Bhargav , J.Vinod Kumar	Innovative Use Of Marble Powder Waste As Partial Replacement Of Fine Aggregates	ICITSDE-2022 Conference proceedings with ISBN NO:978-81-959860-0-3
15	K. Anusha , P. Shabana , B.Narendra , Sk. Meera Ahammad Basha , P.Anil	Effect Of Super Absorbent Polymer On Concrete	ICITSDE-2022 Conference proceedings with ISBN NO:978-81-959860-0-3
16	K. Meenakshi , G. Narayana , G. Raju , Ch.Honey², A. Veera Sankar , P. Anil	Case Study On Neighborhoods Features Play An Important Role In Individual Low-Cost Housing In India	ICITSDE-2022 Conference proceedings with ISBN NO:978-81-959860-0-3
17	Sk.Arshiya , Sd.Shahid , Ch. Charan Teja , D. Ravi Varma , Ch.Pawan Kalyan	Preparation Of Eco-Friendly Bricks With Rubber And Plastic	ICITSDE-2022 Conference proceedings with ISBN NO:978-81-959860-0-3
18	Y Ramoji Rao ,M Mahendra Babu , K Pujitha , P Ramakrishna , Y Bhanu	Soil Erosion Control In Slopes By Using Coconut Fiber Mats And Wood Wool Mats	ICITSDE-2022 Conference proceedings with ISBN NO:978-81-959860-0-3
19	M.Phanichaitanya, G.John Devaraj Reddy, G.Rohini Kumar, Sk.Althaf, N.Liyaz	A Study On Partial Replacement Of Bitumen With Waste Plastic	ICITSDE-2022 Conference proceedings with ISBN NO:978-81-959860-0-3
20	Harika, Kusuma, Anusha, Nandhini, Manisha	Design Of Android Application For Curing And Irrigation	ICITSDE-2022 Conference proceedings with ISBN NO:978-81-959860-0-3
21	M.Rakesh , N. Gurukrishna , M. Vineetha , K. Jaswanthvarma , K. Sukumar	Recycled Rubber Tyre As Coarse Aggregate Replacement In Self-Compacting Concrete	ICITSDE-2022 Conference proceedings with ISBN NO:978-81-959860-0-3
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23	N.Harish , O.Srikanth , O. Sai Suneel , P.Siddaiah , P.Ganesh , P.Tarun	Concrete Reinforced With Steel Fibers Shear Strength, Compressive Strength, And Workability Characteristics	ICITSDE-2022 Conference proceedings with ISBN NO:978-81-959860-0-3
24	V.Naveen, Y.Deepthi, T.Vamsi Krishna, N.Ramudu, G.Venkateswara Reddy	Sustainable Management Of Waste Coconut Shell Aggregates In Cement Concrete Mixture	ICITSDE-2022 Conference proceedings with ISBN NO:978-81-959860-0-3
25	K.V.Swathi, I.Charan, N.Siva Sankar, M.Mahesh, P.Usha Kiran	Mechanical Properties Of Nano - Cement Mortor: Compression And Tension	ICITSDE-2022 Conference proceedings with ISBN NO:978-81-959860-0-3
26	Konanki Satyaveni, Pappu Srilatha, Pothu Pavan Narasimha, Thanneeru Venkatesh Babu, U.Harish	Fiber-Reinforced Polymer Composites In Strengthening Reinforced Concrete Structure	ICITSDE-2022 Conference proceedings with ISBN NO:978-81-959860-0-3
27	R.Madhuri, S.Vamsi Krishna , Y. Venkatesh, A. Srinuvas Rao,K . Siva Reddy	Designing Of Floating Tunels	ICITSDE-2022 Conference proceedings with ISBN NO:978-81-959860-0-3
28	T.V.Dheeraj Sai,T.Ramya, T.Mahesh, M.Divya B.Vasu Babu	Estimating The Strength Of Recycled Aggregate By Treating With Hcl	ICITSDE-2022 Conference proceedings with ISBN NO:978-81-959860-0-3
29	B.Hemalatha , B.Nandini , Ch .Hemalatha , K.Anjana , M.Triveni	Advanced Earthquake Resistant Techniques	ICITSDE-2022 Conference proceedings with ISBN NO:978-81-959860-0-3
30	K Uday Kiran , G Abhishek , Sk Chand Allish , K Nagababu , Sk Yaseen	A Study On The Strenth Parameters Of Self Curing Concrete	ICITSDE-2022 Conference proceedings with ISBN NO:978-81-959860-0-3
31	K.VasuBabu,K.Ashokkumar,K.Prasannakumar,K.Veer areddy,L.Anilk umar	Damage Evaluation In Concrete Materials By Acoustic Emission	ICITSDE-2022 Conference proceedings with ISBN NO:978-81-959860-0-3
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36	A. Venkata Gopi , K. Nagarjuna , B. Balaji , G. Pedababu , N. Suresh	Partial Replacement Of Coarse Aggregate With Coconut Shell And Adding Of Asbestos Fiber	ICITSDE-2022 Conference proceedings with ISBN NO:978-81-959860-0-3
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38	M. Pavan Kumar, P. Bharat Kumar, S. Bala Krishna, K. Srinu, K. Hari Nath	Highway Construction On Weak Soil Using Eps Geofoam And Geo Membranes	ICITSDE-2022 Conference proceedings with ISBN NO:978-81-959860-0-3

H. IMPACT ANALYSIS

- Knowledge on various aspects of project management was developed.
- Increased confidence level of students.
- Students learn how to work in a group/team.
- New innovative ideas from students which may lead to new applications.
- Technical skills and communication skills of the students are improved.
- Implementation and deployment of the project for social benefits.
- Students will be able to learn importance of project documentation and presentation.
- Documentation and presentation skills of the students are improved.

2.2.4 Initiatives related to industry interaction (10) Institute Marks : 10.00

The Department of Civil Engineering has taken various initiatives to strengthen the Industry – Institute Interaction. This enhances the students' exposure to recent trends in their profession through curriculum as well as visits/internships. Some of the measures adopted to enhance the industry interaction are

Ø Industry Supported Laboratories.

Ø Industry Involvement in the Program Design and Curriculum Development.

Ø Guest Lecture and Seminars by Industrial Experts

Ø Internship in Construction Industry.

Industry interactions help the students to acquire the practical knowledge. So in order to improve the technical abilities, various industrial activities are carried out. To promote Industry-Institute Interaction, the following initiatives are being undertaken by the department.

Initiatives

- An expert from Industry is nominated as member in the Board of Studies who takes an active role in the Curriculum design.
- Campus Recruitment Training (CRT) programs organized by Training & Placement (T & P) cell
- Conduct of Technical Workshops jointly with Industries.
- Value added courses in collaboration with Industries.
- Invited lectures by Industrial Experts.
- Industry Sponsored Laboratories
- Industrial tours

Implementation details

Memorandum of Understanding with Industries:

The institution has MOUs with many industries to strengthen the relationships for mutual benefit by way of exchanging the expertise. MOUs are done with emphasize on Internship, Project Work for Students, Industrial Visits, Students specific Training and Faculty Development Programs.

Table 2.2.4.a. Details of MOUs signed with industries

Sl.No	Name Of the Company	MOU Date	Period
1	National Highway Authority of India	22nd Sep 2020	5 years
2	Global Readymix	12th Dec 2018	5 years
3	Pavan Survey and Engineering	7th Jan 2019	5 years
4	Earthonamic Engineering	29th NOV 2018	5 Years
5	Irrigation & water Resource Department	5th July 2022	5 years
6	AP.Samagra Siksha	27th June 2022	5 years
7	Panchayathi Raj Department	21St June 2022	5 years

A. Industry supported laboratories

The industry supported laboratories develops best learning process using a comprehensive understanding of industry's best practices for both students and faculties. This initiative imbibes professionalism, behavior aspects and awareness about industry expectations and also aligns aspirations of the students with the needs of the industries. With the aid of funding from the institute, facilities have been provided. A significant amount of research requires basic data, which is assessed using basic equipment and the necessary research facilities are provided in conventional laboratories for optimal exploitation of these lab equipments are prioritized. To acquire advanced research skills and meet industrial needs MOU's and Collaborations have been made with the Department. With this as per the students/ faculty requirements for research work, these industrial labs have been utilized.

Table 2.2.4.b. List of the Industries supports laboratories

S.No	Name of the Industry
1	Global ready mix concrete
2	Pavan survey & engineering
3	Masters consultancy
4	Ultra tech

B. Industry involvement in the program design and curriculum

The Industry involvement in the Program design and Curriculum is required to bridge the gap between industry and institute. By partial delivery of courses at the institution is also required to prepare the students for employment. The department is appointing industrial experts as members of Board of Studies to involve in designing the program. The list of invited industrial experts who were involved in design of curriculum and syllabi of the programmer is listed below.

The Following table, Shows the Industry Involvement in the Program Design and Curriculum

Table 2.2.4.c. Industry Involvement in the Program Design and Curriculum

Sl.no	Name of the expert	Designation	Company name	Contribution
1	Mr. D.A. Rampal	Senior manager	L&T, Chennai	BOS member
2	Mr. J. Siva Brahmam	Managing Director	Global Ready mix concrete	Advance concrete technology
3	Mr. D.Srinivasa Reddy	Senior Engineer	Pavan survey & engineering	Geo mapping survey, drone survey
4	Mr. R. Sarath Babu	CEO	Akshaya innotech	Waste water treatment

C. Industry involvement in partial delivery of any regular courses for students

Guest lectures by industrial experts are one of the best practices which help the student to know about recent trends in industries related to their courses. The effectiveness of course delivery by the industry expert is monitored for improvement in student's knowledge on different latest technologies.

Table 2.2.4.c. List of Interactions

Sl.no	Event type	Tittle of the event	Name of the resource person / industry	No of participant	Duration	Date
A.Y 2021-22						
1	Guest lecture	Design and construction of permeable pavement	K.Dheeraj	120	2 hours	22nd Sep 2022
2	Guest lecture	Smart land scaping and symbiotic formatic	Ganesh visvanathan	131	2 hours	17th Feb 2022
3	Guest lecture	Usage of plastic waste (or) e-waste in construction of pavement	Mr. Abijeet kumar	105	2 hours	22nd Oct 2021

4	Guest lecture	Seismic analysis and design of multi stored residential building	Mrs.Ravi kumar	124	2 hours	15th April 2022
5	Guest lecture	Admixture of ready mix concrete	Mr. P.Uday	80	2 hours	23rd Dec 2022
6	Guest lecture	Glass fiber reinforced concrete	Mr. K.siva	123	2 hours	21st Dec 2021
7	Guest lecture	Aerial photogrammetric	Mr. M. Ravi	96	2 hours	22nd Aug 2021
A.Y 2020-21						
8	Guest lecture	Cad program in interior architecture education	Mr. M.Madhu	86	2 hours	2nd April 2021
9	Guest lecture	Laser scanning and photogrammetric in civil engineering	Mr. S.Pavan	126	2 hours	10th Feb 2021
10	Guest lecture	Self -consolidating concrete	Mr. S. Bhaskar	106	2 hours	21st Dec 2021
11	Guest lecture	Indian global council rating system	Janani Nagarajan	89	2 hours	18th March 2021
A.Y2019-20						
12	Guest lecture	Advancing health and well being in building global	Prabhakaran Somasundaram	86	2 hours	20th Sep 2019
13	Guest lecture	Photogrammetric surveying application on restoring work	Mr D. Srinivasulu	94	2 hours	12th March 2020
14	Guest lecture	Manufacturing and advantages of ready mix concrete over nominal concrete	Mr.J. Sivabrahmam	88	2 hours	23rd Dec 2019
15	Guest lecture	Engineering sketch generation	Mr. S. Ravi kumar	87	2 hours	23rd Jan 2020

D. Impact analysis of industry institute interaction and actions taken thereof

- The students of Civil Engineering department have shown keen interest to participate in guest lectures, workshops and training offered by different industries. It helps to acquire industrial knowledge to identify and solve real time problems.
- Students picked up what they learnt at the workshops to implement their own mini project and also final year projects.
- The effectiveness of this practice can be assessed by the great response of the participants of the workshops/ trainings and competitions. Students implement their learning in final year projects.
- Students get more exposure to show their entrepreneurial spirit and project-based thinking.
- By guest lecturers delivered by the experts from industry and alumni, awareness is created on the latest developments and trends of the industry by which the students could plan for their placement activities.

2.2.5 Initiatives related to industry internship/summer training (10) Institute Marks : 10.00

INITIATIVES:

- Internship is a part of the curriculum. The students are encouraged to take up internship programs during their completion of II-II semester break for 2 to 4 weeks. The students who fail to get internship from the industry, the department will arrange practical training program by industry experts for those students.
- Students are encouraged to attend summer training or internships
- The department encourages students to take up inplant training during summer holidays in various organizations like Panchaythi Raj, Ongole Municipal Corporation (OMC), A .P Samagra siksha (APSS), Gloabal Ready-mix etc.

IMPLEMENTATION:

A. INDUSTRIAL TRAINING/ TOURS FOR STUDENTS

- Industrial tours are organized for students to provide an insight into the technology used in industries.
- Learning from textbooks, lectures and other study material does not suffice for holistic learning. Practical and hands-on learning is essential for better understanding the processes
- As the faculty from civil department accompanied the students during the industrial tour, the industrial visit helps the faculty to correlate between theoretical and practical learning.

Table.2.2.5.a. List of Industrial Tours

AY	Details
2021-22	1.Global ready mix industries, Surareddypalem 2.Guptas Industries , Ongole 3.Steel Structures , Surareddypalem
2020-21	1.SHAR , Sriharikota 2. Global ready mix industries, Surareddypalem 3.Hydro power Generation plant, Srisailam 4. Ultratech Cement manufacturing Plant
2019-20	1. Global ready mix industries, Surareddypalem 2.Thermal power generation house ,Srisalam. 3.VSR building constructions ,Nellore.

Fig.2.2.5.a: Industrial visit at steel bridge and rail industry

Fig.2.2.5.b: Industrial visit at Global readymix

B. INDUSTRY INTERNSHIP/SUMMER TRAINING

The students are encouraged to take up internship programs and summer trainings during their semester break. Training coordinator helps the students by interacting with the industrial experts, providing the students recommendation letters and of the necessary supports. At the end of every semester or in vacation time, the students are allowed to carry out summer training in the organization to get practical exposure to the technologies implemented in industries.

Table.2.2.5.b. List of summer internships attended industry details

A.Y	Industry details
2021-22	Global ready mix ,OMC ,PRI Division,A.P.S.S,
2020-21	Global ready mix,OMC ,PRI Division,A.P.S.S, etc
2019-20	Global ready mix,OMC ,PRI Division ,A.P.S.S, etc

Assessment for Internship:

Internship/training of the student shall be assessed for 100 marks for R18 Regulation. After the completion of internship the student shall submit a certificate and a report to the Project Review Committee (PRC) for Evaluation and to conduct a Viva-Voce Examination

Table.2.2.5.c. List of weightage of marks for Internship for R18

S. No.	External	Marks
1	Internship Report	50
2	Presentation	30
3	Viva voce	20
	Total Marks	**100**

C. IMPACT ANALYSIS

The following is the impact analysis observed on Industry Institute interactions

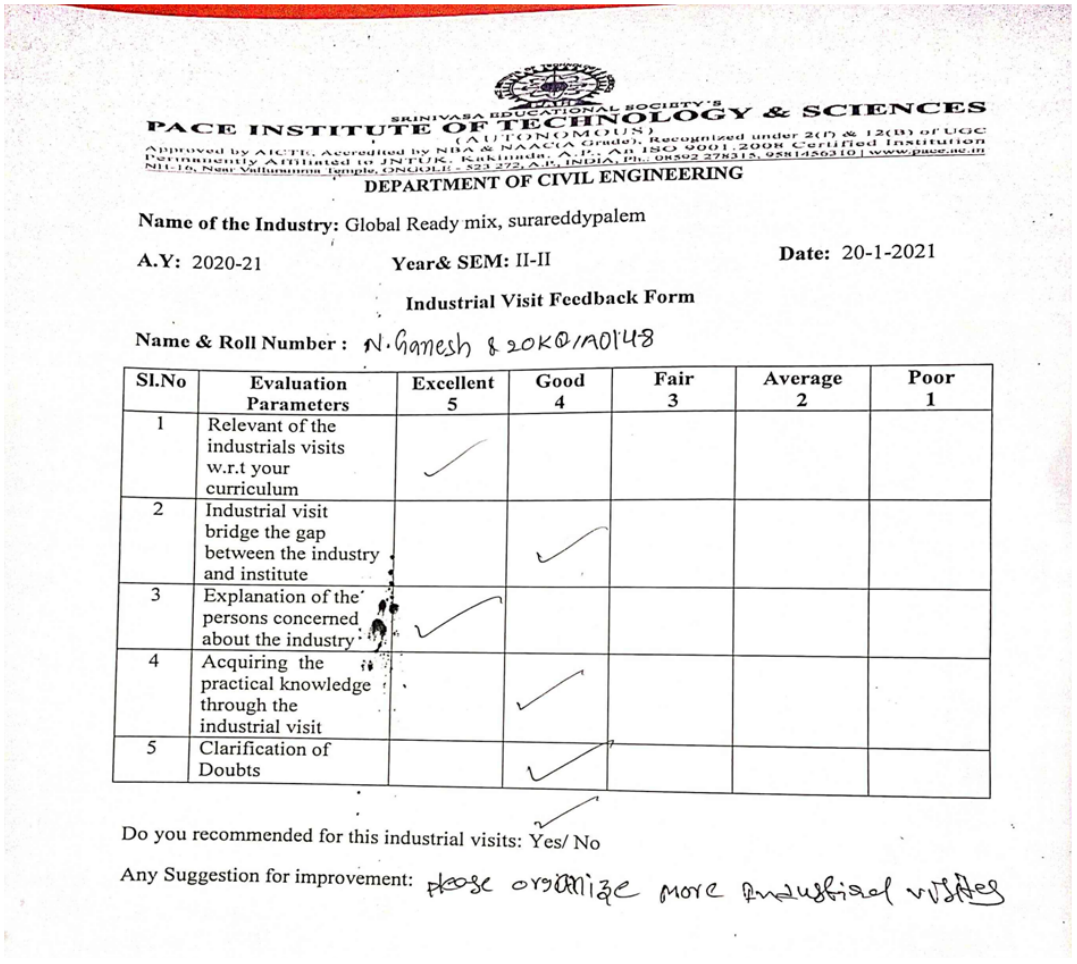
- Knowledge gained during internship program helped the students to implement in their project work.
- This internship program will be helpful in obtaining jobs
- The students' technical skills are improved.
- Students have an edge in the job market
- The students placement percentage has improved
- Students gain valuable work experience.
- Students gain the basic skills needed for the development of real world projects.

Impact of internships/ Industrial tours in improving the strengths of POs & PSOs.

Event	Mapping POs	Mapping PSOs
Internships	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2,PSO3
Industrial Training	PO1,PO2,PO3,PO4,PO5,PO6,PO7,PO8,PO9,PO10,PO11,PO12	PSO1,PSO2,PSO3

D. STUDENT FEEDBACK ON INITIATIVE

- Every student of the department submits a feedback on the industrial interactions during visits, training programs and internships, soon after the completion of the same.
- The feedbacks obtained from the students are used effectively in strengthening the industrial relations of the department and also to guide the successor batches. The following Figure 2.2.5a shows the student feed back during industrial visit.
- The feedback also explores the content to be revised in curriculum to bridge the gap between academics and industry



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DEPARTMENT OF CIVIL ENGINEERING

Name of the Industry: Global Ready mix, surareddypalem

A.Y: 2020-21 **Year& SEM:** II-II **Date:** 20-1-2021

Industrial Visit Feedback Form

Name & Roll Number : N. Ganesh & 20K01A0148

Sl.No	Evaluation Parameters	Excellent 5	Good 4	Fair 3	Average 2	Poor 1
1	Relevant of the industrials visits w.r.t your curriculum	✓				
2	Industrial visit bridge the gap between the industry and institute		✓			
3	Explanation of the persons concerned about the industry	✓				
4	Acquiring the practical knowledge through the industrial visit		✓			
5	Clarification of Doubts		✓			

Do you recommended for this industrial visits: Yes/ No

Any Suggestion for improvement: Please organize more Industrial visits

Fig.2.2.5.c: Sample feedback form on Industrial visit

3 COURSE OUTCOMES AND PROGRAM OUTCOMES (175) Total Marks 175.00

Define the Program specific outcomes

:

PSO1	The graduates of this program with proficiency in mathematics and physical science will excel in the core areas of civil engineering such as structural, environmnental, geotechnical, transportation and water resources engineering.
PSO2	The graduates will plan, produce detailed drawing, write specifications, analyze,design and prepare cost estimates.
PSO3	The graduates will interact with stakeholders effectively and execute quality construction work applying necessary tools.

3.1 Establish the correlation between the courses and the Program Outcomes (POs) & Program Specific Outcomes (25) Total Marks 25.00

Institute Marks : 25.00

No. of Core Courses : 6	**C2 :** 2	**C3 :** 2	**C4 :** 2

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

Course Name :	C2 02	Course Year :	2019-2020

Course Name	Statements
C2 02.1	Understand the basic materials behavior under the influence of different external loading conditions
C2 02.2	Draw the diagrams indicating the variation of the key performance features like bending moment and shear forces
C2 02.3	Identify bending stresses for various cross-sections
C2 02.4	Gain knowledge of deflections due to various loading and support conditions.
C2 02.5	Assess stresses across section of cylinders and design thick cylinders.

Course Name :	C2 12	Course Year :	2019-2020

Course Name	Statements
C2 12.1	Describe hydrological cycle and identify key elements of precipitation
C2 12.2	Apply hydrological concepts to understand the abstractions in precipitation and to analyse infiltration capacity.
C2 12.3	Apply the technique for developing hydrographs for estimating the peak run off from different catchments
C2 12.4	Assess aquifer parameters and yield of a well
C2 12.5	explain the Importance of irrigation and estimation of water requirements for a crop

Course Name :	C3 02	Course Year :	2020-2021

Course Name	Statements
C3 02.1	Explain concepts of Limit State Method and Design of beams including Detailing
C3 02.2	Design of Flexure, Shear, Torsion and Bond of beams including detailing by limit state method
C3 02.3	Design different types of slabs by limit state method
C3 02.4	Design compression members by limit state method.
C3 02.5	Design different types of footings by limit state method

Course Name :	C3 11	Course Year :	2020-2021

Course Name	Statements
C3 11.3	To know the Effective pressures in soils and stress distribution by different theories
C3 11.4	Define compressibility of soil and to determine compression and consolidation in the laboratory
C3 11.5	Demonstrate the concept of shear strength in soil with the knowledge of suitable theories.
C3 11.1	Define various index properties of soil and interpret the grain size analysis using log graphs.
C3 11.2	Classify soils and know the importance of permeability and determine in the laboratory

Course Name :	C4 01	Course Year :	2021-2022

Course Name	Statements
C4 01.1	Demonstrate an ability to prepare Soil Investigation report by conducting Field test
C4 01.2	Analyse Stability of Slopes under different soil conditions by applying theories of Stability
C4 01.3	Explain earth pressure theories and analyze earth retaining Structure theoretically and Graphically
C4 01.4	Identify suitable foundation by analyzing bearing capacity and settlement of soil under different conditions
C4 01.5	Apply the concept of bearing capacity to select and design suitable deep foundations

Course Name :	C4 02	Course Year :	2021-2022

Course Name	Statements
C4 02.1	Apply the concepts to estimate water Demand
C4 02.2	Analyse the source of water by mass curve and understand the source of water
C4 02.3	Characterize the quality of water by applying IS codes for drinking Purpose
C4 02.4	Design a water treatment Plant
C4 02.5	Describe the methods of distributing water, develop layouts and testing of pipes

Course Articulation Matrix :

1 . course name : C202

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C202.1	Understanc	3	2	3	-	-	-	-	-	-	-	-	-
C202.2	Draw the di	2	3	2	3	-	-	-	-	-	-	-	-
C202.3	Identify ben	3	2	2	-	-	-	-	-	-	-	-	-
C202.4	Gain knowl	2	3	2	-	-	-	-	-	-	-	-	-
C202.5	Assess stre	3	3	3	-	-	-	-	-	-	-	-	-
Average		**2.60**	**2.60**	**2.40**	**3.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

2 . course name : C212

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C212.1	Describe hy	3	3	-	3	-	-	2	-	-	-	-	-
C212.2	Apply hydrc	2	2	-	-	-	-	-	-	-	-	-	-
C212.3	Apply the te	2	2	-	2	-	-	-	-	-	-	-	-
C212.4	Assess aqu	3	3	-	-	-	-	-	-	-	-	-	-
C212.5	explain the	3	3	-	-	-	-	3	-	-	-	-	-
Average		**2.60**	**2.60**	**0.00**	**2.50**	**0.00**	**0.00**	**2.50**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

3 . course name : C302

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C302.1	Explain con	3	3	2	2	-	2	-	-	-	-	-	-
C302.2	Design of F	2	2	2	2	-	2	-	-	-	-	-	-
C302.3	Design diffe	2	2	3	3	-	3	-	-	-	-	-	-
C302.4	Design com	2	3	2	2	-	2	-	-	-	-	-	-
C302.5	Design diffe	3	-	3	3	-	2	-	-	-	-	-	-
Average		**2.40**	**2.50**	**2.40**	**2.40**	**0.00**	**2.20**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

4 . course name : C311

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C311.3	To know the	3	3	3	2	-	-	-	-	-	-	-	-
C311.4	Define com	3	3	3	3	-	-	-	-	-	-	-	-
C311.5	Demonstrat	3	2	3	3	-	-	-	-	-	-	-	-
C311.1	Define varic	2	3	3	3	-	-	-	-	-	-	-	-
C311.2	Classify soi	3	3	3	3	-	-	-	-	-	-	-	-
Average		**2.80**	**2.80**	**3.00**	**2.80**	**0.00**	**1.00**	**0.00**	**0.00**	**0.00**	**1.00**	**0.00**	**0.00**

5 . course name : C401

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C401.1	Demonstrat	2	2	2	2	-	-	-	-	-	2	-	-
C401.2	Analyse Sta	3	2	2	2	-	-	-	-	-	3	-	-
C401.3	Explain ear	2	3	2	3	-	-	-	-	-	2	-	-
C401.4	Identify suit	3	2	3	-	-	3	-	-	-	-	-	-
C401.5	Apply the c	2	3	2	2	-	2	-	-	-	-	-	-
Average		**2.40**	**2.40**	**2.20**	**2.25**	**0.00**	**2.50**	**0.00**	**0.00**	**0.00**	**2.33**	**0.00**	**0.00**

6 . course name : C402

Course	Statements	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C402.1	Apply the c	3	3	2	3	-	-	3	-	-	-	-	-
C402.2	Analyse the	2	3	-	-	-	-	-	-	-	-	-	-
C402.3	Characteriz	3	3	-	-	-	3	2	-	-	-	-	-
C402.4	Design a wa	2	2	3	2	-	2	2	-	-	2	-	-
C402.5	Describe th	2	2	-	2	-	2	2	-	-	3	-	-
Average		**2.40**	**2.60**	**2.50**	**2.33**	**0.00**	**2.33**	**2.25**	**0.00**	**0.00**	**2.50**	**0.00**	**0.00**

1 . Course Name : C202

Course	PSO1	PSO2	PSO3
C202.1	3	2	-
C202.2	2	3	-
C202.3	3	2	-
C202.4	2	3	-
C202.5	3	3	-
Average	**2.60**	**2.60**	**0.00**

2 . Course Name : C212

Course	PSO1	PSO2	PSO3
C212.1	3	3	-
C212.2	2	2	-
C212.3	2	2	-
C212.4	3	2	-
C212.5	3	3	-
Average	**2.60**	**2.40**	**0.00**

3 . Course Name : C302

Course	PSO1	PSO2	PSO3
C302.1	2	2	-
C302.2	2	2	-
C302.3	2	-	-
C302.4	2	2	-
C302.5	3	2	-
Average	**2.20**	**2.00**	**0.00**

4 . Course Name : C311

Course	PSO1	PSO2	PSO3
C311.3	3	3	-
C311.4	3	2	-
C311.5	2	3	-
C311.1	3	2	-
C311.2	2	-	-
Average	**2.60**	**2.50**	**0.00**

5 . Course Name : C401

Course	PSO1	PSO2	PSO3
C401.1	3	2	-
C401.2	2	3	-
C401.3	3	2	-
C401.4	2	2	-
C401.5	2	-	-
Average	**2.40**	**2.25**	**0.00**

6 . Course Name : C402

Course	PSO1	PSO2	PSO3
C402.1	3	3	-
C402.2	2	2	-
C402.3	3	3	-
C402.4	2	2	1
C402.5	2	2	-
Average	**2.40**	**2.40**	**1.00**

Program Articulation Matrix :

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C101	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	2.5	2.4	PO11	PO12
C102	2.6	2.8	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C103	1.8	2.4	2.3	2.0	PO5	PO6	2.6	PO8	PO9	1.0	PO11	PO12
C104	2.8	2.0	2.6	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C106	2.8	2.0	2.6	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C107	2.25	2.25	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C108	3.0	2.0	2.6	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C109	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	3.0	2.6	PO11	PO12
C110	2.4	2.4	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C111	2.8	2.4	2.6	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C112	2.6	2.2	2.6	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C113	2.8	2.0	2.6	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C114	2.25	2.25	2.25	2.5	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C115	2.5	2.0	2.6	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C116	2.2	2.2	2.4	2.6	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C117	2.0	2.4	2.0	PO4	PO5	2.0	2.4	PO8	PO9	PO10	PO11	PO12
C201	2.8	2.8	2.8	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C202	2.6	2.6	2.4	3.0	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C203	2.6	2.5	2.5	2.6	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C204	2.4	2.6	3.0	2.4	PO5	PO6	PO7	PO8	PO9	2.5	PO11	PO12
C205	2.6	2.6	2.6	2.5	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C206	PO1	PO2	PO3	PO4	PO5	2.6	PO7	1.20	2.4	PO10	PO11	PO12
C207	2.4	2.4	2.4	2.2	PO5	PO6	PO7	PO8	2.4	2.4	PO11	PO12
C208	2.25	2.5	2.5	2.5	PO5	PO6	PO7	PO8	2.5	2.25	PO11	PO12
C209	2.4	2.3	PO3	2.4	PO5	PO6	PO7	PO8	2.4	2.4	PO11	PO12
C210	2.6	2.6	PO3	2.4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C211	2.8	2.75	2.75	PO4	PO5	3.0	PO7	PO8	PO9	3.0	PO11	PO12
C212	2.6	2.6	PO3	2.5	PO5	PO6	2.5	PO8	PO9	PO10	PO11	PO12
C213	2.6	2.4	2.4	2.5	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C214	2.6	2.4	2.2	2.5	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C215	PO1	PO2	PO3	PO4	PO5	2.6	PO7	1.80	PO9	PO10	PO11	PO12
C216	2.5	2.5	2.5	2.0	2.0	PO6	PO7	PO8	2.5	2.5	PO11	PO12
C217	3.0	2.3	2.0	PO4	PO5	PO6	PO7	PO8	2.5	2.5	PO11	PO12
C218	2.5	2.25	2.25	2.5	PO5	PO6	PO7	PO8	2.5	2.0	PO11	PO12
C301	2.4	2.6	2.4	2.6	3.0	2.6	PO7	PO8	PO9	2.5	PO11	PO12
C302	2.4	2.5	2.4	2.4	PO5	2.20	PO7	PO8	PO9	PO10	PO11	PO12
C303	2.6	2.6	2.6	2.75	PO5	3.0	PO7	PO8	PO9	PO10	PO11	PO12
C304	2.6	2.4	2.4	2.4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C305	2.6	2.6	2.6	2.75	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C307	2.3	2.4	2.4	2.3	PO5	3.0	PO7	3.0	2.5	2.3	1.40	2.5
C308	2.6	2.0	2.6	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C309	1.50	1.50	1.0	1.50	1.50	1.0	2.0	1.50	1.67	1.50	1.0	1.75
C310	2.0	2.4	2.4	2.4	2.4	PO6	PO7	PO8	PO9	3.0	PO11	PO12
C311	2.8	2.8	3	2.8	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C312	2.2	2.4	2.4	2.4	PO5	2.2	PO7	PO8	PO9	2.25	PO11	PO12
C313	2.4	2.4	2.6	2.4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C316	1.50	1.50	1.0	1.50	1.50	1.0	2.0	1.50	1.67	1.50	1.0	1.75
C317	3.0	2.25	2.5	2.25	PO5	PO6	PO7	PO8	2.5	2.25	PO11	PO12
C318	2.4	2.6	2.4	2.6	PO5	PO6	PO7	PO8	2.4	2.4	PO11	PO12
C401	2.4	2.4	2.2	2.25	PO5	2.5	PO7	PO8	PO9	2.3	PO11	PO12
C402	2.4	2.6	2.5	2.3	PO5	2.3	2.25	PO8	PO9	2.5	PO11	PO12
C403	2.8	2.6	2.6	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C404	2.4	2.25	2.2	2.75	2.4	2.0	2.0	PO8	PO9	2.0	PO11	PO12
C407	2.6	2.3	2.4	3.0	2.5	2.6	PO7	1.80	2.6	2.6	1.60	2.6

C408	2.4	2.6	2.75	2.4	PO5	2.25	2.6	PO8	PO9	PO10	PO11	PO12
C409	2.4	2.6	2.6	2.6	2.4	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C412	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.3	2.5	1.0	2.5
C105	2.0	2.6	2.6	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12

Course	PSO1	PSO2	PSO3
C101	PSO1	PSO2	1
C102	PSO1	PSO2	PSO3
C103	1.67	PSO2	PSO3
C104	2.8	PSO2	2.0
C105	PSO1	PSO2	PSO3
C106	2.8	PSO2	2.0
C107	2.0	PSO2	PSO3
C108	2.8	PSO2	2.0
C109	PSO1	PSO2	2.4
C110	2.2	PSO2	PSO3
C111	2.8	PSO2	2.0
C112	PSO1	PSO2	PSO3
C113	2.8	PSO2	2.0
C114	2.0	PSO2	PSO3
C115	2.5	PSO2	PSO3
C116	2.0	PSO2	PSO3
C117	2.4	PSO2	PSO3
C201	PSO1	2.6	PSO3
C202	2.6	2.6	PSO3
C203	2.2	2.25	PSO3
C204	2.4	2.5	PSO3
C205	2.6	2.5	PSO3
C206	1.0	PSO2	1.0
C207	2.4	2.4	PSO3
C208	2.25	2.25	PSO3
C209	2.25	2.25	PSO3
C210	2.8	2.6	PSO3
C211	2.6	2.6	PSO3
C212	2.6	2.4	PSO3
C213	2.4	2.4	PSO3
C214	2.2	2.4	PSO3
C215	PSO1	PSO2	2.5
C216	2.5	2.5	PSO3
C217	2.0	2.0	PSO3
C218	2.5	2.5	PSO3
C301	2.4	2.5	PSO3
C302	2.2	2.0	PSO3
C303	2.6	2.6	PSO3
C304	2.6	2.4	PSO3
C305	2.8	2.6	PSO3
C307	PSO1	2.6	PSO3
C308	PSO1	PSO2	PSO3
C309	1.50	1.75	2.0
C310	2.6	2.6	PSO3
C311	2.6	2.5	PSO3
C312	2.2	2.25	PSO3
C313	2.4	2.6	PSO3
C316	1.50	1.75	2.0
C317	2.25	2.25	PSO3
C318	2.6	2.4	PSO3

C401	2.4	2.25	PSO3
C402	2.4	2.4	1.0
C403	2.8	PSO2	2.6
C404	PSO1	2.0	PSO3
C407	2.0	PSO2	2.6
C408	2.6	2.5	PSO3
C409	2.6	2.2	PSO3
C412	2.5	2.5	2.5

3.2 Attainment of Course Outcomes (75) Total Marks 75.00

Institute Marks : 10.00

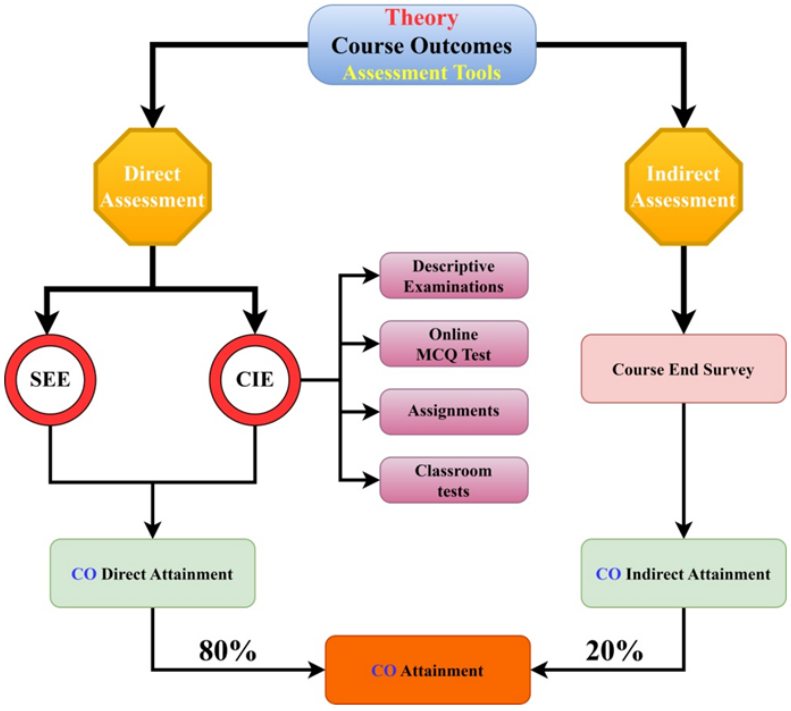
For the Evaluation of attainments CO's both direct and indirect assessment methods are used. The 80% weightage is considered for direct assessment which includes internal assessments (like Mid-examinations, Assignments, Classroom tests, Day to Day Evaluations, etc) and Semester end examinations. The remaining 20% weightage is based on course-end survey.

Internally developed excel spreadsheets are used for direct assessment. Feedback forms based on CO's were framed for each class and the feedback was taken from students for indirect assessment.

CO attainment process

The curriculum comprises of various types of courses like Theory Courses, Laboratory Courses, Mini-Project, Internship, Seminar, and Mandatory courses.

Theory Attainment Process



Theory:

Mid-Examinations: Two mid-examinations are conducted for each semester. Mid-examinations serve to encourage students to keep up with course content covered. The Mid examination is of 120 minutes for 20 marks. The questions are framed in such a way that they should map Bloom's taxonomy, whereas each question is mapped to the respective course outcomes, which was evaluated based on the set attainment levels. The Multiple choice questions of 10 marks is also evaluated in both mid's of each course.

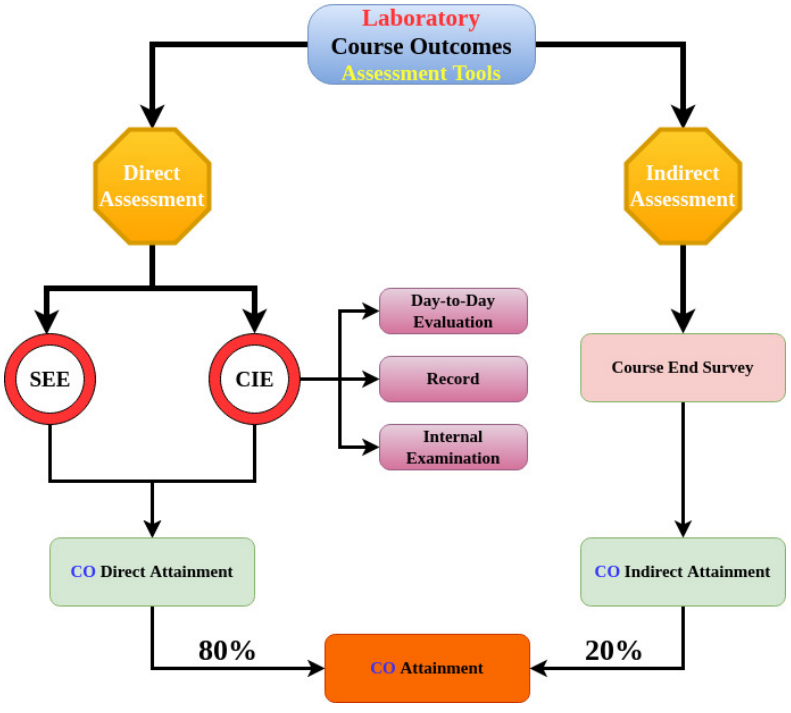
Assignments: Students are assigned course-related work and their submissions are evaluated on the basis of work quality. A total of 5 assignments are given per course where each assignment carries 5 Marks.

Classroom Test: Students are assigned course-related work and their class room performance is evaluated. A total of 5 classroom tests are given per course where each test carries 5 Marks.

Semester-End Examination: The semester-end examination is 180 minutes duration of 60 marks and covers the entire syllabus of the course. The questions are framed in such a way that they should satisfy Bloom's taxonomy, where as each question is mapped to the concurred course outcomes of the course. The CO's are evaluated based on the set attainment levels.

All direct assessment such as Mid-examinations, Assignments, Classroom test & Semester end examinations covers 80% of weightage and Indirect assessment consists of a course-end survey which comprises 20% of weightage.

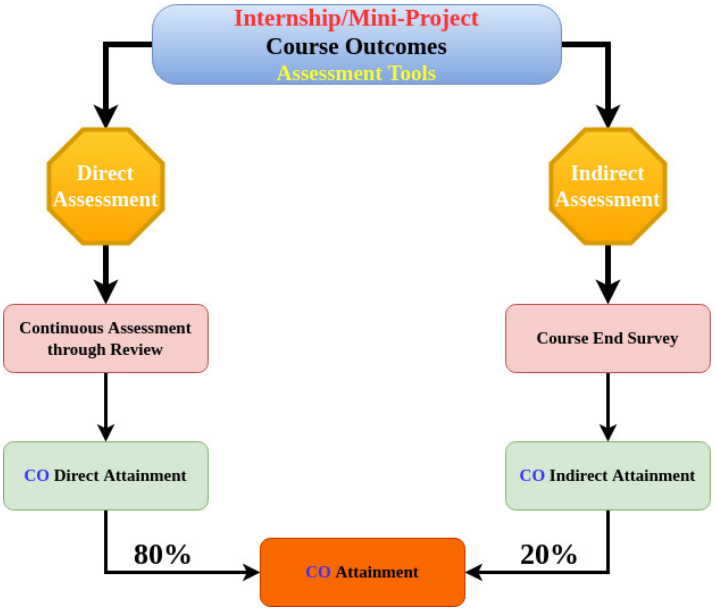
Laboratory Attainment Process:



Laboratory Courses:

For a total of 100 marks, continuous internal evaluation is 40 marks which comprises mainly day-to-day evaluation (20marks), Record (5marks), Internal Examinations (15marks) and Semester end examinations of 60 marks which cover 80% weightage of laboratory assessment and remaining 20% weightage for course end survey.

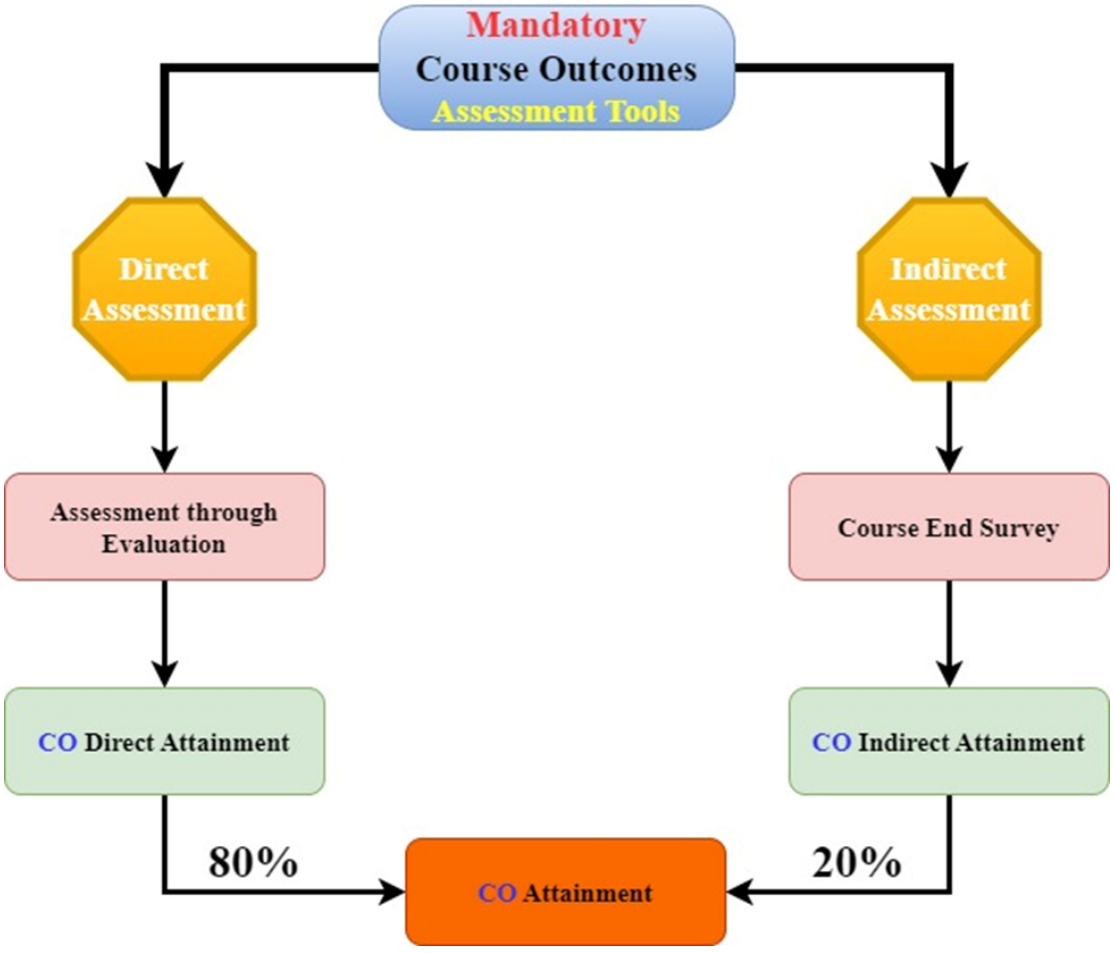
Internship/Mini-Project Attainment Process:



Internship/Mini-Project Courses:

As per curriculum internship/mini project course rubrics are assessed on internal examination procedures for 100 marks which carries 80% weightage and course end survey carries 20% weightage.

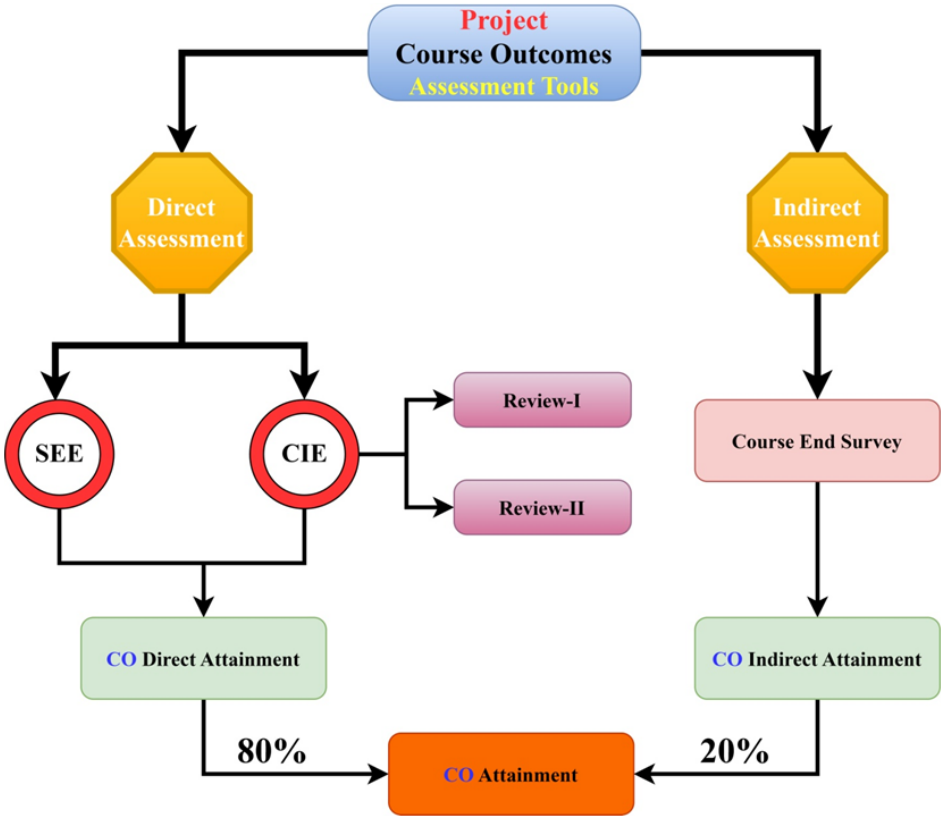
Mandatory Course Attainment Process:



Mandatory Courses:

As per curriculum Mandatory course rubrics are assessed on internal examination procedures for 100 marks which carries 80% weightage and course end survey carries 20% weightage.

Project Attainment Process:



Project Work:

Project work is carried out by students of IV - B. Tech, II – Semester. According to the curriculum, the internal marks allocated for project work is 80 marks, external evaluation marks are 120 which carries 80% weightage and course end survey carries 20% weightage.

Course End Survey is collected at the end of course from the students about their attainment level of COs. Feedback is collected with closed ended questions with options as

4- Excellent

3- Very Good

2- Good

1-Average

0-Poor

There response will be converted into percentage

$$\% \text{ of attainment} \frac{\sum \text{Grade} \times \text{Number of responses to that grade}}{\text{Total respnses}} \times 100$$

Depending on the level of attainment grade was decided as mentioned below.

% of attainment	Grade
More than or equal to 80%	3
More than or equal to 70% and less than 80%	2
More than or equal to 60% and less than 70%	1
Less than 60%	0

3.2.2 Record the attainment of Course Outcomes of all courses with respect to set attainment levels (65)

Institute Marks : 65.00

As the 2018 admitted batch was the first autonomous batch, the threshold for internal and external exams was calculated based on the previous two batches (2016 & 2017) pass percentages in the course having the same/similar syllabus.

For 2018 admitted batch

2016 admitted & 2017 admitted batch average pass percentage	Internal Threshold	External Threshold
Less than 50%	55	40
More than or equal to 50% and less than 60%	57.5	42.5
More than or equal to 60% and less than 70%	60	45
More than or equal to 70% and less than 80%	62.5	47.5
More than or equal to 80%	65	50
If the course does not exist in R16	60	45

The percentage of students who secured more than the threshold was calculated. Grades were given on the % of students who secured more than the threshold value

Percentage of students secured more than the threshold	Grade
More than or equal to 80%	3
Less than 80% and more than or equal to 70%	2
Less than 70% and more than or equal to 60%	1
Less than 60%	0

Depending upon the percentage of students secured more than the threshold, the next batch threshold was decided by the same course as follows.

Next batch threshold for internal courses:

% of students secured more than the threshold value	Action
More than or equal to 95% and less than 100%	Change Threshold to Min (Present batch Thresold+10%, 70)
More than or equal to 90% and less than 95%	Change Threshold to Min (Present batch Thresold+7.5%,70)
More than or equal to 85% and less than 90%	Change Threshold to Min (Present batch Thresold+5%,70)
More than or equal to 80% and less than 85%	Change Threshold to Min (Present batch Thresold+2.5%,70)
Less than 80%	No Change in the threshold is required.

Theory attainment sample

Continuous Internal Evaluation:

PACE Institute of Technology and Sciences, Ongole

Course Outcome Attainment Sheet Internal (B.Tech-R18)

Programme Specilization:	CIVIL
Year :	II
Sem	I
Course Name:	Strength of Materials-I
Course Code:	C202
A.Y:	2019-20
Batch:	2018-22
Course Type:	Non-Elective

Roll No	MID-1				MID-2				Assignment					Class Room Test					Online Test		Course Outcomes Attaiment (CIE)				
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	A1	A2	A3	A4	A5	C1	C2	C3	C4	C5	MCQ-1	MCQ-2					
Max Marks	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	10	10	CO1	CO2	CO3	CO4	CO5
CO	1	2	2	3	3	4	4	5	1	2	3	4	5	1	2	3	4	5	1,2,3	3,4,5					
18KQ1A0101	5	2	2	3	1	3	3	4	5	4	5	4	5	5	4	5	5	5	9	7	97.89	65.00	71.67	74.17	88.42
18KQ1A0102	5	5	5	5	5	5	5	5	5	5	5	4	5	5	5	5	5	5	9	10	97.89	98.33	99.17	95.83	100.00

INTERNAL	Threshold Internal	60	60	60	60	60
	%students secured more than Threshold	89.53	70.16	81.15	70.68	87.96
	Internal Grade	3	2	3	2	3
	Next A.Y Threshold	65	60	62.5	60	65

Course Coordinator HoD

Semester-End Examination:

PACE Institute of Technology and Sciences, Ongole

Course Outcome Attainment Sheet External (B.Tech-R18)

Programme	CIVIL
Year :	II
Sem:	I
Course Name:	Strength of Materials-I
Course Code:	C202
A.Y:	2019-20
Batch:	2018-22
Course Type:	Non-Elective

SL NO	CO1	CO2	CO3	CO4	CO5	CO1	CO2	CO3	CO4	CO5
18KQ1A0101	7	0	4	0	2	58.33	0.00	33.33	0.00	16.67
18KQ1A0102	9	11	12	12	11	75.00	91.67	100.00	100.00	91.67

EXTERNAL	Threshold	47.5	47.5	47.5	47.5	47.5
	%students secured more than Threshold	72.38	72.38	75.69	71.82	73.48
	External Grade	2	2	2	2	2
	Next A.Y Target Threshold	47.5	47.5	47.5	47.5	47.5

Course Coordinator HoD

CO Overall Attainment:

CO WISE ATTAINMENT						
Particulars		C201.1	C201.2	C201.3	C201.4	C201.5
INTERNAL	Threshold Internal	62.5	62.5	62.5	62.5	62.5
	%students secured more than Threshold	90.55	88.56	90.05	89.55	90.05
	Internal Grade	3	3	3	3	3
	Next A.Y. Threshold	70	67.5	70	67.5	70
EXTERNAL	Threshold External	47.5	47.5	47.5	47.5	47.5
	%students secured more than Threshold	88.72	53.33	87.69	77.44	57.44
	External Grade	3	0	3	2	0
	Next A.Y. Target Threshold	52.5	47.5	52.5	47.5	47.5
Indirect Attainment		92.83	85.03	82.69	83.18	87.36
Indirect Grade		3	3	3	3	3
Overall Attainment		3.00	1.56	3.00	2.52	1.56

Lab attainment sample:

PACE Institute of Technology and Sciences, Ongole

Lab Course Outcome Attainment Sheet (B.Tech-R18)

Programme Specilization:	CIVIL
Year :	II
Sem	II
Course Name:	CONCRETE TECHNOLOGY LAB
Course Code:	C218
A.Y:	2019-20
Batch:	2018-22
Course Type:	LAB

Roll No	Day to Day Evolution										Record										Internal		External		Course Outcomes Attaiment (CIE)			
	1	2	3	4	5	6	7	8	9	10	1	2	3	4	5	6	7	8	9	10	CO	Marks	CO	Marks	CO1	CO2	CO3	CO4
Max Marks	20	20	20	20	20	20	20	20	20	20	5	5	5	5	5	5	5	5	5	5	15		60					
CO	1	1	1	2	2	2	3	3	3	4	1	1	1	2	2	2	3	3	3	4	Mixed		Mixed		1	2	3	4
18KQ1A0101	20	18	19	20	18	17	19	20	18	20	4		4		4			4	4	5	2	10	4	49	93.33	87.78	93.33	100.00
18KQ1A0102	20	18	19	20	18	17	19	20	18	20	4		4		4			4	4	5	2	13	1	56	93.33	91.11	93.33	100.00
18KQ1A0103	20	18	19	20	18	17	19	20	18	20	4		4		4			4	4	5	3	12	4	55	93.33	92.00	91.11	100.00
18KQ1A0104	19	17	18	19	17	16	18	19	17	19	4		4		4			4	4	5	1	12	3	53	87.78	88.00	89.33	96.00

	Particulars	C218.1	C218.2	C218.3	C218.4
INTERNAL	Threshold	60	60	60	60
	%students secured more than Threshold	98.44	98.44	98.44	99.46
	Internal Grade	3	3	3	3
	Next A.Y	70	70	70	70
EXTERNAL	Threshold	60	60	60	60
	%students secured more than Threshold	98.15	100	100	100
	External Grade	3	3	3	3
	Next A.Y Target Threshold	70	70	70	70

Lab CO Overall Attainment:

	CO WISE ATTAINMENT				
	Particulars	C218.1	C218.2	C218.3	C218.4
INTERNAL	Threshold Internal	65	65	65	65
	%students secured more than Threshold	96.88	97.4	97.4	99.46
	Internal Grade	3	3	3	3
	Next A.Y Threshold	70	70	70	70
EXTERNAL	Threshold External	50	50	50	50
	%students secured more than Threshold	98.15	100	100	100
	External Grade	3	3	3	3
	Next A.Y Target Threshold	60	60	60	60
Indirect Attainment		80.9325397	90.3769841	81.3849206	82.103175
Indirect Grade		3	3	3	3
Overall Attainment		3.00	3.00	3.00	3.00

3.3 Attainment of Program Outcomes and Program Specific Outcomes (75) Total Marks 75.00

3.3.1 Describe assessment tools and processes used for measuring the attainment of each Program Outcome and Program Specific Outcomes (10) Institute Marks : 10.00

Course Outcomes (CO) are the statements that declare what students should be able to do at the end of a course. At the end of each course, the Program Outcomes (CO)/Program Specific Outcomes (PSO) assessment is done from the CO attainment. Each course has defined with set of Course Outcomes and corresponding evaluation criteria. The COs are mapped to the POs and PSOs under scale of 3, 2, 1 and '-', which are used to provide the quantitative measurement of how well the Pos and PSOs are mapped.

Level	Correlation level
3	Substantial (High) Correlation
2	Moderate (Medium) Correlation
1	Slight (Low) Correlation
-	Indicates there is no correlation.

The performance of the students in the all assessment methods during the semester in each course is used to compute the level of attainment of the COs. The CO attainment and CO-PO/PSO mappings are used to measure the attainment of POs and PSOs.

PO/PSO assessment is done by giving 80% weightage to direct assessment and 20% weightage to indirect assessment. Direct assessment is based on CO attainment from the process described in 3.2.1. Direct methods display the students' knowledge and skills from their performance in the various academic activities like Continuous Internal Evaluation (CIE), Semester End Examinations (SEE), Laboratory's, Internships, Mini-Project, seminar, and project. These methods provide a sampling of what students know and/or can do and provide strong evidence of student learning. Average of CO-PO/PSO attainment of all the courses is considered as direct assessment tool for PO/PSO attainment.

Surveys like Student Exit Survey, Employer Survey and Faculty Survey are considered as indirect attainment tools for PO/PSO attainment. Student Exit Survey is collected at the end of program from students about their attainment level of POs and PSOs. Employer survey is collected from the employer about students PO/PSOs level of attainment. Staff Survey is collected from the staff regarding students PO/PSOs level of attainment.

Feedback is collected with closed ended questions with options as

4- Excellent

3- Very Good

2- Good

1-Average

0-Poor

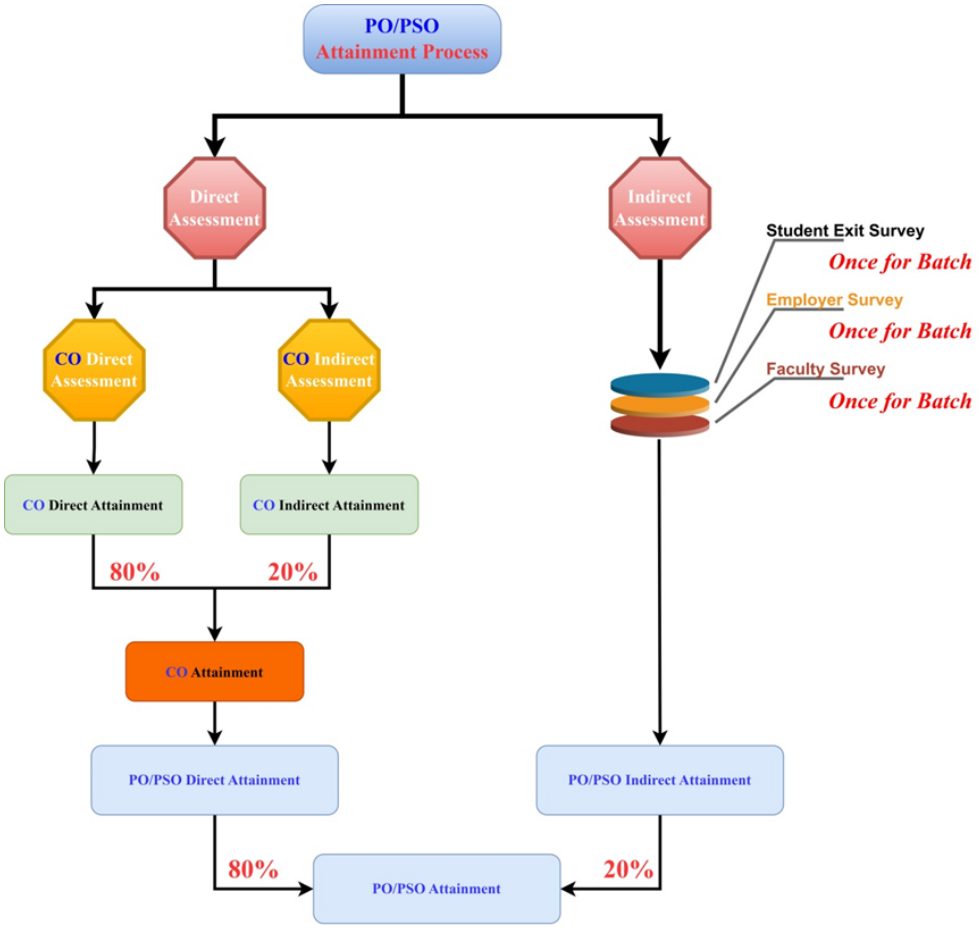
There response will be converted into percentage

$$\% \text{ of attainment} = \frac{\sum \text{Grade} \times \text{Number of responses to that grade}}{\text{Total respnses}} \times 100$$

Depending on the level of attainment grade was decided as mentioned below.

% of attainment	Grade
More than or equal to 80%	3
More than or equal to 70% and less than 80%	2
More than or equal to 60% and less than 70%	1
Less than 60%	0

PO/PSO attainment Process:



Sample PO/PSO Attainment for a Course:

PACE Institute of Technology and Sciences, Ongole
Coursewise PO, PSO Attainment Sheet (B.Tech-R18)

Programme Specilization:	CIVIL
Year :	II
Sem:	I
Course Name:	Strength of Materials-I
Course Code:	C202
A.Y:	2019-20
Batch:	2018-22
Course Type:	Non-Elective

CO, PSO MAPPING

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO-Avg
C202.1	3	2	3	-	-	-	-	-	-	-	-	-	3	2	-	2.60
C202.2	2	3	2	3	-	-	-	-	-	-	-	-	2	3	-	2.50
C202.3	3	2	2	-	-	-	-	-	-	-	-	-	3	2	-	2.40
C202.4	2	3	2	-	-	-	-	-	-	-	-	-	2	3	-	2.40
C202.5	3	3	3	-	-	-	-	-	-	-	-	-	3	3	-	3.00
Avg	**2.60**	**2.60**	**2.40**	**3.00**	-	-	-	-	-	-	-	-	**2.60**	**2.60**	-	**2.58**

CO WISE ATTAINMENT

	Particulars	C202.1	C202.2	C202.3	C202.4	C202.5
INTERNAL	Threshold Internal	60	60	60	60	60
	%students secured more than Threshold	89.23	70.26	81.03	70.77	87.69
	Internal Grade	3	2	3	2	3
	Next A.Y. Threshold	65	60	62.5	60	65
EXTERNAL	Threshold External	47.5	47.5	47.5	47.5	47.5
	%students secured more than Threshold	72.38	72.38	75.69	71.82	73.48
	External Grade	2	2	2	2	2
	Next A.Y. Target Threshold	47.5	47.5	47.5	47.5	47.5
	Indirect Attainment	81.34921	88.82937	80.23	87.14286	88
	Indirect Grade	3	3	3	3	3
	Overall Attainment	**2.52**	**2.20**	**2.52**	**2.20**	**2.52**

PO, PSO ATTAINMENT

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3	CO-Avg
C202.1	2.52	1.68	2.52	-	-	-	-	-	-	-	-	-	2.52	1.68	-	2.18
C202.2	1.47	2.20	1.47	2.20	-	-	-	-	-	-	-	-	1.47	2.20	-	1.84
C202.3	2.52	1.68	1.68	-	-	-	-	-	-	-	-	-	2.52	1.68	-	2.02
C202.4	1.47	2.20	1.47	-	-	-	-	-	-	-	-	-	1.47	2.20	-	1.76
C202.5	2.52	2.52	2.52	-	-	-	-	-	-	-	-	-	2.52	2.52	-	2.52
Avg	**2.10**	**2.06**	**1.93**	**2.20**	-	-	-	-	-	-	-	-	**2.10**	**2.06**	-	**2.06**

Course Coordinator Year Coordinator Academic Coordinator HoD

3.3.2 Provide results of evaluation of each PO & PSO (65)

Institute Marks : 65.00

PO Attainment

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C101	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	1.0	1.0	PO11	PO12
C102	0.9	1.0	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C103	1.0	1.5	1.4	1.5	PO5	PO6	1.3	PO8	PO9	0.7	PO11	PO12
C104	1.0	0.7	1.0	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C105	2.8	1.9	1.9	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C106	2.8	2.0	2.6	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C107	2.25	2.25	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C108	3.0	2.0	2.6	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C109	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	3.0	2.1	PO11	PO12
C110	1.5	1.5	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C111	1.9	1.6	1.8	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C112	0.9	1.0	0.8	0.7	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C113	0.8	0.6	0.8	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C114	2.2	2.2	2.2	2.5	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C115	2.5	2.0	2.6	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C116	2.2	2.2	2.4	2.6	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C117	1.4	1.8	1.4	PO4	PO5	1.4	1.8	PO8	PO9	PO10	PO11	PO12
C201	1.8	1.8	1.8	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C203	2.3	2.1	2.1	2.2	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C204	2.0	2.1	2.0	2.0	PO5	PO6	PO7	PO8	PO9	2.0	PO11	PO12
C205	2.0	2.0	2.0	2.1	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C207	2.4	2.4	2.4	2.2	PO5	PO6	PO7	PO8	2.4	2.4	PO11	PO12
C208	2.2	2.5	2.5	2.5	PO5	PO6	PO7	PO8	2.5	2.2	PO11	PO12
C209	2.4	2.0	PO3	2.4	PO5	PO6	PO7	PO8	2.4	2.2	PO11	PO12
C210	2.1	2.1	PO3	1.9	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C211	2.1	2.0	2.1	PO4	PO5	2.6	PO7	PO8	PO9	2.6	PO11	PO12
C212	2.0	2.0	PO3	2.0	PO5	PO6	2.1	PO8	PO9	PO10	PO11	PO12
C213	2.2	2.0	2.0	2.0	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C214	2.3	2.0	1.9	2.1	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C216	2.3	2.6	2.6	2.0	PO5	PO6	PO7	PO8	2.6	2.3	PO11	PO12
C217	3.0	2.3	2.0	PO4	PO5	PO6	PO7	PO8	2.5	2.5	PO11	PO12
C218	2.5	2.2	2.2	2.5	PO5	PO6	PO7	PO8	2.5	2.0	PO11	PO12
C301	2.14	2.34	2.13	2.33	2.80	2.34	PO7	PO8	PO9	2.18	PO11	PO12
C302	1.0	0.8	1.0	1.0	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C303	2.1	2.1	2.1	2.2	PO5	2.2	PO7	PO8	PO9	PO10	PO11	PO12
C304	2.1	2.0	2.0	2.0	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C305	2.0	2.0	2.0	2.1	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C308	2.0	2.0	2.2	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C311	2.0	2.1	2.2	2.0	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C312	1.2	1.4	1.3	1.3	PO5	1.2	PO7	PO8	PO9	1.3	PO11	PO12
C313	2.1	2.1	2.2	2.1	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C317	3.0	2.2	2.5	2.2	PO5	PO6	PO7	PO8	2.5	2.25	PO11	PO12
C318	2.4	2.6	2.4	2.6	PO5	PO6	PO7	PO8	2.4	2.4	PO11	PO12
C401	2.0	2.1	1.9	2.0	PO5	2.1	PO7	PO8	PO9	1.9	PO11	PO12
C402	2.0	2.2	2.5	2.2	PO5	1.9	2.0	PO8	PO9	2.4	PO11	PO12
C408	2.4	2.6	2.7	2.4	PO5	2.2	2.6	PO8	PO9	PO10	PO11	PO12
C409	2.4	2.6	2.6	2.6	2.4	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C202	2.10	2.06	1.93	2.20	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C206	PO1	PO2	PO3	PO4	PO5	0.13	PO7	0.16	0.13	PO10	PO11	PO12
C215	PO1	PO2	PO3	PO4	PO5	1.63	PO7	1.63	PO9	PO10	PO11	PO12
C307	1.80	1.87	1.71	1.27	PO5	3.0	PO7	1.0	1.83	1.27	0.97	2.10
C310	2.0	2.40	2.40	2.40	2.40	PO6	PO7	PO8	PO9	3.0	PO11	PO12
C407	2.17	1.80	1.97	2.20	1.97	2.23	PO7	1.48	2.12	2.17	1.39	2.23

C410	2.53	2.44	2.52	2.33	PO5	2.80	2.53	PO8	PO9	1.87	0.93	PO12
C403	2.23	2.09	2.03	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C404	2.32	2.19	2.15	2.67	2.35	2.0	2.0	PO8	PO9	2.0	PO11	PO12
C309	1.50	1.50	1.0	1.50	1.50	1.0	2.0	1.50	1.67	1.50	1.0	1.75
C316	1.50	1.50	1.0	1.50	1.50	1.0	2.0	1.50	1.67	1.50	1.0	1.75
C412	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.3	2.5	1.0	2.5

PO Attainment Indirect

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Student Exi	3	3	3	3	3	3	3	3	3	3	3	3
Employer S	3	3	3	3	3	3	3	3	3	3	3	3
Faculty Sur	3	3	3	3	3	3	3	3	3	3	3	3

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
InDirect Attainment	3	3	3	3	3	3	3	3	3	3	3	3
Direct Attainment	2.04	1.96	2.00	2.07	2.18	1.90	2.08	1.40	2.10	2.01	1.05	2.07

PSO Attainment

Course	PSO1	PSO2	PSO3
C101	PSO1	PSO2	0.4
C102	PSO1	PSO2	PSO3
C103	0.9	PSO2	PSO3
C104	1.0	PSO2	0.7
C105	PSO1	PSO2	PSO3
C106	2.8	PSO2	2.0
C107	2.0	PSO2	PSO3
C108	2.8	PSO2	2.0
C109	PSO1	PSO2	1.9
C110	1.3	PSO2	PSO3
C111	1.9	PSO2	1.3
C112	PSO1	PSO2	PSO3
C113	0.8	PSO2	0.6
C114	2.0	PSO2	PSO3
C115	2.5	PSO2	PSO3
C116	2.0	PSO2	PSO3
C117	1.8	PSO2	PSO3
C201	PSO1	1.8	PSO3
C203	2.0	1.9	PSO3
C204	2.0	2.0	PSO3
C205	2.0	1.9	PSO3
C207	2.4	2.4	PSO3
C208	2.2	2.2	PSO3
C209	2.2	2.2	PSO3
C210	2.3	2.1	PSO3
C211	2.1	2.2	PSO3
C212	2.0	1.9	PSO3
C213	2.0	2.0	PSO3
C214	1.9	2.0	PSO3
C215	PSO1	PSO2	2.5
C216	2.6	2.3	PSO3
C217	2.0	2.0	PSO3
C218	2.5	2.5	PSO3
C301	2.02	2.03	PSO3
C302	0.9	0.8	PSO3
C303	2.1	2.1	PSO3
C304	2.1	2.0	PSO3
C305	2.1	2.0	PSO3
C307	PSO1	2.6	PSO3

C308	PSO1	PSO2	PSO3
C309	1.5	1.7	2.0
C310	2.6	2.6	PSO3
C311	1.9	1.9	PSO3
C312	1.2	1.3	PSO3
C313	2.1	2.2	PSO3
C316	1.5	1.7	2.0
C317	2.2	2.2	PSO3
C318	2.6	2.4	PSO3
C401	2.1	1.8	PSO3
C407	1.4	PSO2	2.6
C408	2.6	2.5	PSO3
C409	2.6	2.2	PSO3
C412	2.5	2.5	2.5
C202	2.10	2.06	PSO3
C403	2.20	PSO2	2.0
C404	PSO1	1.90	PSO3
C206	0.13	PSO2	0.13
C402	2.0	2.0	1.0

PSO Attainment Indirect

Survey	**PSO1**	**PSO2**	**PSO3**
Student Exit Survey	3	3	3
Employer Survey	3	3	3
Faculty Survey	3	3	3

PSO Attainment Level

Course	**PSO1**	**PSO2**	**PSO3**
Direct Attainment	1.97	2.05	1.58
InDirect Attainment	3	3	3

4 STUDENTS' PERFORMANCE (100) Total Marks 79.09

Institute Marks :

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	120	180	180	180	180	180
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)	82	107	171	186	168	118	162
Number of students admitted in 2nd year in the same batch via lateral entry (N2)	0	26	35	21	30	26	43
Separate division students, If applicable (N3)	0	0	0	0	0	0	0
Total number of students admitted in the programme(N1 + N2 + N3)	82	133	206	207	198	144	205

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)	82				
2021-22 (CAYm1)	133	37			
2020-21 (CAYm2)	206	49	70		
2019-20 (CAYm3)	207	49	44	38	
2018-19 (LYG)	198	72	48	41	39
2017-18 (LYGm1)	144	32	37	26	16
2016-17 (LYGm2)	205	27	42	38	35

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)	82				
2021-22 (CAYm1)	133	40			
2020-21 (CAYm2)	206	103	106		
2019-20 (CAYm3)	207	137	140	117	
2018-19 (LYG)	198	139	157	151	136
2017-18 (LYGm1)	144	101	109	99	82
2016-17 (LYGm2)	205	71	107	104	101

4.1 Enrolment Ratio (20)

Total Marks 18.00

Institute Marks : 18.00

	N (From Table 4.1)	N1 (From Table 4.1)	Enrollment Ratio [(N1/N)*100]
2022-23 (CAY)	120	82	68.33
2021-22 (CAYm1)	120	107	89.17
2020-21 (CAYm2)	180	171	95.00

Average [(ER1 + ER2 + ER3) / 3] : 84.17

Assessment : 18.00

4.2 Success Rate in the stipulated period of the program (20)

Total Marks 5.32

4.2.1 Success rate without backlogs in any semester / year of study (15)

Institute Marks : 2.40

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 seperated division, if applicable	198.00	144.00	205.00
Y Number of students who have graduated without backlogs in the stipulated period	39.00	16.00	35.00
Success Index [SI = Y / X]	0.20	0.11	0.17

Average SI [(SI1 + SI2 + SI3) / 3] : 0.16

Assessment [15 * Average SI] : 2.40

4.2.2 Sucess rate in stipulated period (5)

Institute Marks : 2.92

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 seperated division, if applicable	198.00	144.00	205.00
Y Number of students who have graduated in the stipulated period	136.00	82.00	101.00
Success Index [SI = Y / X]	0.69	0.57	0.49

Average SI[(SI1 + SI2 + SI3) / 3]: 0.58

Assessment [5 * Average SI] : 2.92

Note : If 100% students clear without any backlog then also total marks scored will be 20 as both 4.2.1 & 4.2.2 will be applicable simultaneously.

4.3 Academic Performance in Second Year (10)

Total Marks 6.57

Institute Marks : 6.57

Academic Performance	CAYm2 (2020-21)	CAYm3 (2019-20)	LYG (2018-19)
Mean of CGPA or mean percentage of all successful students(X)	8.18	7.41	7.37
Total number of successful students (Y)	106.00	140.00	157.00
Total number of students appeared in the examination (Z)	138.00	158.00	169.00
API [X * (Y/Z)]	6.28	6.57	6.85

Average API [(AP1 + AP2 + AP3)/3] : 6.57

Assessment [AverageAPI] : 6.57

4.4 Placement, Higher Studies and Entrepreneurship (30)

Total Marks 29.20

Institute Marks : 29.20

Item	LYG(2018-19)	LYGm1(2017-18)	LYGm2(2016-17)
Total No of Final Year Students(N)	151.00	99.00	104.00
No of students placed in the companies or goverment sector(X)	141.00	88.00	98.00
No of students admitted to higher studies with valid qualifying scores(GATE or equivalent State or National Level tests, GRE, GMAT etc.) (Y)	6.00	1.00	2.00
No of students turned enterpreneur in engineering/technology (Z)	2.00	3.00	4.00
Placement Index [(X+Y+Z)/N] :	0.99	0.93	1.00

Average Placement [(P1 + P2 + P3)/3] : 0.97

Assessment [30 * Average Placement] : 29.20

Program Name : Civil Engg.
Assessment Year : 2021-22 (CAYm1)

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	ANNAVARAPU SRAVANI	18KQ1A0101	INFOSYS	1004421658
2	BADUGU RAJ KUMARI	18KQ1A0102	VIRTUSA	6-09-2022
3	BHAVANAM SIVA JYOTHI	18KQ1A0103	ASCENT EMPOWERING THOUGHTS	ACSPL/HRD/EOL/164131
4	BIJJAM INDRAVATHI	18KQ1A0104	INFOSYS	1003322556
5	BOREDDY KRISHNA VENI	18KQ1A0105	RISHISHWAR CONSTRUCTRON (P) LTD	6-07-2022
6	ARE AVINASH REDDY	18KQ1A0107	GALCON ENGINEERING & CONSTRUCTIONS LTD	15-10-2022
7	ARRIBOINA VENKATA GOPI	18KQ1A0108	SOOD ASSOCIATES PVT.LTD	23-08-2022
8	BAKKA PREM KUMAR	18KQ1A0109	GALCON ENGINEERING & CONSTRUCTIONS LTD	15-10-2022
9	BATHULA MANOHAR	18KQ1A0111	WIPRO	24342650
10	BELLAMKONDA BALAJI	18KQ1A0112	WIPRO	23517935
11	THATIPARTI SASI KUMAR REDDY	18KQ1A0113	GALCON ENGINEERING & CONSTRUCTIONS LTD	15-10-2022
12	BIRUDULA SAMUEL	18KQ1A0115	SPN ENGINEERING ASSOCIATES	15-06-2022
13	BODUGU YASWANTH	18KQ1A0116	ITS	14-07-2022
14	BOGANI NARESH	18KQ1A0117	SV CONSTRUCTIONS	15-09-2022
15	BOMMIDI BHAVESHKUMAR	18KQ1A0118	SPN ENGINEERING ASSOCIATES	15-06-2022
16	BRAHMANAKAKA VENKATESH	18KQ1A0119	ACCENTURE	C11684155
17	CHALLAGALI PRAVEEN	18KQ1A0120	SPN ENGINEERING ASSOCIATES	15-06-2022
18	CHIMALADINNE GOPINADH	18KQ1A0122	SOOD ASSOCIATES PVT.LTD	23-08-2022
19	CHINTALACHERUVU SAI TEJA	18KQ1A0123	SPN ENGINEERING ASSOCIATES	15-06-2022
20	CHUPPALA SRIHARI	18KQ1A0125	PACE INFRA	21-06-2022
21	D KARTHIK	18KQ1A0126	SV CONSTRUCTIONS	15-09-2022
22	DAMMU CHAKRI RAJ	18KQ1A0127	LANARSY	4-08-2022
23	VEMAVARAPU DEVADANAM	18KQ1A0128	GALCON ENGINEERING & CONSTRUCTIONS LTD	15-10-2022
24	PODILI BALAJI	18KQ1A0129	LANARSY	4-08-2022
25	DONDAPATI VENKATESWARLU	18KQ1A0130	LANARSY	4-08-2022
26	EADARA AJAY SHANKAR GANESH	18KQ1A0132	MEIL	Meil/APP1890/2021-22
27	GANDLA PEDA BABU	18KQ1A0133	ITS	14-07-2022
28	GANTA SURENDRA REDDY	18KQ1A0135	LANARSY	4-08-2022
29	KASI YASWANTH	18KQ1A0137	SV CONSTRUCTIONS	15-09-2022
30	GORANTLA VENKATA KRISHNA	18KQ1A0138	LANARSY	4-08-2022
31	GUMMA PEDDA KATAMRAJU	18KQ1A0141	LADER AND LAND SURVEYS	3-06-2022
32	KOTI VENKATA THANOOJ	18KQ1A0142	SV CONSTRUCTIONS	15-09-2022
33	GURIJALA PAUL DEVKUMAR	18KQ1A0143	LANARSY	4-08-2022
34	JETTIBOINA SIVAIAH	18KQ1A0147	RISHISHWAR CONSTRUCTRON (P) LTD	6-07-2022
35	MANDAVA MAHESH	18KQ1A0149	ELITE ENGINEERING AND & CONSTRUCTION PVT LTD	22-08-2022
36	MEENIGA BALA KASAIAH	18KQ1A0151	PACE INFRA	21-06-2022
37	NAGELLA ANAND BABU	18KQ1A0152	SPN ENGINEERING ASSOCIATES	15-06-2022
38	GOLI PAVAN KUMAR	18KQ1A0153	MEIL	Meil/APP1891/2021-22
39	NISSAMKAM SURESH	18KQ1A0154	SV CONSTRUCTIONS	15-09-2022
40	KAVALAKUNTLA NARESH	18KQ1A0156	LANARSY	4-08-2022
41	CHAVIDIBOINA VENKATA RAO	18KQ1A0158	ASCENT EMPOWERING THOUGHTS	ACSPL/HRD/EOL/164135
42	CHAMIREDDY NARENDRA	18KQ1A0164	SV CONSTRUCTIONS	15-09-2022
43	BETHA NARENDRA REDDY	18KQ1A0166	SPN ENGINEERING ASSOCIATES	15-06-2022
44	GUNTURU VAMSI KRISHNA	18KQ1A0167	WIPRO	24143559
45	KAKARLAPUDI JASWANTH VARMA	18KQ1A0168	NCC LIMITED	2-09-2022
46	KAKUMANU AJAY	18KQ1A0169	ELITE ENGINEERING AND & CONSTRUCTION PVT LTD	22-08-2022
47	KATAM SIVA SUBBA REDDY	18KQ1A0172	PACE INFRA	21-06-2022
48	KOMMU PRABHUDEVA	18KQ1A0173	WIPRO	24142360
49	KOMMU RAJKUMAR	18KQ1A0174	PACE INFRA	21-06-2022
50	KOSURI BHANU AKSHIT	18KQ1A0175	RISHISHWAR CONSTRUCTRON (P) LTD	6-07-2022
51	KOVURU TARA SASANK	18KQ1A0176	ELITE ENGINEERING AND & CONSTRUCTION PVT LTD	22-08-2022
52	LAKKAMRAJU KRISHNA VAMSI	18KQ1A0177	LADER AND LAND SURVEYS	2-06-2022
53	MADISETTI RAHUL SAI	18KQ1A0179	SOOD ASSOCIATES PVT.LTD	23-08-2022
54	MADUGULA GOPI KRISHNA	18KQ1A0180	GALCON ENGINEERING & CONSTRUCTIONS LTD	15-10-2022
55	DASARI ANVESH	18KQ1A0181	LADER AND LAND SURVEYS	2-06-2022
56	MANNAM MADHU	18KQ1A0183	RR PROJECTS	24-03-2022
57	MANNAM RAKESH	18KQ1A0184	WIPRO	24142459
58	MEENIGA SIVA	18KQ1A0186	LANARSY	4-08-2022

59	MUNGARA SAMUEL	18KQ1A0188	ELITE ENGINEERING AND & CONSTRUCTION PVT LTD	22-08-2022
60	NADIGADDA SRINU	18KQ1A0189	RISHISHWAR CONSTRUCTRON (P) LTD	6-07-2022
61	NAGANDLA LOKESH	18KQ1A0190	PACE INFRA	21-06-2022
62	NAMBURI KOTAIAH	18KQ1A0191	RISHISHWAR CONSTRUCTRON (P) LTD	6-07-2022
63	NANNASANI GURUKRISHNA	18KQ1A0192	WIPRO	24538715
64	PANDILLA VENKATA VINAY	18KQ1A0194	PACE INFRA	21-06-2022
65	PATTEM BRAMHA REDDY	18KQ1A0195	LANARSY	4-08-2022
66	PEETHA SRINIVASULU	18KQ1A0196	ARISTA SERVICES	5-08-2022
67	PESALA MAHESH	18KQ1A0198	WIPRO	24143269
68	PIDATHALA VENKATESWARLU	18KQ1A0199	PACE INFRA	21-06-2022
69	POTU PAVAN NARASIMHA KUMAR	18KQ1A01A3	ASCENT EMPOWERING THOUGHTS	ACSPL/HRD/EOL/164134
70	PULLALACHERUVU RAMAKRISHNA	18KQ1A01A4	ASCENT EMPOWERING THOUGHTS	ACSPL/HRD/EOL/164132
71	RAVULAPALLI SRI HARI	18KQ1A01A5	GALCON ENGINEERING & CONSTRUCTIONS LTD	15-10-2022
72	SHAIK MEERA AHAMMAD BASHA	18KQ1A01A8	PACE INFRA	21-06-2022
73	THANNEERU VENKATESH BABU	18KQ1A01A9	LADER AND LAND SURVEYS	2-06-2022
74	PUVVADA SUDHA GOWTHAM	18KQ1A01B0	SV CONSTRUCTIONS	15-09-2022
75	DUGGIRALA RAJITHA	18KQ1A01B3	ELITE ENGINEERING AND & CONSTRUCTION PVT LTD	22-08-2022
76	KILLARI PUJITHA	18KQ1A01B4	ACCENTURE	C11690015
77	KONCHA ANUSHA	18KQ1A01B6	INFOSYS	1004255522
78	MUNNANGI VINEETHA	18KQ1A01B7	ELITE ENGINEERING AND & CONSTRUCTION PVT LTD	22-08-2022
79	PATAN SHABANA	18KQ1A01B9	ITS	14-07-2022
80	SUDDAPALLI MOUNIKA	18KQ1A01C0	ITS	14-07-2022
81	RAYAPUDI DEEPAK	18KQ1A01C2	ARISTA SERVICES	5-08-2022
82	SANE ASHOK	18KQ1A01C3	RR PROJECTS	24-03-2022
83	SHAIK ABDUL RASHEED	18KQ1A01C6	PRANEETH GROUP	24-05-2022
84	SHAIK JALEEL AHMED	18KQ1A01C7	RISHISHWAR CONSTRUCTRON (P) LTD	7-07-2022
85	SHAIK MOHAMMED SALEEM	18KQ1A01C8	ELITE ENGINEERING AND & CONSTRUCTION PVT LTD	22-08-2022
86	SHAIK RAFI	18KQ1A01C9	LADER AND LAND SURVEYS	2-06-2022
87	SIBYALA VENKATA DILEEP KUMAR REDDY	18KQ1A01D0	RR PROJECTS	24-03-2022
88	NAINALA RAKESH`	18KQ1A01D1	PACE INFRA	21-06-2022
89	SURA KOTESWARA REDDY	18KQ1A01D3	RISHISHWAR CONSTRUCTRON (P) LTD	6-07-2022
90	SYED SHAHID	18KQ1A01D4	PRANEETH GROUP	24-05-2022
91	THALAKAYALA UDAY VARDHAN BABU	18KQ1A01D5	PACE INFRA	21-06-2022
92	THALLAPALLI UPENDRA	18KQ1A01D6	GALCON ENGINEERING & CONSTRUCTIONS LTD	15-10-2022
93	CHALLAGALI VENKATA NARASAIAH	18KQ1A01D7	PACE INFRA	21-06-2022
94	THORLIKONDA BRAHMENDRA	18KQ1A01D8	LANARSY	4-08-022
95	THOTA RAGHU VAMSI	18KQ1A01D9	WIPRO	24144339
96	THUMU MALLIKHARJUNA REDDY	18KQ1A01E0	CAPGEMINI	648366
97	UPPALAPATI RAVI KIRAN	18KQ1A01E1	ARISTA SERVICES	5-08-2022
98	VAYALA HANUMANTHA RAO	18KQ1A01E3	PACE INFRA	21-06-022
99	VEERLA MURALI BABU	18KQ1A01E4	WIPRO	22487821
100	VEMU GUNA SEKHAR	18KQ1A01E5	MEIL	Meil/APP1892/2021-22
101	YACHAVARAPU KAMAL KUMAR	18KQ1A01E6	LANARSY	4-08-2022
102	YADALA RAJA RATHAN POUWEL	18KQ1A01E7	ARISTA SERVICES	5-08-2022
103	ADUSUMALLI VAMSIKRISHNA	18KQ1A01E8	ELITE ENGINEERING AND & CONSTRUCTION PVT LTD	22-08-2022
104	MUNTHA JACOB	18KQ1A01F0	ARISTA SERVICES	6-08-2022
105	DASARI YUVARAJ	18KQ1A01F1	CAPGEMINI	650242
106	KONIKI SRINIVASULU	18KQ1A01F2	RISHISHWAR CONSTRUCTRON (P) LTD	6-07-2022
107	CHAVIDIBOINA VENKATA PAVAN KALYAN	18KQ1A01F3	LANARSY	04-08-2022
108	MEDAM MAHESWARA REDDY	18KQ1A01F4	NCC LIMITED	2-09-2022
109	MUNNANGI VIJAY	18KQ1A01F5	ASCENT EMPOWERING THOUGHTS	ACSPL/HRD/EOL/164136
110	OGIRALA RAJESWARI	18KQ1A01F6	TCS	DT20228215683
111	PARRE RAMYA	18KQ1A01F7	ARISTA SERVICES	5-08-2022
112	VIKRUTHI SAIMAYUKHA	18KQ1A01F8	ITS	14-07-2022
113	UPPU DIVYA	18KQ1A01F9	WIPRO	24151278
114	SHAIK ARSHIYA	18KQ1A01G0	PRANEETH GROUP	24-05-2022
115	PUVADA VAMSI	18KQ1A01G3	PACE INFRA	21-06-2022
116	GONGATI KARUNAKAR	18KQ1A01G4	PRANEETH GROUP	24-05-2022
117	NUSUM YOGI REDDY	18KQ1A01G5	NCC LIMITED	2-09-2022

118	ANGALAKURTHI AJAY KUMAR	18KQ1A01G6	ARISTA SERVICES	5-08-2022
119	YADLAPALLI DILEEP KUMAR	18KQ1A01G7	WIPRO	24142259
120	PATHAN AYESHA PARVEEN	19KQ5A0103	ASCENT EMPOWERING THOUGHTS	ACSPL/HRD/EOL/164133
121	BOOSI SAI KALYAN	19KQ5A0104	INFOSYS	1004400759
122	BANDI ANVESH	19KQ5A0105	WIPRO	24142279
123	YENDLURI RAMOJI RAO	19KQ5A0106	PACE INFRA	21-06-2022
124	NAYUDU KUMAR SWAMY	19KQ5A0108	RR PROJECTS	24-03-2022
125	BODI LAKSHMANRAO	19KQ5A0109	ADP PRIVATE LIMITED	11-01-2023
126	KONIKI KOTESWARA RAO	19KQ5A0110	WIPRO	24132159
127	KATTA PREM SAI	19KQ5A0111	SV CONSTRUCTIONS	15-09-2022
128	KUNCHALA SRINU	19KQ5A0112	ARISTA SERVICES	5-08-2022
129	SHAIK KHAJA MOINUDDIN	19KQ5A0113	PACE INFRA	21-06-2022
130	SHETTIPALLI YOGANAND	19KQ5A0114	ARISTA SERVICES	5-08-2022
131	DASARI RAVI VARMA	19KQ5A0115	CAPGEMINI	650255
132	Y VIJAY KUMAR	19KQ5A0116	SOOD ASSOCIATES PVT.LTD	23-08-2022
133	PONDURI RAGHU NADH REDDY	19KQ5A0118	PRANEETH GROUP	24-05-2022
134	AMANI SAI VAMSI	19KQ5A0119	WIPRO	24142630
135	PALETI KAMAL	19KQ5A0120	TCS	DT20228215448
136	PULLAMSETTI SUNIL KUMAR	19KQ5A0121	WIPRO	24107968
137	ILA BARATH REDDY	19KQ5A0122	WIPRO	24144828
138	BIJJAM SIVA KUMAR REDDY	19KQ5A0123	LADER AND LAND SURVEYS	2-06-2022
139	DARLA SAIKOUSHIK	19KQ5A0125	INFOSYS	1003256452
140	D PRAVEEN BABU	19KQ5A0127	LANARSY	4-08-2022
141	CHIRALA SREENU	19KQ5A0129	TCS	DT20228224554

Assessment Year : 2020-21 (CAYm2)

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	AVULA SRIMANNARAYANA	17KQ1A0178	PACE INFRA	14-09-2021
2	BALISETTY NAGA DINESH	17KQ1A0180	PACE INFRA	14-09-2021
3	CHATLA BORRAIAH	17KQ1A0181	RISHISHWAR CONSTRUCTRON (P) LTD	29-10-2021
4	DONEMPUDI KALYAN	17KQ1A0182	ITS	21-07-2021
5	GANUGAPANTA VINOD KUMAR	17KQ1A0183	PACE INFRA	14-09-2021
6	GOTTUMUKKALA RAVIDEVARAJU	17KQ1A0184	INFOSYS	1004201672
7	IJAJ AHMMED SHAIK	17KQ1A0185	PACE INFRA	14-09-2021
8	KALIKIVAI BALAJI	17KQ1A0186	INFOSYS	1004304787
9	KANDUKURI SRI VENKATA SIVA SAI KUMAR	17KQ1A0188	PACE INFRA	14-09-2021
10	KARANAM AKHIL	17KQ1A0189	PACE INFRA	14-09-2021
11	KOLAKALURI KOTESH RAJ	17KQ1A0191	PACE INFRA	14-09-2021
12	KOLAPALLI JYOTHI KIRAN	17KQ1A0192	INFOSYS	1004300795
13	MELAM VENKATA RAMANA	17KQ1A0194	PACE INFRA	14-09-2021
14	ORCHU RAJKUMAR	17KQ1A0197	SPN ENGINEERING ASSOCIATES	16-09-2021
15	PALLAPU PAVAN KALYAN	17KQ1A0198	RISHISHWAR CONSTRUCTRON (P) LTD	29-10-2021
16	PASAM SRINIVASA REDDY	17KQ1A0199	PACE INFRA	14-09-2021
17	PASUMARTHI PAUL SALOMAN RAJ	17KQ1A01A0	PACE INFRA	14-09-2021
18	POKALA VISWANATH REDDY	17KQ1A01A2	TCS	DT20219147750
19	POTHURAJU SARVESWARA RAO	17KQ1A01A3	PACE INFRA	14-09-2021
20	PRAJAPATHI KAILASH KUMAR	17KQ1A01A4	LANARSY	22-09-2021
21	SAIMPU GOPI KRISHNA	17KQ1A01A7	LADER AND LAND SURVEYS	7-10-2021
22	SAVANAM SAGAR	17KQ1A01A8	PACE INFRA	14-09-2021
23	SHAIK KARIMULLA	17KQ1A01A9	LADER AND LAND SURVEYS	7-10-2021
24	SHAIK RAHIM	17KQ1A01B1	ITS	21-07-2021
25	SHAIK SAMEERSURAJ	17KQ1A01B2	PACE INFRA	14-09-2021
26	THANNEERU DURGA PRAVEEN	17KQ1A01B3	WIPRO	22957735
27	NAGUBAMU YAHOSHUVA	17KQ1A01B8	LADER AND LAND SURVEYS	7-10-2021
28	TULASI SANATH SAI KUMAR	17KQ1A0156	PACE INFRA	14-09-2021
29	YADALA VENKATA NAGA SAI THARUN	18KQ5A0103	LADER AND LAND SURVEYS	7-10-2021
30	GUNDA PAVAN KALYAN	18KQ5A0104	LADER AND LAND SURVEYS	7-10-2021
31	THOLUCHURI KARTHIK	18KQ5A0105	ACCENTURE	C10146443
32	SHAIK KHASIM	18KQ5A0106	PACE INFRA	14-09-2021
33	MALLAVARAPU SRAVANI	18KQ5A0107	ITS	21-07-2021
34	DASARI SAILAJA	18KQ5A0109	ACCENTURE	C11145869
35	GUNTURI NAVEENA	18KQ5A0111	LANARSY	22-09-2021
36	MATLAPUDI KOTAIAH	18KQ5A0112	PACE INFRA	14-09-2021
37	A NAGARAJU	18KQ5A0115	MEIL	Meil/APP1670/2020-21
38	B AJAY KUMAR	18KQ5A0117	MEIL	Meil/APP1580/2020-21
39	KOYI PAVAN KUMAR	18KQ5A0118	LANARSY	22-09-2021
40	THANNIRU RAJKUMAR	18KQ5A0120	WIPRO	22987862
41	KOKKILIGADDA SUBBA RAO	18KQ5A0122	PACE INFRA	14-09-2021
42	BAIG ARSHIYA	17KQ1A0101	LANARSY	22-09-2021
43	BANAVATH SANDHYA	17KQ1A0102	WIPRO	22967645
44	GANDLA YESASWINI	17KQ1A0104	LANARSY	22-09-2021
45	KONDURU KOUSALYA	17KQ1A0105	SPN ENGINEERING ASSOCIATES	16-09-2021
46	KOVI RAJITHA	17KQ1A0106	TCS	DT20219147683
47	LANKAPOTHU VIDYA SREE	17KQ1A0107	ITS	21-07-2021
48	MENDEM MRUDULA	17KQ1A0108	LANARSY	22-09-2021
49	SHAIK HEENA	17KQ1A0110	TCS	DT20219200251
50	VUTIKONDA HEMA LATHA	17KQ1A0114	NCC LIMITED	11-11-2021
51	AREKONDA KESAVARAO	17KQ1A0115	LANARSY	22-09-2021
52	BATTULA SIVAIAH	17KQ1A0117	PACE INFRA	14-09-2021
53	CHEGUNDI MAHESH BABU	17KQ1A0119	SPN ENGINEERING ASSOCIATES	16-09-2021
54	DASARI PRASANTH	17KQ1A0123	NCC LIMITED	11-11-2021
55	GOLLAPOTHU ARUNKUMAR	17KQ1A0124	TCS	DT20229646297
56	KONDASINGU VENKATA ATCHYUTH KUMAR	17KQ1A0129	PACE INFRA	14-09-2021
57	KUDUMALA SURESH	17KQ1A0131	ACCENTURE	C10144765
58	KURAKULA SAI TEJA	17KQ1A0132	PACE INFRA	14-09-2021

59	NALLABOTHULA JASWANTH VENKATA CHENNU	17KQ1A0134	PACE INFRA	14-09-2021
60	NANDAMUDI VENKATA SIVAPRASAD	17KQ1A0135	TCS	DT20229689707
61	P PRADEEP KUMAR REDDY	17KQ1A0137	INFOSYS	1004302697
62	PALLAPOLU VENKAT SIVA SAI KUMAR REDDY	17KQ1A0138	INFOSYS	1004304689
63	PULI THRINADH KUMAR	17KQ1A0142	PACE INFRA	14-09-2021
64	RAMAVATH SAIDULU NAIK	17KQ1A0144	TCS	DT20229661215
65	SANAM AJAYKUMAR	17KQ1A0145	PACE INFRA	14-09-2021
66	SHAIK GOPIBASHA	17KQ1A0147	WIPRO	22896736
67	SRIKANTH ARIBOINA	17KQ1A0150	LANARSY	22-09-2021
68	TALAPALA VASANTHA KUMAR	17KQ1A0152	LANARSY	22-09-2021
69	THOLUCHURI VENKATESWARLU	17KQ1A0154	WIPRO	22956644
70	THONTLA NAGARJUNA REDDY	17KQ1A0155	NCC LIMITED	11-11-2021
71	UPPALA MANOJ KUMAR	17KQ1A0157	SPN ENGINEERING ASSOCIATES	16-09-2021
72	VALETI RAMBABU	17KQ1A0158	PACE INFRA	14-09-2021
73	VANKADAVATH RAMUDU NAIK	17KQ1A0159	NCC LIMITED	11-11-2021
74	YELAGALA VEERA NAGENDRA BABU	17KQ1A0160	PACE INFRA	14-09-2021
75	ANUVULASETTY ANJANI	17KQ1A0161	INFOSYS	1004300759
76	DEEPTHI YARAMALA	17KQ1A0162	NCC LIMITED	11-11-2021
77	KANDULA MANI MOUNIKA	17KQ1A0163	SPN ENGINEERING ASSOCIATES	16-09-2021
78	KOVURU SRIKEERTHANA	17KQ1A0164	SPN ENGINEERING ASSOCIATES	16-09-2021
79	LINGAMGUNTA FRUTI	17KQ1A0165	SPN ENGINEERING ASSOCIATES	16-09-2021
80	MODE VANAJA	17KQ1A0166	LANARSY	22-09-2021
81	NARAHARI AISHWARYA	17KQ1A0168	NCC LIMITED	11-11-2021
82	NATARI PRASANNA KUMARI	17KQ1A0169	INFOSYS	1004201658
83	RAMPATHOTI AMRUTHA	17KQ1A0171	RISHISHWAR CONSTRUCTRON (P) LTD	29-10-2021
84	TELLA SWAPNA	17KQ1A0172	INFOSYS	1004201856
85	UCHULURI GAYATHRI	17KQ1A0173	WIPRO	22997773
86	VALA HEMALATHA	17KQ1A0174	TCS	DT20219147593
87	ANUMOLU AJAYKUMARREDDY	17KQ1A0175	LADER AND LAND SURVEYS	7-10-2021
88	ARATIVEMULA SAIKRISHNA	17KQ1A0177	PACE INFRA	14-09-2021

Assessment Year : 2019-20 (CAYm3)

S.No	Student Name	Enrollment No	Employee Name	Appointment No
1	IDAMAKANTI HARITHA	16KQ1A0103	WIPRO	21947762
2	MUTHYALA VENKATA SRAVANI	16KQ1A0106	ASCENT EMPOWERING THOUGHTS	ACSPL/HRD/EOL/154135
3	PALETI HARITHA	16KQ1A0107	TCS	DT20195570538
4	VALICHERLA NAGALAKSHMI	16KQ1A0112	ACCENTURE	C97840102
5	VATTEM HIMA MAHESWARI	16KQ1A0113	LANARSY	27-11-2020
6	YANAMADNI TRIVENI	16KQ1A0114	SPN ENGINEERING ASSOCIATES	4-11-2020
7	DARAM VENKATA KRISHNA REDDY	16KQ1A0119	ASCENT EMPOWERING THOUGHTS	ACSPL/HRD/EOL/154132
8	DASARI RAGHUVEER	16KQ1A0120	ITS	15-09-2020
9	DEGA MADHAVA RAJU	16KQ1A0121	TCS	DT20195671782
10	EGA SAI	16KQ1A0122	INFOSYS	1003259845
11	GALAM ANIL KUMAR	16KQ1A0125	PACE INFRA	12-10-2020
12	GANDHAM VIJAYA BHASKAR	16KQ1A0126	ELITE ENGINEERING AND & CONSTRUCTION PVT LTD	22-10-2020
13	GANGIREDDY SANDEEPREDDY	16KQ1A0127	ELITE ENGINEERING AND & CONSTRUCTION PVT LTD	22-10-2020
14	KARUMUDI CHAITANYA	16KQ1A0134	LANARSY	27-11-2020
15	KONETI NAVEEN BABU	16KQ1A0138	PACE INFRA	12-10-2020
16	KUNCHALA MAHESH KUMAR	16KQ1A0139	PACE INFRA	12-10-2020
17	KUNCHALA RAJA	16KQ1A0140	RISHISHWAR CONSTRUCTRON (P) LTD	8-10-2020
18	NIDAMANURI CHIRANJEEVI	16KQ1A0143	SPN ENGINEERING ASSOCIATES	4-11-2022
19	RAMA MALLIKARJUNA RAO	16KQ1A0146	PACE INFRA	12-10-2020
20	SANIKOMMU MADHAVA	16KQ1A0148	PACE INFRA	12-10-2020
21	SK RABBANI	16KQ1A0154	ITS	15-09-2020
22	SYED KHALID	16KQ1A0155	PACE INFRA	12-10-2020
23	UMMADISETTY KALYAN BABU	16KQ1A0157	PACE INFRA	12-10-2020
24	VYZA VENKATA RAMESH REDDY	16KQ1A0159	PACE INFRA	12-10-2020
25	YESUPOGU SAI	16KQ1A0160	ELITE ENGINEERING AND & CONSTRUCTION PVT LTD	22-10-2020
26	GOLLA NAGANJALI	16KQ1A0161	SPN ENGINEERING ASSOCIATES	04-11-2020
27	GOTTU ROSHINI	16KQ1A0162	ASCENT EMPOWERING THOUGHTS	ACSPL/HRD/EOL/154133
28	GUNJI VINDHYALALASA	16KQ1A0163	WIPRO	21987766
29	GUTTI MAHALAKSHMI	16KQ1A0164	RISHISHWAR CONSTRUCTRON (P) LTD	8-10-2020
30	MANNE VIJAYA DURGA	16KQ1A0167	PRANEETH GROUP	15-10-2020
31	PALLAMREDDY LAKSHMISOWJANYA	16KQ1A0168	ACCENTURE	C97844116
32	RUDRU GAYATHRI	16KQ1A0169	TCS	DT20195671336
33	SHAIK SIMRAN	16KQ1A0170	SPN ENGINEERING ASSOCIATES	04-11-2020
34	ATMAKURI SIVA KRISHNA	16KQ1A0175	LANARSY	27-11-2020
35	CHINTHAGUNTLA HANOK	16KQ1A0177	ELITE ENGINEERING AND & CONSTRUCTION PVT LTD	22-10-2020
36	KOLLAM JOEL THEODORE	16KQ1A0185	ELITE ENGINEERING AND & CONSTRUCTION PVT LTD	22-10-2020
37	KOPERLA RAVI KIRAN	16KQ1A0186	ELITE ENGINEERING AND & CONSTRUCTION PVT LTD	22-10-2020
38	MADDULURI SRINIVASULU	16KQ1A0189	PACE INFRA	12-10-2020
39	MAKKENA PRABHUDASU	16KQ1A0190	TCS	DT20195570684
40	MANDLA AJAY KUMAR	16KQ1A0191	PACE INFRA	12-10-2020
41	ONGOLE VENKATESWARLU	16KQ1A0194	PACE INFRA	12-10-2020
42	ORSU RAJANI KANTH	16KQ1A0196	ITS	15-09-2020
43	PALETI VENKATA BHARGAV	16KQ1A0197	LANARSY	27-11-2020
44	PAMMI MADHUSUDANREDDY	16KQ1A0198	PACE INFRA	12-10-2020
45	PODILA LAKSHMAN	16KQ1A01A0	INFOSYS	1003249859
46	RAJAVOLU AMARANTH REDDY	16KQ1A01A3	ACCENTURE	C97844524
47	SAPPARA VENKAT RAO	16KQ1A01A4	ITS	15-09-2020
48	DEVARAPALLI SWARUPA	16KQ1A01B2	PRANEETH GROUP	15-10-2020
49	GOLAKARAM REVATHI SATYA PRIYAGOLAKARAM REVATHI SATYA PRIYA	16KQ1A01B3	LANARSY	27-11-2020
50	KAMBHALA APARNA	16KQ1A01B4	TCS	DT20195600748
51	MANCHALA PRIYANKA	16KQ1A01B6	ITS	15-09-2020
52	NAINALA ASRITHA	16KQ1A01B9	ELITE ENGINEERING AND & CONSTRUCTION PVT LTD	22-10-2020

53	PALLAPOLU GAYATHRI	16KQ1A01C0	RISHISHWAR CONSTRUCTRON (P) LTD	8-10-2020
54	PATNAM VENKATA SAI SRAVANI	16KQ1A01C1	INFOSYS	1003349670
55	RAVURI SAI SAMYUKTHA	16KQ1A01C2	ITS	15-09-2020
56	SHAIK ESHRATH FATIMA	16KQ1A01C3	ASCENT EMPOWERING THOUGHTS	ACSPL/HRD/EOL/154134
57	BOJJA KRISHNA	16KQ1A01C7	PACE INFRA	12-10-2020
58	CHAKKA SAINATH	16KQ1A01C9	LANARSY	27-11-2020
59	DASARI MANIKANTA	16KQ1A01D0	PACE INFRA	12-10-2020
60	ELURI VENKATA GIRIBABU	16KQ1A01D2	PACE INFRA	12-10-2020
61	MANNAM BHANU PRASAD	16KQ1A01E0	LANARSY	27-11-2020
62	MYLA PAVAN KUMAR	16KQ1A01E2	LANARSY	27-11-2020
63	PINISETTY SAI LOKESH	16KQ1A01E8	TCS	DT20195570636
64	RAMAVATH NAGA MALLESWAR NAIK	16KQ1A01E9	PACE INFRA	12-10-2020
65	YENUGULA SIVA	16KQ1A01F3	PACE INFRA	12-10-2020
66	THANNEERU VENKATA KALYAN	16KQ1A01F7	LANARSY	27-11-2020
67	UPPALAPATI RAVIKUMAR	16KQ1A01F8	PACE INFRA	12-10-2020
68	VELPULA SRIKANTH REDDY	16KQ1A01G0	PACE INFRA	12-10-2020
69	BAGIREDDY JYOTHY	17KQ5A0101	PRANEETH GROUP	15-10-2020
70	DEVARKONDA VISHNU PRIYA	17KQ5A0102	TCS	DT20195672654
71	RAYANA SOUNDRARYA	17KQ5A0103	PRANEETH GROUP	15-10-2020
72	UNNAM ROJA	17KQ5A0104	ITS	15-09-2020
73	APPALA UDAY SAI KUMAR	17KQ5A0106	PACE INFRA	12-10-2020
74	BANDI VENKATA SURESHBABU	17KQ5A0107	PACE INFRA	12-10-2020
75	BATTINI YASWANTH	17KQ5A0108	RISHISHWAR CONSTRUCTRON (P) LTD	8-10-2020
76	BERI CHANDRA SEKHAR	17KQ5A0109	MEIL	Meil/APP1580/2020-21
77	CHIKATI NAVEEN	17KQ5A0111	ITS	15-09-2020
78	CHEEMALAMARRI HABEEB	17KQ5A0112	PACE INFRA	12-10-2020
79	CHODABATHINA BRAHMATEJA	17KQ5A0113	PACE INFRA	12-10-2020
80	GUNJI BHANU TEJA	17KQ5A0115	RISHISHWAR CONSTRUCTRON (P) LTD	8-10-2020
81	HARIVARAM RAMESH	17KQ5A0116	PRANEETH GROUP	15-10-2020
82	KALLURI PEDA MALAKONDAIAH	17KQ5A0118	PACE INFRA	12-10-2020
83	KAMMALAPATI SANTHOSH	17KQ5A0119	SPN ENGINEERING ASSOCIATES	04-11-2020
84	KUNCHALA VENKATA PRASAD	17KQ5A0121	PACE INFRA	12-10-2020
85	MATTIPATI NARASIMHAM	17KQ5A0122	WIPRO	21987845
86	MELAM SIVANNARAYANA	17KQ5A0123	RISHISHWAR CONSTRUCTRON (P) LTD	8-10-2020
87	MIRIYALA SHANMUK SRINIVAS	17KQ5A0124	PACE INFRA	12-10-2020
88	PUVVADA BALA SAI KRISHNA	17KQ5A0125	PACE INFRA	12-10-2020
89	ALLA VENKATESH	17KQ5A0127	ELITE ENGINEERING AND & CONSTRUCTION PVT LTD	22-10-2020
90	PALAPARTHI VENKATARAO	17KQ5A0128	RISHISHWAR CONSTRUCTRON (P) LTD	8-10-2020
91	PILLI VIJAY PAUL	17KQ5A0132	MEIL	Meil/APP1670/2020-21
92	SARIDE MANOJ KUMAR	17KQ5A0134	RISHISHWAR CONSTRUCTRON (P) LTD	8-10-2020
93	SHAIK KHASIM	17KQ5A0135	RISHISHWAR CONSTRUCTRON (P) LTD	8-10-2020
94	SYED SHAHUL	17KQ5A0136	ASCENT EMPOWERING THOUGHTS	ACSPL/HRD/EOL/154137
95	VANGA GURU PRASAD	17KQ5A0137	PACE INFRA	12-10-2020
96	VARRA MASTHAN REDDY	17KQ5A0138	ELITE ENGINEERING AND & CONSTRUCTION PVT LTD	22-10-2020
97	TELLA MOSHE	17KQ5A0142	LANARSY	27-11-2020
98	VENNAPUSA NAGARJUNA REDDY	17KQ5A0143	PACE INFRA	12-10-2020

4.5 Professional Activities (20) Total Marks 2

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

Institute Marks :

Professional Activities

4.5.1Professional societies/chapters and organizing engineering events

A. Availability & activities of professional societies/chapters

ICI

Indian Concrete Institute is one of the leading professional bodies in India, catering to the professional needs of individuals and organizations involved in Concrete. ICI was formed in 1982 with around 500 members from 5 regional Centers. Today ICI is a strong professional body having more than 13, 000 enrolled members, from 45 regional Centres in all major cities, spread across the entire length and breadth of the country. To meet the objectives of ICI, the regional Centres conduct varieties of programs like Seminars, Workshops, Conferences, Exhibitions, etc. throughout the year. These are at both National and International level. Indian Concrete Institute (ICI) established student chapter with the department of Civil Engineering, PACE Institute of Technology & Sciences from November 2018.The department of Civil Engineering, PACE Institute of Technology & Sciences is an active member of ICI. The faculty members and students are actively involved in conducting and attending professional events to enhance the skills.

IGBC

The Indian Green Building Council (IGBC), part of the Confederation of Indian Industry (CII) was formed in the year 2001. The vision of the council is, "To enable a sustainable built environment for all and facilitate India to be one of the global leaders in the sustainable built environment by 2025". The department of Civil Engineering, PACE Institute of Technology & Sciences is an active member of IGBC The Indian Green Building Council (IGBC) established student chapter with the department of Civil Engineering, PACE Institute of Technology & Sciences from 2018.The faculty members and students are actively involved in conducting and attending professional events to enhance the skills.

IEI

The Institution of Engineers (India) [IEI] is the largest multi-disciplinary professional body of engineers, established in 1920 with its Headquarters located in Kolkata. IEI has been serving the engineering fraternity for over a Century with its national and international presence through 125 Centers spread all over India. IEI has been recognized as Scientific and Industrial Research Organization (SIRO) by the Ministry of Science & Technology. IEI issues membership certification to the eligible engineers, technologists and scientists. The Institution of Engineers (India) [IEI] established student chapter with the department of Civil Engineering, PACE Institute of Technology & Sciences from December 2022.

Consolidated list of events conducted

S No	Academic Year	Student Chapter	No. Of Events
1	2022-23 (Up to February)	IGBC	4
		ICI	6
		IEI	2
2	2021-22	IGBC	11
		ICI	9
3	2020-21	IGBC	10
		ICI	7
4	2019-20	IGBC	7
		ICI	9

B. **Number, quality of engineering events (organized at institute) (Level Institute/State/National/International)**

List of Guest lecturers/ webinars conducted by the Department

Academic Year:-2022-23 (Up to February)

S No	Date	Name of the Event	Nature of the Event	Student Chapter	No. of Participants	Resource Person	Level
1	15-7-2022	Decorative Concrete	Guest Lecture	IGBC	85	Dr. Venigalla Rao, Professor, Vignan University, Guntur	Institute
2	21-7-2022	Noise Control Of Buildings	Guest Lecture	ICI	91	Dr. A. Aravindan, Professor, KLU, Vijayawada	Institute
3	29-7-2022	Quiz on Structural Analysis	Quiz	ICI	72		State
4	26-8-2022	Application of Robotics and Automation In Civil Engineering	Seminar	ICI	111	1. Dr. P.V.Subba Reddy, Professor, NBKR Institute Of Science And Technology, Nellore 2. Dr. R. Shalini nair, Assistant Professor, Hindustan Institute of Technology And Sciences, Tamil Nadu	National
5	29-8-2022	Awareness Program On GATE Exam In Civil Engineering	Guest lecture	IGBC	120	S. Manimohan Trinath, GATE/ ESE Trainer, ACE Engineering Academy, Hyderabad, Telangana	Institute
6	29-8-2022	Innovative Technology in Civil Engineering Construction	Seminar	ICI	115	1. Dr. T. Chandrashekar rao. Professor, Bapatla Engineering College , Bapatla 2. Dr. A. Srinivasulu, Professor, Gudlavalleru Engineering College, Gudlavalleru	Institute
7	15-9-2022	Modular Building Construction	Guest Lecture	IGBC	96	Dr. P. Sundara Kumar,Professor ,Bapatla Engineering College, Bapatla	Institute
8	17-12-2022	GGBS for Strong, Durable, Sustainable & Green Concrete Construction	Seminar	ICI	151	1. Mr. K. Raghava Hari Narayana ,Area Sales Manager ,AP 2. Mr. M. Yaswanth ,Area Sales Manager,AP	International
9	24-01-2023	Noise less Pavements	Guest Lecture	IEI	81	Dr. C.N.V. Satyanarayana Reddy, Professor, Andhra university	Institute

10	20-2-2023	Advance Techniques in Waste Water Treatment	Guest lecture	IGBC	58	V. Sarath Babu, Head R&D and Projects, Akshaya Innotech, Vijayawada	Institute
11	21-2-2023	The concrete quiz	Quiz	ICI	79		National
12	28-2-2023	National Science day	Debate, Group Discussion, JAM	IEI	75		State

Academic Year:-2021-22

S No	Date	Name of the Event	Nature of the Event	Student Chapter	No. of Participants	Resource Person	Level
1	18-10-2021	Sludge Management Techniquis	Guest Lecture	IGBC	71	Dr. CH Prem kumar, Professor, ST. Anns college of engineering & Technology, Chirala	Institute
2	08-11-2021	Intelligent Irrigation	Guest Lecture	IGBC	64	Dr P Naga Sowjanya, Professor, Narasaraopet engineering college, Narasaraopet	Institute
3	12-11-2021	Managing Environment through Green Buildings	Webinar	IGBC	75	Dr. N.Ruben,Professor, Vignan University,Guntur	National
4	29-11-2021	Soil Cement in Construction	Guest Lecture	ICI	71	Dr. Ramamohana Reddy B, Assoc. Professor, Aditya Engineering College, Rameswaram Peta	Institute
5	06-12-2021	Quiz on Strength of Materials	Quiz	ICI	41		State
6	11-12-2021	Application of GPS Information	Guest Lecture	IGBC	68	Dr. V. Ramakrishna, professor, LRBR College of engineering, Vijayawada	Institute
7	18-12-2021	Advance Construction Techniques	Workshop	ICI	79	1.Dr.A.Meena,Professor, VIT Vellore, 2. Dr. ch prem kumar, Professor, st. anns college of engineering & Technology, Chirala	National
8	27-12-2021	Jet Grouting	Guest Lecture	ICI	71	Dr. P.V.Subba Reddy, Professor, NBKR institute of science and technology, Nellore	Institute
9	08-01-2022	Applications of EIA	Seminar	IGBC	75	1. Dr. K.s. Sairam, professor, RVR & JC College of engineering, Guntur 2. Dr.MLV Prasad ,Professor,Nit Silchar	Institute
10	25-02-2022	Green concepts and Techniques in construction of new building	Guest Lecture	IGBC	86	Dr.M.Jagapathi Raju, Professor, SRKR engineering college Bhimavaram,	Institute
11	14-03-2022	Green global for existing building	Guest Lecture	IGBC	97	Dr M.Janardhan yadav ,Professor, JNTUK	Institute
12	31-03-2022	Career Opportunities in Civil	Webinar	ICI	99	Dr. A. Srinivasulu, Professor, Gudlavalleru engineering college, Gudlavalleru	National
13	16-04-2022	Aim Your Goal through Civil Engineering	Guest Lecture	ICI	89	Dr. M. Ravindhra Krishna, Professor, Guntur Engineering College, Guntur	Institute
14	28-04-2022	Stabilization Of Soft Soil	Guest Lecture	IGBC	98	Dr Viswaroopa Rani , Professor ,JNTUK	Institute
15	29/4/2022 to 30/04/2022	Innovative Technology and Sustainable development in Engineering	Conference	IGBC	202	1.Dr. T.D Gunneswara Rao, Professor, NIT Warangal 2. Dr.K.Srinivasa Rao, Professor, Andhra University 3. Dr. V Srinivasa Rao, Professor, JNTUK	Institute
16	02-05-2022	Design of Residential Building	Guest Lecture	ICI	91	Dr. Ch. Nagasatish Kumar, Professor, Bapatla Engineering College, Bapatla	Institute
17	09-05-2022	Design and Estimation of Ready Mix Concrete Plants	Seminar	ICI	107	1.Sri R. Surendra babu, Assoc.professor, RVR & JC College of engineering, Guntur, 2:Dr.K.Srinivasarao,professor, Andhra university collage of engineering, Vizag	International
18	13-05-2022	Quiz on Geotechnical Engineering	Quiz	IGBC	44		National
19	23-5-2022	Highway Alignment Optimization Incorporation Bridges And Tunnels	Guest Lecture	IGBC	95	Dr. P. Sundara Kumar,Professor Bapatla Engineering College, Bapatla	Institute
20	28-5-2022	Micro piles	Webinar	ICI	98	Dr. J. Usha Kranthi, Assoc.Professor, RVR & JC College of Engineering, Guntur	National

Academic Year:-2020-21

S No	Date	Name of the event	Nature of the event	Student Chapter	No. of Participants	Resource Person	Level

1	10-07-2020	Treatment of Industrial Waste	Guest Lecture	IGBC	71	Dr. A. Srinivasulu, Professor, Gudlavalleru Engineering College, Gudlavalleru	Institute
2	01-08-2020	An Innovation of Smart Materials and its Applications in Civil Engineering	Webinar	ICI	72	Dr.A.S Santhi,Professor, VIT Vellore	National
3	03-08-2020	Identification Of Wastershed by Using RS&GIS	Guest Lecture	IGBC	78	Dr P Naga Sowjanya, Professor, Narasaraopet Engineering College, Narasaraopet	Institute
4	23-08-2020	Plastic as a Soil Stabilizer	Guest Lecture	IGBC	69	Dr. Durbha Srinivas, NBKR Institute of Science and Technology, Nellore	Institute
5	14-09-2020	The Design Quiz	Quiz	ICI	39		State
6	19-09-2020	Application of GPS in Civil Engineering	Guest Lecture	IGBC	77	Dr. M. Ravindhra Krishna, Professor, Guntur Engineering College, Guntur	Institute
7	05-10-2020	Ground Freezing	Guest Lecture	IGBC	81	Dr. K.S. Sairam, Professor, RVR & JC College of Engineering, Guntur	Institute
8	16-11-2020	Detecting Multi-Passage Leakage In Dam By Temperature In Bores	Guest Lecture	IGBC	71	Dr. CH Prem Kumar, Professor, ST. Anns College Of Engineering & Technology, Chirala	Institute
9	05-12-2020	Design And Analysis Of Residential Building	Guest Lecture	ICI	70	Dr. J. Venkateswarar ao, Professor, LRBR College of Engineering, Vijayawada	Institute
10	23-01-2021	Latest Design Methods Of Run Way Pavement	Guest Lecture	ICI	77	Dr.M.Jagapath i Raju, Professor, SRKR engineering college, Bhimavaram	Institute
11	24-01-2021	Project Management Tools	Guest Lecture	ICI	77	Dr. J. Usha Kranthi, Assoc.Professor, RVR & JC College Of Engineering, Guntur	Institute
12	13-02-2021	Design of Commercial Building by Steel Structures	Seminar	ICI	65	1.Dr. Ramamohana Reddy B, Assoc. Professor,Aditya Engineering College, Rameswaram Peta, 2. Dr.Viswaroopa Rani,JNTUK	Institute
13	20-02-2021	Innovatine Techniques Used For Hazardous Waste Management	Guest Lecture	IGBC	67	Dr. CH. Maruthi Devi, Professor, Bapatla Engineering College, Bapatla	Institute
14	31-03-2021	Investigation of Strength Properties of Black Cotton Soil Stabilised With Fly Ash and Geo Reinforcement	Seminar	ICI	91	Dr. P.V.Subba Reddy, Professor, NBKR Institute of Science And Technology, Nellore 2. Dr.Mjanardhan Yadav, JNTUH	International

15	12-04-2021	Basic Civil engineering Quiz	Quiz	IGBC	36		National
16	15-04-2021	Application of Membrane Technology in Water Management	Seminar	IGBC	74	1.Sri R. Surendra babu, Assoc.professor, RVR & JC College of engineering, Guntur, 2.Dr.MLV Prasad,NIT Silchar	Institute
17	21-04-2021	Water Quality Management of Rooftop Rainwater Harvesting System	Seminar	IGBC	82	Dr. P. Sundara Kumar,Professor bapatla engineering college, 2.Dr.K.Srinivasara, Professor, Andhra university	National

Academic Year:-2019-20

S No	Date	Name of the event	Nature of the event	Student Chapter	No. of Participants	Resource Person	Level
1	20-06-2019	Detecting Multi-Passage Leakage in Dam by Temperature in Bores	Guest Lecture	IGBC	80	Dr. P.V.Subba Reddy, Professor, NBKR Institute Of Science And Technology, Nellore	Institute
2	24-07-2019	Application of matrix methods	Guest Lecture	ICI	82	Dr. K.s. Sairam, professor, RVR & JC College Of Engineering, Guntur	Institute
3	08-08-2019	Bamboo As Building Material	Guest Lecture	ICI	76	Dr. M. Ravindhra Krishna, Professor , Guntur Engineering College, Guntur	Institute
4	12-08-2019	Design of RCC Elements for Single Storied Building	Guest Lecture	ICI	75	Dr. J. Venkateswararao, Professor, LRBR College Of Engineering ,Vijayawada	Institute
5	17-09-2019	The Quiz on Design of Reinforced concrete structures	Quiz	ICI	42		National
6	21-09-2019	Survey the College Campus By Using Plane Table	Workshop	IGBC	98	1.Dr.S.Shankar, Assoc.professor, NIT Warangal, 2. Mr.D. Srinivasa Reddy, Proprietor, Hyderabad	National
7	23-09-2019	Disentangling the Oceanic Current	Guest Lecture	IGBC	81	Dr. A. Srinivasulu, Professor, Gudlavalleru Engineering College, Gudlavalleru	Institute
8	04-10-2019	Commercial Harbours	Guest Lecture	IGBC	70	Dr.M.Jagapathi Raju, Professor, SRKR Engineering College, Bhimavaram	Institute
9	10-12-2019	Design and Analysis of Residential Building	Webinar	ICI	78	Dr.N.Ruben,Professor, Professor Vignan University,Guntur	Institute
10	12-12-2019	Advance Construction Methods	Guest Lecture	ICI	83	Dr. CH Prem Kumar, Professor, ST. Anns College Of Engineering & Technology, Chirala	Institute
11	12-12-2019	Design of Commercial Building by Steel Structures	Guest Lecture	ICI	68	Dr. RAMAMOHANA REDDY B, Assoc. Professor, Aditya Engineering College, Rameswaram Peta	Institute
12	08-01-2020	Fibre reinforced soil	Guest Lecture	IGBC	81	Dr. K.S. Sairam, Professor, RVR & JC College of Engineering, Guntur	Institute
13	03-02-2020	Analysis of single storied building elements	Guest Lecture	ICI	76	1.Dr. Ch. Nagasatish Kumar, Professor,Bapatla Engineering College, 2.Dr Viswaroopa Rani , professor JNTUK	Institute
14	21-2-2020	River Training Works By Using Computer Application	Guest Lecture	IGBC	83	Dr P Naga Sowjanya, Professor, Narasaraopet Engineering College, Narasaraopet	Institute
15	24-2-2020	The Structural Quiz	Quiz	IGBC	32		State

16	29-2-2020	Advance pavement design	Seminar	ICI	107	1.Dr.M.Jagapathi Raju, Professor, SRKR Engineering College Bhimavaram 2. Dr M.Janardhan Yadav ,Professor , JNTUK	International

4.4.2 Publication of technical magazines, newsletters, etc. (5) Institute Marks :

Publication of technical magazines, newsletters, etc.

Technical Magazines:

The department of Civil Engineering, PACE Institute of Technology & Sciences publishes magazines yearly once. In this magazines details regarding to Department Vision & Mission, Department Achievements, MoUs Signed by Department, List of Events conducted by department, Student Participations & Achievements, Faculty achievements and Toppers list are published.

S. No.	Academic Year		Issue No	Name of the Magazine	Name of the Editor(s)
1	2019-2020	Yearly Magazine	01	Civil Cloud	Dr. Thirunavukkarasu.N (Professor) Mr. K.Ashok Kumar (Assistant Professor) M.Niveditha (II Year student), P.Mahesh (II Year student) K.Rajitha (III Year student), K.Harsha Vardhan Reddy (III Year student) U. Lakshmi Sirisha (IV Year Student)
2	2020-2021		01	Reflecto Civil	Dr . Gandhavalla Madhava Rao (Professor) Mr. A.Srujan Kumar (Assistant Professor) R.Madhuri (II Year student), CH.Tharun Kumar (II Year student) P.Srilatha (III Year student), T.Upendra (III Year student) V.Hemalatha (IV Year Student)
3	2021-22		01	Civil Buzz	Dr . R. Balamuragan (Professor) Mr. CH.Sandeep Reddy (Assistant Professor) K.Nandini (II Year student), D.Ravi Prakash (II Year student) S.Gayathri (III Year student), I.Vishnu Vardhan Rao (III Year student) CH Sreenu (IV Year Student)

Newsletters:-

The department of Civil Engineering, PACE Institute of Technology & Sciences publishes newsletters for every month. Students from II,III & IV Years participate effectively in Editorial board of Monthly Newsletters. They play a crucial role in the preparation of Monthly Newsletters.

In this newsletter the following details are included

(i) Department contributions:-

(a) Achievements

(b) MoUs Signed by Department

(c) Consultancy works

(d) List of Events organized by department

(ii) Faculty contributions

(a) Conferences attended

(b) Publications

(c) Memberships

(d) Participations

(e) Awards & Incentives

(iii) Student contributions

(a) Co curicular and Extra curricularActivities

(b) Awards & Incentives

(c) Industrial visits

(d) Interactions

(e) Value added courses

(iv) Latest trending concepts in Civil Engineering

4.4.3 Participation in inter-institute events by students of the program of study (10) Institute Marks : 1

Participation in inter-institute events by students of the program of study

The department of Civil Engineering in PACE ITS encourages students to participate in various events taking place in our state and out of state. So many of our students performed well in the events and achieved good achievements in the events. The details of students partcipation in inter-institute events within the state and out of the state, Students achievements in inter-institute events within the state and out of the state in the cademic years 2021-22,2020-21,2019-18 are are mentioned below,

Students Participation (within state/Other state)

S.No	Academic year	Total No. of Participation certificates	No. of participation certificates from with in the state	No. of participation certificates from other states
1	2022-23 (Up to February)	96	59	37
2	2021-22	210	140	70
3	2020-21	186	124	62
4	2019-20	174	117	57

Students Achievements (within state/Other state)

S No	Academic year	Total No. of Achievement certificates	No. of Achievement certificates from with in the state	No. of Achievement certificates from other states
1	2022-23 (Up to February)	40	28	12
2	2021-22	108	72	36
3	2020-21	92	64	28
4	2019-20	83	59	24

5 FACULTY INFORMATION AND CONTRIBUTIONS (200) Total Marks 191.44

Sr. No	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	Association Type	At present working with the Institution (Yes / No)	D L
1	R. Balamuragan	DVCPB6950G	ME/M. Tech and PhD	01/09/2012	Structural Engineering	6	0	0	Professor		22/07/2019	Regular	Yes	
2	Thirunavukkarasu.N	BNGPT9876F	ME/M. Tech and PhD	01/12/2009	Environmental Engineering	7	0	0	Professor		23/08/2019	Regular	Yes	
3	Chandramouly V J	AMZPC8052H	ME/M. Tech and PhD	30/07/2016	Structural Engineering	8	0	0	Associate Professor		20/01/2020	Regular	Yes	
4	Sivasubramanian R	BJPPS9888B	ME/M. Tech and PhD	30/07/2016	Structural Engineering	6	0	0	Associate Professor		20/12/2019	Regular	Yes	
5	Gandhavalla Madhava rao	AFQPG7712Q	ME/M. Tech and PhD	15/06/2011	Structural Engineering	10	0	0	Professor		19/08/2019	Regular	Yes	
6	K Harish	ADKPH8890C	ME/M. Tech and PhD	01/07/2016	Construction Technology	8	0	0	Associate Professor		19/08/2019	Regular	Yes	
7	Thirumalai raja.R	AKLPR6907N	ME/M. Tech and PhD	01/06/2016	Structural Engineering	9	0	0	Associate Professor		26/08/2019	Regular	Yes	
8	Manikandan.C	BEUPM4475C	ME/M. Tech and PhD	01/12/2018	Structural Engineering	7	0	0	Associate Professor		20/01/2020	Regular	Yes	
9	Adaikkalakumar P	BQLPA3034L	ME/M. Tech and PhD	01/02/2016	Construction Engineering & Management	8	0	0	Associate Professor		02/09/2019	Regular	Yes	
10	Karthik C	GRMPK7865H	ME/M. Tech and PhD	01/12/2021	Environmental Engineering	8	0	0	Assistant Professor		01/11/2021	Regular	Yes	
11	Satheti.Reddemma	ARFPS6693H	M.E/M.Tech	04/04/2007	Environmental Engineering	1	0	0	Assistant Professor		07/06/2017	Regular	Yes	
12	Pappula Ravi Kumar	BVMPP8926Q	M.E/M.Tech	04/01/2016	Structural Engineering	4	0	0	Assistant Professor		01/06/2016	Regular	Yes	
13	Magathoti Sri Durga Vara Prasad	DAGPM4584J	M.E/M.Tech	05/06/2017	Structural Engineering	10	0	0	Assistant Professor		01/11/2017	Regular	Yes	
14	Siva Puram Venkata Naga Anil Vamsi	EYSPS0159G	M.E/M.Tech	15/09/2015	Highway Engineering	1	0	0	Assistant Professor		19/11/2016	Regular	Yes	
15	Sane Anka Rao	EQZPR0409H	M.E/M.Tech	20/06/2019	Structural Engineering	2	0	0	Assistant Professor		23/10/2019	Regular	Yes	
16	Mupparaju Kranthi Kumar	FPAPM8409F	M.E/M.Tech	08/11/2017	Transportation Engineering	2	0	0	Assistant Professor		17/10/2019	Regular	Yes	
17	Addanki Srujan Kumar	BYTPA3943A	M.E/M.Tech	12/04/2019	Structural Engineering	2	0	0	Assistant Professor		22/11/2019	Regular	Yes	
18	Kothanuru Ashok Kumar	EGEPK7859F	M.E/M.Tech	06/03/2019	Structural Engineering	1	0	0	Assistant Professor		06/05/2019	Regular	Yes	
19	Bodapati Sandhya Rani	BIBPB0949P	M.E/M.Tech	13/10/2017	Structural Engineering	2	0	0	Assistant Professor		22/11/2018	Regular	Yes	
20	Chidella Dinesh Chandra	BNQPC7673F	M.E/M.Tech	17/08/2018	Urban Planning	1	0	0	Assistant Professor		22/11/2019	Regular	Yes	
21	Medagam VenkataNaga Siva Sankar Reddy	CLPPM5316P	M.E/M.Tech	02/02/2019	Computer Aided Structural Engineering	3	0	0	Assistant Professor		22/11/2019	Regular	Yes	
22	Goli Naga Malleswara Rao	CAGPG0965E	M.E/M.Tech	12/04/2018	Structural Engineering	0	0	0	Assistant Professor		22/11/2019	Regular	No	3
23	Ch. Srikanth	AVXPC2495H	M.E/M.Tech	04/05/2018	Structural Engineering	1	0	0	Assistant Professor		22/11/2019	Regular	Yes	
24	Narisetty Srikanth	AUPPN4646J	M.E/M.Tech	16/05/2016	Structural Engineering	1	0	0	Assistant Professor		17/08/2018	Regular	Yes	
25	Challa Sandeep Reddy	BWOPC7488K	M.E/M.Tech	15/07/2020	structural engineering and natural disaster management	2	0	0	Assistant Professor		29/09/2020	Regular	Yes	
26	Gurrala Ezri Babu	BRSPG8096E	M.E/M.Tech	15/11/2017	Structural Engineering	2	0	0	Assistant Professor		03/06/2019	Regular	Yes	
27	Erla Mani	ACXPE5546Q	M.E/M.Tech	04/11/2020	Structural Engineering	3	0	0	Assistant Professor		01/12/2020	Regular	Yes	
28	Kannela Edukondalu	ABYPE9060F	M.E/M.Tech	04/11/2020	Structural Engineering	1	0	0	Assistant Professor		01/12/2020	Regular	Yes	
29	Turlapati Udaya Durga	BBLPT2893K	M.E/M.Tech	17/08/2018	Structural Engineering	0	0	0	Assistant Professor		13/05/2019	Regular	Yes	
30	Gundalagunta Bathi Reddy	DDKPR3195H	M.E/M.Tech	20/08/2020	construction planning and management	1	0	0	Assistant Professor		29/09/2020	Regular	Yes	

31	Kaidupalli Rambabu	BDSPK8588B	M.E/M.Tech	02/02/2017	Structural Engineering	1	0	0	Assistant Professor		29/06/2020	Regular	Yes	
32	Kola Sumanth Kumar	CJBPK9820Q	M.E/M.Tech	16/10/2017	Soil Mechanics and Foundation Engineering	1	0	0	Assistant Professor		29/06/2020	Regular	Yes	
33	Soundarya Kasukurthi	OHDPS5655F	M.E/M.Tech	15/04/2022	Structural Engineering	1	0	0	Assistant Professor		01/07/2022	Regular	Yes	
34	Kallagunta Manoj Kumar	ENJPK8647H	M.E/M.Tech	04/03/2022	Structural Engineering	0	0	0	Assistant Professor		01/07/2022	Regular	Yes	
35	Kota Sai Manohar	ENSPK1851A	M.E/M.Tech	12/11/2021	Structural Engineering	1	0	0	Assistant Professor		25/02/2022	Regular	Yes	
36	Adusumalli Manikanta	CDNPA0715J	M.E/M.Tech	12/11/2021	Transportation Engineering	1	0	0	Assistant Professor		13/07/2022	Regular	Yes	
37	L Rama Prasad Reddy	ADHPL1291Q	ME/M. Tech and PhD	01/03/2019	Structural Engineering	7	0	0	Associate Professor	22/03/2021	14/05/2018	Regular	Yes	
38	Ganesh Naidu Gopu	BIPPG8432G	M.E/M.Tech	15/03/2014	Structural Engineering	39	0	0	Assistant Professor		19/05/2014	Regular	Yes	
39	A Ranganathan	AFQPR0755N	ME/M. Tech and PhD	01/04/2014	Structural Engineering	14	0	0	Professor		17/06/2019	Regular	Yes	
40	Nissi P	CJIPP8210N	ME/M. Tech and PhD	15/11/2019	Structural Engineering	1	0	0	Associate Professor	22/03/2022	02/09/2019	Regular	No	0
41	Priyanka Nagasuri	BDCPN3751M	M.E/M.Tech	16/05/2016	Structural Engineering	1	0	0	Assistant Professor		26/10/2016	Regular	No	2
42	Venkamsetty Rushendramani	AZSPV1428L	M.E/M.Tech	15/07/2014	Structural Engineering	1	0	0	Assistant Professor		09/03/2018	Regular	Yes	
43	Nimmalapalli Narendra	BIVPN2088M	M.E/M.Tech	04/11/2020	Structural Engineering	1	0	0	Assistant Professor		01/12/2020	Regular	No	2
44	Golusu Murali Krishna	CQOPG2719N	M.E/M.Tech	16/11/2020	Transportation Engineering and Management	0	0	0	Assistant Professor		08/12/2020	Regular	No	2
45	Boddu Suchitra	ECKPB1149H	M.E/M.Tech	15/05/2020	Structural Engineering	0	0	0	Assistant Professor		30/05/2020	Regular	No	2
46	Srinivasa Rao Dasari	ALQPD1015M	M.E/M.Tech	04/01/2011	Environmental Management	0	0	0	Assistant Professor		06/09/2012	Regular	No	2
47	Birudula Nageswara Rao	CPUPB5557E	M.E/M.Tech	15/11/2017	Structural Engineering	1	0	0	Assistant Professor		21/12/2017	Regular	Yes	

5.1 Student-Faculty Ratio (SFR) (20) Total Marks 20.00

Institute Marks : 20

UG

No. of UG Programs in the Department 1

CIVIL 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	120	2	180	13	180	18
3rd Year	180	13	180	18	180	18
4th Year	180	18	180	18	180	0
Sub-Total	**480**	**33**	**540**	**49**	**540**	**36**
Total	**513**		**589**		**576**	
Grand Total	513		589		576	

PG

No. of PG Programs in the Department 1

STRUCTURAL ENGINEERING			
Year of Study	**CAY(2022-23)**	**CAYm1(2021-22)**	**CAYm2 (2020-21)**
	Sanction Intake	**Sanction Intake**	**Sanction Intake**
1st Year	18	18	18
2nd Year	18	18	18
Total	**36**	**36**	**36**
Grand Total	36	36	36

SFR

No. of UG Programs in the Department 1

No. of PG Programs in the Department 1

Description	**CAY(2022-23)**	**CAYm1 (2021-22)**	**CAYm2 (2020-21)**
Total No. of Students in the Department(S)	549 **Sum total of all (UG+PG) students**	625 **Sum total of all (UG+PG) students**	612 **Sum total of all (UG+PG) students**
No. of Faculty in the Department(F)	40 **F1**	43 **F2**	42 **F3**
Student Faculty Ratio(SFR)	13.73 **SFR1=S1/F1**	14.57 **SFR2=S2/F2**	14.53 **SFR3=S3/F3**
Average SFR	14.28 **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)	40	0
CAYm1(2021-22)	43	0
CAYm2(2020-21)	42	0

Average SFR for three assessment years : 14.28

Assessment SFR : 20

5.2 Faculty Cadre Proportion (20) Total Marks 20.00

Institute Marks : 20.00

Year	Professors		Associate Professors		Assistant Professors	
	Required F1	Available	Required F2	Available	Required F3	Available
CAY(2022-23)	3.00	4.00	6.00	7.00	18.00	29.00
CAYm1(2021-22)	3.00	4.00	6.00	7.00	20.00	32.00
CAYm2(2020-21)	3.00	4.00	6.00	6.00	20.00	32.00
Average Numbers	3.00	4.00	6.00	6.67	19.33	31.00

Cadre Ratio Marks [(AF1 / RF1) + [(AF2 / RF2) * 0.6] + [(AF3 / RF3) * 0.4]] * 10 : 20.00

5.3 Faculty Qualification (20)

Total Marks 16.44

Institute Marks : 16.44

	X	Y	F	FQ = 2 x [(10X + 4Y) / F)]
2022-23(CAY)	12	28	27.00	17.19
2021-22(CAYm1)	13	30	31.00	16.13
2020-21(CAYm2)	12	30	30.00	16.00

Average Assessment : 16.44

5.4 Faculty Retention (10)

Total Marks 10.00

Institute Marks : 10.00

Description	2021-22 (CAYm1)	2022-23 (CAY)
No of Faculty Retained	42	35
Total No of Faculty	42	42
% of Faculty Retained	100	83

Average : 92.00

Assessment Marks : 10.00

5.5 Faculty competencies in correlation to Program Specific Criteria (10)

Total Marks 10.00

Institute Marks : 10.00

The Department of Civil Engineering is indeed a broad department with many subspecialties, including structural engineering, transportation engineering, environmental engineering, construction technology& management, geotechnical engineering, water resource engineering& Geomatics, Computer Aided Designs & Drafting.

Faculty members'competencies expertise in their respective fields to Create Civil Engineering Professionals succeed academically and get ready to Serve for industrial and Societal needs.

Faculty members regularly contribute to the industries as consultants and publish their research in peer-reviewed journals to demonstrate consistent advancement in their fields. The program-specific requirements are associated with faculty members specialization-related competences, research publications, book publishing, course developments, and refereed journal papers for peer-reviewed journals in particular domains, as indicated in the table below.

List of Courses Under Program Specific Criteria

- Structural Engineering
- Environmental Engineering
- Geotechnical Engineering
- Transportation Engineering
- Water Resource & Irrigation Engineering
- Geomatics
- Construction Technology & Management
- Computer Aided Design & Drafting

Table 5.5.1: Faculty Competency in correlation to Specilization, Publications,Course Development, Projects Handled

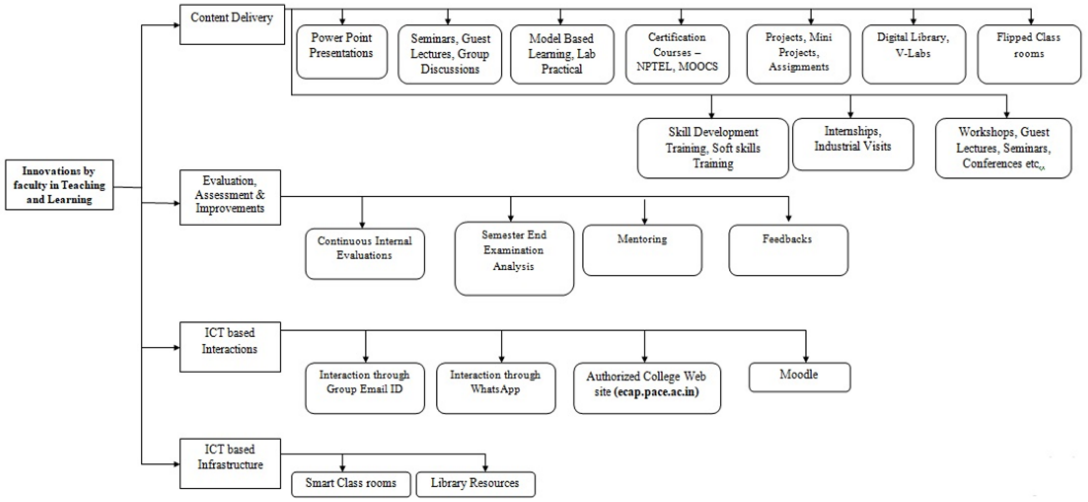
S.No	Name Of The Faculty Member	Specialization	Publications	Course Developments	No. of Major & Minor Projects Handled During the Assessment Periods
1	L Rama Prasad Reddy	Structural Engineering	6	Advanced Concrete Technology Principals of Soil Mechanics Earthquake Resistance Design Experimental Stress Analysis Advanced Steel Design	5
2	Ganesh Naidu Gopu	Structural Engineering	25	Design & Drawing of Reinforced Concrete Structure Design & Drawing of Steel Structure Matrix Analysis of Structures Sub Structure Design	7
3	A Ranganathan	Structural Engineering	3	Engineering Mechanics Fluid Mechanics & Hydraulic Machinery Lab Advanced Structural Analysis & Design Lab Pavement Analysis & Design	6
4	R. Balamuragan	Structural Engineering	3	Water Resource Engineering-I Water Resource Engineering-II	6
5	Thirunavukkarasu.N	Environmental Engineering	3	Air Pollution & Management Solid and Hazardous Waste Management Environmental Green Technology	6
6	Chandramouly V J	Structural Engineering	3	structural Analysis-I structural Analysis-II Basics of Structural Engineering	6
7	Sivasubramanian R	Structural Engineering	3	Theory of Elasticity Theory and Application of Cement Composites Design of Advanced Concrete Structures Finite Element Method Stability of Structures	6
8	GandhavallaMadhavarao	Structural Engineering	3	Hydraulics & Hydraulic Machinery Mechanics of Composite Structures Geotechnical Engineering-I Geotechnical Engineering-II Concrete Technology	6
9	K Harish	Construction Technology	3	Construction Technology & Management Basics of Town Planning & Design	5
10	Thirumalairaja.R	Structural Engineering	3	Sub Structure Design Bridge Engineering Earth Retaining Structures Theory of Plates & Shells	6
11	Manikandan.C	Structural Engineering	3	Pre-stressed Concrete Advanced Structural Analysis	5
12	Adaikkalakumar P	Construction Engineering & Management	3	Building Planning & Drawing Estimation, Specification & Contracts	5
13	Karthik C	Environmental Engineering	1	Physio-chemical processes for Water and Waste Water Treatment Introduction to Irrigation Engineering	3
14	Satheti.Reddemma	Environmental Engineering	3	Environmental Engineering Ground Water Engineering Engineering Geology Lab	3

15	Pappula Ravi Kumar	Structural Engineering	5	Strength of Materials-I Strength of Materials-II Strength of Materials Lab Structural Dynamics Advanced Concrete Lab	3
16	Magathoti Sri DurgaVara Prasad	Structural Engineering	9	Solid Mechanics Mechanics of Materials	5
17	Siva Puram Venkata Naga Anil Vamsi	Highway Engineering	2	Transportation Engineering-I Transportation Engineering-II Surveying Field Work-I &II Lab Advanced Surveying Land Surveying	5
18	Sane Anka Rao	Structural Engineering	2	--	4
19	MupparajuKranthi Kumar	Transportation Engineering	2	Highway Engineering	4
20	AddankiSrujan Kumar	Structural Engineering	2	--	4
21	Kothanuru Ashok Kumar	Structural Engineering	2	--	4
22	Bodapati Sandhya Rani	Structural Engineering	2	Concrete Technology Lab	4
23	Chidella Dinesh Chandra	Urban Planning	2	Transportation Engineering Lab Surveyiong & Geomatics	4
24	MedagamVenkataNaga Siva Sankar Reddy	Computer Aided Structural Engineering	2	--	4
25	Goli Naga Malleswara Rao	Structural Engineering	1	--	4
26	Ch. Srikanth	Structural Engineering	2	Strength of Materials Lab	4
27	NarisettySrikanth	Structural Engineering	2	Building Materials & Construction Plastic Analysis & Design Fracture Mechanics Industrial Structures	4
28	Challa Sandeep Reddy	Structural Engineering and Natural Disaster Management	2	Introduction to Disaster Managment	2
29	GurralaEzriBabu	Structural Engineering	2	Mechanics of Materials	3
30	Erla Mani	Structural Engineering	3	--	3
31	KannelaEdukondalu	Structural Engineering	2	--	3
32	TurlapatiUdayaDurga	Structural Engineering	2	Fluid Mechanics	3
				Hydraulic & Hydraulic Machinery	
33	GundalaguntaBathi Reddy	construction planning and management	1	--	3
34	KaidupalliRambabu	Structural Engineering	1	Structural Analysis-I	3
35	Kola Sumanth Kumar	Soil Mechanics and Foundation Engineering	1	--	3
36	SoundaryaKasukurthi	Structural Engineering	1	--	0
37	KallaguntaManoj Kumar	Structural Engineering	1	--	0
38	Kota Sai Manohar	Structural Engineering	1	--	0
39	AdusumalliManikanta	Transportation Engineering	1	--	0
40	Nissi P	Structural Engineering	1	Basics of Structural Health Monitoring Design of Hydraulic Structures/ Irrigation Engineering Basics of Structural Design	3
41	Priyanka Nagasuri	Structural Engineering	1	Introduction to Building Materials Repair & Rehabilitation of Structures Advanced Design of Foundations Green Building Green Building Technology	3
42	VenkamsettyRushendramani	Structural Engineering	1	Structural Design Lab Computer Aided Design Laboratory Advanced Concrete Technology Lab Advanced Structural Engineering Lab	3
43	Nimmalapalli Narendra	Structural Engineering	1	--	3
44	GolusuMurali Krishna	Transportation Engineering and Management	0	--	2
45	BodduSuchitra	Structural Engineering	0	--	2
46	Srinivasa Rao Dasari	Environmental Management	0	Hydrology Disaster Management Environmental Engineering Lab	3
47	BirudulaNageswara Rao	Structural Engineering	1	Transportation Engineering Lab Concrete Technology Lab Geotechnical Engineering Lab Computer Aided Civil Engineering Lab Structural Analysis & Design Programming Lab	4

5.6 Innovations by the Faculty in Teaching and Learning (10) Total Marks 10.00

Institute Marks : 10.00

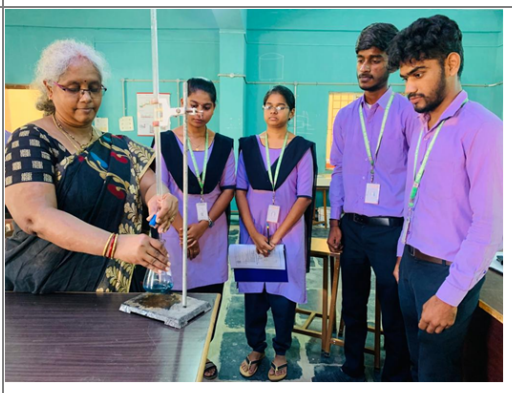
With the ultimate goal of enhancing student skills, the program faculty has developed a variety of innovative strategies to improve graduates learning capacities. Here are a few of the methods of instruction and learning used by the faculty.



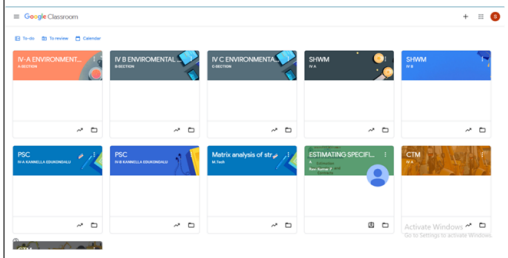
I. Statement of Goals

- To be the pacer for the vision of the institute and the program
- To Improve Students' Academic Performance through quality education in accordance with a quality teaching-learning process.
- To create space for encouraging and supporting innovative research and development activities with an ethical mindset.
- To create a bridge between industry and academia in order to better serve the industry and society.
- To continue learning throughout ones life and to take the lead in both their chosen field and extracurricular activities.
- To create graduates, successfully engage with stakeholders and perform quality work using the required tools.
- To instill Positive Action principles into students' cognitive, affective and behavioral learning domains to gain leadership qualities.
- To develop well-rounded students: including physically, intellectually, socially and emotionally
- To create a positive learning environment throughout the Institution
- To impart the knowledge that all of the institutes activities and curriculum are productive.
- To understand research-based theories of learning, education, behavior change and their relationships to Positive Action.
- To develop administrators who use positive approaches to leading and institute management.
- Involves the stakeholders in education by offering support and resources to the institute as well as creating a favorable environment for students.

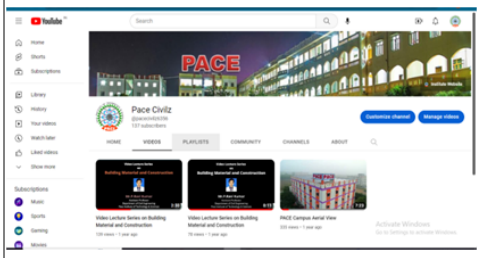
II. **Methods Adopted by Department& Significance of Results**

Method of Practice	Description	Process	Importance	Benefits	Proof of Evidence
1. Laboratory Teaching	Students are taken to labs and given a live demonstration on a specific topic in order to better understand it.	Students are taken to labs and given a live demonstration on a specific topic in order to better understand it.	To Improve the Imagination by Practical learning.	Increases learning capacity and creative thinking through practical learning.	 **Faculty :** S. Redemma **Topic :** DrinkingWater Quality Determination **To :** II Year Students(2022-23)
2. ICT tools	Along with blackboard teaching, faculties are using multimedia tools such as PowerPoint presentations and educational videos in the class.	Explanation through tools such as PPTs, Video lectures	To stimulate the Imagination Skill As well as the Improvement of academic performance	• Stimulates the development of imagination as well as the initiative of students. • It improves pupils academic performance as their classroom experience also improves substantially.	 **Faculty Name :** Dr. L Ramaprasad Reddy **Course :** Geotechnical Engineering-I **To:** III Year students

3. Group Discussions	Involving students as a group on specified topic.	Students are formed as different groups to have a conversation on Issue or topic	Increase students attention and help maintain their focus by involving them in the learning process,deeper understanding. To provide feedback to faculty on students comprehension.	Student demonstrates their critical thinking skills, communication skills, self-confidence, and teamwork.	  **Faculty :** A. Manikanta **Topic** : Traffic Issues & Solutions **To :** III Year Students(2022-23)
4. Guest Lectures/Seminars/Workshops, Conferences	Practice of guest lectures are being organized to bridge the gaps in course& research or Industrial needs	To introduce a fresh idea, intriguing students to research it further on their own, or to show and promote the use of practical techniques.	Able to Understand current Industry trends	Able to Understand current Industry trends	  **Speaker :**Mr. K Raghava Hari Narayana, Area Sales Manager- AP, JSW Cement Limited **Topic:**GGBS for strong, durable, sustainable & green concrete construction **On:** 17th December 2022 **Beneficiaries:**Faculty Members & Students

5. Skill Development Program	Practice of SDP's are being organized to bridge the gaps in course & research or Industrial needs	A Prior schedules are preparing for skill development Programs	Students may become independent thinkers and develop their future plans through developing their self-worth, confidence, and leadership abilities.	Able to excel in technical area without any pre-defined training that can cause a delay in technical Exposure.	  **Name of Program :** Total Station Workshop by D. Srinivasa Reddy **To:** II Year Students(2022-23)
6. Flipped Class Rooms	The instructor pre-records the lectures, posts the recordings to Canvas for students to watch before class, and then assists the students as they work through assignments during class time.	The instructor pre-records the lectures, posts the recordings to Canvas for students to watch before class, and then assists the students as they work through assignments during class time.	To establish an exciting learning environment in the classroom. So that they may study at their own speed for the pupils. So that the teacher may spend more time teaching each student in turn rather than the class as a whole.	To enable students to learn at their own pace, and to give the instructor more time to teach each student individually, rather than the class as a whole.	 WEBLINK : Classes (google.com) (https://classroom.google.com/u/0/?pli=1)
7. Soft Skills Training	The training was conducted in a very informal, interesting, and interactive manner, allowing ample opportunity for students to interact with one another.	Prior schedules are preparing for the skill development programme at the start of the semester.	Soft skills are essential for developing strong bonds with classmates, expanding networks with seniors, and developing trust.	By the end of the soft skills training program, the students should be able to: • Develop effective communication skills (spoken and written). • Develop effective presentation skills. • Become self-confident individuals by mastering interpersonal skills, team management skills, and leadership skills.	 **Speaker:**Dr. KVSG. Murali Krishna, Director of Academic Planning from JNTUK,Kakinada **Topic:**Engineering Skills & Life Skills. **Date:** 30th Sep 2022 http://pace.ac.in/documents/newsletter/September%20News%20Letter%202022.pdf (http://pace.ac.in/documents/newsletter/September%20News%20Letter%202022.pdf)

8. Quiz	Promoting Self-Improvement of Students by Conducting Quizzes in teams or individuals and also Intended to encourage fun learning while also enhancing the Knowledge.	Forming groups or Individuals and screening through various levels	To assess the students ability on their own.	• Improving information through enjoyable ways. • Aids in self-assessment and understanding of vulnerable areas.	
9. Internships	Professional learning opportunity that provides relevant, hands-on work pertinent to a students area of study or career interest.	Students are Under gone to 2 months Internship Program after completion of II year II Semester as Per Regulations of R18 &Two summer internships each with a minimum of six weeks duration shall be mandatorily done/completed respectively at the end of second and third years as Per the regulations of R21	To improve your abilities before joining the profession, network with industry people.	Can helps in boosting the confidence, network building, get the feel of work environment, Narrow downs the exploring Opportunities. And also gives a chance to put what they are learning into action, in a real-world environment.	  **Details of Internship:** Gundlakamma Reservoir Inspection Under the Guidance of Murali Krishna Deputy Executive Engineer of Ongole Division Irrigation Department of AP State. (2021-22)
10. Industrial Visits	An industrial visit is important in the future of a student seeking a professional degree. It is taught as part of the academic curriculum, most notably in engineering classes. The goal of a workplace tour is to give students an understanding of how companies operate on the inside. We all know that theoretical understanding is insufficient for a successful professional job. Beyond academics, workplace visits give students a real view on the world of work.	obtaining authorization from industry and giving students access to facilities in industry	During trips to businesses, students are exposed to a real-world working environment and become more knowledgeable about emerging technology.	Helps in Enhancing the learning experience, get exposure to Industry Experts, Growth in learning Soft skills.	  **Faculty Mentor :** A. Srujan Kumar **Name & Place:** Global Ready Mix Plant &Surareddy Palem **To :** II Year Students (2021-22)

11. Certification Courses	NPTEL, MOOCS	Enrolling in Courses, attending sessions & participating in assessments	Important to • Validation of knowledge • Increased marketability • Increased earning power • Enhanced academic performance • Improved reputation • Enhanced credibility • Increased confidence • Respect from peers	Helps to boost the efficiency, improves the knowledge & skills, assist in gaining a thorough grasp of the industry, gives the motivation to attempt & succeed in Competitive fields	 
12. E-Resources	Digital Library, ECAP, Virtual Labs, you tube channel, D	Sharing of e-resources through whats app & emails	Students will be able to Get Knowledge even at remote locations.	Students will be able to Get event in remote locations.	**V-Labs:** https://www.vlab.co.in/broad-area-civil-engineering (https://www.vlab.co.in/broad-area-civil-engineering)  **YouTube:** https://www.youtube.com/channel/UCpPt797LX4G-CTkWrDfsZXQ (https://www.youtube.com/channel/UCpPt797LX4G-CTkWrDfsZXQ)  **E-Materials :** http://www.freeengineeringbooks.com/Civil/Civil-Engineering-Ebooks.php (http://www.freeengineeringbooks.com/Civil/Civil-Engineering-Ebooks.php) **E-Library:https://ndl.iitkgp.ac.in/** (https://ndl.iitkgp.ac.in/)

13. Design Thinking for innovation	Institution has included the course in the curriculum for enhancing the Creative Problem Solving Skills.	Inclusion in regular class time table.	To enable & enhance the problem solving skills.	Imparts lifelong learning skills & Problem solving skills.	  **Session Name:** Understanding Fear and Overcoming Measures
14. Case Study	Students were assigned to work on live Projects	Students were assigned to work on live Projects	To engage with issues that engineers are now dealing with in the real world.	Improves the learning capabilities, leadership Qualities, teamwork, practical learning.	  **Study:** Floor levels Checking **By :** IV Year Students (2022-23)
15. Club Activities	College has established Different Clubs for Students to promote self learning activities	College has established Different Clubs for Students to promote self learning activities	to communicate and mingle with their peers, juniors, and seniors	Active engaging in the clubs helps to enhance the self-assessment, imports the self-learning capabilities,	Web link: PACE INSTITUTE OF TECHNOLOGY & SCIENCES (http://pace.ac.in/nature&nation.php)
16. Resources	Library, Fast track Materials	Providing resources, accesses to library and issuing books	To Improve the student Score	Providing Resources to improve the Pass percentage	All the data has been Uploaded to student Portals

III. Assesment

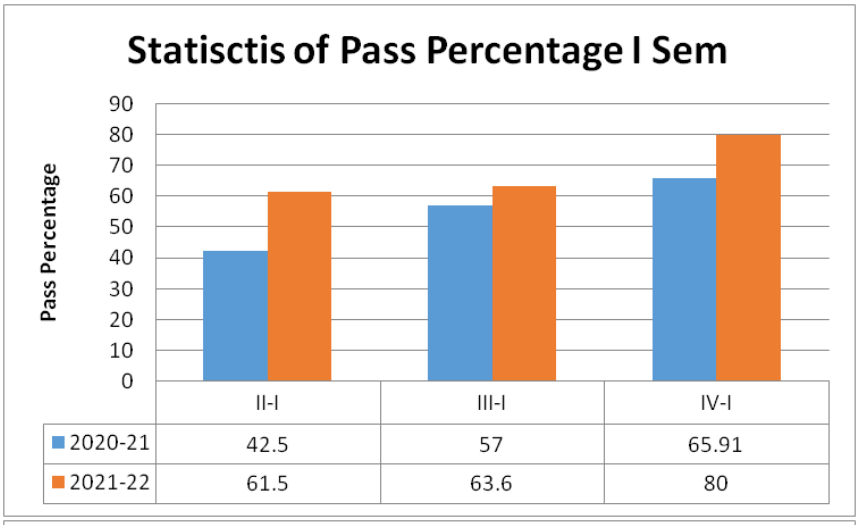
Assessment		
Method	**Description**	**Frequency**
Continuous Internal Evaluation	Monitoring Students Performance	Twice in the semester
Semester End Examination		Once in a Semester
Feed back		Twice in the Semester
Mentoring		Once in Every month & Whenever necessary

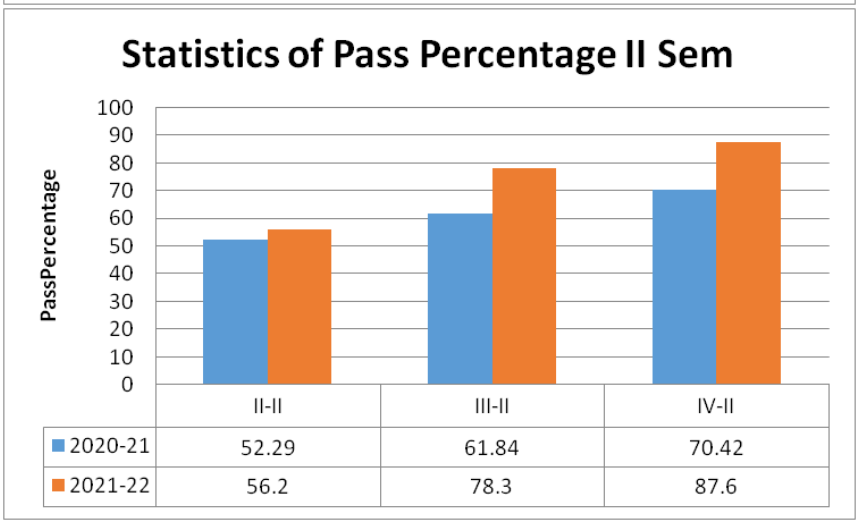
IV. Significant Outcomes

The Outcomes through these practices are shown below.

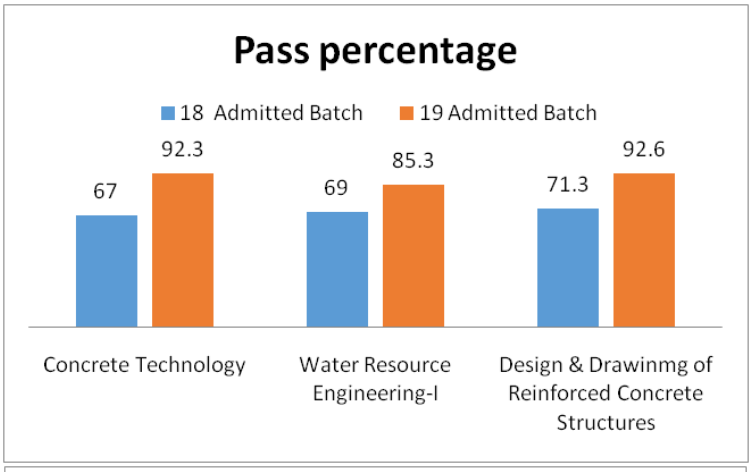
a) Academic Performance

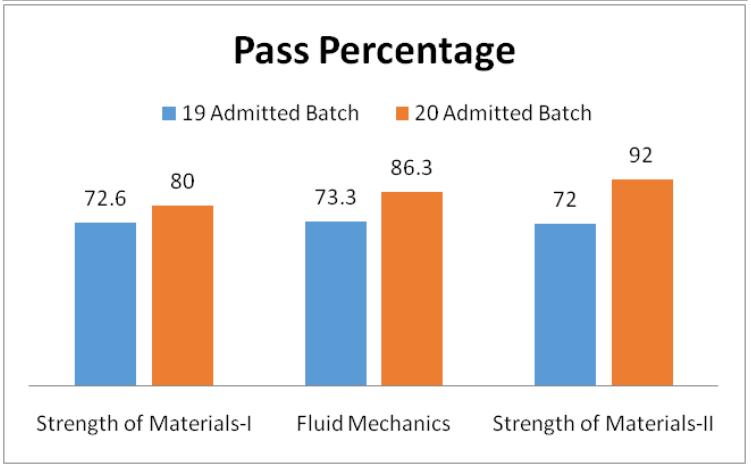
Overall Pass Percentage

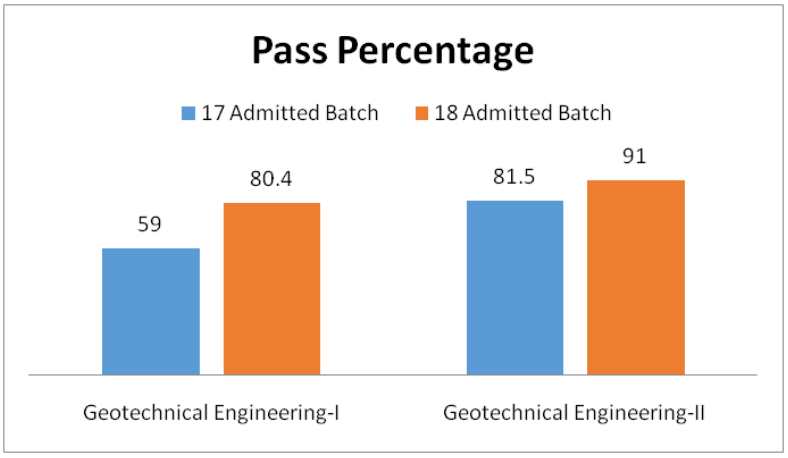




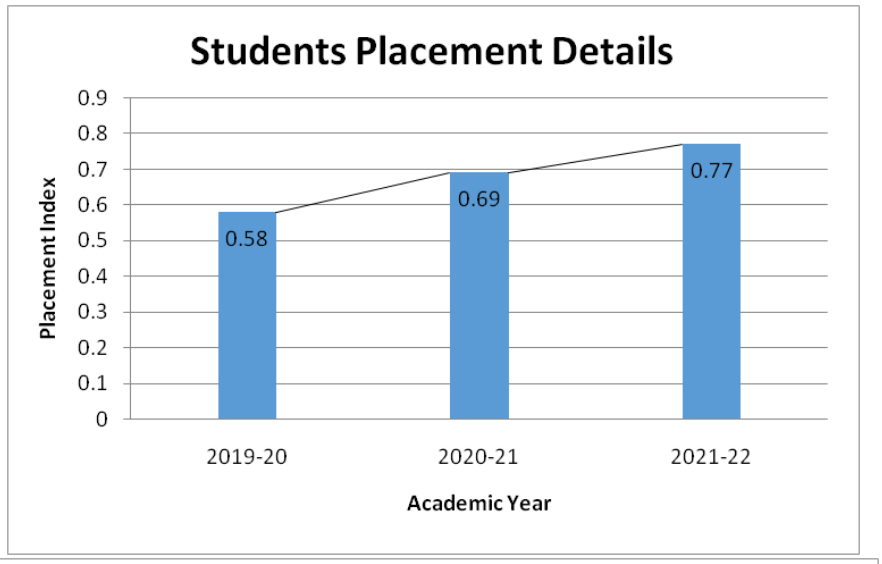
Major Findouts for Individual Subjects

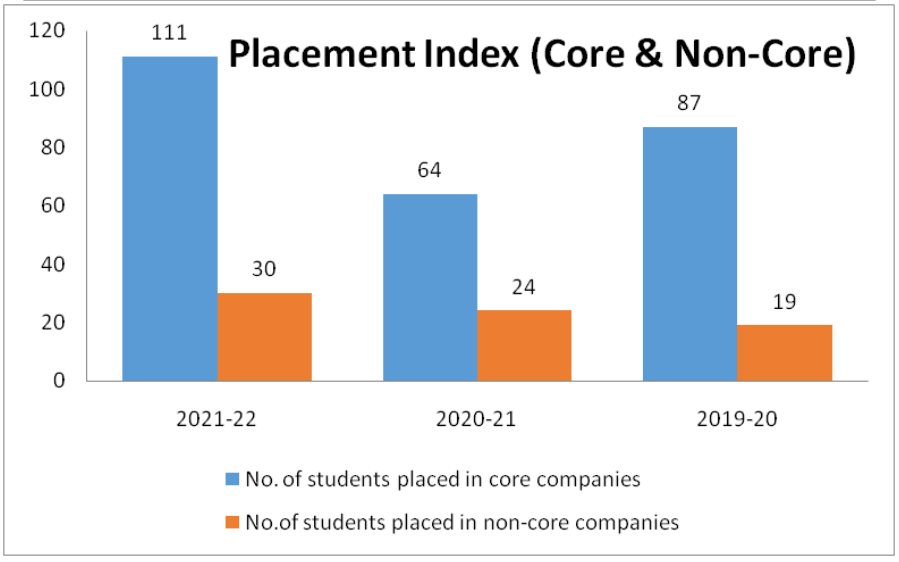






b) Placement Statistics





5.7 Faculty as participants in Faculty development/training activities/STTPs (15) Total Marks 15.00

Institute Marks : 15.00

Name of the faculty	Max 5 Per Faculty		
	2021-22(CAYm1)	2020-21(CAYm2)	2019-20(CAYm3)
L Rama Prasad Reddy	5.00	5.00	5.00
Ganesh Naidu Gopu	5.00	5.00	5.00
A Ranganathan	5.00	5.00	5.00
R. Balamuragan	5.00	5.00	5.00
Thirunavukkarasu.N	5.00	5.00	5.00
Chandramouly V J	5.00	5.00	5.00
Sivasubramanian R	5.00	5.00	5.00
Gandhavalla Madhava rao	5.00	5.00	5.00
K Harish	5.00	5.00	5.00
Thirumalai raja.R	5.00	5.00	5.00
Manikandan.C	5.00	5.00	5.00
Adaikkalakumar P	5.00	5.00	5.00
Karthik C	5.00	5.00	0.00
Satheti.Reddemma	5.00	5.00	5.00
Pappula Ravi Kumar	5.00	5.00	5.00
Magathoti Sri Durga Vara Prasad	5.00	5.00	5.00
Siva Puram Venkata Naga Anil Vamsi	5.00	5.00	5.00
Sane Anka Rao	5.00	5.00	5.00
Mupparaju Kranthi Kumar	5.00	5.00	5.00
Addanki Srujan Kumar	5.00	5.00	5.00
Kothanuru Ashok Kumar	5.00	5.00	5.00
Bodapati Sandhya Rani	5.00	5.00	5.00
Chidella Dinesh Chandra	5.00	5.00	5.00
Medagam VenkataNaga Siva Sankar Reddy	5.00	5.00	5.00
Goli Naga Malleswara Rao	5.00	5.00	5.00
Ch. Srikanth	5.00	5.00	5.00
Narisetty Srikanth	5.00	5.00	5.00
Challa Sandeep Reddy	5.00	5.00	0.00
Gurrala Ezri Babu	5.00	5.00	0.00
Erla Mani	5.00	5.00	0.00
Kannela Edukondalu	5.00	5.00	0.00
Turlapati Udaya Durga	5.00	5.00	5.00
Gundalagunta Bathi Reddy	5.00	5.00	0.00
Kaidupalli Rambabu	5.00	5.00	0.00
Kola Sumanth Kumar	5.00	5.00	0.00
Kola Sumanth Kumar	5.00	5.00	5.00
Priyanka Nagasuri	5.00	5.00	5.00
Venkamsetty Rushendramani	5.00	5.00	5.00
Nimmalapalli Narendra	5.00	5.00	0.00
Golusu Murali Krishna	5.00	5.00	0.00

Boddu Suchitra	5.00	5.00	0.00
Srinivasa Rao Dasari	5.00	5.00	5.00
Birudula Nageswara Rao	5.00	5.00	5.00
Sum	215.00	215.00	160.00
RF = Number of Faculty required to comply with 20:1 Student Faculty Ratioas per 5.1	27.00	31.00	30.00
Assessment [3*(Sum / 0.5RF)]	47.78	41.61	32.00

Average assessment over 3 years: 15.00

5.8 Research and Development (75) Total Marks 70.00

5.8.1 Academic Research (20)

Institute Marks : 20.00

Academic Year	No. of Quality Publications	Books/Book Chapters	Others	Total
2019-20	19	-	-	19
2020-21	11	2	-	11
2021-22	13	1	-	14
2022-23	28	01(Under Process)	5(Patents)	15

5.8.1A Details of publications

2019-20

S.No	Author Name	Title of the Paper	Publisher Name	month & Year
1	Ganesh Naidu Gopu	Mechanical behaviour of fiber reinforced concrete using shape memory alloys	International Journal of Innovative Technology and Exploring Engineering	November 2019
2	Ganesh Naidu Gopu	Mechanical Properties of Concrete by Replacing Cement with Eggshell powder and Fly ash	International Journal of Innovative Technology and Exploring Engineering	February 2020
3	Ganesh Naidu Gopu	Influence of Granite Cutting Waste and Recycled Concrete on Properties of Self Compacting Concrete	International Journal of Recent Technology and Engineering (IJRTE)	November 2019
4	Ganesh Naidu Gopu	Impact of Chloride Attack on Basalt Fibre Reinforced Concrete	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	October 2019
5	Ganesh Naidu Gopu	Partial Replacement of Cement with Corn Cob Ash and Saw Dust Ash and Fine Aggregates with Steel Slag in Concrete	International Journal of Engineering Trends and Applications (IJETA)	May-Jun 2018
6	Ganesh Naidu Gopu P. Rvai kumar M. Sri Durga vara prasad	Bond Behaviour of Epoxy Coated Rebar Induced in Self Compacting Concrete	International Journal of Engineering and Advanced Technology (IJEAT)	February 2020
7	Ganesh Naidu Gopu P. Rvai kumar M. Sri Durga vara prasad	Ductility Analysis of Beams Reinforced with Super Elastic Shape Memory Alloys	International Journal of Recent Technology and Engineering (IJRTE)	November 2019
8	Ganesh Naidu Gopu	Experimental Analysis of Epoxy Bonded Beams with GFRP Laminates	International Journal of Engineering and Advanced Technology (IJEAT)	October, 2019
9	Ganesh Naidu Gopu M. Sri Durga vara prasad	Strengthening of Reinforced Concrete Continuous Beams using GFRP	International Journal of Engineering and Advanced Technology (IJEAT)	October, 2019
10	Ganesh Naidu Gopu M. Sri Durga vara prasad	Influence of PET Waste on Mechanical Properties of Concrete	International Journal of Engineering and Advanced Technology (IJEAT)	October 2019
11	Ganesh Naidu Gopu M. Sri Durga vara prasad	Effect of R.O. Waste Water on Properties of Concrete	International Journal of Recent Technology and Engineering (IJRTE)	September 2019
12	M. Sri Durga Vara Prasad	Damage analysis of Reinforced Concrete Beams using Piezoelectric Sensors	International Journal of Recent Technology and Engineering (IJRTE)	November 2019

2020-21

S.No	Author Name	Title of the Paper	Publisher Name	Month &Year of publishing
1	Gopu Ganesh Naidu	Applications of EPS Geo-foam and Geo-membranes in Construction Industry – Bridges, Embankments	IOP Conference Series: Materials Science and Engineering	March-2021
2	Gopu Ganesh Naidu	Strength Characteristics of Concrete by Partial Replacement of Coarse Aggregate with Coconut Shells & Cement with Glass Powder	IOP Conf. Series: Materials Science and Engineering	March-2021
3	Gopu Ganesh Naidu G. Ezribabu	Strengthening of Soil by adding Lime and Glass Fiber as Stabilizing Materials for the Construction of High Rise Buildings	IOP Conf. Series: Materials Science and Engineering	March-2021
4	Gopu Ganesh Naidu	Evaluation of Mechanical Properties of High Strength (M40) Fibre Reinforced Concrete using Admixtures	IOP Conference Series Materials Science and Engineering	March-2021
5	1. B. Sandhya Rani 2. Dr. L Rama Prasad Reddy 3. S Reddemma 4. Ch Dinesh Chandra 5. Dr. A Ranganathan	An experimental study on quarry dust as partial replacement for sand in concrete	International Journal of Innovative Research in Engineering & Management (IJIREM)	November-2020
6	1. SVN Anil vamsi 2. MVN Siva Sankar Reddy 3. K. Edukondalu 4. B Nageswara Rao 5. Dr. R Balamurugan	Study on Strength Properties of Concrete by Replacing Fine Aggregate as Quarry Dust	International Journal of Innovative Research in Engineering & Management (IJIREM)	December-2020
7	1. Ch Sandeep Reddy 2. M Kranthi Kumar 3. GandhavallaMadhavarao 4. Thirumalairaja.R 5. Manikandan.C	Behavior of Castellated Beams with and Without Stiffeners	International Journal of Innovative Research in Engineering & Management (IJIREM)	September-2020
8	1. A Srujan Kumar 2. K Sumanth Kumar 3. K Rambabu 4. Thirunavukkarasu.N 5. Sivasubramanian R	A Study on Behavior of High performance Concrete	International Journal of Innovative Research in Engineering & Management (IJIREM)	October-2020
9	1. Ganesh Naidu Gopu 2. Kota Sai Manohar 3. SoundaryaKasukurthi 4. Adaikkalakumar P 5. Chandramouly V J	A Study on Castellated Beams with and Without Stiffeners	International Journal of Innovative Research in Engineering & Management (IJIREM)	December-2020
10	1. S Anka Rao 2. Rama Prasad Reddy 3. Satheti.Reddemma 4. A Srujan Kumar 5. A Ranganathan5	Literature Review on effects of saturation on soil sub grade strength	International Journal of Innovative Research in Engineering & Management (IJIREM)	January-2021

11	1. R. Balamuragan 2. Thirunavukkarasu.N 3. B Sandhya Rani3 4. M V N Siva Sankar Reddy 5. Karthik C	A Report on Plastic Waste Problem & Management	International Journal of Innovative Research in Engineering & Management (IJIREM)	Feburary-2021

2021-22

S.No	Author Name	Title of the Paper	Publisher Name	Year of publishing
1	1. M. Kranthi Kumar 2. V. Rushendra Mani	Elevated Water Tank Design Comparison in Different Seismic Zones	International Journal of Innovative Research in Computer Science & Technology (IJIRCST)	January 2022
2	1. Gopu Ganesh Naidu 2. M. Sri Durga Vara Prasad	A review on mechanical properties of self compacting concrete incorporated with various types of plastic waste aggregates	Materials Today: Proceedings	July-2022 (https://www.sciencedirect.com/journal/materials-today-proceedings/vol/64/part/P2)
3	1. N. Srikanth 2. N Narendra 3. G. Ezri Babu 4. G Bathi Reddy 5. K. Ashok Kumar	Experimental Research on Foam Concrete with Partial Replacement of Fine Aggregates by Blast Furnace Slag, Fly Ash, and Glass Powder	International Journal of Innovative Research in Engineering & Management (IJIREM)	June 2022
4	M.V.N. Siva Sankar Reddy Ch.Srinkath K.Manoju kumar	The Impact of Super Absorbent Polymers on Concrete Strength	International Journal of Innovative Research in Engineering & Management (IJIREM)	April 2022
6	E. Mani	Partial Replacement of Coarse Aggregate with Coconut Shell and Adding of Asbestoes Fiber	International Journal of All Research Education and Scientific Methods (IJARESM)	April-2022
7	E. Mani	Mechanical Behaviour on Partial Replacement of Coarse Aggregate with Seashell in Concrete	International Journal of All Research Education and Scientific Methods (IJARESM)	March-2022
8	E. Mani	An Experimental Investigation for Comparison of Porous Concrete and Conventional Concrete in Strength	International Journal of Innovative Research in Computer Science & Technology (IJIRCST)	March 2022
9	G. Ganesh Naidu	Experimental investigation of tensile, compression, shear and flexural behaviour of basalt fibre and glass fibre reinforced polymer bars	Materials Today: Proceedings	July-2022
10	1. G. Ganesh Naidu 2. S Ankarao 3. M. Sri Durga Vara Prasad	Development of UltraHigh Strength concrete	Journal of Physics: Conference Series	August-2021
11	1. G. Ganesh Naidu 2. M. Sri Durga Vara Prasad 3. Ravi Kumar P	Influence of Granite Cutting Waste on Mechanical Properties of Recycled Aggregate Concrete	Journal of Physics: Conference Series	August-2021
12	G. Ganesh Naidu	Corrosion Behavior of Fiber-Reinforced Concrete—A Review	MDPI	April-2022
13	1. S.Reddemma 2. P Ravi Kumar 3. Manikandan.C 4. Adaikkalakumar P 5. Nissi P	A Review on Drinking Water Treatment with Disinfectant	Journal of Innovative Research in Engineering & Management (IJIREM)	January-2022
14	G. Ganesh Naidu	Crash analysis of bumper assemblywith solver to improvise the design for impact tests	Journal of Innovative Research in Engineering & Management (IJIREM	June 2022
15	G.Bathi reddy K.Ashok kumar	Expermental research on foam concrete with partial replacement of fine aggregate by blast fornace slag, fly ash and glass powder	Journal of Innovative Research in Engineering & Management (IJIREM	Febuary 2022

2022-23

S.No	Author Name	Title of the Paper	Publisher Name	Year of Publishing
1	Adusumalli Manikanta	Evaluation of Concrete with Glass and Coconut Shell in Place of Coarse Aggregate and Partially Replaced Cement	International Journal of Innovative Research in Computer Science & Technology (IJIRCST)	September 2022
2	P. Ravi kumar	Validation and Profile Modification of a Spur Gear to Improve the Gear Tooth Strengths	International Journal of Innovative Research in Computer Science & Technology (IJIRCST)	July 2022
3	S. Anka Rao N. Priyanka D Kavitha G Malleswara rao	Explorations into the Expanded Clay Aggregate Concrete Bricks Strength Properties	International Journal of Innovative Research in Engineering & Management (IJIREM)	December 2022
4	Ganesh Naidu Gopu	The influence of fiber RC beams under flexure on the chloride-induced corrosion	Case Studies in Construction Materials	October-2022
5	Ganesh Naidu Gopu	corrosion-induced bond behaviour of steel, e-glass, and e-waste copper wire fiber reinforced concrete	RevistaRomână de Materiale / Romanian Journal of Materials	December-2022
6	Ch. Sandeep Reddy SVN Anil Vamsi	Possibility of Egg Shell Powder as Replacement in Soil Stabilization	International Journal of Innovative Research in Engineering & Management (IJIREM)	October-2022

7	G. Ganesh Naidu	Study of strength related resources of hybrid fiber reinforced concrete (HFRC) and energy absorption capacity (EAC)	Materials Today: Proceedings	August-2022
8	G. Ganesh Naidu	Study of microstructural analysis (MSA) on properties related to strength and its characteristics on bacterial concrete	Materials Today: Proceedings	August-2022
9	M. Sri Durga Vara Prasad	Study of Micro structural behaviour (MSB) in geopolymer concrete (GPC) and material properties by using waste materials	Materials Today: Proceedings	August-2022
10	A Srujan Kumar	Investigation study of enhance the strength by using hybrid nano-composites on conventional cement concrete	Materials Today: Proceedings	August-2022

5.8.1B Details of Books/Book Chapters

S.No	Name of Author	Title	Name of Publisher	Year
1	Gopu Ganesh Naidu	Evolution of rapid chloride Permeability test on concrete containing steel, E-waste copper wire & E-glass fiber	Springer	January-21
2	Gopu Ganesh Naidu	Corrosion characteristics of rebar induced in different types of fiber reinforced concrete	Springer	January-21
3	Gopu Ganesh Naidu	Civil Engineering Lab Practices	PACE	July-2022

5.8.1C Details of Patents Published

S.No	Name of Author	Title	Application Number	Date of Publication
1	P Ravi Kumar	System/method to utilize lignocellulosic ethanol with waste plastic oil as fuel on CRDI engine	202241068292A	23/12/2022
2	1. Gopu Ganesh Naidu 2. L. Rama Prasad Reddy 3. A. Srujan Kumar 4. G E Babu	IOT based agriculture robot for pesticide spraying	3757554-001	03/02//2023
3	1. Gopu Ganesh Naidu 2. A. Manikanta	Inspection robot to detect leakage and blockage in pipe lines	375750-001	16/12/2022
4	1. M. Sri Durga Vara Prasad 2. S Reddemma 3. M.Kranthi Kumar	Floor cleaning Robot	375752-001	375752-001
5	1. M. Sri. Durga vara Prasad 2. E. Mani 3. G. Ezri babu	Robotic device to capture Marine Life Sample	373753-001	16/12/2022

5.8.1D Details of Ph.D. guided /Ph.D. awarded during the assessment period while working in the Institute

S.No	Name of The Faculty	Year of Ph. D Awarded	University	Title of the thesis
1	L. Rama Prasad Reddy	2019	Andhra University	Development of Fiber Reinforced Self compacting Green Concrete Using Crushed Stone Dust and Granite Slurry Powder as fine Aggregate
2	Karthi C	2021	Annamalai University	Investigation on huasb Reactor for treating Pulp and Paper Mill waste water Using response surface Methodology

5.8.2 Sponsored Research (20) Institute Marks : 15.00

2021-22 (CAYm1)

Project Title	Duration	Funding Agency	Amount(in Rupees)
Sewage Water Treatment P	1 Year	Srinivasa Society	983455.00
Bio gas Plant	1 Year	Srinivasa Society	263229.00
			Total Amount(X): 1246684.00

2020-21 (CAYm2)

Project Title	Duration	Funding Agency	Amount(in Rupees)
Unnat Bharat Abhiyan	3 Months (15th August-202	Centre for Rural Developme	175000.00
Vermi Composting	2 years	Srinivasa Society	525000.00
			Total Amount(Y): 700000.00

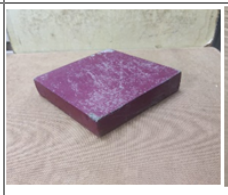
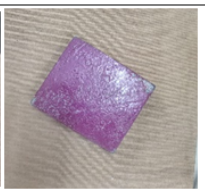
2019-20 (CAYm3)

Project Title	Duration	Funding Agency	Amount(in Rupees)
Rain water harvesting	1 year	Srinivasa Society	2155632.00
			Total Amount(Z): 2155632.00

Cumulative Amount(X + Y + Z) = 4102316.00

5.8.3 Development activities (15) Institute Marks : 15.00

A. **Product Development**

S.No	Name of Faculty	Name of Product	Year	Description	Images
1	Dr. R. Balamurugan A. Manikanta	Pavement tiles with granite slurry	2023	Innovative product using granite slurry for paver blocks as a means of waste management in granite industry.	
2	Dr. L. Ramaprasad Reddy P.Ravi kumar	Plastic paver blocks	2022	A paver block made with waste plastic to reduce the plastic waste & also improving the quality of living	
4	Dr. G. Madhava Rao P.Ravi kumar	Plastic tiles	2022	Plastic waste is employed to produce the tiles as possible replacement of sand	 
5	Dr. A. Ranganathan G. Ezri babu	Strength evaluation of black cotton soil by using lime &glass powder as stabilizing material	2021	Aims to improve the strength properties of black cotton soil for high rise buildings	
6	Dr. Adaikkala kumar G.Ganesh Naidu	Coconut coir ash concrete block	2021	Aims to utilize the coconut ash as in concrete for better performance of concrete	
7	Dr. Nissi. P G.Ganesh Naidu	Plastic waste in self compacting concrete block	2021	Aims to determine the impact of utilizing plastic trash in place of fine aggregate(sand) in concrete	

8	Dr. Thirunavakkarasu S.Anka Rao	Ultra high-strength concrete block	2020	Aims to improve the concrete properties by using silica fume, fly ash, ground granulated blast furnace slag	
9	Dr. L. Ramaprasad Reddy G.Ganesh Naidu	Glass fiber concrete block	2020	Aims to improve the mechanical properties of concrete by using fibers	

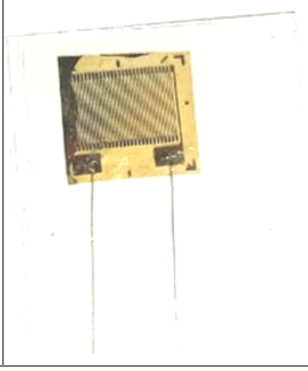
B. Research Laboratories

The main objective is to cultivate a passion for research in each individual for professional growth and organizational success. With the aid of funding from the institute, facilities have been provided.

A significant amount of research requires basic data, which is assessed using basic equipment and the necessary research facilities are provided in conventional laboratories for optimal exploitation of these lab equipments are prioritized.

The details of projects under gone in these labs along with the major equipment available and there suiting publications are listed below.

Table 5.8.3.B: Details of the available research facilities in conventional laboratories

Sl. No.	Name of the facilities	Utilization	Specifications	Images
I. Concrete Technology Lab				
1	S.C.C Equipment	In Research, this equipment is used for finding properties of self-compacted concrete.	Grade :Manual Weight :20 Kg Portable :Yes Power Consumption: No Power Source :Manual	
2	Half-cell potentiometer	This meter is used to test corrosion of steel Reinforcement	Type : potential type Battery: 9 volt Display: led display Accuracy: +/- 1 millivot Power :230 volts ac supply to charge battery Sensor type : saturated cu-CU SO4 solution Cable: cables of 205 meter long.	
3	Accelerating curing Tank	It is used to get early high compressive strength in concrete and also used to find out 28 days compressive strength of concrete in 28 hours.	Material : Mild Steel Display :Digital Frequency : 50 Hz Usage/Application: Concrete testing machine Voltage: 220 V	
4	Strain Gauges	These are sensors which measure concrete strain, soil pressure, water pressure stress, displacement, inclination and other various physical quantities and convert them electrically	Size : 8mm X 12mm Gauge Length : 5mm Resistance : 350 Ohms Strain Display in “Micro strains” Least Count 1 Micro Strain	

5	Rebound hammer	It is used for estimating compressive strength of in place concrete. It is also used to test fresh concrete after final set. Used to assess the in-place uniformity of the concrete and also used to find out exact location of poor quality and deterioration in hardened concrete.	Weight: 6 lbs. (2.7 kg) Size:127 x 76 x 355 mm Shipping Weight:.2.7 kg Carrying Case: 394 x 292 x 64mm Dimensions:203 x 178 x 355 mm	
6	Air entrainment Device	It is used to determine entrapped air content of fresh concrete.	Capacity: 2 Liter Weight 2.6kg Pressure: 8 to 10 Bar Cylindrical measuring : 0.005 cubic meter	
7	Ultra Sonic Pulse Velocity Test	Used to observe the Structural changes of concrete which may occur with time, availability of cracks, voids, and other imperfections.	Measuring range: 0 – 3000 µs – accuracy +/- 0,1 µs Two 55kHz probes with connection cables. Calibrating cylinder and contact paste. Battery rechargeable pack NiMh 4,8V > 2000m/A with low battery condition alarm. External feeder 230V and battery charger 12V 500m/A. Weight: 2 kg approx.	
8	Load frame Apparatus	A 100Tonn Loading Frame is installed for studying the behavior of Beams, Columns, Beam-Column Joints & Slabs under different loading conditions	Capacity : 100tonn 4 columns of Size: 2.5m(b) X2.5m(d) X4m(H) Material : Steel	
II. Environmental Engineering Lab				
1	Muffle Furnace	Muffle furnace is used for high temperature testing applications such as loss-on-ignition or ashing. It can also be used to expose samples to a temperature or a specific period of time to allow subsequent characterization of physical changes or mechanical properties of organic and inorganic solids.	Temp. Range: 900 – 1100 C Accuracy: +/- 3-5 C Power: 3.5 KW Power Supply: AC Single Phase 230 V 50 HZ.	

2	B.O.D Incubation Chamber	It is especially used for determining levels of organic matter and nitrogen in waste water samples. The BOD incubator provides the required temperature for the growth of micro-organisms and allows to perform Bio chemical oxygen Demand on water and sewage.	Temp: 0 – 75 C Resoln.: 0.1 C Accuracy: 0.1 C Insulation: 80 mm. Shelves: 2 Display: LCD	
3	Water analysis Kit	Water analysis Kit is used to find the nitrate, nitrite, total chlorine, PH and hardness properties of water in the field. An Important kit for the Research work in the field of Environmental Engineering.	Chlorine Test Kit Hardness Test Kit	
4	COD Apparatus	This apparatus is used in quantification of organics in water which helps in the research on water and wastewater characteristics.	No. of Slots: 15 Weight: 7.00 lbs. Power Supply: AC 115/230V; 50/60 Hz Current: 2.4 / 1.2 A	
5	DO Analyzer	This apparatus is used for determination of dissolved Oxygen in water. It is very helpful in study of water for the usage in the aquatic life.	Range: 0 – 20 ppm Resoln.: 0.1 ppm Accuracy: 0.1 ppm Temp.: 0 – 100 C Display: 3.5 LED	
III. Geo-Technical Engineering lab				
1	C.B.R Test Kit	It is a penetration test Kit meant for the evaluation of sub grade strength in the design of pavements.	Dimensions L x W x H (mm): 645 x 470 x 1140 Current Specifications (mm): 220 V 50 Hz, 1 ph Motor (kW) : 0.75 Test Speed Range (mm/min) : 0.5 > 5 Max Horizontal Clearance (mm) : 260 Max Vertical Clearance (mm): 690 Min Vertical Clearance (mm): 260 Max Ram Stroke (mm): 100	
IV. Strength of materials Lab				
1	Beam Deflection Apparatus (Maxwell Reciprocal Theorem)	It is used for determination of the elastic modulus for beams of different materials, through studies of continuous beams with any type of loading.	Size of beam: 130x2x1cm, Types of beams material: Wooden, Aluminum, Weights: 500gm-4no, 1kg-2no.	
V. Transportation Engineering Lab				
1	Marshall Mix Design Apparatus	It is used to measure the resistance of cylindrical bituminous mix specimens to plastic flow under loading on the lateral surface.	Capacity – 50 KN Proving Ring – 25 KN Dial Gauge- 0.01×25 mm	

2	Stripping Point of bitumen	Determine the presence of water molecules in adhesion between the bitumen and aggregates.	Capacity of beakers – 500 ml R.P.M – 100 Size limit – 75 microns to 1.0 mm	

Details of the student Publications

S. No	Author Name	Title of the paper	Journal name & publisher Name	VOL. no., Issue No., page No. date	ISBN/ISSN No(On line & print)/DOI No
1	Sk. Mohammad	Analysis of Steel Frames with Bracings for Seismic Loads	IJCIET	Vol. 10, Issue 3, PP:316–329, Mar-19	ISSN: 0976 – 6308
2	K. Vamsi	Partial Replacement of Cement in Concrete with Granite Powder and Fine Aggregate with Saw Dust	IRJET	Vol. 6, Issue: 3, PP: 3210-3222, March 2019	ISSN: 2395-0072
3	K. Bhagavan Das	A Study on Strength Properties of Concrete by Partially Replacement of Fly Ash and Robo Sand	IJTIMES	Vol. 5, Issue 4, PP: 443 – 454, April 2019	ISSN: 2455 – 2585
4	K.Anusha	Structural Health Monitoring of Beam Retrofitted with SMA using Piezoelectric Transducers	IJSTR	Vol. 9, Issue 3, PP:5935-5937, Mar-20	ISSN: 2277 - 8616
5	K. Edukondalu	Effect on Concrete by Partially Replacement of Cement with Marble Powder and Fine Aggregates with Glass Powder	TEST Engg.& Management, The Mattingley Publishing Company Inc.	Vol. 83, PP: 23222-23226, Mar-Apr 2020	ISSN: 0193-4120
6	E. Mani	Mechanical Behavior of Fibre Reinforced Concrete Using Shape Memory Alloys	IJITEE	Vol 9, Issue 1, PP: 230 – 232 Nov-19	ISSN: 2278 - 3075
7	A.Venkata Sai Pavani	Impact of Chloride Attack on Basalt Fibre Reinforced Concrete	IJITEE	Vol 8, Issue 12, PP: 4467-4469, Oct-19	ISSN: 2278 - 3075
8	N. Narendra	Influence of Granite Cutting Waste and Recycled Concrete on Properties of Self Compacting Concrete	IJRTE	Vol 8, Issue 4, PP: 205-208, Nov-19	ISSN: 2277 - 3878
9	M. Chandana	Damage Analysis of Reinforced Concrete Beams Using Piezoelectric Sensors	IJRTE	Vol 8, Issue 4, PP: 3103 -3105, Nov 2019, 1126 (2021) 012061	ISSN: 2277 - 3878
10	Kota Sai Manohar	Application of EPS Geo - Foam and Geo - Membrane in Constriction Industry - Bridges, Embankments	ICTMIM IOP Publishing	1126 (2021) 012061	doi:10.1088/1757- 899X /1126 /1/ 012061
11	N. Ramesh Babu	Strength Characteristics of Concrete by Partial Replacement of Coarse Aggregate with Coconut Shells & Cement with Glass Powder	ICTMIM IOP Publishing	1126 (2021) 012060	doi:10.1088/1757-899X/1126/ 1/ 012060
12	R. Rama Krishna	Strengthening of Soil by adding Lime and Glass Fiber as Stabilizing Materials for the Construction of High-Rise Buildings	ICTMIM IOP Publishing	1126 (2021) 012070	doi:10.1088/1757-899X /1126/1/012070
13	T. Rakesh Reddy	A Review on Mechanical Properties of Self Compacting Concrete Incorporated with Various Types of Plastic Waste Aggregates	Materials Today Proceedings	Vol. 64, Part 2, PP:972-982	2214 – 7853, https://doi.org/10.1016/j.matpr.2022.05.075 (https://doi.org/10.1016/j.matpr.2022.05.075)
14	P. Kamal	Mechanical Behavior on Partial Replacement of Coarse Aggregate with Seashell in Concrete	IJARESM	Vol. 10, Issue 3, PP: 1962-1967, Mar 2022	ISSN:2455 -6211
15	D. Sai Koushik	Mechanical Behavior on Partial Replacement of Coarse Aggregate with Seashell in Concrete	IJARESM	Vol. 10, Issue 3, PP: 1962-1967, Mar 2022	ISSN:2455 -6211
16	A.Venkata Gopi	Partial Replacement of Coarse Aggregate with Coconut Shell and adding of Asbestos Fiber	IJARESM	Vol 10, Issue 3, Mar-22	ISSN: 2455 - 6211

C. Instructional Material

The department has been practicing the provision of instructional materials and resources for theory as well as practical courses for the students.

Details:

- Course Materials includes hand written lecture Notes, Text books
- PPTs, You tube Videos
- Fast track material for slow learners to improve pass percentage
- Lab Manuals for Surveying, Strength of Materials, Concrete Technology, Geo-Technical Engineering, Environmental Engineering and Transportation Engineering Laboratories.

D. Working Models/Charts/ Monograms

The department has been establishing the working models described below on the premises of the institute with funding provided by Srinivasa Educational Society.

Table 5.8.3.D1 List of Working Models available in institute

S.No	Name of the Working Model	Specifications	Images
1	Bio gas Plant	Helps the students to understand the concept of anaerobic digestion Process of Bio waste.	

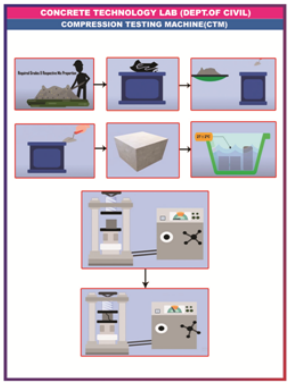
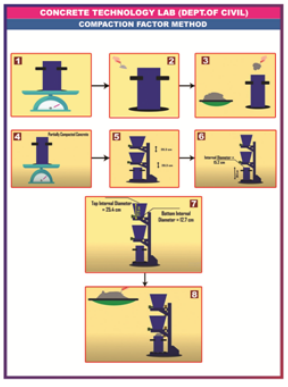
2	Sewage Treatment Plant	A 30KLD Sewage Treatment Plant was Installed to treat the sewage generated in institute and helps the students to understand the about sewage treatment	
3	Vermi-composting	8' X 6' composting chambers are used to treat organic waste to Manure with the help of warms.	
4	Rain water Harvesting Pit	6cum recharge pits constructed to collect the rain water in the institute premises	
5	RO water Treatment Plant	2000 LPH RO Treatment Plant Installed to treat the raw water and also helps the students to get an idea about treatment of Raw water	

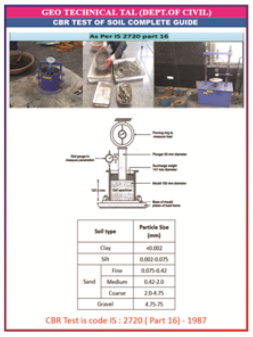
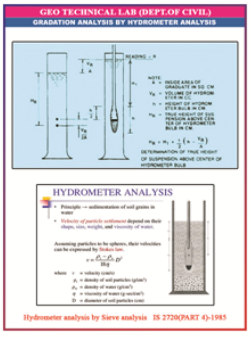
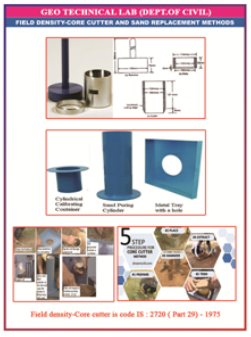
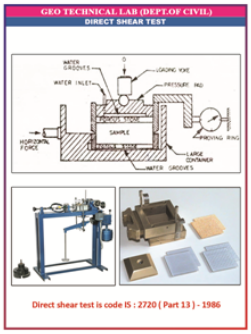
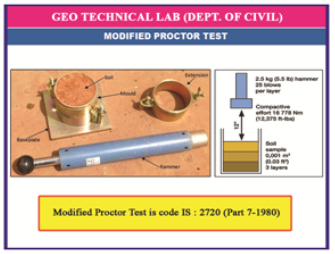
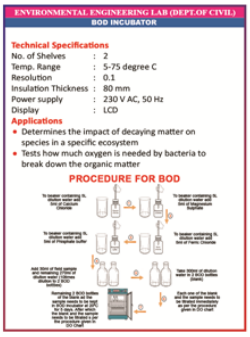
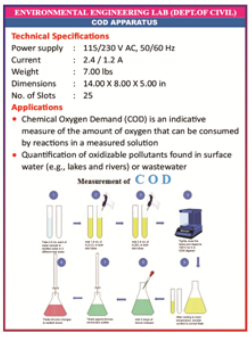
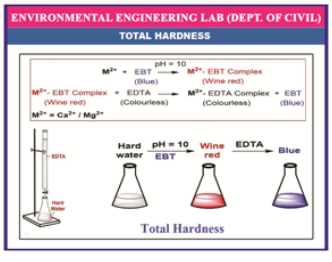
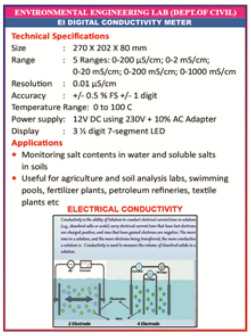
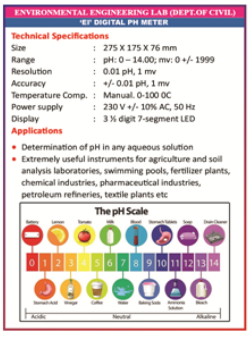
Table 5.8.3 D2 List of Prototypes available in department

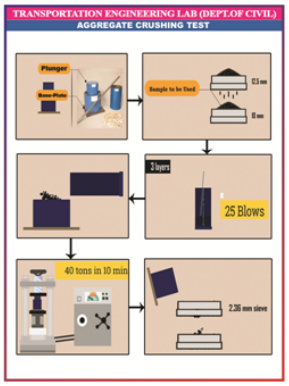
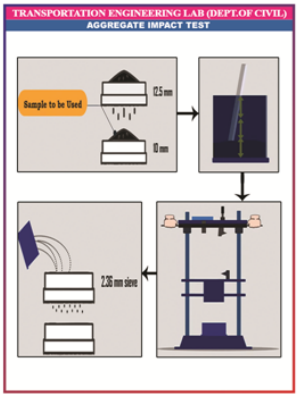
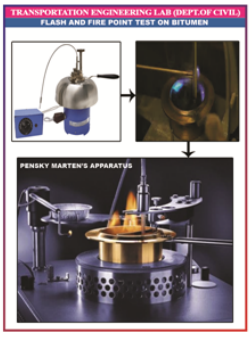
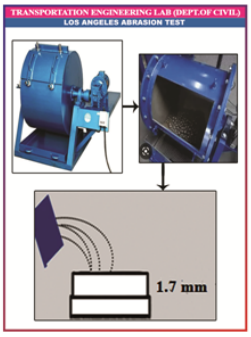
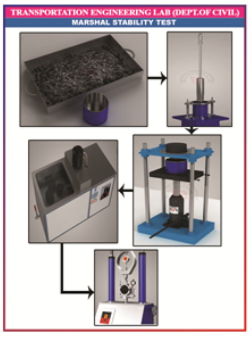
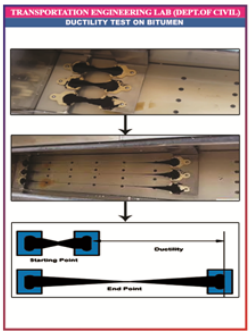
S.No	Name of Prototype	Image
1	Syphon Aqua duct	
2	Canal Drop	
3	Suppressed Weir	

4	Canal Regulators	
5	Level Crossing	
6	Earth crust Model	

Table 5.8.3.D3 List of Charts Available In Department

S.No	Name of Prototype	Image
1	Concrete Technology	 

2	Geotechnical Engineering	    
3	Environmental Engineering	    

4	Transportation Engineering	     

5.8.4 Consultancy (from Industry) (20)

Institute Marks : 20.00

2021-22 (CAYm1)

Project Title	Duration	Funding Agency	Amount(in Rupees)
Material Test F	2months 20 da	GSR Construct	95200.00
Material Test fc	4 Months	SANA INFRA	356000.00
Material test fo	3 Months	Akshith Infra	118000.00
			Total Amount(X): 569200.00

2020-21 (CAYm2)

Project Title	Duration	Funding Agency	Amount(in Rupees)
Cube Tests	1 Month	Gupthas Const	5500.00
Material Test F	2months 10 da	GSR Construct	82800.00
Wet Test for w	1 Month	SANA INFRA	144600.00
Material test fo	3 Months	Akshith Infra	182000.00
			Total Amount(Y): 414900.00

2019-20 (CAYm3)

Project Title	Duration	Funding Agency	Amount(in Rupees)
Coordinate Marking for villa	2 months	GSR Construct	122000.00
			Total Amount(Z): 122000.00

Cumulative Amount(X + Y + Z) = 1106100.00

5.9 Faculty Performance Appraisal and Development System (FPADS) (10) Total Marks 10.00

Institute Marks : 10.00

The institute has a thorough and well-defined mechanism for evaluating teacher performance and professional growth. The self-appraisal form is only collected once a year at the end of the academic year, after which the department head analyzes and passes it on to the principal. The management forms an expert panel to assess the effectiveness of the faculty and offer recommendations for future development.

All the criteria are given points, and each faculty is assessed according to the points they have earned. They should meet the basic standards for all relevant heads, including teaching, research and consultancy, rewards and recognitions, departmental activities, and campus administrative activities.

List of contents consider for evaluation are listed below

I. Academic and Career Profile
II. Contribution to Teaching and Learning

1. Academic Contributions
2. Use of participatory and innovative Teaching-Learning methodologies/ICT facilities used; updating of subject content, course improvement etc.
3. Content beyond syllabus covered for the Subject/Laboratory taught during the assessment period.
4. Percentage of student pass and feedback in the subjects/Laboratory taught during the assessment period.
5. UG/PG projects guided during assessment period
6. Research and academic contribution during the assessment period includes

- National & International Journal Publications.
- Conferences, books/Book chapters.
- Consultancy works.
- Patents filed/published/granted.
- Invited lectures/presentations/guest lecturers delivered in conferences, symposia, FDP's etc.

7. Refresher courses, STTP, Orientation courses, Teaching & Learning evolution programs, soft skills development programs, FDPs attended.
8. Professional development activities organized such as FDP's, Seminars, Conferences and STTP's etc.
9. Contribution to the development of Department/Institution through participation in academic and administrative comities and responsibilities.
10. Contribution to the Academics and Examinations (Question papers setting, evolution of answer scripts, invigilation and observer duty) during the assessment period.
11. Membership on professional bodies.
12. Any other contribution during the assessment period.

Figure 5.9: Sample Copy of Faculty Self Appraisal Form

SRINIVASA EDUCATIONAL SOCIETY'S
PACE INSTITUTE OF TECHNOLOGY & SCIENCES
(AUTONOMOUS)
Approved by AICTE, accredited by NBA & NAAC (A Grade), Recognized under 2(f) & 12(B) of UGC
Permanently Affiliated to JNTUK, Kakinada. A.P., An ISO 9001:2015 Certified Institution NH-16, Near Valluramma Temple, ONGOLE - 523 272, A.P., INDIA, Ph: 08592 278315, 9581456310 | www.pace.ac.in

FACULTY SELF APPRAISAL FORM

Academic Year XXXX-XXXX (DD-MM-YYYY to DD-MM-YYYY)

I. Academic and Career Profile

1. Name of the Faculty Member :
2. Name of the Department :
3. Designation :
4. Date of joining :
5. Qualification :

	Year of passing	Degree	Specialization
UG			
PG			
Ph.D			

6. Ph.D
   a. Details of Ph.D registration (Currently pursuing only) :
   b. Year of registration :
   c. Name of the university :
   d. Title of the Ph.D work :
   e. Status of Pre-Ph.d (Completed/Not completed) :
   f. Post-Doctoral research :

II. Contribution to Teaching and Learning

1. Academic Contributions
   a. Theory classes

S No	Semester	Name of subject	Class	Branch	No. of periods allotted	No. of periods handled	Remarks*

*Remarks – If there is any deviation explain the reasons

b. Laboratory classes

S No	Semester	Name of Laboratory	Class	Branch	No. of period allotted	No. of period handled	Remarks*

b. Research papers published in national journals:

S. No	Authors name, Title of the paper, Journal name, Volume, Issue and year	ISSN/ISBN/DOI	Impact factor	Scopus/SCI Indexed

c. Research papers published in international conferences:

S. No	Authors name, Title of the paper	ISSN/ISBN/DOI	Name of the conference	Conference organized by	Date

d. Research papers published in national conferences:

S. No	Authors name, Title of the paper	ISSN/ISBN/DOI	Name of the conference	Conference organized by	Date

e. Publications of books and monographs:

S. No	Name of the authors	Title of the Book/Monograph published by National/International/ other local publisher	Name of the publisher & ISSN/ISBN	Month & Year of publication

f. Research project:

S. No	Month, Year of project sanctioned and duration	Name of the sponsoring agency	Expected outcome	Status of the project

g. Consultancy works:

S. No	Month, Year of consultancy work sanctioned and duration	Name of the consultancy work	Expected outcome	Status of the project

h. Research guidance

S. No	Ph.d/M.Phil	Name of the Scholar	Name of the university	Whether registered/Thesis submitted/Degree awarded

i. Patents filed/published/granted

S. No	Name of the member	Title of the patent	File No. & Date	Design/Process	Filed/Published/ Granted & Year

j. Invited lectures/presentations/guest lecturers delivered in conferences, symposia, FDP's etc

S. No	Name of the conference/symposia/FDP's etc where lecture is delivered	Date & Place

7. Refresher courses, STTP, Orientation courses, Teaching & Learning evolution programs, soft skills development programs, FDPs attended

S. No	Name of the event	Dates & Duration	Organized by	Sponsored by

8. Professional development activities organized such as FDP's, Seminars, Conferences and STTP's etc

S. No	Name of the activity	No. of hours spent during assessment period	Dates & Duration

9. Contribution to the development of Department/Institution through participation in academic and administrative comities and responsibilities

S. No	Administrative responsibilities including as HOD/Convener/In-charge/Coordinator and any other duties assigned by HOD/Principal	Roles and responsibilities	Remarks*

10. Contribution to the Academics and Examinations (Question papers setting, evolution of answer scripts, invigilation and observer duty) during the assessment period

S. No	No. of hours spent on paper setting	No. of hours spent on invigilation	No. of hours spent on evolution of answer scripts	No. of hours spent on observer duty

11. Membership on professional bodies

S. No	Name of the professional membership	Year of enrollment	Membership No.	Remarks*

12. Any other contribution during the assessment period which is not covered above:

Signature of the faculty member

HOD Remarks

Principal Remarks

PRINCIPAL

Note: Enclose the proofs for journals and conference papers published (1st page only) / Research projects / IPR / Patents / Consultancy works

5.10 Visiting/Adjunct/Emeritus Faculty etc. (10) Total Marks 10.00

Institute Marks : 10.00

For a certain period of time, teachers are recruited from industries, other prestigious institutions, or retired academicians to enhance the students skills and prepare them for the workplace and society.

Goal : Transform students into technically superior, morally robust, and self-disciplined resources for the country by providing them with cutting-edge technological education.

Procedure : Day to Day Lesson Plans & Schedules are prepared for these programs.

Outcomes : extensive technical knowledge and an understanding of current conditions, which aids in the decision-making process when choosing a career option.

Details of Visiting / Adjunct / Emeritus Faculty for Academic Year: 2019-20

S.no	Details of Faculty	From	To	Year	Event	No. of hours
1	Mr.S.Ravi Kumar, Proprietor, S.R.Cad center, Guntur,9059867798	22-07-2019	22-08-2019	IV	E Tabs	42
3	Mr.Sk.kashim Trainer,S.R.Cad training center, Guntur, 9581638235,	26-08-2019	14-09-2019	III	REVIT Architecture	42
4	Mr.D. SrinivasaReddy, Proprietor, Pavan survey and engineering Associates,Hyd, 9908025003	16-09-2019	28-09-2019	II	Total station	42
Total Hours =						126

Details of Visiting / Adjunct / Emeritus Faculty for Academic Year: 2020-21

S.no	Details of Faculty	From	To	Year	Event	No. of hours
1	Mr.S.Ravi Kumar, Proprietor, S.R. CAD Training centers, Guntur, 9059867798	28-12-2020	26-12-2020	III	Revit Architecture	42
3	Mr.Madhu.k, Trainer, S.R. CAD Training centers, Guntur, 8179833095	28-01-2021	3-2-2021	IV	E Tabs	42
4	Mr.D. SrinivasaReddy, Proprietor, Pavan survey and engineering Associates,Hyd, 9908025003	6-4-2021	20-04-2021	II	Total station	42
5	Sk. Shabina, Trainer, S.R. CAD Training centers, Guntur, 9533416816	6-4-2021	3-5-2021	IV	Steel detailing	42
Total Hours =						168

Details of Visiting / Adjunct / Emeritus Faculty for Academic Year: 2021-22

S.no	Details of Faculty	From	To	Year	Event	No. of hours
1	Mr.Madhu.k, Trainerr, S.R. CAD Training centers, Guntur, 8179833095	01-11-2021	20-11-2021	III	Revit Architecture	42
2	S.Ravi Kumar, Trainer, S.R. CAD Training centers, Hyderabad,9059867798	01-11-2021	20-11-2021	IV	E Tabs	42
4	Mr.Bhanu prakash, Trainer, S.R. CAD Training centers, Guntur, 9014900917	02-03-2022	25-03-2022	IV	Steel detailing	42
5	D. SrinivasaReddy, Proprietor, Pavan survey and engineering Associates, Hyd, 9908025003	14-3-2022	04/05/2022	II	Total station	42
Total Hours =						168

6 FACILITIES AND TECHNICAL SUPPORT (80)

Total Marks 80.00

6.1 Adequate and well equipped laboratories, and technical manpower (40)

Total Marks 40.00

Institute Marks : 40.00

Sr. No	Name of the Laboratory	Number of students per set up(Batch Size)	Name of the Important Equipment	Weekly utilization status(all the courses for which the lab is utilized)	Technical Manpower Support		
					Name of the Technical staff	Designation	Qualification
1	STRENTH OF	5	Analog univers	24	V Mahendra	TECHNICIAN	B.Tech
2	SURVEYING F	5	Prismatic comp	24	M Mabu Subar	TECHNICIAN	B.Tech
3	FLUID MECHA	5	Impact of jet va	18	P Kasinadh	TECHNICIAN	B.Tech
4	ENGINEERINC	4	Strike ,dip ,pitc	18	SK Karishma	TECHNICIAN	B.Tech
5	CONCRETE TI	5	Compression t	24	T Sivakoti	TECHNICIAN	B.Tech
6	GEOTECHNIC	5	Casagrandes L	24	SK Karishma	TECHNICIAN	B.Tech
7	ENVIRONMEN	5	PH meter digit	24	V Varma	TECHNICIAN	B.Tech
8	TRANSPORTA	5	Aggregate Cru	24	U Veeranajane	TECHNICIAN	B.Tech
9	COMPUTER A	1	Desktop compu	36	Ch Sri hari	TECHNICIAN	B.SC(comp)
10	STRUCTURAL	3	Rebound Hamı	24	V Varma	TECHNICIAN	B.Tech

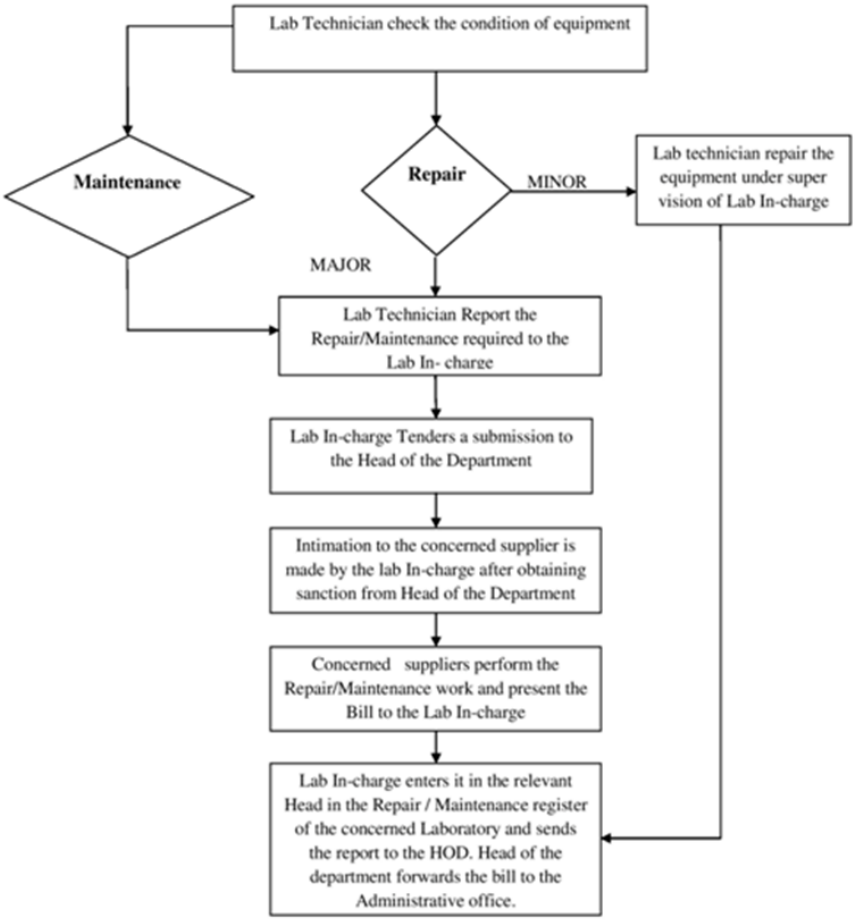
6.2 Laboratories maintenance and overall ambiance (10)

Total Marks 10.00

Institute Marks : 10.00

The maintenance and ambiance of all the laboratories in the Department of Civil Engineering are carried out in a proper way

Process for conducting maintenance and repair for lab equipment in the department:-



Maintenance:

Technical staff is available for maintenance of equipment's and software's Regular preventive maintenance of equipment is carried out before the commencement of the semester.

- If any minor repairs are noticed, they are carried out by the Laboratory assistants.
- Major repairs are outsourced by the following the procedure of the institution.
- Laboratory equipment's calibration & servicing are done frequently.
- A register is maintained in each lab to monitor the repair and servicing of each equipment/Instrument.
- Stock Register maintained.
- Software up gradation and scrap disposal done before commencement of semester.
- First Aid kit and Fire extinguishers are available in the laboratories, and are checked regularly.
- The tools and equipment are cleaned after completion of experiments.
- The labs are maintained clean and neat.
- The maintenance of computers is taken by CSE and I.T departments

Overall Ambiance:

All laboratories are equipped with necessary equipment/ software to meet the requirements of curriculum.

- Laboratories and equipment are kept clean and dust fire with regular cleaning and maintenance.
- In all laboratories, sufficient instructional area and working place is available.
- Laboratory manuals are available to the students in the respective labs.
- Sufficient natural lighting system is available, along with the artificial light in every corner of the rooms.
- Labs are furnished with white / black boards.
- A digital classroom is provided with LCD projector which is useful for presenting power point presentations and showing videos.
- Relevant IS code books are available for all the faculties and students for reference.
- Vision, Mission, PEOs, PSOs and faculty In - charge boards are displayed in all the laboratories.
- Lab layout, List of experiment, Do's and Don'ts boards are displayed.
- Safety instruction charts are displayed.

The overall Ambience of civil Engineering laboratories shown in Fig P.6.2.1 to P 6.2.10.

Fig P 6.2.1 Computer Aided Design Laboratory

Fig P 6.2.2 Concrete Technology Laboratory

Fig P 6.2.3 Surveying Field Work Laboratory

Fig P 6.2.4 Transportation Engineering Laboratory

Fig P 6.2.5 Geotechnical Engineering Laboratory

Fig P 6.2.6 Structural Engineering Laboratory (Load Farme of 100 tonnes capacity)

Fig P 6.2.7 Fluid Mechanics & Hydraulic Machinery Laboratory

Fig P 6.2.8 Environmental Engineering Laboratory

Fig P 6.2.9 Strength of Materials Laboratory

Fig P 6.2.10 Engineering Geology Laboratory

6.3 Safety measures in laboratories (10)

Total Marks 10.00

Institute Marks : 10.00

Sr. No	Laboratory Name	Safety Measures
1	Strength of Materials Lab	• First Aid box • Fire extinguisher • Safety instructions are displayed in the lab • Proper earthing • Don't operate the equipment, if you are not familiar with it.
2	Surveying Field works Lab	• First Aid box • Fire extinguisher • Safety instruction are displayed in the lab • Do's and DON'T's charts displayed in the lab • Don't use any equipment unless you are trained by a supervisor.
3	Fluid Mechanics & hydraulic Machinery Lab	• First Aid box • Fire extinguisher • Safety instructions are displayed in the lab • Proper earthing. • Don't bypass guards or safeties. • Don't operate the equipment, if you are not familiar with it.
4	Computer Aided Design Drawing Lab	• General Rules of Conduct in Laboratories are displayed • Specific Safety Rules for students are displayed. • First aid box, Fire extinguisher are kept in the Laboratory • Well trained technical supporting staff.. • Avoiding the use of damaged equipment and provides Needful equipment and components. • Periodical servicing of the lab equipment. • Avoiding the use of cell phones. • Appropriate storage areas.
5	Geo Technical Engineering Lab	• First Aid box • Fire extinguisher • Safety instructions are displayed in the lab • Proper earthing. • Don't operate the equipment, if you are not familiar with it. • Clean the equipment and accessories after use.
6	Environmental Engineering Lab	• Wear a chemical resistant Apron. • Wash acid, base or any chemical spill off yourself immediately. • Don't touch the chemicals with your hands. • Never taste the materials in the Lab. • First Aid box • Fire extinguisher • Safety instructions are displayed in the lab • Proper earthing • Don't smell a substance • Don't work in the lab without instructor.
7	Concrete Technology Lab	• Always perform the experiments or work , precisely as directed by the instructor. • First Aid box • Fire extinguisher • Safety instructions are displayed in the lab • Proper earthing. • Never leave experiments while in progress.
8	Transportation Engineering Lab	• Be careful while working with Bitumen and Tar. • First Aid box • Be careful when handling hot glassware and apparatus in the Laboratory. • Fire extinguisher • Safety instructions are displayed in the lab • Proper earthing
9	Engineering Geology Lab	• Bare feet are prohibited in Geology lab. • Follow the list of lab protocols posted in lab. • Don't touch the exhibits in the absence of Instructor • First Aid Box
10	Structural Engineering Lab	Always perform the experiments or work , precisely as directed by the instructor. • First Aid box • Fire extinguisher • Safety instructions are displayed in the lab • Proper earthing. • Never leave experiments while in progress.

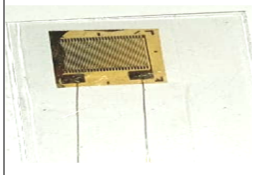
6.4 Project laboratory (20)

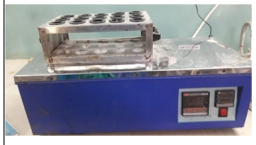
Total Marks 20.00

Institute Marks : 20.00

The main purpose of these Lab facilities for doing project works and the required research work in various emerging area of Civil Engineering. Technical staff is well trained for operating and maintaining the equipment. The Laboratories are also opened beyond the regular hours for experimentation, testing and consultancy assignments. The details of the facilities & project works done in these labs and the resulting publications are listed below.

Table 6.4.1: Details of the available facilities in project laboratory

Sl No.	Name of the facilities	Utilization	Images
1	Ultra Sonic Pulse Velocity Meter	An ultrasonic pulse velocity test is an in-situ, Non destructive test to check the quality of concrete and natural rocks. In this test, the strength and quality of concrete or rock is assessed by measuring the velocity of an ultrasonic pulse passing through a concrete structure or natural rock formation.	
2	Professional Detector (Bosch GMS – 120)	This allows a user to detect steel that is placed up to 4-5 inches deep in cured concrete or Hardened concrete.	
3	Self compacting Equipments	These equipments are used for finding fresh concrete properties of self compacting concrete.	
4	Half cell potentiometer	It is used for assessment of the durability of RCC and helps in Diagnosing reinforcement corrosion.	
5	Accelerating curing Tank	It is used for curing concrete and to get early compressive strength in concrete	
6	Strain Gauges	Strain gauges are devices that are commonly used by engineers to measure the effect of external forces on an object. They measure strain directly, which can be used to indirectly determine stress, pressure, Deflection, Torque and many other measurements.	
7	Load framing apparatus	Load frames testing utilises a high stiffness support structure against which the test forces can react.	
8	Rebound Hammer	A Schmidt hammer, also known as a Swiss hammer or a rebound hammer or concrete hammer test, is a device to measure the elastic properties or strength of concrete or rock, mainly surface hardness and penetration resistance.	

9	Air entrainment Detector	It is used to determine entrapped air content of fresh concrete	
10	Lateral Extensometer with Dial Gauge	Essential equipment for measuring the elongation of specimen. It used in tensile test and sense the elongation when testing is processing & to find elastic modulus of concrete material	
11	Longitudinal Compressometer with dial gauge	Evaluating deformation and strain characteristics of concrete cylinders while undergoing compression testing & to find elastic modulus of concrete material.	
12	Concrete Drum Mixer	Used to Mix the fresh concrete Uniformly and quickly.	
13	Muffle Furnace	Muffle furnace is used for high temperature testing applications such as loss-on-ignition. It can also be used to expose samples to a temperature or a specific period of time to allow subsequent characterisation of physical changes or mechanical properties of organic and inorganic solids.	
14	Biochemical Oxygen Demand(B.O.D) Incubation Chamber	It is especially used for determining levels of organic matter and nitrogen in waste water samples. The BOD incubator provides the required temperature for the growth of micro organisms and allows performing Bio chemical oxygen Demand on water and sewage.	
15	Chemical Oxygen Demand (COD) Incubation Chamber	Measures the amount of oxygen required to chemically oxidize the organic material and inorganic nutrients, such as Ammonia or Nitrate, present in water.	
16	Water analysis Kit	Water analysis Kit is used to find chloride, Iron and Hardness properties of water in the field.	

17	California Bearing Ratio Test (C.B.R Test)	It is a penetration test meant for the evolution of sub grade strength in the design of pavements.	
18	Beam Deflection Apparatus	It is used for determination of the elastic modulus for beams of different materials, through studies of continuous beams with any type of loading.	
19	Marshall Mix Design Apparatus	It is used to measure the resistance of cylindrical bituminous mix specimens to plastic flow under loading on the lateral surface.	
20	Water Absorption Test	It gives an idea on the internal structure of aggregate, concrete cubes and cylinders, bitumen	
21	Stripping Point of bitumen	Determine the presence of water molecules in adhesion between the bitumen and aggregates.	
22	Total Station survey Equipment. (Pentax A-205NE)	It is a surveying instrument combination of Electromagnetic Distance Measuring Instrument and Electronic Theodolite. The Instrument can be used to measure horizontal and vertical angles as well as sloping distance of object, widely used in construction activities, Alignment of Highway and Railway works and also in mine survey works.	
23	Auto level	It is an Optical Instrument used to establish or verify points in the same horizontal plane. It is used in used in surveying and building with a vertical staff to measure height differences and to transfer, measure and set heights quickly.	
24	Staad Pro	It is one of the popular software that is used for analyzing & designing structures like – buildings, towers, bridges, industrial, transportation, and utility structures.	
25	Primavera	It is one of the popular software that is used for project scheduling, planning, tracking and reporting:	

Table 6.4.2: Details of Projects Carried out under Project Laboratory

Year	Title of project
2018-19	Analysis of Steel Frames with Bracings for Seismic Loads
	Partial Replacement of Cement in Concrete with Granite Powder and Fine Aggregate with Saw Dust
	Study of Concrete by Replacement of Waste Paper Sludge Ash as a Partial Replacement in the Cement
	Study of Plastic Bricks made from Waste Plastic
	A Study on Strength Properties of Concrete by Partially Replacement of Fly Ash and Robo Sand
	Influence of Steel Fiber, electrical waste Copper Wire Fiber and Electrical Waste Glass Fiber on Mechanical Properties of Concrete
2019-20	Structural Health Monitoring of Beam Retrofitted with SMA using Piezoelectric Transducers
	Effect on Concrete by Partially Replacement of Cement with Marble Powder and Fine Aggregates with Glass Powder
	Mechanical Properties of Concrete by Replacing Cement with Egg Shell Powder and Fly Ash
	Mechanical Behaviour of Fibre Reinforced Concrete Using Shape Memory Alloys
	Influence of PET Waste on Mechanical Properties of Concrete
	Effect of RO Waste Water on Properties of Concrete
	Impact of Chloride Attack on Basalt Fibre Reinforced Concrete
	Influence of Granite Cutting Waste and Recycled Concrete on Properties of Self Compacting Concrete
	Bond Behavior of Epoxy Coated Re-bar Induced in Self Compacting Concrete
	Damage Analysis of Reinforced Concrete Beams Using Piezoelectric Sensors
	Strengthening of Reinforced Concrete Continuous Beams Using GFRP
2020-21	Application of EPS Geo - Foam and Geo - Membrane in Constriction Industry - Bridges, Embankments
	Strength Characteristics of Concrete by Partial Replacement of Coarse Aggregate with Coconut Shells & Cement with Glass Powder
	Strengthening of Soil by adding Lime and Glass Fiber as Stabilizing Materials for the Construction of High Rise Buildings
	Strength Characteristics of Concrete by Partial Replacement of Coarse Aggregate with Coconut Shells & Cement with Glass Powder
	Strengthening of Soil by adding Lime and Glass Fiber as Stabilizing Materials for the Construction of High RiseBuildings

2021-22	A Review on Mechanical Properties of Self Compacting Concrete Incorporated with Various Types of Plastic Waste Aggregates
	Experimental investigation of tensile, compression, shear and flexural behavior of Basalt fibre and glass fibre reinforced polymer bars
	Mechanical Behavior on Partial Replacement of Coarse Aggregate With Seashell in Concrete
	Partial Replacement of Coarse Aggregate with Coconut Shell and adding of Asbestos Fibe

6.4.3: Details of Paper Publications carried out under Project Laboratory

S. No	Author Name	Title of the paper	Journal name & publisher Name	VOL. no., Issue No., page No. 7 date	ISBN/ISSN No(On line & print)/DOI No
1	Sk. Mohammad	Analysis of Steel Frames with Bracings for Seismic Loads	IJCIET	Vol. 10, Issue 3, PP:316–329, March 2019	ISSN: 0976 – 6308
2	K. Vamsi	Partial Replacement of Cement in Concrete with Granite Powder and Fine Aggregate with Saw Dust	IRJET	Vol. 6, Issue: 3, PP: 3210-3222, March 2019	ISSN: 2395-0072
3	K. Bhagavan Das	A Study on Strength Properties of Concrete by Partially Replacement of Fly Ash and Robo Sand	IJTIMES	Vol. 5, Issue 4, PP: 443 – 454, April 2019	ISSN: 2455 – 2585
4	K.Anusha,	Structural Health Monitoring of Beam Retrofitted with SMA using Piezoelectric Transducers	IJSTR	Vol. 9, Issue 3, PP:5935-5937, March 2020	ISSN: 2277 - 8616
5	K. Edukondalu,	Effect on Concrete by Partially Replacement of Cement with Marble Powder and Fine Aggregates with Glass Powder	TEST Engineering & Management, The Mattingley Publishing Company Inc.	Vol. 83, PP: 23222-23226, Mar-Apr 2020	ISSN: 0193-4120
6	E. Mani,	Mechanical Behaviour of Fibre Reinforced Concrete Using Shape Memory Alloys	IJITEE	Vol 9, Issue 1, PP: 230 - 232 Nov 2019	ISSN: 2278 - 3075
7	A.Venkata Sai Pavani,	Impact of Chloride Attack on Basalt Fibre Reinforced Concrete	IJITEE	Vol 8, Issue 12, PP: 4467-4469 Oct 2019	ISSN: 2278 - 3075
8	N. Narendra	Influence of Granite Cutting Waste and Recycled Concrete on Properties of Self Compacting Concrete	IJRTE	Vol 8, Issue 4, PP: 205-208, Nov 2019	ISSN: 2277 - 3878
9	M. Chandana,	Damage Analysis of Reinforced Concrete Beams Using Piezoelectric Sensors	IJRTE	Vol 8, Issue 4, PP: 3103 -3105, Nov 2019	ISSN: 2277 - 3878
10	Kota Sai Manohar,	Application of EPS Geo - Foam and Geo - Membrane in Constriction Industry - Bridges, Embankments	ICTMIM IOP Publishing	1126 (2021) 012061	doi:10.1088/1757 - 899X /1126 /1/ 012061
11	N. Ramesh Babu,	Strength Characteristics of Concrete by Partial Replacement of Coarse Aggregate with Coconut Shells & Cement with Glass Powder	ICTMIM IOP Publishing	1126 (2021) 012060	doi:10.1088/1757 -899X/1126/ 1/ 012060
12	R. Rama Krishna,	Strengthening of Soil by adding Lime and Glass Fiber as Stabilizing Materials for the Construction of High Rise Buildings	ICTMIM IOP Publishing	1126 (2021) 012070	doi:10.1088/1757 -899X /1126/1/012070
13	T. Rakesh Reddy	A Review on Mechanical Properties of Self Compacting Concrete Incorporated with Various Types of Plastic Waste Aggregates	Materials Today Procrrdings	Vol. 64, Part 2, PP:972-982	2214 – 7853

14	P. Kamal	Mechanical Behaviour on Partial Replacement of Coarse Aggregate with Seashell in Concrete	IJARESM	Vol. 10, Issue 3, PP: 1962-1967, Mar 2022	ISSN:2455 - 6211
15	D. Sai Koushik	Mechanical Behaviour on Partial Replacement of Coarse Aggregate With Seashell in Concrete	IJARESM	Vol. 10, Issue 3, PP: 1962-1967, Mar 2022	ISSN:2455 - 6211
16	A.Venkata Gopi	Partial Replacement of Coarse Aggregate with Coconut Shell and adding of Asbestos Fiber	IJARESM	Vol 10, Issue 3, Mar 2022	ISSN: 2455 – 6211
17	Ch. Sai Praveen	Analysis of Steel Frames with Bracings for Seismic Loads	IJCIET	Vol. 10, Issue 3, PP:316–329, March 2019	ISSN: 0976 – 6308
18	G.Ganesh Naidu	Influence of Steel Fiber, electrical waste Copper Wire Fiber and Electrical Waste Glass Fiber on Mechanical Properties of Concrete	IOP Conference Series: Materials Science & Engineering	10th Asia Pacific Structural Engineering and Construction Conference 2018	doi:10.1088/1757-899X/513/1/012023
20	M Rama Harshita	Partial Replacement of Cement in Concrete with Granite Powder and Fine Aggregate with Saw Dust	IRJET	Vol. 6, Issue: 3, PP: 3210-3222, March 2019	ISSN: 2395-0072
21	V Raghu	Analysis of Steel Frames with Bracings for Seismic Loads	IJCIET	Vol. 10, Issue 3, PP:316–329, March 2019	ISSN: 0976 – 6308
22	Gopu Ganesh Naidu	Structural Health Monitoring of Beam Retrofitted with SMA using Piezoelectric Transducers	IJSTR	Vol. 9, Issue 3, PP:5935-5937, March 2020	ISSN: 2277 – 8616
23	G.Ganesh Naidu	Effect on Concrete by Partially Replacement of Cement with Marble Powder and Fine Aggregates with Glass Powder	TEST Engineering & Management, The Mattingley Publishing Company Inc.	Vol. 83, PP: 23222-23226, Mar-Apr 2020	ISSN: 0193-4120
24	M Sri Durga Vara Prasad	Structural Health Monitoring of Beam Retrofitted with SMA using Piezoelectric Transducers	IJSTR	Vol. 9, Issue 3, PP:5935-5937, March 2020	ISSN: 2277 – 8616
25	M Sri Durga Vara Prasad	Mechanical Behaviour of Fibre Reinforced Concrete Using Shape Memory Alloys	IJITEE	Vol 9, Issue 1, PP: 230 - 232 Nov 2019	ISSN: 2278 – 3075
26	R Hari Prasad	Influence of PET Waste on Mechanical Properties of Concrete	IJEAT	Vol X, Issue X, PP: 1-3, Nov 2019	ISSN: 2249 - 8958
27	G. Ganesh Naidu	Application of EPS Geo - Foam and Geo - Membrane in Constriction Industry - Bridges, Embankments	ICTMIM IOP Publishing	1126 (2021) 012061	doi:10.1088/1757-899X/1126/1/012061
28	P. Ravi Kumar	Strength Characteristics of Concrete by Partial Replacement of Coarse Aggregate with Coconut Shells & Cement with Glass Powder	ICTMIM IOP Publishing	1126 (2021) 012060	doi:10.1088/1757-899X/1126/1/012060
29	Ezri Babu	Strengthening of Soil by adding Lime and Glass Fiber as Stabilizing Materials for the Construction of High Rise Buildings	ICTMIM IOP Publishing	1126 (2021) 012070	doi:10.1088/1757-899X/1126/1/012070
30	M Sri Durga Vara Prasad	A Review on Mechanical Properties of Self Compacting Concrete Incorporated with Various Types of Plastic Waste Aggregates	Materials Today	Vol. 64, Part 2, PP: 976-982, 2022	2214 – 7853

7 CONTINUOUS IMPROVEMENT (75) Total Marks 75.00

7.1 Actions taken based on the results of evaluation of each of the COs, POs & PSOs (30) Total Marks 30.00

Institute Marks : 30.00

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

POs	Target Level	Attainment Level	Observations
PO 1 : Engineering Knowledge			
PO 1	2.1	2.23	The target level has been achieved. However, the following observations were made: The civil engineering curriculum requires a strong foundation of theoretical and practical knowledge, which the students study throughout their entire programme, improvement in correlating the theoretical concepts with applications is required.
Actions: 1. As the target was achieved for this batch, for the forthcoming batch target level is set to 2.30. 2. Visited industries that are working in core areas of civil engineering. Understand the design and construction processes to boost the technical knowledge. This also helped to understand the work ethics followed in different industries. 3. We encourage students to participate in technical events and other activities where their basic knowledge should translate into application matching at a defined level.			
PO 2 : Problem Analysis			
PO 2	2.1	2.17	The target level has been achieved. However, the following observations were made: •The problem-solving and analyzing skills gained through, primarily, first- and second-year courses help the students apply the principles in real-time applications and understand engineering science. •Exposure of the students to real-world problems is limited; hence, students are not able to visualize and relate to academic subjects.
Actions: 1. As the target was achieved for this batch, for the forthcoming batch target level is set to 2.25. 2. Gained knowledge on complex engineering problems and solutions from visiting the field or industry. 3. Provided access to research journals in the library for the students to read journal papers for the latest research. 4. Students are motivated to participate in science project exhibitions for the purpose of developing an analytical mind that can work towards problem solving.			
PO 3 : Design/development of Solutions			
PO 3	2.1	2.20	The target level has been achieved. Most of the projects developed by the student as part of a course, a mini-project, or a major project (in the final year) consider social and environmental issues.
Action: 1. As the target was achieved for this batch, for the forthcoming batch target level is set to 2.25. 2. Make students to take up project works that include and pertain to public health and safety and cultural, societal, and environmental considerations.			
PO 4 : Conduct Investigations of Complex Problems			
PO 4	2.1	2.26	The target level has been achieved. However, the following observations were made: Sometimes the studies do not end with valid conclusions. Courses required are being included, and the syllabus is being updated to include and inculcate the analysis and research skills.
Action: 1. As the target was achieved for this batch, for the forthcoming batch target level is set to 2.30. 2. Academic workshops are coming into play to apply more knowledge in terms of the conduct of experiments and the analysis of results at the required level. 3. Make students to do work on different areas in various courses like mini project, internships and main projects which are included in curriculum.			
PO 5 : Modern Tool Usage			
PO 5	2.1	2.34	The target level has been achieved. It is observed that upgrades of tools and resources are necessary to meet industry standards and research.
Action: 1. As the target was achieved for this batch, for the forthcoming batch target level is set to 2.40. 2. Modern labs are developed to learn and demonstrate the use of modern software tools like AutoCAD, Revit, E-Tabs, ArcGIS, Staad Pro, etc. to specify the fulfilment of requirements in engineering applications in the new industrial era.			
PO 6 : The Engineer and Society			
PO 6	2.1	2.12	Target level has been achieved. however following observation were made: • The courses of Civil Engineering are addressing the needs of, health, safety and social concerns regarding engineering practices in real life. • The students are found to be less active as far as social activities were concerned; also, they were unaware about the basic health and safety issues with engineering point of view.
Action: 1. As the target was achieved for this batch, for the forthcoming batch target level is set to 2.20. 2. Courses are available to practice on various professional codes and standards. 3. Students are motivated and made aware about the demands of engineering profession, duties towards society. 4. Encouraged students to take part in Swachh Bharat drives, Blood Donation Camps, Village visits etc. 5. Different types of social Awareness programs have been organized in college.			
PO 7 : Environment and Sustainability			
PO 7	1.8	2.26	Target level has been achieved. The issues of global and environmental awareness among the student have improved.
Action: 1. As the target was achieved for this batch, for the forthcoming batch target level is set to 2.30. 2. The activity like Tree Plantation has organized to encourage the students for understanding the responsibility towards environment 3. Courses, that deal with environmental and sustainability issues, have been introduced with the aim of understanding the impact of professional engineering solutions in societal and environmental contexts and understanding the need for bringing about sustainability in overall development.			
PO 8 : Ethics			
PO 8	1.8	1.72	Target level has not been achieved. The students are doing better in improving the overall expertise in field of engineering but due to less stress on communications and ethical/ moral knowledge.
Action: 1. As the target was not achieved for this batch, the target level remains the same for the next batch as 1.8. 2. Students are motivated and made aware about the demands of engineering profession, duties towards society & fellow human beings and importance of honesty and ethics 3. Make students to Participation in Co-Curricular activities and Games and promote commitment to ethical principles and an understanding of sportsmanship and that participation is more important than winning.			
PO 9 : Individual and Team Work			
PO 9	1.8	2.28	Target level has been achieved. The students seem ready for working both as individuals and in a team work.
Action: 1. 1. As the target was achieved for this batch, for the forthcoming batch target level is set to 2.30. 2. The laboratory work of the students is conducted by framing student groups so that students learn to work in a team environment. 3.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	1.8	2.21	Target level has been achieved. The communication, presentation and report writing skills are to be further improved among the students.

Action: 1. As the target was achieved for this batch, for the forthcoming batch target level is set to 2.25. 2. Soft skills training is imparted to students to enhance various aspects of communication/technical talks by group discussions, presentations and new learning outcomes. 3. Providing seminar hours to the students along with curriculum to enhance the presentation and communication skills. 4. Make students to participate in various technical events organized by other institutions.

PO 11 : Project Management and Finance

PO 11	1.8	1.44	Target level has not been achieved. Few courses of curriculum give knowledge of Management principle and applying managerial principles to his/her work including financial implications and to manage the project in multidisciplinary environments.
Action: 1. As the target was not achieved for this batch, the target level remains the same for the next batch as 1.8. 2. Training programs are conducted on the latest software's which will give the various quantity details. 3. Provided seminar hours to the students along with curriculum to enhance the presentation and communication skills. 4. Make students to participate in various technical events organized by other institutions.			

PO 12 : Life-long Learning

PO 12	1.8	2.26	Target level has been achieved. The pre final year and final year courses of the program are demonstrating the resource for contemporary issues and lifelong learning.
Action: 1. As the target was achieved for this batch, for the forthcoming batch target level is set to 2.30. 2. Existence of chapters of professional bodies/ societies like IEI, IGBC, etc. and events under the banner of these societies gives students opportunity to have a life long learning. The students are encouraged to take membership of these societies. 3. Industrial visits and internships are provided to get knowledge about requirement in the field.			

PSOs Attainment Levels and Actions for Improvement- (2021-22)

PSOs	Target Level	Attainment Level	Observations
PSO 1 : The graduates of this program with proficiency in mathematics and physical science will excel in the core areas of civil engineering such as structural, environmnental, geotechnical, transportation and water resources engineering.			
PSO 1	2.1	2.18	Target level has been achieved. The curriculum provides fundamental engineering concepts and technical knowledge with practical applications in diverse Civil engineering field.
Action: 1. As the target was achieved for this batch, for the forthcoming batch target level is set to 2.25. 2. Various training programs and advanced labs are make available to students to get more knowledge on various specialization. 3. Workshops, seminars, guest lectures and training programs were conducted to enhance the student technical proficiency to meet industry standards.			
PSO 2 : The graduates will plan, produce detailed drawing, write specifications, analyze,design and prepare cost estimates.			
PSO 2	2.1	2.24	Target level has been achieved. The courses of the program are demonstrating the resource fullness for contemporary issues. The project titles of the final year and pre-final year students are addressing the real-life problems.
Action: 1. As the target was achieved for this batch, for the forthcoming batch target level is set to 2.30. 2. Project works are encouraged that involve the usage of modern tools and techniques of Data Collection/ Surveying/ Analysis/ Planning.			
PSO 3 : The graduates will interact with stakeholders effectively and execute quality construction work applying necessary tools.			
PSO 3	2.1	1.9	Target level has not been achieved. The students are doing better in improving the overall expertise in field of engineering but due to less stress on industrial activities and construction techniques used at field, there is some lagging.
Action: 1. As the target was not achieved for this batch, the target level remains the same for the next batch as 2.10. 2. Advanced civil engineering profession tools are provided to students. 3. Industrial visits and interaction were planned to students with experts. 4. Internship was included in curriculum to know the needs of the industry.			

7.2 Academic Audit and actions taken thereof during the period of Assessment (15) Total Marks 15.00

Institute Marks : 15.00

The purpose of the academic audit is to evaluate the performance of the various departments, and appreciated their achievements and give suggestions for further improvement in the quality of teaching, research, administration, curricular, and extra-curricular activities. It is to assess the academic performance of the both individual faculty and the whole department.

Academic audit has two types namely internal and external.

Internal Academic Audit:

Internal audit is an in-house operation for self-introspection. It evaluates at the end of the each semester. Academic audit team is assigned by the principal on the recommendations of convenor of the academic audit committee.

Following documents are verified at the time of audit.

- Syllabus Coverage
- Question Bank of all courses
- Counselling files
- Attendance Registers
- Course files of both Theory & Lab
- Class teacher file
- Department files

The audit team verifies all the documents and submits the report to audit committee. The academic audit committee convener prepares the consolidated report along with recommendations and submits to the principal. The principal implement all the recommendations through Internal Quality Assurance Cell (IQAC).

External Academic Audit:

External audit has more reliability. It evaluates after the completion of the each academic year. Institute invites two professors from the prominent institutes.

Following documents are verified at the time of audit.

- Curricular Aspects
- Teaching-Learning and Evaluation
- Research and Innovation
- Student Progression
- Curricular, and extra-curricular activities

The audit team verifies all the documents and prepares and submits the non-compliance report along with the suggestions to principal. The principal implement all the feasible suggestions through IQAC.

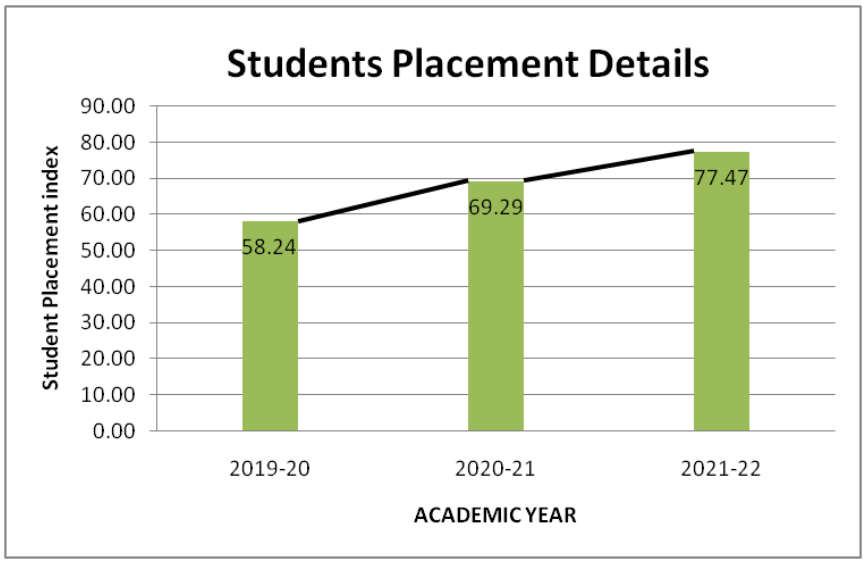
7.3 Improvement in Placement, Higher Studies and Entrepreneurship (10) Total Marks 10.00

Institute Marks : 10.00

Assessment is based on improvement in:

- **Placement:** number, quality placement, core industry, pay packages, etc.

Item	2021-22	2020-21	2019-20
Total No. of final year students excluding higher studied and entrepreneurs (N)	182	127	182
No. of students placed in companies (X)	141	88	106
Placement Percentage index: ((X/N)*100)	77.47	69.29	58.24



STUDENTS PLACEMENT DETAILS

ACADEMIC YEAR: 2021-22

S.No	ROLL NUMBER	STUDENT NAME	COMPANY NAME	SALARY	APPOINTMENT LETTER : REFERENCE NO./DATE	CORE/NON-CORE
1	18KQ1A0101	ANNAVARAPU SRAVANI	INFOSYS	3.60 LPA	1004421658	NON-CORE
2	18KQ1A0102	BADUGU RAJ KUMARI	VIRTUSA	4.5 LPA	6th sep 2022	NON-CORE
3	18KQ1A0103	BHAVANAM SIVA JYOTHI	ASCENT EMPOWERING THOUGHTS	2.2 LPA	ACSPL/HRD/EOL/164 131	CORE
4	18KQ1A0104	BIJJAM INDRAVATHI	INFOSYS	3.60 LPA	1003322556	NON-CORE
5	18KQ1A0105	BOREDDY KRISHNA VENI	RISHISHWAR CONSTRUCTRON (P) LTD	1.8 LPA	6th July 2022	CORE
6	18KQ1A0107	ARE AVINASH REDDY	GALCON ENGINEERING & CONSTRUCTIONS LTD	1.8 L PA	15th Oct 2022	CORE
7	18KQ1A0108	ARRIBOINA VENKATA GOPI	SOOD ASSOCIATES PVT.LTD	1.8 LPA	23rd Aug 2022	CORE
8	18KQ1A0109	BAKKA PREM KUMAR	GALCON ENGINEERING & CONSTRUCTIONS LTD	1.8 L PA	15th Oct 2022	CORE
9	18KQ1A0111	BATHULA MANOHAR	WIPRO	3.50 LPA	24342650- 26th March2027	NON-CORE
10	18KQ1A0112	BELLAMKONDA BALAJI	WIPRO	3.50 LPA	23517935- 21st March 2022	NON-CORE
11	18KQ1A0113	THATIPARTI SASI KUMAR REDDY	GALCON ENGINEERING & CONSTRUCTIONS LTD	1.8 L PA	15th Oct 2022	CORE
12	18KQ1A0115	BIRUDULA SAMUEL	SPN ENGINEERING ASSOCIATES	1.8 LPA	15th June 2022	CORE
13	18KQ1A0116	BODUGU YASWANTH	ITS	1.8 L PA	14st July 2022	CORE
14	18KQ1A0117	BOGANI NARESH	SV CONSTRUCTIONS	1.6 LPA	15th Sep 2022	CORE
15	18KQ1A0118	BOMMIDI BHAVESHKUMAR	SPN ENGINEERING ASSOCIATES	1.8 LPA	15th June 2022	CORE
16	18KQ1A0119	BRAHMANAKAKA VENKATESH	ACCENTURE	3.60 LPA	C11684155	NON-CORE
17	18KQ1A0120	CHALLAGALI PRAVEEN	SPN ENGINEERING ASSOCIATES	1.8 LPA	15th June 2022	CORE
18	18KQ1A0122	CHIMALADINNE GOPINADH	SOOD ASSOCIATES PVT.LTD	1.8 LPA	23rd Aug 2022	CORE
19	18KQ1A0123	CHINTALACHERUVU SAI TEJA	SPN ENGINEERING ASSOCIATES	1.8 LPA	15th June 2022	CORE
20	18KQ1A0125	CHUPPALA SRIHARI	PACE INFRA	1.8 L PA	21st June 2022	CORE
21	18KQ1A0126	D KARTHIK	SV CONSTRUCTIONS	1.6 LPA	15th Sep 2022	CORE
22	18KQ1A0127	DAMMU CHAKRI RAJ	LANARSY	1.8 L PA	4th Aug 2022	CORE
23	18KQ1A0128	VEMAVARAPU DEVADANAM	GALCON ENGINEERING & CONSTRUCTIONS LTD	1.8 L PA	15th Oct 2022	CORE

24	18KQ1A0129	PODILI BALAJI	LANARSY	1.8 L PA	4th Aug 2022	CORE
25	18KQ1A0130	DONDAPATI VENKATESWARLU	LANARSY	1.8 L PA	4th Aug 2022	CORE
26	18KQ1A0132	EADARA AJAY SHANKAR GANESH	MEIL	2.43 LPA	Meil/APP1890/2021-22	CORE
27	18KQ1A0133	GANDLA PEDA BABU	ITS	1.8 L PA	14st July 2022	CORE
28	18KQ1A0135	GANTA SURENDRA REDDY	LANARSY	1.8 L PA	4th Aug 2022	CORE
29	18KQ1A0137	KASI YASWANTH	SV CONSTRUCTIONS	1.6 LPA	15th Sep 2022	CORE
30	18KQ1A0138	GORANTLA VENKATA KRISHNA	LANARSY	1.8 L PA	4th Aug 2022	CORE
31	18KQ1A0141	GUMMA PEDDA KATAMRAJU	LADER AND LAND SURVEYS	1.8 LPA	3rd june 2022	CORE
32	18KQ1A0142	KOTI VENKATA THANOOJ	SV CONSTRUCTIONS	1.6 LPA	15th Sep 2022	CORE
33	18KQ1A0143	GURIJALA PAUL DEVKUMAR	LANARSY	1.8 L PA	4th Aug 2022	CORE
34	18KQ1A0147	JETTIBOINA SIVAIAH	RISHISHWAR CONSTRUCTRON (P) LTD	1.8 LPA	6th July 2022	CORE
35	18KQ1A0149	MANDAVA MAHESH	ELITE ENGINEERING AND & CONSTRUCTION PVT LTD	1.8 L PA	22nd Aug 2022	CORE
36	18KQ1A0151	MEENIGA BALA KASAIAH	PACE INFRA	1.8 L PA	21st June 2022	CORE
37	18KQ1A0152	NAGELLA ANAND BABU	SPN ENGINEERING ASSOCIATES	1.8 LPA	15th June 2022	CORE
38	18KQ1A0153	GOLI PAVAN KUMAR	MEIL	2.43 LPA	Meil/APP1890/2021-22	CORE
39	18KQ1A0154	NISSAMKAM SURESH	SV CONSTRUCTIONS	1.6 LPA	15th Sep 2022	CORE
40	18KQ1A0156	KAVALAKUNTLA NARESH	LANARSY	1.8 L PA	4th Aug 2022	CORE
41	18KQ1A0158	CHAVIDIBOINA VENKATA RAO	ASCENT EMPOWERING THOUGHTS	2.2 LPA	ACSPL/HRD/EOL/164135	CORE
42	18KQ1A0164	CHAMIREDDY NARENDRA	SV CONSTRUCTIONS	1.6 LPA	15th Sep 2022	CORE
43	18KQ1A0166	BETHA NARENDRA REDDY	SPN ENGINEERING ASSOCIATES	1.8 LPA	15th June 2022	CORE
44	18KQ1A0167	GUNTURU VAMSI KRISHNA	WIPRO	3.50 LPA	24143559- 26th March2023	NON-CORE
45	18KQ1A0168	KAKARLAPUDI JASWANTH VARMA	NCC LIMITED	3.2 LPA	2nd Sep 2022	CORE
46	18KQ1A0169	KAKUMANU AJAY	ELITE ENGINEERING AND & CONSTRUCTION PVT LTD	1.8 L PA	22nd Aug 2022	CORE
47	18KQ1A0172	KATAM SIVA SUBBA REDDY	PACE INFRA	1.8 L PA	21st June 2022	CORE
48	18KQ1A0173	KOMMU PRABHUDEVA	WIPRO	3.50 LPA	24142360- 26th March2029	NON-CORE
49	18KQ1A0174	KOMMU RAJKUMAR	PACE INFRA	1.8 L PA	21st June 2022	CORE
50	18KQ1A0175	KOSURI BHANU AKSHIT	RISHISHWAR CONSTRUCTRON (P) LTD	1.8 LPA	6th July 2022	CORE
51	18KQ1A0176	KOVURU TARA SASANK	ELITE ENGINEERING AND & CONSTRUCTION PVT LTD	1.8 L PA	22nd Aug 2022	CORE
52	18KQ1A0177	LAKKAMRAJU KRISHNA VAMSI	LADER AND LAND SURVEYS	1.8 LPA	2nd june 2022	CORE
53	18KQ1A0179	MADISETTI RAHUL SAI	SOOD ASSOCIATES PVT.LTD	1.8 LPA	23rd Aug 2022	CORE
54	18KQ1A0180	MADUGULA GOPI KRISHNA	GALCON ENGINEERING & CONSTRUCTIONS LTD	1.8 L PA	15th Oct 2022	CORE
55	18KQ1A0181	DASARI ANVESH	LADER AND LAND SURVEYS	1.8 LPA	2nd june 2022	CORE
56	18KQ1A0183	MANNAM MADHU	RR PROJECTS	2.40 LPA	24rd March 2022	CORE
57	18KQ1A0184	MANNAM RAKESH	WIPRO	3.50 LPA	24142459- 26th March2028	NON-CORE
58	18KQ1A0186	MEENIGA SIVA	LANARSY	1.8 L PA	4th Aug 2022	CORE
59	18KQ1A0188	MUNGARA SAMUEL	ELITE ENGINEERING AND & CONSTRUCTION PVT LTD	1.8 L PA	22nd Aug 2022	CORE
60	18KQ1A0189	NADIGADDA SRINU	RISHISHWAR CONSTRUCTRON (P) LTD	1.8 LPA	6th July 2022	CORE
61	18KQ1A0190	NAGANDLA LOKESH	PACE INFRA	1.8 L PA	21st June 2022	CORE
62	18KQ1A0191	NAMBURI KOTAIAH	RISHISHWAR CONSTRUCTRON (P) LTD	1.8 LPA	6th July 2022	CORE
63	18KQ1A0192	NANNASANI GURUKRISHNA	WIPRO	3.50 LPA	24538715-- 31st May 2022	NON-CORE
64	18KQ1A0194	PANDILLA VENKATA VINAY	PACE INFRA	1.8 L PA	21st June 2022	CORE
65	18KQ1A0195	PATTEM BRAMHA REDDY	LANARSY	1.8 L PA	4th Aug 2022	CORE
66	18KQ1A0196	PEETHA SRINIVASULU	ARISTA SERVICES	1.8 LPA	5th Aug 2022	CORE
67	18KQ1A0198	PESALA MAHESH	WIPRO	3.50 LPA	24143269- 26th March 2026	NON-CORE

68	18KQ1A0199	PIDATHALA VENKATESWARLU	PACE INFRA	1.8 L PA	21st June 2022	CORE
69	18KQ1A01A3	POTU PAVAN NARASIMHA KUMAR	ASCENT EMPOWERING THOUGHTS	2.2 LPA	ACSPL/HRD/EOL/164 134	CORE
70	18KQ1A01A4	PULLALACHERUVU RAMAKRISHNA	ASCENT EMPOWERING THOUGHTS	2.2 LPA	ACSPL/HRD/EOL/164 132	CORE
71	18KQ1A01A5	RAVULAPALLI SRI HARI	GALCON ENGINEERING & CONSTRUCTIONS LTD	1.8 L PA	15th Oct 2022	CORE
72	18KQ1A01A8	SHAIK MEERA AHAMMAD BASHA	PACE INFRA	1.8 L PA	21st June 2022	CORE
73	18KQ1A01A9	THANNEERU VENKATESH BABU	LADER AND LAND SURVEYS	1.8 LPA	2nd june 2022	CORE
74	18KQ1A01B0	PUVVADA SUDHA GOWTHAM	SV CONSTRUCTIONS	1.6 LPA	15th Sep 2022	CORE
75	18KQ1A01B3	DUGGIRALA RAJITHA	ELITE ENGINEERING AND & CONSTRUCTION PVT LTD	1.8 L PA	22nd Aug 2022	CORE
76	18KQ1A01B4	KILLARI PUJITHA	ACCENTURE	3.60 LPA	C11690015	NON-CORE
77	18KQ1A01B6	KONCHA ANUSHA	INFOSYS	3.60 LPA	1004255522	NON-CORE
78	18KQ1A01B7	MUNNANGI VINEETHA	ELITE ENGINEERING AND & CONSTRUCTION PVT LTD	1.8 L PA	22nd Aug 2022	CORE
79	18KQ1A01B9	PATAN SHABANA	ITS	1.8 L PA	14st July 2022	CORE
80	18KQ1A01C0	SUDDAPALLI MOUNIKA	ITS	1.8 L PA	14st July 2022	CORE
81	18KQ1A01C2	RAYAPUDI DEEPAK	ARISTA SERVICES	1.8 LPA	5thth Aug 2022	CORE
82	18KQ1A01C3	SANE ASHOK	RR PROJECTS	2.40 LPA	24rd March 2022	CORE
83	18KQ1A01C6	SHAIK ABDULRASHEED	PRANEETH GROUP	1.8 LPA	24th May 2022	CORE
84	18KQ1A01C7	SHAIK JALEEL AHMED	RISHISHWAR CONSTRUCTRON (P) LTD	1.8 LPA	7th July 2022	CORE
85	18KQ1A01C8	SHAIK MOHAMMED SALEEM	ELITE ENGINEERING AND & CONSTRUCTION PVT LTD	1.8 L PA	22nd Aug 2022	CORE
86	18KQ1A01C9	SHAIK RAFI	LADER AND LAND SURVEYS	1.8 LPA	2nd june 2022	CORE
87	18KQ1A01D0	SIBYALA VENKATA DILEEP KUMAR REDDY	RR PROJECTS	2.40 LPA	24rd March 2022	CORE
88	18KQ1A01D1	NAINALA RAKESH	PACE INFRA	1.8 L PA	21st June 2022	CORE
89	18KQ1A01D3	SURA KOTESWARA REDDY	RISHISHWAR CONSTRUCTRON (P) LTD	1.8 LPA	6th July 2022	CORE
90	18KQ1A01D4	SYED SHAHID	PRANEETH GROUP	1.8 LPA	24th May 2022	CORE
91	18KQ1A01D5	THALAKAYALA UDAY VARDHAN BABU	PACE INFRA	1.8 L PA	21st June 2022	CORE
92	18KQ1A01D6	THALLAPALLI UPENDRA	GALCON ENGINEERING & CONSTRUCTIONS LTD	1.8 L PA	15th Oct 2022	CORE
93	18KQ1A01D7	CHALLAGALI VENKATA NARASAIAH	PACE INFRA	1.8 L PA	21st June 2022	CORE
94	18KQ1A01D8	THORLIKONDA BRAHMENDRA	LANARSY	1.8 L PA	4th Aug 2022	CORE
95	18KQ1A01D9	THOTA RAGHU VAMSI	WIPRO	3.50 LPA	24144339-- 26th March2022	NON-CORE
96	18KQ1A01E0	THUMU MALLIKHARJUNA REDDY	CAPGEMINI	4.2 LPA	648366	NON-CORE
97	18KQ1A01E1	UPPALAPATI RAVI KIRAN	ARISTA SERVICES	1.8 LPA	5th Aug 2022	CORE
98	18KQ1A01E3	VAYALA HANUMANTHA RAO	PACE INFRA	1.8 L PA	21st June 2022	CORE
99	18KQ1A01E4	VEERLA MURALI BABU	WIPRO	3.50 LPA	22487821--26th March 2022	NON-CORE
100	18KQ1A01E5	VEMU GUNA SEKHAR	MEIL	2.43 LPA	Meil/APP1890/2021-22	CORE
101	18KQ1A01E6	YACHAVARAPU KAMAL KUMAR	LANARSY	1.8 L PA	4th Aug 2022	CORE
102	18KQ1A01E7	YADALA RAJA RATHAN POUWEL	ARISTA SERVICES	1.8 LPA	5th Aug 2022	CORE
103	18KQ1A01E8	ADUSUMALLI VAMSIKRISHNA	ELITE ENGINEERING AND & CONSTRUCTION PVT LTD	1.8 L PA	22nd Aug 2022	CORE
104	18KQ1A01F0	MUNTHA JACOB	ARISTA SERVICES	1.8 LPA	6th Aug 2022	CORE
105	18KQ1A01F1	DASARI YUVARAJ	CAPGEMINI	4.2 LPA	650242	NON-CORE
106	18KQ1A01F2	KONIKI SRINIVASULU	RISHISHWAR CONSTRUCTRON (P) LTD	1.8 LPA	6th July 2022	CORE
107	18KQ1A01F3	CHAVIDIBOINA VENKATA PAVAN KALYAN	LANARSY	1.8 L PA	4th Aug 2022	CORE
108	18KQ1A01F4	MEDAM MAHESWARA REDDY	NCC LIMITED	3.2 LPA	2nd Sep 2022	CORE
109	18KQ1A01F5	MUNNANGI VIJAY	ASCENT EMPOWERING THOUGHTS	2.2 LPA	ACSPL/HRD/EOL/164 135	CORE
110	18KQ1A01F6	OGIRALA RAJESWARI	TCS	3.6 LPA	DT20228215683	NON-CORE
111	18KQ1A01F7	PARRE RAMYA	ARISTA SERVICES	1.8 LPA	5th Aug 2022	CORE

112	18KQ1A01F8	VIKRUTHI SAIMAYUKHA	ITS	1.8 L PA	14st July 2022	CORE
113	18KQ1A01F9	UPPU DIVYA	WIPRO	3.50 LPA	24151278- 26th March2025	NON-CORE
114	18KQ1A01G0	SHAIK ARSHIYA	PRANEETH GROUP	1.8 LPA	24th May 2022	CORE
115	18KQ1A01G3	PUVADA VAMSI	PACE INFRA	1.8 L PA	21st June 2022	CORE
116	18KQ1A01G4	GONGATI KARUNAKAR	PRANEETH GROUP	1.8 LPA	24th May 2022	CORE
117	18KQ1A01G5	NUSUM YOGI REDDY	NCC LIMITED	3.2 LPA	2nd Sep 2022	CORE
118	18KQ1A01G6	ANGALAKURTHI AJAY KUMAR	ARISTA SERVICES	1.8 LPA	5th Aug 2022	CORE
119	18KQ1A01G7	YADLAPALLI DILEEP KUMAR	WIPRO	3.50 LPA	24142259- 26th march 2022	NON-CORE
120	19KQ5A0103	PATHAN AYESHA PARVEEN	ASCENT EMPOWERING THOUGHTS	2.2 LPA	ACSPL/HRD/EOL/164 133	CORE
121	19KQ5A0104	BOOSI SAI KALYAN	INFOSYS	3.60 LPA	1004400759	NON-CORE
122	19KQ5A0105	BANDI ANVESH	WIPRO	3.50 LPA	24142279- 26th March2022	NON-CORE
123	19KQ5A0106	YENDLURI RAMOJI RAO	PACE INFRA	1.8 L PA	21st June 2022	CORE
124	19KQ5A0108	NAYUDU KUMAR SWAMY	RR PROJECTS	2.40 LPA	24rd March 2022	CORE
125	19KQ5A0109	BODI LAKSHMANRAO	RR PROJECTS	2.40 LPA	24rd March 2022	CORE
126	19KQ5A0110	KONIKI KOTESWARA RAO	WIPRO	3.50 LPA	24132159- 26th March2024	NON-CORE
127	19KQ5A0111	KATTA PREM SAI	SV CONSTRUCTIONS	1.6 LPA	15th Sep 2022	CORE
128	19KQ5A0112	KUNCHALA SRINU	ARISTA SERVICES	1.8 LPA	5th Aug 2022	CORE
129	19KQ5A0113	SHAIK KHAJA MOINUDDIN	PACE INFRA	1.8 L PA	21st June 2022	CORE
130	19KQ5A0114	SHETTIPALLI YOGANAND	ARISTA SERVICES	1.8 LPA	5th Aug 2022	CORE
131	19KQ5A0115	DASARI RAVI VARMA	CAPGEMINI	4.2 LPA	650255	NON-CORE
132	19KQ5A0116	Y VIJAY KUMAR	SOOD ASSOCIATES PVT.LTD	1.8 LPA	23rd Aug 2022	CORE
133	19KQ5A0118	PONDURI RAGHU NADH REDDY	PRANEETH GROUP	1.8 LPA	24th May 2022	CORE
134	19KQ5A0119	AMANI SAI VAMSI	WIPRO	3.50 LPA	24142630 - 26th march 2022	NON-CORE
135	19KQ5A0120	PALETI KAMAL	TCS	3.6 LPA	DT20228215448	NON-CORE
136	19KQ5A0121	PULLAMSETTI SUNIL KUMAR	WIPRO	3.50 LPA	24107968--22nd arch2022	NON-CORE
137	19KQ5A0122	ILA BARATH REDDY	WIPRO	3.50 LPA	24144828--26th March 2022	NON-CORE
138	19KQ5A0123	BIJJAM SIVA KUMAR REDDY	LADER AND LAND SURVEYS	1.8 LPA	2nd june 2022	CORE
139	19KQ5A0125	DARLA SAIKOUSHIK	INFOSYS	3.60 LPA	1003256452	NON-CORE
140	19KQ5A0127	D PRAVEEN BABU	LANARSY	1.8 L PA	4th Aug 2022	CORE
141	19KQ5A0129	CHIRALA SREENU	TCS	3.6 LPA	DT20228224554	NON-CORE

ACADEMIC YEAR: 2020-21

S.No	ROLL NUMBER	STUDENT NAME	COMPANY NAME	SALARY	APPOINTMENT LETTER : REFERENCE NO./DATE	CORE/NON-CORE
1	17KQ1A0101	BAIG ARSHIYA	LANARSY	1.8 L PA	22nd sep 2021	CORE
2	17KQ1A0102	BANAVATH SANDHYA	WIPRO	3.50 LPA	22967645	NON-CORE
3	17KQ1A0104	GANDLA YESASWINI	LANARSY	1.8 L PA	22nd sep 2021	CORE
4	17KQ1A0105	KONDURU KOUSALYA	SPN ENGINEERING ASSOCIATES	1.8 LPA	16th Sep 2021	CORE
5	17KQ1A0106	KOVI RAJITHA	TCS	3.6 LPA	DT20219147683	NON-CORE
6	17KQ1A0107	LANKAPOTHU VIDYA SREE	ITS	1.8 L PA	21st july 2021	CORE
7	17KQ1A0108	MENDEM MRUDULA	LANARSY	1.8 L PA	22nd sep 2021	CORE
8	17KQ1A0110	SHAIK HEENA	TCS	3.6 LPA	DT20219200251	NON-CORE
9	17KQ1A0114	VUTIKONDA HEMA LATHA	NCC LIMITED	3.2 LPA	11th Nov 2021	CORE
10	17KQ1A0115	AREKONDA KESAVARAO	LANARSY	1.8 L PA	22nd sep 2021	CORE
11	17KQ1A0117	BATTULA SIVAIAH	PACE INFRA	1.8LPA	14th Sep 2021	CORE

12	17KQ1A0119	CHEGUNDI MAHESH BABU	SPN ENGINEERING ASSOCIATES	1.8 LPA	16th Sep 2021	CORE
13	17KQ1A0123	DASARI PRASANTH	NCC LIMITED	3.2 LPA	11th Nov 2021	CORE
14	17KQ1A0124	GOLLAPOTHU ARUNKUMAR	TCS	3.6 LPA	DT20229646297	NON-CORE
15	17KQ1A0129	KONDASINGU VENKATA ATCHYUTH KUMAR	PACE INFRA	1.8LPA	14th Sep 2021	CORE
16	17KQ1A0131	KUDUMALA SURESH	ACCENTURE	4.0 LPA	C10144765	NON-CORE
17	17KQ1A0132	KURAKULA SAI TEJA	PACE INFRA	1.8LPA	14th Sep 2021	CORE
18	17KQ1A0134	NALLABOTHULA JASWANTH VENKATA CHENNU	PACE INFRA	1.8LPA	14th Sep 2021	CORE
19	17KQ1A0135	NANDAMUDI VENKATA SIVAPRASAD	TCS	3.6 LPA	DT20229689707	NON-CORE
20	17KQ1A0137	P PRADEEP KUMAR REDDY	INFOSYS	3.6 LPA	1004302697	NON-CORE
21	17KQ1A0138	PALLAPOLU VENKAT SIVA SAI KUMAR REDDY	INFOSYS	3.6 LPA	1004304689	NON-CORE
22	17KQ1A0142	PULI THRINADH KUMAR	PACE INFRA	1.8LPA	14th Sep 2021	CORE
23	17KQ1A0144	RAMAVATH SAIDULU NAIK	TCS	3.6 LPA	DT20229661215	NON-CORE
24	17KQ1A0145	SANAM AJAYKUMAR	PACE INFRA	1.8LPA	14th Sep 2021	CORE
25	17KQ1A0147	SHAIK GOPIBASHA	WIPRO	3.50 LPA	22896736	NON-CORE
26	17KQ1A0150	SRIKANTH ARIBOINA	LANARSY	1.8 L PA	22nd sep 2021	CORE
27	17KQ1A0152	TALAPALA VASANTHA KUMAR	LANARSY	1.8 L PA	22nd sep 2021	CORE
28	17KQ1A0154	THOLUCHURI VENKATESWARLU	WIPRO	3.50 LPA	22956644	NON-CORE
29	17KQ1A0155	THONTLA NAGARJUNA REDDY	NCC LIMITED	3.2 LPA	11th Nov 2021	CORE
30	17KQ1A0157	UPPALA MANOJ KUMAR	SPN ENGINEERING ASSOCIATES	1.8 LPA	16th Sep 2021	CORE
31	17KQ1A0158	VALETI RAMBABU	PACE INFRA	1.8LPA	14th Sep 2021	CORE
32	17KQ1A0159	VANKADAVATH RAMUDU NAIK	NCC LIMITED	3.2 LPA	11th Nov 2021	CORE
33	17KQ1A0160	YELAGALA VEERA NAGENDRA BABU	PACE INFRA	1.8LPA	14th Sep 2021	CORE
34	17KQ1A0161	ANUVULASETTY ANJANI	INFOSYS	3.6 LPA	1004300759	NON-CORE
35	17KQ1A0162	DEEPTHI YARAMALA	NCC LIMITED	3.2 LPA	11th Nov 2021	CORE
36	17KQ1A0163	KANDULA MANI MOUNIKA	SPN ENGINEERING ASSOCIATES	1.8 LPA	16th Sep 2021	CORE
37	17KQ1A0164	KOVURU SRIKEERTHANA	SPN ENGINEERING ASSOCIATES	1.8 LPA	16th Sep 2021	CORE
38	17KQ1A0165	LINGAMGUNTA FRUTI	SPN ENGINEERING ASSOCIATES	1.8 LPA	16th Sep 2021	CORE
39	17KQ1A0166	MODE VANAJA	LANARSY	1.8 L PA	22nd sep 2021	CORE
40	17KQ1A0168	NARAHARI AISHWARYA	NCC LIMITED	3.2 LPA	11th Nov 2021	CORE
41	17KQ1A0169	NATARI PRASANNA KUMARI	INFOSYS	3.6 LPA	1004201658	NON-CORE
42	17KQ1A0171	RAMPATHOTI AMRUTHA	RISHISHWAR CONSTRUCTRON (P) LTD	1.8 LPA	29th Oct 2021	CORE
43	17KQ1A0172	TELLA SWAPNA	INFOSYS	3.6 LPA	1004201856	NON-CORE
44	17KQ1A0173	UCHULURI GAYATHRI	WIPRO	3.50 LPA	22997773	NON-CORE
45	17KQ1A0174	VALA HEMALATHA	TCS	3.6 LPA	DT20219147593	NON-CORE
46	17KQ1A0175	ANUMOLU AJAYKUMARREDDY	LADER AND LAND SURVEYS	1.8 LPA	7th Oct 2021	CORE
47	17KQ1A0177	ARATIVEMULA SAIKRISHNA	PACE INFRA	1.8LPA	14th Sep 2021	CORE
48	17KQ1A0178	AVULA SRIMANNARAYANA	PACE INFRA	1.8LPA	14th Sep 2021	CORE
49	17KQ1A0180	BALISETTY NAGA DINESH	PACE INFRA	1.8LPA	14th Sep 2021	CORE
50	17KQ1A0181	CHATLA BORRAIAH	RISHISHWAR CONSTRUCTRON (P) LTD	1.8 LPA	29th Oct 2021	CORE
51	17KQ1A0182	DONEMPUDI KALYAN	ITS	1.8 L PA	21st july 2021	CORE
52	17KQ1A0183	GANUGAPANTA VINOD KUMAR	PACE INFRA	1.8LPA	14th Sep 2021	CORE
53	17KQ1A0184	GOTTUMUKKALA RAVIDEVARAJU	INFOSYS	3.6 LPA	1004201672	NON-CORE
54	17KQ1A0185	IJAJ AHMMED SHAIK	PACE INFRA	1.8LPA	14th Sep 2021	CORE
55	17KQ1A0186	KALIKIVAI BALAJI	INFOSYS	3.6 LPA	1004304787	NON-CORE
56	17KQ1A0188	KANDUKURI SRI VENKATA SIVA SAI KUMAR	PACE INFRA	1.8LPA	14th Sep 2021	CORE

57	17KQ1A0189	KARANAM AKHIL	PACE INFRA	1.8LPA	14th Sep 2021	CORE
58	17KQ1A0191	KOLAKALURI KOTESH RAJ	PACE INFRA	1.8LPA	14th Sep 2021	CORE
59	17KQ1A0192	KOLAPALLI JYOTHI KIRAN	INFOSYS	3.6 LPA	1004300795	NON-CORE
60	17KQ1A0194	MELAM VENKATA RAMANA	PACE INFRA	1.8LPA	14th Sep 2021	CORE
61	17KQ1A0197	ORCHU RAJKUMAR	SPN ENGINEERING ASSOCIATES	1.8 LPA	16th Sep 2021	CORE
62	17KQ1A0198	PALLAPU PAVAN KALYAN	RISHISHWAR CONSTRUCTRON (P) LTD	1.8 LPA	29th Oct 2021	CORE
63	17KQ1A0199	PASAM SRINIVASA REDDY	PACE INFRA	1.8LPA	14th Sep 2021	CORE
64	17KQ1A01A0	PASUMARTHI PAUL SALOMAN RAJ	PACE INFRA	1.8LPA	14th Sep 2021	CORE
65	17KQ1A01A2	POKALA VISWANATH REDDY	TCS	3.6 LPA	DT20219147750	NON-CORE
66	17KQ1A01A3	POTHURAJU SARVESWARA RAO	PACE INFRA	1.8LPA	14th Sep 2021	CORE
67	17KQ1A01A4	PRAJAPATHI KAILASH KUMAR	LANARSY	1.8 L PA	22nd sep 2021	CORE
68	17KQ1A01A7	SAIMPU GOPI KRISHNA	LADER AND LAND SURVEYS	1.8 LPA	7th Oct 2021	CORE
69	17KQ1A01A8	SAVANAM SAGAR	PACE INFRA	1.8LPA	14th Sep 2021	CORE
70	17KQ1A01A9	SHAIK KARIMULLA	LADER AND LAND SURVEYS	1.8 LPA	7th Oct 2021	CORE
71	17KQ1A01B1	SHAIK RAHIM	ITS	1.8 L PA	21st july 2021	CORE
72	17KQ1A01B2	SHAIK SAMEERSURAJ	PACE INFRA	1.8LPA	14th Sep 2021	CORE
73	17KQ1A01B3	THANNEERU DURGA PRAVEEN	WIPRO	3.50 LPA	22957735	NON-CORE
74	17KQ1A01B8	NAGUBAMU YAHOSHUVA	LADER AND LAND SURVEYS	1.8 LPA	7th Oct 2021	CORE
75	17KQ5A0156	TULASI SANATH SAI KUMAR	PACE INFRA	1.8LPA	14th Sep 2021	CORE
76	18KQ5A0103	YADALA VENKATA NAGA SAI THARUN	LADER AND LAND SURVEYS	1.8 LPA	7th Oct 2021	CORE
77	18KQ5A0104	GUNDA PAVAN KALYAN	LADER AND LAND SURVEYS	1.8 LPA	7th Oct 2021	CORE
78	18KQ5A0105	THOLUCHURI KARTHIK	ACCENTURE	4.0 LPA	C10146443	NON-CORE
79	18KQ5A0106	SHAIK KHASIM	PACE INFRA	1.8LPA	14th Sep 2021	CORE
80	18KQ5A0107	MALLAVARAPU SRAVANI	ITS	1.8 L PA	21st july 2021	CORE
81	18KQ5A0109	DASARI SAILAJA	ACCENTURE	4.0 LPA	C11145869	NON-CORE
82	18KQ5A0111	GUNTURI NAVEENA	LANARSY	1.8 L PA	22nd sep 2021	CORE
83	18KQ5A0112	MATLAPUDI KOTAIAH	PACE INFRA	1.8LPA	14th Sep 2021	CORE
84	18KQ5A0115	A NAGARAJU	MEIL	2.43 LPA	Meil/APP1670/2020-21	CORE
85	18KQ5A0117	B AJAY KUMAR	MEIL	2.43 LPA	Meil/APP1580/2020-21	CORE
86	18KQ5A0118	KOYI PAVAN KUMAR	LANARSY	1.8 L PA	22nd sep 2021	CORE
87	18KQ5A0120	THANNIRU RAJKUMAR	WIPRO	3.50 LPA	22987862	NON-CORE
88	18KQ5A0122	KOKKILIGADDA SUBBA RAO	PACE INFRA	1.8LPA	14th Sep 2021	CORE

ACADEMIC YEAR: 2019-20

S.No	ROLL NUMBER	STUDENT NAME	COMPANY NAME	SALARY	APPOINTMENT LETTER : REFERENCE NO./DATE	CORE/NON-CORE
1	16KQ1A0101	BADDIPUDI SANDHYA	LANARSY	1.8 L PA	27th nov 2020	CORE
2	16KQ1A0102	DATLA PAVANI	TCS	3.36 LPA	DT20195671603	NON-CORE
3	16KQ1A0103	IDAMAKANTI HARITHA	WIPRO	3.50 LPA	21947762	NON-CORE
4	16KQ1A0104	KUMMITHA SIREESHA	WIPRO	3.50 LPA	21997736	NON-CORE
5	16KQ1A0106	MUTHYALA VENKATA SRAVANI	ASCENT EMPOWERING THOUGHTS	2.2 LPA	ACSPL/HRD/EOL/154135	CORE
6	16KQ1A0107	PALETI HARITHA	TCS	3.36 LPA	DT20195570538	NON-CORE
7	16KQ1A0111	SK SHABANA AZMI	ACCENTURE	3.6 LPA	C98455621	NON-CORE
8	16KQ1A0112	VALICHERLA NAGALAKSHMI	ACCENTURE	3.6 LPA	C97840102	NON-CORE
9	16KQ1A0113	VATTEM HIMA MAHESWARI	LANARSY	1.8 L PA	27th nov 2020	CORE

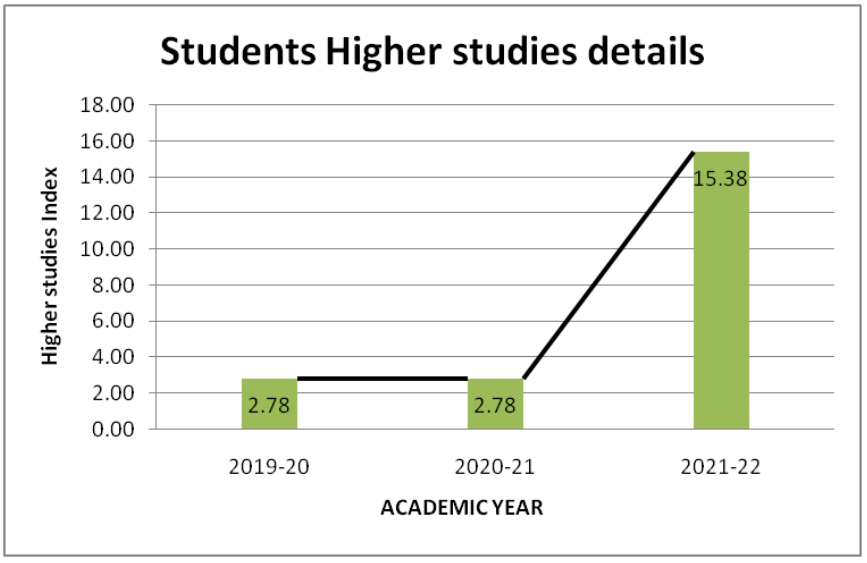
10	16KQ1A0114	YANAMADNI TRIVENI	SPN ENGINEERING ASSOCIATES	1.8 LPA	4th Nov 2022	CORE
11	16KQ1A0119	DARAM VENKATA KRISHNA REDDY	ASCENT EMPOWERING THOUGHTS	2.2 LPA	ACSPL/HRD/EOL/154132	CORE
12	16KQ1A0120	DASARI RAGHUVEER	ITS	1.8 L PA	15th sep 2020	CORE
13	16KQ1A0121	DEGA MADHAVA RAJU	TCS	3.36 LPA	DT20195671782	NON-CORE
14	16KQ1A0122	EGA SAI	INFOSYS	3.50 LPA	1003259845	NON-CORE
15	16KQ1A0125	GALAM ANIL KUMAR	PACE INFRA	1.8 LPA	12th Oct 2020	CORE
16	16KQ1A0126	GANDHAM VIJAYA BHASKAR	ELITE ENGINEERING & CONSTRUCTION PVT LTD	1.8 LPA	22nd oct2020	CORE
17	16KQ1A0127	GANGIREDDY SANDEEPREDDY	ELITE ENGINEERING & CONSTRUCTION PVT LTD	1.8 LPA	22nd oct2020	CORE
18	16KQ1A0130	GUNJI HEMANTH KUMAR	PACE INFRA	1.8 LPA	12th Oct 2020	CORE
19	16KQ1A0134	KARUMUDI CHAITANYA	LANARSY	1.8 L PA	27th nov 2020	CORE
20	16KQ1A0138	KONETI NAVEEN BABU	PACE INFRA	1.8 LPA	12th Oct 2020	CORE
21	16KQ1A0139	KUNCHALA MAHESH KUMAR	PACE INFRA	1.8 LPA	12th Oct 2020	CORE
22	16KQ1A0140	KUNCHALA RAJA	RISHISHWAR CONSTRUCTRON (P) LTD	1.8 LPA	8th Oct 2020	CORE
23	16KQ1A0143	NIDAMANURI CHIRANJEEVI	SPN ENGINEERING ASSOCIATES	1.8 LPA	4th Nov 2022	CORE
24	16KQ1A0146	RAMA MALLIKARJUNA RAO	PACE INFRA	1.8 LPA	12th Oct 2020	CORE
25	16KQ1A0148	SANIKOMMU MADHAVA	PACE INFRA	1.8 LPA	12th Oct 2020	CORE
26	16KQ1A0153	SIDDADAPU SRINIVASA SAI RAGHAVA	PACE INFRA	1.8 LPA	12th Oct 2020	CORE
27	16KQ1A0154	SK RABBANI	ITS	1.8 L PA	15th sep 2020	CORE
28	16KQ1A0155	SYED KHALID	PACE INFRA	1.8 LPA	12th Oct 2020	CORE
29	16KQ1A0157	UMMADISETTY KALYAN BABU	PACE INFRA	1.8 LPA	12th Oct 2020	CORE
30	16KQ1A0159	VYZA VENKATA RAMESH REDDY	PACE INFRA	1.8 LPA	12th Oct 2020	CORE
31	16KQ1A0160	YESUPOGU SAI	ELITE ENGINEERING & CONSTRUCTION PVT LTD	1.8 LPA	22nd oct2020	CORE
32	16KQ1A0161	GOLLA NAGANJALI	SPN ENGINEERING ASSOCIATES	1.8 LPA	4th Nov 2022	CORE
33	16KQ1A0162	GOTTU ROSHINI	ASCENT EMPOWERING THOUGHTS	2.2 LPA	ACSPL/HRD/EOL/154133	CORE
34	16KQ1A0163	GUNJI VINDHYALALASA	WIPRO	3.50 LPA	21987766	NON-CORE
35	16KQ1A0164	GUTTI MAHALAKSHMI	RISHISHWAR CONSTRUCTRON (P) LTD	1.8 LPA	8th Oct 2020	CORE
36	16KQ1A0167	MANNE VIJAYA DURGA	PRANEETH GROUP	1.8 LPA	15th Oct 2022	CORE
37	16KQ1A0168	PALLAMREDDY LAKSHMISOWJANYA	ACCENTURE	3.6 LPA	C97844116	NON-CORE
38	16KQ1A0169	RUDRU GAYATHRI	TCS	3.36 LPA	DT20195671336	NON-CORE
39	16KQ1A0170	SHAIK SIMRAN	SPN ENGINEERING ASSOCIATES	1.8 LPA	4th Nov 2022	CORE
40	16KQ1A0175	ATMAKURI SIVA KRISHNA	LANARSY	1.8 L PA	27th nov 2020	CORE
41	16KQ1A0177	CHINTHAGUNTLA HANOK	ELITE ENGINEERING & CONSTRUCTION PVT LTD	1.8 LPA	22nd oct2020	CORE
42	16KQ1A0185	KOLLAM JOEL THEODORE	ELITE ENGINEERING & CONSTRUCTION PVT LTD	1.8 LPA	22nd oct2020	CORE
43	16KQ1A0186	KOPERLA RAVI KIRAN	ELITE ENGINEERING & CONSTRUCTION PVT LTD	1.8 LPA	22nd oct2020	CORE
44	16KQ1A0189	MADDULURI SRINIVASULU	PACE INFRA	1.8 LPA	12th Oct 2020	CORE
45	16KQ1A0190	MAKKENA PRABHUDASU	TCS	3.36 LPA	DT20195570684	NON-CORE
46	16KQ1A0191	MANDLA AJAY KUMAR	PACE INFRA	1.8 LPA	12th Oct 2020	CORE
47	16KQ1A0194	ONGOLE VENKATESWARLU	PACE INFRA	1.8 LPA	12th Oct 2020	CORE
48	16KQ1A0196	ORSU RAJANI KANTH	ITS	1.8 L PA	15th sep 2020	CORE
49	16KQ1A0197	PALETI VENKATA BHARGAV	LANARSY	1.8 L PA	27th nov 2020	CORE
50	16KQ1A0198	PAMMI MADHUSUDANREDDY	PACE INFRA	1.8 LPA	12th Oct 2020	CORE
51	16KQ1A01A0	PODILA LAKSHMAN	INFOSYS	3.50 LPA	1003249859	NON-CORE
52	16KQ1A01A3	RAJAVOLU AMARANTH REDDY	ACCENTURE	3.6 LPA	C97844524	NON-CORE
53	16KQ1A01A4	SAPPARA VENKAT RAO	ITS	1.8 L PA	15th sep 2020	CORE
54	16KQ1A01B2	DEVARAPALLI SWARUPA	PRANEETH GROUP	1.8 LPA	15th Oct 2022	CORE

55	16KQ1A01B3	GOLAKARAM REVATHI SATYA PRIYA	LANARSY	1.8 L PA	27th nov 2020	CORE
56	16KQ1A01B4	KAMBHALA APARNA	TCS	3.36 LPA	DT20195600748	NON-CORE
57	16KQ1A01B6	MANCHALA PRIYANKA	ITS	1.8 L PA	15th sep 2020	CORE
58	16KQ1A01B9	NAINALA ASRITHA	ELITE ENGINEERING & CONSTRUCTION PVT LTD	1.8 LPA	22nd oct2020	CORE
59	16KQ1A01C0	PALLAPOLU GAYATHRI	RISHISHWAR CONSTRUCTRON (P) LTD	1.8 LPA	8th Oct 2020	CORE
60	16KQ1A01C1	PATNAM VENKATA SAI SRAVANI	INFOSYS	3.50 LPA	1003349670	NON-CORE
61	16KQ1A01C2	RAVURI SAI SAMYUKTHA	ITS	1.8 L PA	15th sep 2020	CORE
62	16KQ1A01C3	SHAIK ESHRATH FATIMA	ASCENT EMPOWERING THOUGHTS	2.2 LPA	ACSPL/HRD/EOL/154134	CORE
63	16KQ1A01C7	BOJJA KRISHNA	PACE INFRA	1.8 LPA	12th Oct 2020	CORE
64	16KQ1A01C9	CHAKKA SAINATH	LANARSY	1.8 L PA	27th nov 2020	CORE
65	16KQ1A01D0	DASARI MANIKANTA	PACE INFRA	1.8 LPA	12th Oct 2020	CORE
66	16KQ1A01D2	ELURI VENKATA GIRIBABU	PACE INFRA	1.8 LPA	12th Oct 2020	CORE
67	16KQ1A01D4	IRLA MALLEMKONDAIAH	PACE INFRA	1.8 LPA	12th Oct 2020	CORE
68	16KQ1A01E0	MANNAM BHANU PRASAD	LANARSY	1.8 L PA	27th nov 2020	CORE
69	16KQ1A01E2	MYLA PAVAN KUMAR	LANARSY	1.8 L PA	27th nov 2020	CORE
70	16KQ1A01E8	PINISETTY SAI LOKESH	TCS	3.36 LPA	DT20195570636	NON-CORE
71	16KQ1A01E9	RAMAVATH NAGA MALLESWAR NAIK	PACE INFRA	1.8 LPA	12th Oct 2020	CORE
72	16KQ1A01F3	YENUGULA SIVA	PACE INFRA	1.8 LPA	12th Oct 2020	CORE
73	16KQ1A01F7	THANNEERU VENKATA KALYAN	LANARSY	1.8 L PA	27th nov 2020	CORE
74	16KQ1A01F8	UPPALAPATI RAVIKUMAR	PACE INFRA	1.8 LPA	12th Oct 2020	CORE
75	16KQ1A01G0	VELPULA SRIKANTH REDDY	PACE INFRA	1.8 LPA	12th Oct 2020	CORE
76	17KQ5A0101	BAGIREDDY JYOTHY	PRANEETH GROUP	1.8 LPA	15th Oct 2022	CORE
77	17KQ5A0102	DEVARKONDA VISHNU PRIYA	TCS	3.36 LPA	DT20195672654	NON-CORE
78	17KQ5A0103	RAYANA SOUNDRARYA	PRANEETH GROUP	1.8 LPA	15th Oct 2022	CORE
79	17KQ5A0104	UNNAM ROJA	ITS	1.8 L PA	15th sep 2020	CORE
80	17KQ5A0106	APPALA UDAY SAI KUMAR	PACE INFRA	1.8 LPA	12th Oct 2020	CORE
81	17KQ5A0107	BANDI VENKATA SURESHBABU	PACE INFRA	1.8 LPA	12th Oct 2020	CORE
82	17KQ5A0108	BATTINI YASWANTH	RISHISHWAR CONSTRUCTRON (P) LTD	1.8 LPA	8th Oct 2020	CORE
83	17KQ5A0109	BERI CHANDRA SEKHAR	MEIL	2.43 LPA	Meil/APP1580/2020-21	CORE
84	17KQ5A0111	CHIKATI NAVEEN	ITS	1.8 L PA	15th sep 2020	CORE
85	17KQ5A0112	CHEEMALAMARRI HABEEB	PACE INFRA	1.8 LPA	12th Oct 2020	CORE
86	17KQ5A0113	CHODABATHINA BRAHMATEJA	PACE INFRA	1.8 LPA	12th Oct 2020	CORE
87	17KQ5A0115	GUNJI BHANU TEJA	RISHISHWAR CONSTRUCTRON (P) LTD	1.8 LPA	8th Oct 2020	CORE
88	17KQ5A0116	HARIVARAM RAMESH	PRANEETH GROUP	1.8 LPA	15th Oct 2022	CORE
89	17KQ5A0118	KALLURI PEDA MALAKONDAIAH	PACE INFRA	1.8 LPA	12th Oct 2020	CORE
90	17KQ5A0119	KAMMALAPATI SANTHOSH	SPN ENGINEERING ASSOCIATES	1.8 LPA	4th Nov 2022	CORE
91	17KQ5A0121	KUNCHALA VENKATA PRASAD	PACE INFRA	1.8 LPA	12th Oct 2020	CORE
92	17KQ5A0122	MATTIPATI NARASIMHAM	WIPRO	3.50 LPA	21987845	NON-CORE
93	17KQ5A0123	MELAM SIVANNARAYANA	RISHISHWAR CONSTRUCTRON (P) LTD	1.8 LPA	8th Oct 2020	CORE
94	17KQ5A0124	MIRIYALA SHANMUK SRINIVAS	PACE INFRA	1.8 LPA	12th Oct 2020	CORE
95	17KQ5A0125	PUVVADA BALA SAI KRISHNA	PACE INFRA	1.8 LPA	12th Oct 2020	CORE
96	17KQ5A0127	ALLA VENKATESH	ELITE ENGINEERING & CONSTRUCTION PVT LTD	1.8 LPA	22nd oct2020	CORE
97	17KQ5A0128	PALAPARTHI VENKATARAO	RISHISHWAR CONSTRUCTRON (P) LTD	1.8 LPA	8th Oct 2020	CORE
98	17KQ5A0132	PILLI VIJAY PAUL	MEIL	2.43 LPA	Meil/APP1670/2020-21	CORE

99	17KQ5A0134	SARIDE MANOJ KUMAR	RISHISHWAR CONSTRUCTRON (P) LTD	1.8 LPA	8th Oct 2020	CORE
100	17KQ5A0135	SHAIK KHASIM	RISHISHWAR CONSTRUCTRON (P) LTD	1.8 LPA	8th Oct 2020	CORE
101	17KQ5A0136	SYED SHAHUL	ASCENT EMPOWERING THOUGHTS	2.2 LPA	ACSPL/HRD/EOL/154137	CORE
102	17KQ5A0137	VANGA GURU PRASAD	PACE INFRA	1.8 LPA	12th Oct 2020	CORE
103	17KQ5A0138	VARRA MASTHAN REDDY	ELITE ENGINEERING & CONSTRUCTION PVT LTD	2.43 LPA	22nd oct2020	CORE
104	17KQ5A0141	SHAIK SHALU	PACE INFRA	1.8 LPA	12th Oct 2020	CORE
105	17KQ5A0142	TELLA MOSHE	LANARSY	1.8 L PA	27th nov 2020	CORE
106	17KQ5A0143	VENNAPUSA NAGARJUNA REDDY	PACE INFRA	1.8 LPA	12th Oct 2020	CORE

- **Higher studies**: performance in GATE, GRE, GMAT, CAT, etc. and admissions in premier institutions.

Item	2021-22	2020-21	2019-20
Total No. of final year students excluding placements and entrepreneurs (N)	39	36	72
No. of students admitted to higher studies with valid qualifying scores (GATE or equivalent State or National Level Tests, GRE, GMAT, etc.) (Y)	6	1	2
Higher studies Percentage index: ((Y/N)*100)	15.38	2.78	2.78



HIGHER STUDIES

ACADEMIC YEAR: 2021-22

S.NO	ROLL NO	FULL NAME	ENTRANCE TEST QUALIFIED	HALL TICKET NUMBER	UNIVERSITY NAME
1	18KQ1A0110	BALUSU YASWANTH KUMAR	GATE	CE22S57118070	NIT SHILCHAR
2	18KQ1A0178	MADDULURI MAHENDRA BABU	PG CET	7348630099	PACE
3	18KQ1A0140	GUDURI ARUN BABU	DUELINGO GRE	0663684	MESSORI STATE UNIVERSITY
4	18KQ1A0106	MEKALA NIVEDITHA	IELTS	Z6549616	PURDUE UNIVERSITY
5	19KQ5A0117	CH CHARAN TEJA	TOFEL	5271212227928420	
6	18KQ1A0182	M ANJANA REDDY	GRE	2343379	UNIVERSITY OF EAST LONDON

ACADEMIC YEAR: 2020-21

S.NO	ROLL NO	FULL NAME	ENTRANCE TEST QUALIFIED	HALL TICKET NUMBER	UNIVERSITY NAME
1	17KQ1A0120	CHILUMURI RAJESH	GATE	CE21S27116015	NIT WARANGAL

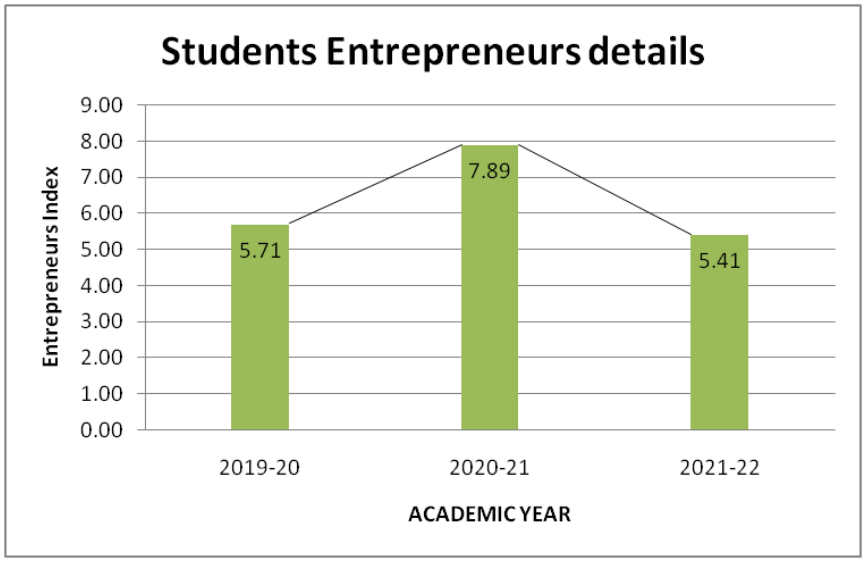
ACADEMIC YEAR: 2019-20

S.NO	ROLL NO	FULL NAME	ENTRANCE TEST QUALIFIED	HALL TICKET NUMBER	UNIVERSITY NAME
1	16KQ1A01B0	THATHAPUDI AMAR PRASANTH	IELTS	T3490863	UNIVERSITY OF TEXAS
2	17KQ5A0110	CHERUVUGATTU VINAY KUMAR	APPGECET	6349020162	PACE

- **Entrepreneurs**

Item	2021-22	2020-21	2019-20

Total No. of final year students excluding placements and higher studied (N)	35	38	74
No. of students turned entrepreneur in engineering/technology (Z)	2	3	4
Entrepreneurs Index: Z/N	5.71	7.89	5.51



ENTREPRENEURS DETAILS

ACADEMIC YEAR: 2021-22

S.NO	ROLL NO	FULL NAME	ENTREPRENUERS DETAILS
1	18KQ1A0139	NUTHALAPATI YASWANTH	MANIKANTA HALLOW BROCKS
2	18KQ1A01C1	KANALA VENKATA SAI KRISHNA	SRI LALITHA ARCHITECT& ENGINEERING

ACADEMIC YEAR: 2020-21

S.NO	ROLL NO	FULL NAME	ENTREPRENUERS DETAILS
1	17KQ1A0179	BALAGANI BRAHMAIAH	MASTER CONSULTANCY'S
2	17KQ1A0190	KATTA ABHILASH	SRI KRISHNA CONSTRUCTIONS
3	17KQ1A0196	MUDDANA PAVAN	SRI VENKATESWARA CEMENT PARKING TILES

ACADEMIC YEAR: 2019-20

S.NO	ROLL NO	FULL NAME	ENTREPRENUERS DETAILS
1	16KQ1A0149	SK. ASIF AHAMAD	SALEEM WATER PURIFIERS
2	16KQ1A0172	UPPUTURI LAKSHMI SIRISHA	LAKSHMI CEMENTS
3	16KQ1A01A5	SHAIK. SANDHANI	SANDHANI STEEL TRADERS
4	16KQ1A01D7	KUNCHALA KARTHIK	KARTHIK CEMENTS

7.4 Improvement in the quality of students admitted to the program (20) Total Marks 20.00

Institute Marks : 20.00

Item		2022-23	2021-22	2020-21
National Level Entrance Examination	No of students admitted	0	0	0
	Opening Score/Rank	0	0	0
	Closing Score/Rank	0	0	0
State/ University/ Level Entrance Examination/ Others	No of students admitted	78	97	159
EAPCET	Opening Score/Rank	76760	112980	12304
	Closing Score/Rank	166057	127132	126094
Name of the Entrance Examination for Lateral Entry or lateral entry details	No of students admitted	25	34	19
ECET	Opening Score/Rank	1041	785	430
	Closing Score/Rank	2828	3352	4991
Average CBSE/Any other board result of admitted students(Physics, Chemistry&Maths)		65.28	68.99	65.35

8 FIRST YEAR ACADEMICS (50)

Total Marks 44.90

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

Total Marks 5.00

Institute Marks : 5.00

Please provide First year faculty information considering load

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')
							CAY	CAYm1	CAYm2			
Y VEDASREE	AJUPY2895E	MA	30/04/2008	English	Assistant Professor	06/01/2017	100	100	100	Yes	Regular	
V.PRABHAKAF	AJHPV0671N	MA	30/11/2010	English	Assistant Professor	28/09/2020	100	100	100	Yes	Regular	
T.JHANSI LAK	CMIPD6983M	MA	30/12/2008	English	Assistant Professor	01/06/2019	100	100	100	Yes	Regular	
M.PUSHPAVAT	CWXPM3431L	MA	30/06/2011	English	Assistant Professor	01/06/2019	100	100	100	Yes	Regular	
A.SUHASINI	BHAPA4544D	MA	31/05/2013	English	Assistant Professor	27/01/2020	100	100	100	Yes	Regular	
M.SANDHYA F	BCXPM6029F	MA	30/04/2005	English	Assistant Professor	28/09/2020	100	100	100	Yes	Regular	
M.RAVEENDR	AYYPR2687L	M.Sc	30/10/2007	Mathematics	Assistant Professor	08/08/2011	100	100	100	Yes	Regular	
S.V.S.PHANEE	CMYPS2805K	M.Sc	30/04/1998	Mathematics	Assistant Professor	28/09/2020	100	100	100	Yes	Regular	
J.SEETHA	JODPS8648N	M.Sc	30/04/2018	Mathematics	Assistant Professor	01/09/2022	100	0	0	Yes	Regular	
Dr.V.HIMAMAH	AXQPV3208G	M.Sc. and PhD	30/05/2018	Physics	Associate Professor	17/10/2019	100	100	100	Yes	Regular	
N.NARASIMHA	ATGPN3113Q	M.Phil	05/02/2012	Physics	Assistant Professor	01/06/2018	100	100	100	Yes	Regular	
K.SRIRANJAN	DSHPK9325L	M.Sc	30/04/2007	Physics	Assistant Professor	17/10/2019	100	100	100	Yes	Regular	
M.JANARDHA	AHSPJ8480G	M.Sc	30/04/2005	Physics	Assistant Professor	15/05/2017	100	100	100	Yes	Regular	
Dr.M MALLI KA	CGWPM7867E	M.Sc. and PhD	29/07/2017	Environmental Sciences	Associate Professor	20/11/2017	100	100	100	Yes	Regular	
Dr.P.GIDYONU	CVTPP7014B	M.Sc. and PhD	16/03/2021	Chemistry	Assistant Professor	01/09/2021	100	100	0	Yes	Regular	
Dr.CH.VINUTH	AVZPV4660K	M.Sc. and Ph.D. (Chemistry)	29/01/2018	Chemistry	Associate Professor	05/04/2019	100	100	100	Yes	Regular	
CH.DV .SAI KU	BFJPC8845N	M.Sc	30/11/2015	Chemistry	Assistant Professor	19/09/2019	100	100	100	Yes	Regular	
B.ESWARI	BLSPB9968C	M.Sc	30/04/2011	Chemistry	Assistant Professor	28/09/2019	100	100	100	Yes	Regular	
S.LAKSHMI	CBCPG9870R	M.Sc	30/03/2004	Chemistry	Assistant Professor	01/11/2012	100	100	100	Yes	Regular	
M.HIMABINDU	CVOPM1277Q	M.Sc	30/04/2011	Chemistry	Assistant Professor	20/10/2021	100	100	0	Yes	Regular	
T.NAGENDRA	EVKPR4332D	M.Sc	30/12/2006	Chemistry	Assistant Professor	03/04/2020	100	100	100	Yes	Regular	
G.HARIPRIYA	BPMPG9604Q	M.Sc	30/04/2020	Chemistry	Assistant Professor	18/11/2022	100	0	0	Yes	Regular	
Mr.P. Sreehari	BBWPP1598J	M.E/M.Tech	06/01/2012	CSE	Assistant Professor	03/05/2014	100	100	100	Yes	Regular	
Miss.M. Dedee	CYCPK7632N	M.E/M.Tech	05/01/2018	CSE	Assistant Professor	15/06/2018	100	100	100	Yes	Regular	
G.Subbarao	AJWPG3711B	M.E/M.Tech	14/05/2014	CSE	Assistant Professor	13/08/2018	100	100	100	Yes	Regular	
K.Anusha	BAPPK2246C	M.E/M.Tech	02/01/2016	CSE	Assistant Professor	01/09/2021	100	100	0	Yes	Regular	
I.Meghana	AEAPI9420C	M.E/M.Tech	12/01/2020	CSE	Assistant Professor	18/10/2021	100	100	0	Yes	Regular	
S.Visweswara	EQIPS6158B	M.E/M.Tech	12/01/2017	CSE	Assistant Professor	06/01/2020	100	100	100	Yes	Regular	
J.Krishna Kish	JXZPK7024M	M.E/M.Tech	12/01/2012	CSE	Assistant Professor	17/06/2020	100	100	100	Yes	Regular	
Y. Sivaiah	AUTPY4534C	M.E/M.Tech	11/01/2021	CSE	Assistant Professor	12/06/2021	100	100	0	Yes	Regular	
D. Venkata Sri	CIUPD0964L	M.E/M.Tech	11/01/2021	CSE	Assistant Professor	12/06/2021	100	100	0	Yes	Regular	
P V Madhusud	BHSPP5372G	M.E/M.Tech	11/01/2012	CSE	Assistant Professor	07/10/2017	100	100	100	Yes	Regular	

M.Rajasekhar	DBOPM0341G	M.E/M.Tech	20/03/2019	EEE	Assistant Professor	03/03/2020	100	100	100	Yes	Regular	
S.Sreenu	GBKPS6548L	M.E/M.Tech	10/11/2013	EEE	Assistant Professor	13/08/2020	100	100	100	Yes	Regular	
D. Syam Kuma	BSQPD4184H	M.E/M.Tech	30/01/2017	MECH	Assistant Professor	28/09/2020	100	100	100	Yes	Regular	
Dr.K. Rajasekh	DGNPK0635M	ME/M. Tech and PhD	05/03/2022	MECH	Assistant Professor	28/09/2020	100	100	100	Yes	Regular	
K. Suresh Babı	DCAPK6527B	M.E/M.Tech	21/07/2008	MECH	Assistant Professor	28/09/2020	100	100	100	Yes	Regular	
T.ANUSHA	AJMPT8181A	M.E/M.Tech	23/11/2013	ECE	Assistant Professor	21/10/2021	100	100	0	Yes	Regular	
CH.MANASA	BCOPC1422P	M.E/M.Tech	10/08/2017	ECE	Assistant Professor	01/10/2021	100	100	0	Yes	Regular	
T.RAMAIAH	AJAPT9596P	M.E/M.Tech	30/03/2015	ECE	Assistant Professor	23/11/2015	100	100	100	Yes	Regular	
P.KIRAN BABU	AVHPP8016F	M.E/M.Tech	28/12/2013	ECE	Assistant Professor	28/09/2020	100	100	100	Yes	Regular	
Dr.P.RAMESH	ANSPP0160B	M.A and Ph.D	31/07/1996	English	Associate Professor	28/09/2020	0	100	100	No	Regular	02/07/2022
M.KALYANI	CTTPK5698G	M.Sc	08/02/2021	Mathematics	Assistant Professor	12/07/2021	100	100	0	Yes	Regular	
E.SIVA SAI	ADJPE1928R	M.Sc	02/09/2020	Mathematics	Assistant Professor	28/09/2020	0	0	100	No	Regular	31/07/2021
Dr.B.PURNA C	BJYPP1806P	MS and PhD	31/07/2012	Physics	Professor	04/12/2017	0	0	50	No	Regular	31/05/2021
M.Kranthi	ATUPM7900N	M.E/M.Tech	11/02/2013	CSE	Assistant Professor	05/01/2018	0	0	50	No	Regular	30/04/2021
G.PAVANI	AYVPG7080R	M.Sc	30/04/2008	Mathematics	Assistant Professor	25/11/2021	100	100	0	Yes	Regular	
Dr.L KRISHNA	ADJPL5146L	M.Sc. and PhD	30/05/2015	Mathematics	Professor	08/01/2018	0	100	100	No	Regular	30/09/2022
K.GURAVA RE	BCSPK6664D	M.Sc	30/04/2008	Chemistry	Assistant Professor	05/01/2016	0	100	100	No	Regular	30/09/2022
M.RAMA KOTA	CNBPM8008E	M.Sc	30/04/2010	Chemistry	Assistant Professor	28/09/2020	0	100	100	No	Regular	30/09/2022
Dr.M RAVI KUI	BWYPM5407N	M.Sc. and Ph.D. (Chemistry)	03/08/2015	Chemistry	Professor	28/09/2020	0	0	100	No	Regular	31/08/2021
A.MURALI KRI	AICPA9358B	MA	30/05/1997	English	Assistant Professor	28/09/2020	50	50	50	No	Regular	31/12/2022
Ms.AJP. SUVA	BGOPA3773P	MA	31/03/2006	English	Assistant Professor	03/08/2020	100	50	50	Yes	Regular	
Dr.S.RAMA MO	EQBPS2574G	M.Sc. and PhD	21/12/2019	Mathematics	Associate Professor	03/09/2022	100	0	0	Yes	Regular	
T RAVINDRAN	AKCPT3054H	M.Sc	28/02/2015	Physics	Assistant Professor	01/06/2019	100	100	100	Yes	Regular	
M.Saramma	NRIPS7663R	M.E/M.Tech	15/03/2020	EEE	Assistant Professor	01/08/2020	100	100	100	Yes	Regular	
V.MADHAVA R	BIGPM8430B	MA	30/01/2016	English	Assistant Professor	16/05/2022	100	0	0	Yes	Regular	
D KAVITHA	FJRPD1413F	M.E/M.Tech	10/08/2018	CIVIL ENGINEERING	Assistant Professor	22/11/2019	100	100	0	Yes	Regular	
Dr.K.LAKSHMI	BTVPK0162L	M.Sc. and PhD	31/01/2017	Mathematics	Associate Professor	06/06/2017	100	100	100	Yes	Regular	
B.MALLIKARJI	ANQPB4659M	M.Sc	30/04/1998	Mathematics	Assistant Professor	01/06/2019	100	100	100	Yes	Regular	
Dr.Endluri Venk	AAPPE4392N	ME/M. Tech and PhD	30/12/2020	CSE	Associate Professor	05/06/2017	100	100	100	Yes	Regular	
P.Pedababu	BGBPG9945A	M.E/M.Tech	07/07/2018	EEE	Assistant Professor	20/08/2020	100	100	100	Yes	Regular	
D.Balaram Rec	BJJPD4900M	M.Sc	20/03/2015	EEE	Assistant Professor	20/03/2020	100	100	100	Yes	Regular	
B.KOTESH BA	BFOPB5835E	M.Sc	30/04/2003	Chemistry	Assistant Professor	18/12/2017	100	100	100	Yes	Regular	
Dr.C.PAVAN KI	CSVPP4823M	M.Sc. and PhD	10/08/2016	Mathematics	Associate Professor	28/09/2019	0	0	100	No	Regular	05/07/2021
T.V SIVA NAGA	BCVPT7431A	M.Sc	30/04/2011	Mathematics	Assistant Professor	16/10/2020	100	100	100	Yes	Regular	
CH.RATNA RA	AMKPC0569J	MA	31/03/1994	English	Assistant Professor	26/10/2020	100	50	50	Yes	Regular	

A.SIVA RAM P	AWOPA7459D	M.Sc	13/04/2013	Mathematics	Assistant Professor	02/09/2013	100	50	100	Yes	Regular	
V BALA GURA	GAGPR6914E	M.Sc	30/04/2018	Mathematics	Assistant Professor	28/09/2020	50	50	50	Yes	Regular	
B.MAHALAKA	BGCPB0519G	M.Sc	30/04/2016	Mathematics	Assistant Professor	28/09/2020	100	50	100	Yes	Regular	
R.KAVYA	HSNPK2265R	M.Sc	30/06/2022	Mathematics	Assistant Professor	03/09/2022	100	0	0	Yes	Regular	
Dr.SD.RAFI	DWXPS1602A	M.Sc. and Ph.D. (Chemistry)	09/06/2022	Chemistry	Assistant Professor	22/12/2021	100	100	0	Yes	Regular	
Dr.B.HARI BAE	ATZCB0248F	M.Sc. and PhD	13/06/2022	Mathematics	Assistant Professor	20/07/2009	100	100	100	Yes	Regular	
SD.NOUSHEE	HVLPS8403J	M.Sc	30/06/2020	Chemistry	Assistant Professor	10/11/2020	100	100	100	Yes	Regular	
O SRI ROOPA	ACIPO2890G	M.Sc	30/04/2008	Chemistry	Assistant Professor	08/10/2022	100	0	0	Yes	Regular	
M. Anusha	CWAPM3041D	M.E/M.Tech	19/12/2016	MECHANICAL ENGINERRING	Assistant Professor	28/12/2016	100	100	100	Yes	Regular	
U.MANJULA	DGEPM5547K	M.E/M.Tech	13/05/2017	ECE	Assistant Professor	22/03/2021	100	100	0	Yes	Regular	
T VENKATA PF	AUNPT0627K	M.E/M.Tech	04/10/2022	CIVIL ENGINEERING	Assistant Professor	14/10/2022	100	0	0	Yes	Regular	
K.BALA CHAN	APAPB4859D	M.Sc	28/04/2006	Mathematics	Assistant Professor	19/09/2013	0	100	100	No	Regular	16/08/2022
G.RAMESH BA	AUJPG7243E	M.Sc	30/04/2005	Physics	Assistant Professor	03/03/2012	100	100	100	Yes	Regular	
N VEERANJAN	ALSPN1594P	MA	30/04/2010	English	Assistant Professor	01/05/2018	0	50	100	No	Regular	22/04/2022
Dr.M.GANAPA	ASQPG8287K	M.Sc. and PhD	30/06/2018	Mathematics	Associate Professor	07/01/2019	0	0	100	No	Regular	22/07/2021
Dr.P.BRAHMAI	AYBPB6195Q	M.Sc. and PhD	01/08/2019	Zoology	Associate Professor	28/09/2020	100	100	100	Yes	Regular	
Dr.UDAYABHA	BZHPP6688J	ME/M. Tech and PhD	14/10/2020	ECE	Assistant Professor	02/09/2019	100	100	0	Yes	Regular	
K.SRINIVASUL	BKIPK5360A	M.Sc	30/04/1997	Mathematics	Assistant Professor	10/01/2013	0	50	50	Yes	Regular	
CH.KOTI REDI	AITPC0590Q	M.Sc	28/04/2006	Mathematics	Assistant Professor	17/10/2013	50	50	50	Yes	Regular	
K.SUBBA RAO	CKMPK5853K	M.Sc	30/11/2010	Mathematics	Assistant Professor	06/03/2014	50	50	50	Yes	Regular	
A.NAGAMALLI	ASLPA8302Q	M.Sc	28/08/2007	Mathematics	Assistant Professor	01/06/2019	100	50	100	Yes	Regular	
E.NARASAMM	AAZPE0839J	M.Sc	30/04/2007	Mathematics	Assistant Professor	01/06/2018	50	50	50	Yes	Regular	
CH.V.SUBRAM	BDXPC8524L	M.Sc	31/03/2008	Mathematics	Assistant Professor	25/11/2021	50	50	0	No	Regular	31/01/2023
Mr.M.Venkata I	GKOPP8634K	M.E/M.Tech	01/04/2019	CSE	Assistant Professor	04/09/2019	100	100	100	Yes	Regular	
K.MADHU BAE	DTKPK6602J	MA	30/04/2013	English	Assistant Professor	28/09/2020	0	0	100	No	Regular	30/08/2021
SK.NAZER HU	KQKPS8352D	MA	31/12/2009	English	Assistant Professor	02/09/2019	0	0	100	No	Regular	30/08/2021
B.VEERASHAI	BBWPB1382E	M.Sc	30/04/2007	Mathematics	Assistant Professor	03/08/2019	0	0	100	No	Regular	30/08/2021
L.SRINIVAS	ALFPL1306E	M.Sc	30/04/2007	Mathematics	Assistant Professor	03/08/2019	0	0	100	No	Regular	30/08/2021
V.VENKATA RA	AYVPV7786P	M.Sc	30/04/2007	PHYSICS	Assistant Professor	28/10/2020	0	0	100	No	Regular	30/08/2021
B.Thirumalarac	CLZPB5877N	M.E/M.Tech	01/08/2018	CSE	Assistant Professor	01/09/2018	0	50	100	No	Regular	06/06/2022
K.CHINA DEVI	DMIPK7448M	MA	30/04/2011	English	Assistant Professor	02/09/2019	100	100	100	Yes	Regular	
T.Silpa	BKEPT2774F	MA	31/12/2018	English	Assistant Professor	02/09/2019	100	60	100	Yes	Regular	
B.Ayyappa jyot	BLUPB4226M	MA	31/12/2018	English	Assistant Professor	02/09/2019	100	100	100	Yes	Regular	
A.RAJU	BFXPA9896P	M.Sc	30/04/2016	Physics	Assistant Professor	02/09/2019	100	100	100	Yes	Regular	

Year	Number Of Students(approved intake strength) N	Number of Faculty members(considering fractional load) F	FYSFR (N/F)	*Assessment=(5*20)/FYSFR(Limited to Max.5)
2020-21(CAYm2)	1020	74	14	5
2021-22(CAYm1)	1020	76	13	5
2022-23(CAY)	1140	79	14	5
Average	1060	76	13	5

AverageFYSFR: 0.00

Assessment [(5 * 15) / AverageFYSFR]: 5.00

8.2 Qualification of Faculty Teaching First Year Common Courses (5) Total Marks 3.67

Institute Marks : 3.67

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	6	46	51	3.00
2021-22	8	57	51	4.00
2022-23	9	62	57	4.00

Average Assessment: 3.67

8.3 First Year Academic Performance (10) Total Marks 6.23

Institute Marks : 6.23

Academic Performance	CAYm1(2021-22)	CAYm2(2020-21)	CAYm3 (2019-20)
Mean of CGPA or mean percentage of all successful students(X)	5.82	6.22	5.88
Total Number of successful students(Y)	104.00	171.00	187.00
Total Number of students appeared in the examination(Z)	104.00	168.00	168.00
API [X*(Y/Z)]	5.82	6.33	6.54

Average API[(AP1+AP2+AP3)/3] : 6.23

Assessment = Average API : 6.23

8.4 Attainment of Course Outcomes of first year courses (10) Total Marks 10.00

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) Institute Marks : 5.00

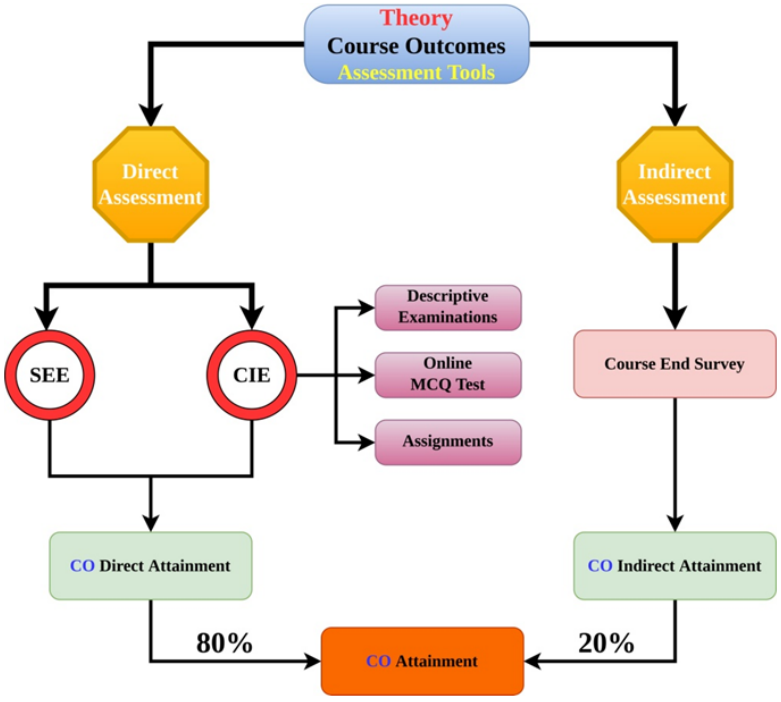
For the Evaluation of attainments CO's both direct and indirect assessment methods are used. The 80% weightage is considered for direct assessment which includes internal assessments (like Mid-examinations, Assignments, Day to Day Evaluations, etc) and Semester end examinations. The remaining 20% weightage is based on course-end survey.

Internally developed excel spreadsheets are used for direct assessment. Feedback forms based on CO's were framed for each class and the feedback was taken from students for indirect assessment.

CO attainment process

The first year curriculum comprises of various types of courses like Theory Courses, Laboratory Courses, and Mandatory courses.

Theory Attainment Process



Theory:

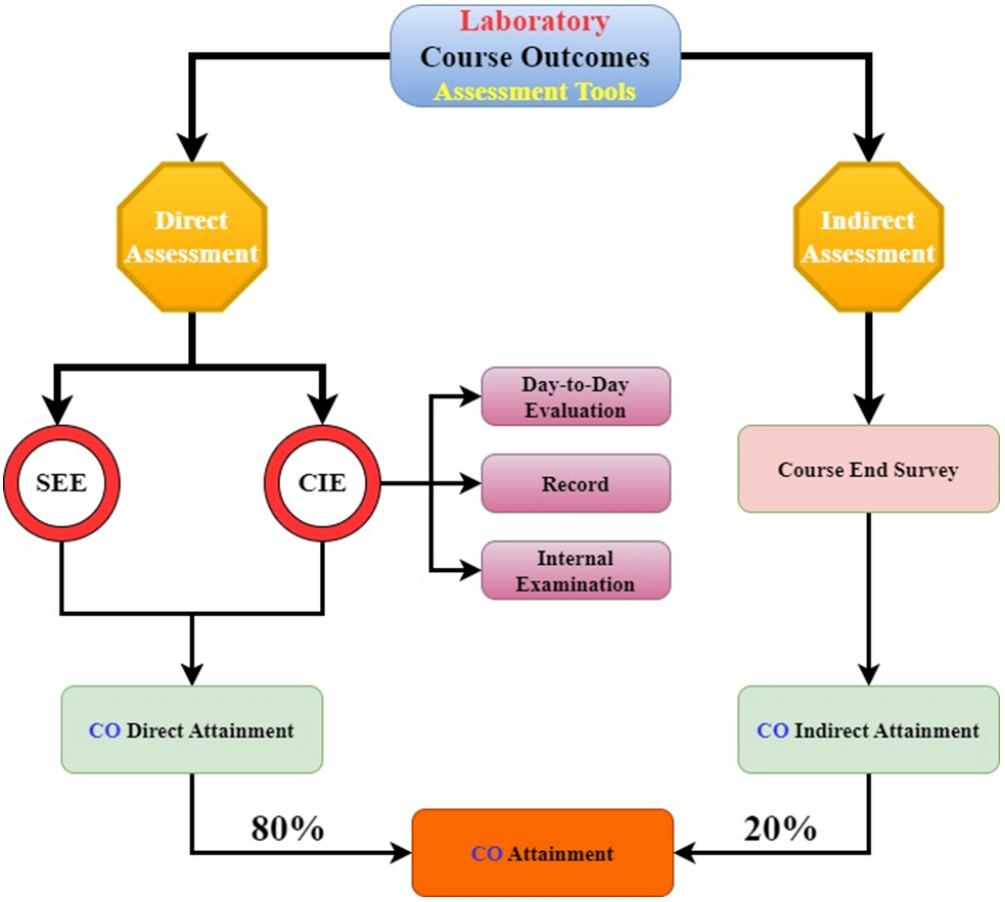
Mid-Examinations: Two mid-examinations are conducted for each semester. Mid-examinations serve to encourage students to keep up with course content covered. The Mid examination is of 90 minutes for 15 marks. The questions are framed in such a way that they should map Bloom's taxonomy, whereas each question is mapped to the respective course outcomes, which was evaluated based on the set attainment levels. The Multiple choice questions of 10 marks is also evaluated in both mid's of each course.

Assignments: Students are assigned course-related work and their submissions are evaluated on the basis of work quality. A total of 2 assignments are given per course where each assignment carries 5 Marks.

Semester-End Examination: The semester-end examination is 180 minutes duration of 70 marks and covers the entire syllabus of the course. The questions are framed in such a way that they should satisfy Bloom's taxonomy, where as each question is mapped to the concurred course outcomes of the course. The CO's are evaluated based on the set attainment levels.

All direct assessment such as Mid-examinations, Assignments & Semester end examinations covers 80% of weightage and Indirect assessment consists of a course-end survey which comprises 20% of weightage.

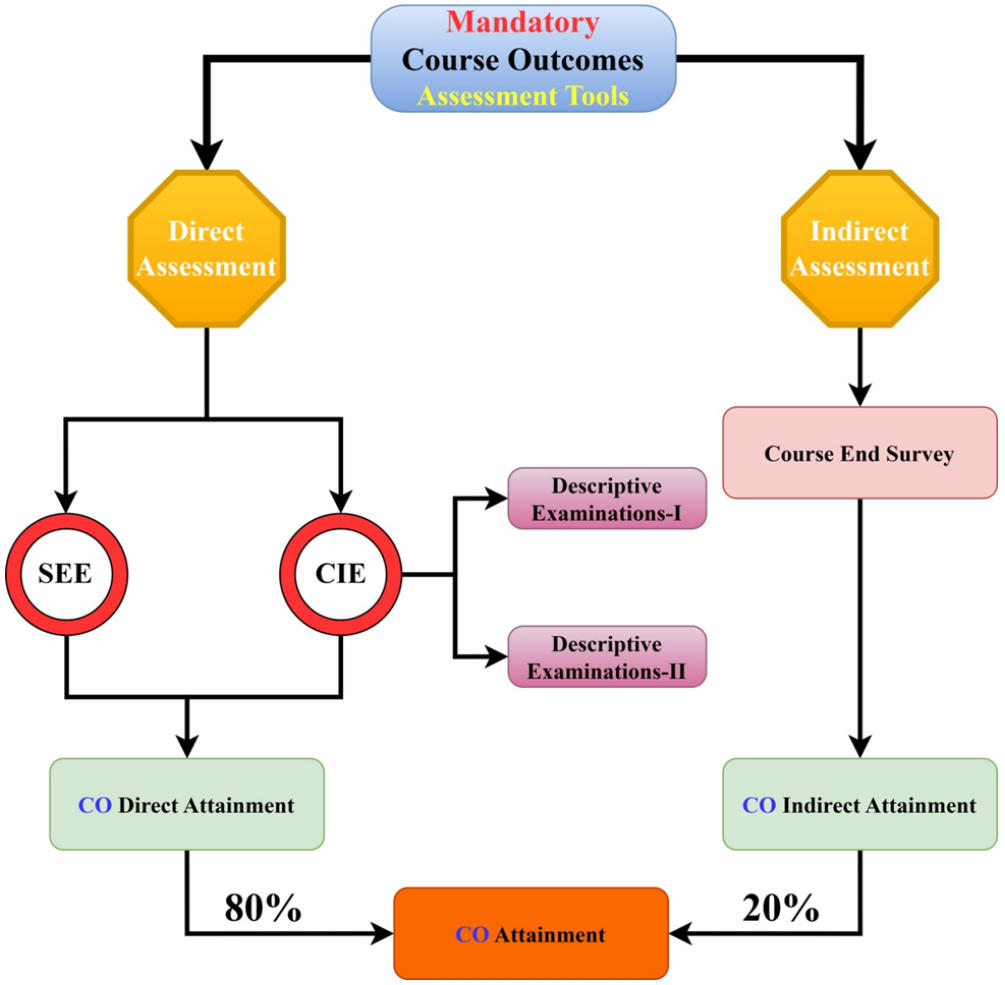
Laboratory Attainment Process:



Laboratory Courses:

For a total of 50 marks, continuous internal evaluation is 15 marks which comprises mainly day-to-day evaluation (5 marks), Record (5 marks), Internal Examinations (5 marks) and Semester end examinations of 35 marks which cover 80% weightage of laboratory assessment and remaining 20% weightage for course end survey.

Mandatory Course Attainment Process:



Mandatory Courses:

For a total of 100 marks, continuous internal evaluation is 30 marks which comprise two descriptive examinations, and Semester end examinations of 70 marks are conducted. All direct assessment covers 80% of weightage and Indirect assessment consists of a course-end

survey which comprises 20% of weightage.

Course End Survey is collected at the end of course from the students about their attainment level of COs.

Feedback is collected with closed ended questions with options as

4- Excellent

3- Very Good

2- Good

1-Average

0-Poor

There response will be converted into percentage

$$\% \text{ of attainment} = \frac{\sum \text{Grade} \times \text{Number of responses to that grade}}{\text{Total respnses}} \times 100$$

Depending on the level of attainment grade was decided as mentioned below.

% of attainment	Grade
More than or equal to 80%	3
More than or equal to 70% and less than 80%	2
More than or equal to 60% and less than 70%	1
Less than 60%	0

8.4.2 Record the attainment of Course Outcomes of all first year courses (5) Institute Marks : 5.00

As the 2021 admitted batch was introduced with new R21 regulations, the threshold for internal and external exams was calculated based on the previous two batches (2019& 2020) pass percentages in the course having the same/similar syllabus.

For 2018 admitted batch

2019 admitted & 2020 admitted batch average pass percentage	Internal Threshold	External Threshold
Less than 50%	55	40
More than or equal to 50% and less than 60%	57.5	42.5
More than or equal to 60% and less than 70%	60	45
More than or equal to 70% and less than 80%	62.5	47.5
More than or equal to 80%	65	50
If the course does not exist in R18	60	45

The percentage of students who secured more than the threshold was calculated. Grades were given on the % of students who secured more than the threshold value

Percentage of students secured more than the threshold	Grade
More than or equal to 80%	3
Less than 80% and more than or equal to 70%	2
Less than 70% and more than or equal to 60%	1
Less than 60%	0

Depending upon the percentage of students secured more than the threshold, the next batch threshold was decided by the same course as follows.

Next batch threshold for internal courses:

% of students secured more than the threshold value	Action
More than or equal to 95% and less than 100%	Change Threshold to Min (Present batch Thresold+10%, 70)
More than or equal to 90% and less than 95%	Change Threshold to Min (Present batch Thresold+7.5%,70)
More than or equal to 85% and less than 90%	Change Threshold to Min (Present batch Thresold+5%,70)
More than or equal to 80% and less than 85%	Change Threshold to Min (Present batch Thresold+2.5%,70)
Less than 80%	No Change in the threshold is required.

8.5 Attainment of Program Outcomes from first year courses (20) Total Marks 20.00

8.5.1 Indicate results of evaluation of each relevant PO and/or PSO if applicable (10)

Institute Marks : 10.00

POs Attainment:

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C101	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	0.40	1.02	PO11	1.04
C102	1.47	1.52	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C103	1.24	0.87	0.76	0.58	0.52	1.04	0.52	PO8	PO9	PO10	PO11	0.68
C104	0.81	1.08	0.51	PO4	0.84	PO6	PO7	PO8	PO9	PO10	PO11	0.89
C105	1.73	1.00	PO3	1.65	PO5	PO6	1.00	PO8	PO9	1.37	PO11	0.89
C106	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	2.00	2.67	PO11	PO12
C107	3.00	2.00	2.00	2.00	PO5	PO6	PO7	PO8	PO9	PO10	PO11	1.50
C108	1.40	1.00	1.00	2.00	PO5	PO6	PO7	PO8	2.00	2.00	PO11	1.20
C109	0.41	0.53	0.63	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	0.53
C110	0.97	0.97	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C111	1.18	1.09	1.03	1.01	1.01	PO6	PO7	PO8	PO9	0.61	0.57	0.39
C112	0.74	PO2	0.68	0.68	0.92	0.31	PO7	PO8	PO9	PO10	PO11	0.31
C113	0.92	0.49	0.31	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	0.38
C114	2.00	PO2	PO3	3.00	2.00	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C115	3.00	3.00	PO3	3.00	2.00	2.00	2.00	PO8	PO9	PO10	PO11	2.00
C116	3.00	2.17	2.33	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
C117	0.52	1.56	1.04	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	0.88

PO Attainment Level

PSOs Attainment:

Course	PSO1	PSO2	PSO3
C101	PSO1	PSO2	0.20
C102	1.04	PSO2	PSO3
C103	0.83	PSO2	PSO3
C104	0.38	0.48	0.48
C105	1.92	0.84	PSO3
C106	PSO1	1.00	3.00
C107	2.00	1.00	2.00
C108	1.60	2.00	PSO3
C109	0.79	PSO2	PSO3
C110	0.74	PSO2	PSO3
C111	0.95	0.93	PSO3
C112	0.74	0.31	PSO3
C113	0.61	PSO2	PSO3
C114	2.00	PSO2	PSO3
C115	2.50	2.83	PSO3
C116	2.80	PSO2	2.00
C117	0.52	PSO2	PSO3

PSO Attainment Level

Course	PO1	PO2	PO3
Direct Attainment	1.29	1.17	1.54
PSO Attainment	1.29	1.17	1.54

8.5.2 Actions taken based on the results of evaluation of relevant POs and PSOs (10)

Institute Marks : 10.00

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

POs	Target Level	Attainment Level	Observations
PO 1 : Engineering Knowledge			
PO 1	1.5	1.49	Target is not Achieved Enhancement in ability to solve analyze the numerical
Actions1: Hence the attainment for the current academic year is fixed as Target for the next academic year. Action 2: Encouraged the students to get more engineering knowledge of mathematics, science and engineering fundamentals.			
PO 2 : Problem Analysis			
PO 2	1.5	1.33	Target is not Achieved Experimental analysis of the assigned problem
Actions 1: Hence the attainment for the current academic year is fixed as Target for the next academic year. Action 2: Motivated to review research literature to analyze complex engineering problems.			
PO 3 : Design/development of Solutions			
PO 3	1.5	1.03	Target is not Achieved Able to innovative prototype
Actions 1: Hence the attainment for the current academic year is fixed as Target for the next academic year. Action 2: Instructed the students to attend the seminars and workshops for designing of solutions for complex engineering problems.			
PO 4 : Conduct Investigations of Complex Problems			
PO 4	1.5	1.74	Target Achieved Extend the ability to experimentally analyze the problems through relevant software's
Actions1 : Provide number of related articles foe the developing research knowledge . Actions 2: Guided the students to gain the research knowledge.			
PO 5 : Modern Tool Usage			
PO 5	1.5	1.22	Target is not Achieved Usage of additional software's, latest testing too
Actions 1: Encouraged and allowed students to explore the same using relevant software tools. And participated workshops. Actions 2: Will be conducted workshops on modern tools usage.			
PO 6 : The Engineer and Society			
PO 6	1.5	0.84	Target is not Achieved Investigation of problems faced by society were addressed
Actions 1: To understand the safety concerns and social aspects, students visited industry to expand their practical knowledge with the effect of improved practices in engineering. Action 2: To improve the students participate in social responsible activities and awareness on health problems and legal acts.			
PO 7 : Environment and Sustainability			
PO 7	1.5	1.17	Target is not Achieved Projects related to economical and environmental contexts were planned for final year
Action 1: Students are encouraged to do projects on alternate fuels. Action 2: Energy conservation is practiced by the installation of LED Lamps and LED tube light and energy efficient fans. Action 3: More emphasis on understanding environmental issues. Action 4: Make better awareness on environment and their importance , by using live demo in surroundings			
PO 8 : Ethics			
PO 8	1.5	0.00	Target is not Achieved Planned Expert lecture on professional ethics and managerial skills
Action 1: Students are motivated and made aware about the demands of engineering profession, duties towards society & fellow human beings and importance of honesty and ethics. Action 2: Students were trained in ethical principles & responsibilities in order to attain level. Action 3: To improve the students ethical principles and professional ethics will be conducted programs.			
PO 9 : Individual and Team Work			
PO 9	1.5	1.47	Target is not Achieved Ability to co-ordinate and team management through conduction of projects
Action 1: Students to be motivated to organize and participate in quiz contest and group participation in events. Motivate to do teamwork in projects. Action 2: The laboratory work of the students is conducted by framing student groups so that students learn to work in a team environment. Action 3: To encourage the students improve their leadership qualities by the team work.			
PO 10 : Communication			
PO 10	1.5	1.53	Target Achieved Ability to present and convey the latest engineering trends
Action 1: Encourage to communication/technical talks by group discussions, presentations and also referred to language lab for improving their communication skills Action2 : To enhance Students personal development and communication skills by providing special courses			
PO 11 : Project Management and Finance			
PO 11	1.5	0.57	Target is not Achieved Planned expert lectures on topics related to project management & finance
Action 1: The students study the principles of management. Action 2: Faculty to conduct exercises / group activity regarding the management principles and managing projects. Action 3: To encourage the students for the developing management skills and financial discipline by the project works			
PO 12 : Life-long Learning			
PO 12	1.5	0.89	Target is not Achieved Significant improvement in number of students clearing competitive examinations
Action 1: Expert talks were conducted in our institutions. Action2: Give importance of the lifelong learning and updated modern technologies in teaching and also life.			

PSOs Attainment Levels and Actions for Improvement- (2021-22)

PSOs	Target Level	Attainment Level	Observations
PSO 1 : The graduates of this program with proficiency in mathematics and physical science will excel in the core areas of civil engineering such as structural, environmnental, geotechnical, transportation and water resources engineering.			
PSO 1	1.5	1.29	Target level has not been achieved. The curriculum provides fundamental engineering concepts and technical knowledge with practical applications in diverse Civil engineering field.
Action 1: Awareness programs on career guidance are planned and also make students aware of opportunities in their specializations. Action 2: Students are encouraged to read fundamental of civil engineering such as structural, environmental, geotechnical, transportation and water resources engineering. Action 3: Encourage to students participated in industrial tours and workshops.			
PSO 2 : The graduates will plan, produce detailed drawing, write specifications, analyze,design and prepare cost estimates.			
PSO 2	1.5	1.17	Target level has not been achieved. The courses of the program are demonstrating the resource fullness for contemporary issues.
Action 1: Students are encouraged that involve the usage of modern tools and techniques of Data Collection/ Surveying/ Analysis/ Planning. Action 2: Students are motivated to take up the real life problems during their project work so that they can design, analyze and find solution which gives exposure to latest technologies. Action 3: Encourage to the students project works and industrial tours for developing knowledge , design and planning.			
PSO 3 : The graduates will interact with stakeholders effectively and execute quality construction work applying necessary tools.			
PSO 3	1.5	1.54	Target level has been achieved. The students are doing better in improving the overall expertise in field of engineering but due to less stress on industrial activities and construction techniques used at field, there is some lagging.
Action 1:Industrial visits and interaction were planned to students with experts for career guidance. Action 2: Concepts of Rapid prototyping and new developments are imparted to students. Action 3: Motivated to participate in workshops, industrial tours and seminars.			

9 STUDENT SUPPORT SYSTEMS (50)

Total Marks 50.00

9.1 Mentoring system to help at individual level (5)

Total Marks 5.00

Institute Marks : 5.00

A mentoring system can be an effective way to provide support and guidance at the individual level. Here are some key steps to implementing a successful mentoring system at PACE Institute of Technology & Sciences:

i. All faculty and students are divided into mentor-mentee for every semester.
ii. Mentoring of the students is our top priority.
iii. Each mentor has been assigned 15-20 mentees in the same department. They would look into assigned students' academic progress, and participation in co-curricular & extracurricular activities.
iv. At a minimum, mentors and mentees should meet regularly at least one hour per month.

- **Academic Guidance**

i. Academic guidance is an essential component of academic success that can help students achieve their academic goals by providing support, advice, and resources. Whether it involves course selection, study skills, academic planning, career planning, or academic support, academic guidance can provide students with the tools they need to succeed academically.
ii. Sharing information on academic planners, academic schedules, and e- learning resources. Students with poor attendance are identified and it is ensures that they improve their attendance by getting counselled in presence of a HoD and mentor representatives.
iii. For a slow learner, mentor representative focuses mainly on their studies with the support of additional reading materials, model questions along with solutions.

- **Professional Guidance**

i. The department are well equipped with knowledgeable human resources in the form of members of faculty who by keeping themselves updated of developments offer guidance to the prospective professionals in addition to the classroom teaching.
ii. Professional guidance is an essential component of career development that can help individuals achieve their career goals by providing support, advice, and resources. Whether it involves career exploration, career planning, skill development, networking, or job search strategies, professional guidance can provide individuals with the tools they need to succeed in their chosen careers.

- **Career Advancement**

i. Career advancement is an important component of professional success that can provide individuals with opportunities for growth, satisfaction, financial rewards, recognition, and networking. By developing new skills, gaining experience, taking on new responsibilities, and pursuing opportunities for growth and development, individuals can advance their careers and achieve their professional goals.
ii. Encourage the students to take up online certification courses in order to build their careers.

- **Laboratory specific**

i. It's important to provide specific details about the students laboratory work, including the day to day evaluation, lab record updating, and research works the tasks they have been involved in, and any additional responsibilities they have taken on. This can help future mentors or employers understand the students laboratory experience and potential for future success in the field.
ii. Irregular students in laboratory classes are counselled to attend regularly and complete backlog experiments during specified extra hours.

- **All-round Development**

i. An all-round development mentoring system should prioritize the needs and goals of individuals, and provide a supportive and nurturing environment for personal, academic, and professional growth.
ii. This institution puts forward effort to realize all-round development and guides the student accordingly. In addition to academics, the students are encouraged to participate in literature, cultural, and sports activities which help to develop leadership qualities, decision-making abilities, team spirit, and socio-psychological awareness.

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

Total Marks 10.00

Institute Marks : 10.00

Student feedback analysis involves gathering and analyzing feedback from students in order to improve teaching, learning, and the overall student experience. Here are some steps for conducting a student feedback analysis:

- **Collect Feedback**

  Feedbackcollected from the students using surveys, focus groups, or other methods. Make sure to ask specific questions that will provide useful information for improving teaching and learning.

i. Twice a semester the feedback on all courses in collected. Along with that, department and institutional-level feedback also will be collected on facilities, the conduction of co-curricular and extracurricular activities, and maintenance of discipline in the department.
ii. The course end survey will be collected to understand the student level of course attainment.
iii. Feedback has been taken from the outgoing students as a part of the student exist survey to understand the student PO and PSO attainment status.
iv. Feedback on the curriculum and syllabus has been collected once a year from all the stakeholders
v. Student satisfaction survey will be collected once a year from all the students on Teaching Learning Evaluation.
vi. Staff exit survey is collected from the staff while he/she relieves the institution.

- **Analysis and Report Preparation**

i. Analysing and preparing a report on a student feedback system is a valuable process that can help identify areas of strength and areas for improvement, and provide recommendations for enhancing the overall student experience.
ii. The faculty who get less than the threshold percentage of 70% are asked to give an explanation and corrective measures are taken by the HoD for improvement.
iii. The student feedback is also given weightage in the staff appraisal form.
iv. Student course end survey is used as an indirect tool for the course outcomes attainment.
v. The student exit survey uses as an indirect tool for POs, and PSOs attainment.
vi. The stakeholder feedback is utilized for framing the curriculum and syllabus.
vii. The student satisfaction survey is used for the suggestion in the TLE process.
viii. Staff exist survey is used for the improvement institution and is useful for the increase in the retention of staff.

- **Reward / Corrective Measures Taken**

  Head of the department analyzes the feedback of each faculty and will take necessary actions. Following things are considered for reward/correction measures

i. Induction programs are conducted for newly joined faculty members and continuing education programme for the experienced faculties. Those faculty who have not obtained good appraisals have a detailed discussion with the Head of the department on how to improve the teaching.
ii. Level of feedback is taken into account while evaluating the staff of promotion.
iii. Student feedback is one of the mandatory roles in the faculty award scheme.
iv. All the faculty members are evaluated yearly in even and oddsemesters considering their contributions towards academic, research and administration.
v. Class committee meeting shall be conducted twice in every semester for each class. Committee members includes Head of the department, Academic Coordinator, class teacher, two faculty members teaching in the respective class, two student members from the class.

9.3 Feedback on facilities (5) Total Marks 5.00

Institute Marks : 5.00

The feedback on the facilities has been initiated by the institute. The lab and library facility, training & placement facilities and general facilities will be rated by students via a survey conducted. This feedback helps to identify areas that need improvement and make improvements together with students.

1. **Teaching & Learning, Facilities / Activities, Curriculum, Career guidance / Employability (Student Exit Survey)**

Student Exit Survey

Dear students,

We would grateful if you could fill out and submit the following exit survey. We assure you that your feedback will be treated confidentially for our continuous improvement.

Name of the student : **Branch :**

Mobile No : **Email :**

Questionnaire	Excellent (5)	Very good (4)	Good (3)	Satisfactory (2)	Poor (1)
Teaching & Learning					
Teaching & learning methods adopted were					
Overall quality of teaching & learning activities in the college is					
The learning materials and resources provided were					
Facilities / Activities					
Infrastructure, Lab facilities & Library					
Students mentoring and guidance					
Internet / wifi facility					
Extracurricular activities					
Safety & Security					
Curriculum					
The curriculum of the program is well designed and promotes learning experience of the students					
Employability is given focus in the curriculum design					
The curriculum incorporates the recent technological					

2. **Parents feedback**

FEEDBACK FROM PARENTS

a) Name of the Parent :

b) Present Address :

Phone Number :

Email-ID :

c) Name of the Student :

d) Branch and Year :

e) Please provide your comments on the following:

1. College Infrastructure : □ Excellent(4) □ Good(3) □ Average(2) □ Fair(1)
2. Teaching imparted to your ward : □ Excellent(4) □ Good(3) □ Average(2) □ Fair(1)
3. Department Resources : □ Excellent(4) □ Good(3) □ Average(2) □ Fair(1)
4. Faculties helpfulness : □ Excellent(4) □ Good(3) □ Average(2) □ Fair(1)
5. Library Facilities : □ Excellent(4) □ Good(3) □ Average(2) □ Fair(1)
6. Computing and Internet Facilities : □ Excellent(4) □ Good(3) □ Average(2) □ Fair(1)
7. Sports, Extra Curricular Facilities : □ Excellent(4) □ Good(3) □ Average(2) □ Fair(1)
8. Personality/Communications Skills Development Facilities : □ Excellent(4) □ Good(3) □ Average(2) □ Fair(1)
9. Placement Opportunities : □ Excellent(4) □ Good(3) □ Average(2) □ Fair(1)
10. Transport Facilities : □ Excellent(4) □ Good(3) □ Average(2) □ Fair(1)
11. Mess/Canteen Facilities : □ Excellent(4) □ Good(3) □ Average(2) □ Fair(1)
12. Feedback on ward's Progress : □ Excellent(4) □ Good(3) □ Average(2) □ Fair(1)
13. Discipline standards in the College : □ Excellent(4) □ Good(3) □ Average(2) □ Fair(1)
14. Overall rating of the College : □ Excellent(4) □ Good(3) □ Average(2) □ Fair(1)

e) Your Positive/Negative Comments:

f) Your suggestions for the Improvement of the Institution/Department:

Date: Signature.

9.4 Self-Learning (5)

Total Marks 5.00

Institute Marks : 5.00

A. Scope for self-learning

Self-learning refers to the process of acquiring knowledge or skills through independent study, research, and practice, without the guidance or supervision of a teacher or instructor.

PACE Institute of Technology & Sciences provides some of the areas where self-learning can be particularly useful include:

- Academic subjects
- Technical skills
- Life skills
- Extracurricular activities

B. The institution needs to specify the facilities, materials for learning beyond syllabus, Webinars, Podcast, MOOCs etc. and demonstrate its effective utilization

Providing facilities, materials, and opportunities for learning beyond the syllabus is essential for promoting self-learning and ensuring that students are well-prepared for their future careers.

PACE Institute of Technology & Sciences provides some steps that institutions can take to specify and demonstrate the effective utilization of these resources:

- Self-learning courses under the category of elective courses wherein the students are provided with the flexibility of choosing courses available in online portals like MOOCs and popular e-learning portals like NPTEL SWAYAM, Spoken tutorials, EduSkills, Codetantra, NASSCOM, Coursera, Infosys Spring Board, CISCO, Microsoft Certification courses etc…
- To enable the students to effectively utilization the library and to motivate for self-learning weekly one library hour is allocated in the timetable.

9.5 Career Guidance, Training, Placement (10)

Total Marks 10.00

Institute Marks : 10.00

A. Availability of career guidance facilities

Career guidance facilities are essential for students to make informed decisions about their future careers and to develop the skills and knowledge necessary to achieve their goals.

PACE Institute of Technology & sciences can make some ways of career guidance facilities available to their students:

- Soft skill training programmes from first year onwards
- Training on employability skills.
- Online tests to assess the students.
- Conduct of motivation lectures and mock interviews
- Technical training & guest lectures
- Enabling the students to resume preparation
- Arranging customized industry– oriented training
- Entrepreneurship and higher studies awareness programs
- Conduct of mock interviews.

B. Counseling for higher studies (GATE/GRE, GMAT, etc.)

Counseling for higher studies is an essential service that institutions can offer to their students who are considering pursuing advanced degrees or further education.

PACE Institute of Technology & sciences provides some ways in which institutions can provide counseling for higher studies:

- Workshops and Seminars
- Mock tests
- Practice materials
- Online Courses
- Personalized Coaching

C. Pre-placement training

Pre-placement training is a crucial service that institutions can offer to their students to help them prepare for job interviews and employment opportunities.

PACE Institute of Technology & sciences provides some ways in which institutions can provide pre-placement training:

- Resume building
- Interview skills training
- Soft skills training
- Online resources

D. Placement process and support

The placement process can be a challenging experience for students. Institutions can provide critical support to students by maintaining a company and job database, setting up a dedicated placement cell, offering career counseling, providing interview preparation services, and leveraging their alumni network.

PACE Institute of Technology & sciences provides some ways in which institutions can offer support to their students in the placement process:

- Company and job database
- Placement cell
- Career counseling
- Interview preparation
- Alumni network

9.6 Entrepreneurship Cell

Total Marks 5.00

Institute Marks : 5.00

A. Entrepreneurship initiatives

Entrepreneurship initiatives are a critical aspect of an institutions support system for students who want to start their own businesses.

PACE Institute of Technology & Sciences provides some ways in which institutions can offer entrepreneurship initiatives:

- Invited motivational talks
- Awareness programs on new business avenues
- Celebration of world's Entrepreneurship day
- Entrepreneurship courses
- Funding opportunities
- Guest lecture/Workshops with MOU companies

B. Data on students benefitted

S.No	Academic Year	Number of Entrepreneurs
1	2021-2022	2
2	2020-2021	3
3	2019-2020	4

9.7 Co-curricular and Extra-curricular Activities

Total Marks 10.00

Institute Marks : 10.00

A. Availability of sports and cultural facilities

Availability of sports and cultural facilities is an important aspect of an institutions support system for students.

PACE Institute of Technology & sciences provides some ways in which institutions can provide sports and cultural facilities:

i. Sports facilities: A variety of sports facilities such as outdoor and indoor sports fields, and fitness centers. These facilities can be used for a range of sports activities such as cricket, football, basketball, badminton, Volleyball, and more.

ii. Sports events: organize sports events such as intercollegiate tournaments, intra-college matches, and sports meets. These events can provide students with opportunities to showcase their skills and compete with other institutions.

iii. Cultural facilities: Institutions can offer facilities for cultural activities such as music, dance, drama, and other performing arts. These facilities can include theaters, and auditoriums etc

iv. Cultural events: Institutions can organize cultural events such as music festivals, dance competitions, and drama competitions.

B. NCC, NSS and other clubs

NCC and NSS are both student organizations that operate in PACE Institute of Technology & sciences.

· The National Cadet Corps (NCC) is a youth development movement that aims to train young people in discipline, leadership, and patriotism through military-style training.

· The National Service Scheme (NSS) is a community service program that encourages students to participate in various activities that contribute to the development of society. The NSS aims to develop the personality of students through community service, promote national integration and social harmony, and encourage students to work towards the betterment of society. NSS activities may include tree planting, blood donation camps, health and hygiene campaigns, and awareness programs on social issues.

· Clubs and societies: Institutions can establish and support clubs and societies for sports and cultural activities. These clubs and societies can provide students with opportunities to meet other students who share similar interests and engage in sports and cultural activities together.

C. Annual student's activities

Annual student activities are an important part of the academic calendar in PACE Institute of Technology & sciences. These activities provide students with opportunities to showcase their talents, develop new skills, and build their confidence.

PACE Institute of Technology & sciences conducts some common annual student activities:

- Annual sports day
- Cultural festival
- Science fair
- Debate competition
- Quiz competition
- Annual day celebration
- Charity events
- Talent show
- Career fair

10 GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES (120) Total Marks 120.00

10.1 Organization, Governance and Transparency (55) Total Marks 55.00

10.1.1 State the Vision and Mission of the Institute (5)

Institute Marks : 5.00

Vision:

Our vision is to impart futuristic technical education transforming the students technically superior, ethically strong and self disciplined to serve the nation as a valuable resource.

Mission:

M1	To inculcate quality education by implementing innovative teaching-learning methods and state-of-the-art facilities.
M2	To enrich the intellectual know-how, credibility and integrity of the students to necessitate industry.
M3	To recognize as scholarly and influential leaders in engineering education, to develop human power with creativity, advanced technology and passion for the betterment of future nation.

To realize the vision, the above mission statements have been established by taking into account, the contemporary Industry requirements, Technical skills needed, Technological & Product development, Ongoing research & development, Industry-Institute interaction, Twenty-first century skills and Societal needs.

To sensitize all the stakeholders about availability of the Vision and Mission statements, display boards and Sign boards are arranged in the prominent locations across the campus. In addition to this, Vision and Mission statements are made available to the stakeholders through:

- Institute website
- Principal Chamber
- Each of the departments
- Library
- Institute-level documents
- All major central facilities

10.1.2 Availability of the Institutional Strategic Plan and its Effective Implementation and Monitoring (25)

Institute Marks : 25.00

Pace Institute of Technology and Sciences has formulated a dynamic strategic plan to achieve the Institutional Goals in this competitive world. Strategic Plan includes the targets and the strategies to achieve the targets. The plan is formulated based on the SWOC analysis of the institute. All the staff are fully committed to deliver high quality standards to the students by continuous learning and enhancing their skills.

The following are the targets that the strategic plan has identified for the upcoming years:

Strategic Plan Identifies the Following Road Targets for AY 2018-2028

- Implementation of Outcome Based Education.
- Establish at least 2 Research Centers by 2023.
- To attain NAAC A++ grade during 2nd Cycle Accreditation.
- To be ranked among TOP 200 engineering institutions in NIRF Ranking.
- To secure TOP 50 position in ARIIA Ranking 2025.
- Promote industry-institution collaboration with top MNCs.
- Establish Centers of Excellence in various departments.
- Incubate successful start-ups creating innovative products and business models using the knowledge and technologies developed by the Institution.
- Provide an invigorating work environment for faculty and staff.
- Improve the involvement of alumni in all the aspects of Institutions development by collaborating with them in placements, guest lecture, mentoring students in various projects, mentoring incubate, research and development, consultancy.
- Collaboration with various industries in the field of Research & Development and consultancy.
- Collaboration with Institutions around the world to promote quality higher education and for supporting students/faculty exchange programmes.

In view of achieving the above strategic plan the following key strategic issues are focused:

Create an institutional culture which equips the students with the skills required for the industry

- Training programs are conducted for improving the communication skills and interpersonal skills from the first year onwards.
- Induction program is conducted for the students in the first year.
- Motivational programs are being conducted by the industry experts and successful alumni.
- Offers minors degree with inter-disciplinary open electives
- Internships for hands-on experience and community service are encouraged for the students.
- Student chapters are established for professional bodies and continuous activities are organized under the student chapters to enhance the leadership qualities.
- Entrepreneur Development Cell (EDC) works continuously to promote entrepreneurship.
- Add-on courses on latest technologies are conducted to enhance the placement opportunities.
- Students are encouraged to complete self-learning courses through MOOCs/Swayam NPTEL.

Continuous capacity building of the faculty and Promoting research culture among the students and faculty:

- Faculty development programs are organized by inviting subject experts from premier institutions and industry to enhance their technical skills and research skills.
- Training on course design, question paper setting and teaching pedagogy in-line with OBE philosophy are being conducted.
- All the faculty are encouraged to attend ATAL FDPs to improve their skills and expertise in latest technologies.
- Encouraging faculty members and students to participate in workshops, conferences and seminars by providing financial support
- Incentives for quality journal publications and sponsored research projects are given.
- Encouragement to pursue the Ph.D. (Part time, Full time) by providing support in terms of research facilities and academic leaves.
- Students are encouraged to participate in innovative project contests
- Students were encouraged to develop prototypes and apply for Patents

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

Institute Marks : 10.00

Governing body: Governing body is formulated to coordinate with all Academic and Administrative activities of the college.

Term: The Governing Body shall be reconstituted every three years except in the case of UGC nominee who shall have a term of five years.

Meetings: Meetings of the Governing Body shall be held at least twice a year.

Functions of the Governing Body: Subject to the existing provision in the bye-laws of respective college and rules laid down by the state government/parent university, the Governing Body shall:

- Guide the college while fulfilling the objectives for which the college has been granted autonomous status.
- Institute scholarships, fellowships, studentships, medals, prizes and certificates on the recommendations of the Academic Council
- Approve new programmes of study leading to degrees and/or diplomas.
- All recruitments of Teaching Faculty/Principal shall be made by the Governing Body/state government as applicable in accordance with the policies laid down by the UGC and State Government from time to time.
- To approve annual budget of the college before submitting the same at the UGC.
- Perform such other functions and institute committees, as may be necessary and deemed fit for the proper development of the college

Members of Governing Body:

S. No	Details of the Member	Representative in GB
1	Sri. M. Venu Gopala Rao Chairman, Srinivasa Educational Society	Chairman, Management
2	Sri. M. Sridhar Secretary & Correspondent, Srinivasa Educational Society	Member, Management
3	Sri. M. Vasu Babu Vice-Chairman, Srinivasa Educational Society	Member, Management
4	Smt. M. Padma Treasurer, Srinivasa Educational Society	Member, Management
5	Sri. M. Ravindra Joint Secretary, Srinivasa Educational Society	Member, Management
6	Dr. R.N. Yadav Professor, Dept of ECE, NIT, Bhopal	Member-UGC Nominee
7	Dr. S. Narayana Reddy Principal, SVU College of Engineering, Tirupati, AP	Member- State Govt. Nominee
8	Dr. Ch. Srinivas Rao Professor in ECE, UCEN, JNTUK, Kakinada	Member- University Nominee
9	Sri P. Siva Prasad CEO, Mydentistchoice.Com, Hyderabad	Member- Industrialist
10	Sri K.V.C Krishna Chartered Accountant, Flat No. 103, B-Block, Pavani Homes, Hyderabad	Special Invitee
11	Dr. G. V. K. Murthy Principal, PACEITS	Member- Ex-Officio
12	Dr. R. Veeranjaneyulu, Prof in CSE, PACE ITS	Member - Teacher
13	Dr. T. Mary Jones Professor & Head, Dept. of MBA, PACEITS	Member - Teacher

Academic Council:

Academic Council is formulated to approve the course structure and syllabus formulated by Board of Studies and monitors the overall performance of the institution. It comprises members nominated by JNTUK and Governing body, Principal, Deans and Head of the Departments. The body meets twice a year.

Functions:

- To scrutinize and approve the proposals with or without modification of the boards of studies with regard to courses of study, academic regulations, curricula, syllabi and modifications thereof, instructional and evaluation arrangements, methods, procedures relevant thereto etc., provided that where the Academic Council differs on any proposal, it will have the right to return the matter for reconsideration to the Board of Studies concerned or reject it, after giving reasons to do so.
- To make regulations regarding the admission of students to different programs of study in the college keeping in view the policy of the Government.
- To make regulations for sports, extra-curricular activities, and proper maintenance and functioning of the playgrounds and hostels.
- To recommend to the Governing Body proposals for the institution of new programs of study.
- To recommend to the Governing Body institution of scholarships, studentships, fellowships, prizes, and medals, and to frame regulations for the award of the same.
- To advise the Governing Body on suggestions(s) pertaining to academic affairs made by it.
- To perform such other functions as may be assigned by the Governing Body.

Members:

The Academic Council consists of the following members,

1. The Principal (Chairman)

2. All the Heads of Departments in the college

3. Four teachers of the college representing different categories of teaching staff by rotation on the basis of seniority of service in the college.

4. Not less than four experts/academicians from outside the college representing such areas as Industry, Commerce, Law, Education, Medicine, Engineering, Sciences etc., to be nominated by the Governing Body.

5. Three nominees of the university not less than Professors.

6. A faculty member nominated by the Principal (Member Secretary).

Term: The tenure of nominated members shall be three years.

BOARD OF STUDIES:

A Board of Studies is formulated for each department to prepare the course structure and syllabus. They monitor regularly the performance of the department. They meet at least twice for a year and guide the department respectively.

Functions and Responsibilities

- To prepare syllabi for various courses keeping in view the objectives of the college, interest of the stakeholders, and national requirements for consideration and approval of the Academic Council
- To suggest methodologies for innovative teaching and evaluation techniques
- To suggest panel of names to the Academic Council for appointment of examiners
- To coordinate research, teaching, extension and other academic activities in the department/college.

In addition to internal members BoS consist of external members as mentioned below:

- One Expert from Parent University
- Two Expert from Outside Parent University
- One Expert from Industry
- One Meritorious Alumni

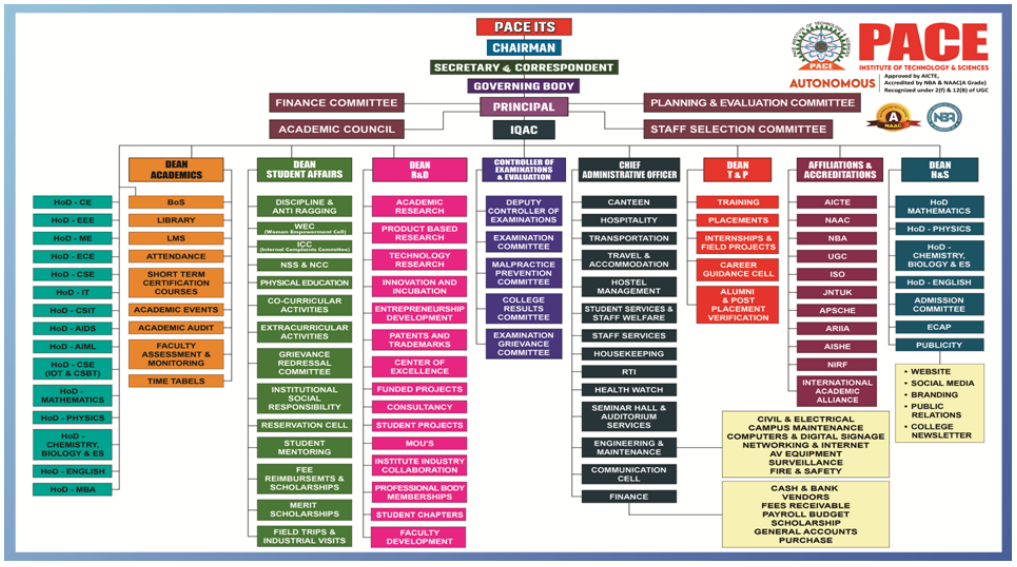
FINANCE COMMITTEE

Finance Committee is formulated to estimate budgets and monitor the financial transactions and the financial status of the institution.

Functions:

- To estimate budget relating to the grant received/receivable from UGC, and income from fees, etc. collected for the activities to undertake the scheme of autonomy
- To verify Cash inflows and outflows in all bank accounts
- To verify advances given and outstanding payments totals, receipts and payments
- To maintain all ledger books, preparation of salary statements
- To audit accounts for the above

Administrative set up: Following diagram depicts the brief administrative set up and the glance of committees in order to create and enhance the infrastructure that facilitate teaching and learning process.



PACEITS has a decentralized mechanism for delegating authority and providing operational autonomy to all the functionaries to work towards decentralized governance. It includes the Board of Governors, Academic council, Secretary and Correspondent, Principal, Board of Studies, Director, Dean Academics, Dean Student Affairs, Dean Research & Development, Administrative Officer, Dean Training & Placements, Controller of examinations and HOD's for effective Governance and participative management. Top management in consultation with the Board of Governors and Secretary & Correspondent gives strategic directions to the Principal regarding various future initiatives focusing broadly on the Vision and Mission of the institution. The principal prepares the action plan keeping in view the short-term and long-term goals of the institution and gets it executed through IQAC, various Deans, heads of the Departments, and other committees. Principal with various HODs nominated institute-level committees to the faculty members. The department-level committees are nominated by the respective Heads of Departments. All Administrative matters including Finance, campus maintenance, Canteen, Hostel Management, and scholarship is handled by Chief Administrative Officer. Student examinations were conducted by the Controller of Examination and Senior/Junior supervisors.

The service rules, policies and procedures are available in the website and are circulated to all the staff members. The meetings are conducted regularly and the minutes of the meeting with attendee's signature is filed properly. Every meeting starts with the review of the previous meeting minutes and the action taken on the discussed points.

10.1.4 Decentralization in working and grievance redressal mechanism (5) Institute Marks : 5.00

List the names of the faculty members who have been delegated powers for taking administrative decisions. Mention details in respect of decentralization in working. Specify the mechanism and composition of grievance redressal cell including Anti Ragging Committee & Sexual Harassment Committee.

GRIEVANCE REDRESSAL COMMITTEE

Grievance Redressal committee is formulated to investigate the complaints received from the students and faculties.

Functions:

- To formulate the policy to investigate and review complaints or grievances of students and faculties.
- To create awareness of availability of members for students and faculties to report grievances.
- To investigate the cause of grievances to ensure effectual solution.

S. No	Name	Designation
1	Dr. G V K Murthy	Chairmen
2	Mr. G Ramesh Babu	Convener
3	Dr. R Veeranjaneyulu	Member
4	Dr. A Seshagiri Rao	Member
5	Dr. D Suresh	Member
6	Dr. D Anil Kumar	Member
7	Dr. M Rajasekhar	Member
8	Mr. P Siva Prasad	Member
9	Mr. B Nagaraju	Member
10	Dr. G Kondaiah	Member
11	Mr. G Ganesh Naidu	Member
12	Dr. T Mary Jones	Member
13	Mr. M Raveendra	Member

ANTI-RAGGING COMMITTEE: Anti ragging committee is formulated to ensure a safe environment for first years that enter into the campus with high aspirations. This committee encourages healthy relationships between the students of different years and branches.

Functions of Anti ragging Committee:

- To initiate timely action against erring students of Discipline
- To maintain records of the cases investigated
- To sensitize students about the evils of ragging and its prevention in the College Campus by organizing talks/ programmes
- To address complaints about ragging as per the Govt. and University procedures

Composition of the committee:

S. No	Name	Designation
1	Dr. G. V. K. Murthy	Chairman
2	Mr. G. Ramesh Babu	Convener
3	Dr. R. Veeranjaneyulu	Member
4	Dr. D. Anil Kumar	Member
5	Ch. Ravindra Babu	Member
6	Dr. A. Seshagiri Rao	Member
7	Mrs. N. Vaishnavi	Member
8	Mr. K. Venkateswarlu	Member
9	Mr. B. Suresh Babu	Member
10	MR. S. Ch. Kantha Rao	Member
11	Mr. M. Sivudu	Member
12	Mr. S. Anka Rao	Member
13	Mr. Y. Srinivasa Reddy	Member
14	Mr. M. Naga Bhaskar	Member
15	Mr. I. Madhusudhan	Member
16	Ms. Sk. Heena Kauser	Member

INTERNAL COMPLAINTS COMMITTEE (SEXUAL HARASSMENT COMMITTEE): Internal compliance committee is formulated to ensure safe campus for girl students and lady staff members. The committee creates awareness programs for the girls about the presence of the cell and gives assurance to them that they will support them in all circumstances.

Functions:

- Registering the complaint and Taking necessary action to support the victim
- To receive the complaints regarding sexual harassment
- To investigate and submit the report against the complaints filed
- To educate all about sexual harassment and impacts

Composition of the committee:

S. No	Name	Designation
1	Mrs. N. Vaishnavi, Assoc. Prof, ECE	Convener
2	Mrs. K. Jeevana, Asst. Prof, EEE	Member
3	Mrs. P. Rama Lingamma, Asst. Prof, IT	Member
4	Mrs. Ch. Anusha, Asst. Librarian, Library	Member
5	Mrs. D. Annapurna, Lab Programmer, CSE	Member
6	Mrs. BathiniArunakumari, External Member	Member
7	Ms. Sk. Amrin, UG Student, ECE	Member
8	Ms. Tanneru Sai Mahalakshmi, PG Student, MBA	Member

The Grievance Redressal Committee is formulated to investigate the complaints received from the students and faculties. The committee addresses the problems and ensures that the students are comfortable with all the teaching and learning processes and administrative procedures of the institution. The committee encourages the students and faculty members to share their grievances freely and on receiving the complaint, the committee investigates the problem and redresses it as soon as possible.

10.1.5 Delegation of financial powers (5)

Institute Marks : 5.00

PACE Institute of Technology and Sciences has a well-established financial system. For the smooth functioning of the institutional activities the financial powers are delegated to different levels i.e. Secretary& Correspondent, the Principal, and the Heads of different departments.The principal can sanction any recurring or non-recurring amount which has prior approval in the budget.

Other than the prior approved budget items

To address any emergency situation Heads of the department hold hand cash of ten thousand. For any emergency requirements, the principal can sanction an amount of one lakh. The amount of more than one lakh can be sanctioned by the Secretary and Correspondent.

10.1.6 Transparency and availability of correct/unambiguous information in public domain (5)

Institute Marks : 5.00

- All the information is available on the college website for the stakeholders. The right to Information Committee is also available in the institution to provide any information sought by any of the stakeholders.
- All the information related to staff and students is also made available on the website.
- All the mandatory disclosures to be displayed on the website are updated as per the instructions of AICTE/AISHE.

10.2 Budget Allocation, Utilization, and Public Accounting at Institute level (15)

Total Marks 15.00

:

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 2022-2023

Total Income 202657090.04				Actual expenditure(till…): 198790890			Total No. Of Students 5691
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
198520200	0	0	4136890.04	189400590	9390300	0	34930.75

Table 2 - CFYm1 2021-2022

Total Income 194745749.46				Actual expenditure(till…): 192045749			Total No. Of Students 5245
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
190022936.66	2614510	0	2108302.80	185854976	6190773	0	36615.01

Table 3 - CFYm2 2020-2021

Total Income 183174271.23				Actual expenditure(till…): 178620223			Total No. Of Students 4855
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
178420366.85	0	1845785	2908119.38	176491113	2129110	0	36790.98

Table 4 - CFYm3 2019-2020

Total Income 167104584				Actual expenditure(till…): 152520345			Total No. Of Students 4556
Fee	Govt.	Grants	Other sources(specify)	Recurring including salaries	Non Recurring	Special Projects/Anyother, specify	Expenditure per student
164826053	0	0	2278531	151037107	1483238	0	33476.81

Items	**Budgeted in 2022-2023**	**Actual Expenses in 2022-2023 till**	**Budgeted in 2021-2022**	**Actual Expenses in 2021-2022 till**	**Budgeted in 2020-2021**	**Actual Expenses in 2020-2021 till**	**Budgeted in 2019-2020**	**Actual Expenses in 2019-2020 till**
Infrastructure Built-Up	2000000	169477(	150000(	1264982	2000000	1959402	1500000	6971444
Library	800000	645377	400000	171367	500000	0	1000000	704129
Laboratory equipment	9500000	939030(	650000(	6190773	2700000	2129110	1800000	148323E
Laboratory consumables	500000	461362	100000(	890019	250000	211817	800000	760762
Teaching and non-teaching stal	1450000	1440202	140000(	1364053	1250000	1194641	1000000	9893894
Maintenance and spares	4000000	3007013	520000(	5025890	2500000	2259283	5000000	480331E
R&D	1200000	104738(	120000(	1061590	550000	483325	900000	850295
Training and Travel	2000000	1672924	100000(	842673	2000000	1893021	2200000	213014E
Miscellaneous Expenses*	150000	91242	150000	140162	100000	92178	100000	97850
Others, specify	1770000	2150737	240000(	2866812	285170(	3249330	3376500	3578021
Total	**200850000**	**198790890**	**194450000**	**192045749**	**182117000**	**178620223**	**160565000**	**152520345**

10.2.1 Adequacy of budget allocation (5)

Institute Marks : 5.00

The institute collects the budget proposals from all the departments and cells before starting the financial year. The departments submit the budget proposals considering all the recurring (i.e. lab maintenance/repairs) and non-recurring (new purchases) requirements. All cells submit the proposals considering all their requirements. The Institute finance committee chaired by the principal prepares a draft budget statement considering the proposals from the departments, cells, salary requirements, and funds available. After the preparation of a draft budget, a review meeting will be conducted with all departments and cell heads with the principal and management. In this meeting, all will justify their proposals. After finalizing the budget values, it will be presented to the governing body for final approval.

10.2.2 Utilization of allocated funds (5) Institute Marks : 5.00

The allocated funds are utilized properly and are adequate as per the Academic requirements. The budget funds are utilized on a priority basis as per the requirements of each department based on the availability of funds. The finance committee monitors the utilization of allocated funds. Major heads are spent directly from the account section. However, all recurring and non-recurring expenditure of institute/departments is met in full (including salaries, lab consumables, miscellaneous expenditure, etc.) After the completion of every financial year, the budget will be audited by an external auditor to understand the reliability of budget utilization. The institution carefully monitors the expenses such that the necessities are met without affecting the smooth working of the institution. The management has been very efficiently and effectively doing this over the past several years and the institution never had any serious budget crunch that affected the normal functioning of the institution.

10.2.3 Availability of the audited statements on the institute's website (5) Institute Marks : 5.00

PACE ITS follows good governance. All the College accounts are taken care of by the accounting department, which will be audited periodically (every year) by Auditors. The budget allocation and utilizationare monitored by the finance committee. Supplementary allocations are made in special cases if needed.

The audited statements are available on the institute website on the finance committee webpage.

10.3 Program Specific Budget Allocation, Utilization (30) Total Marks 30.00

:

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 2022-2023

Total Budget 4400000		Actual expenditure (till…): 3800401		Total No. Of Students 515
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
3500000	900000	3060771	739630	7379.42

Table 2 :: CFYm1 2021-2022

Total Budget 705000		Actual expenditure (till…): 804319		Total No. Of Students 580
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
100000	605000	82600	721719	1386.76

Table 3 :: CFYm2 2020-2021

Total Budget 440000		Actual expenditure (till…): 371336		Total No. Of Students 520
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
20000	420000	6000	365336	714.11

Table 4 :: CFYm3 2019-2020

Total Budget 645000		Actual expenditure (till…): 525596		Total No. Of Students 524
Non Recurring	Recurring	Non Recurring	Recurring	Expenditure per student
20000	625000	8136	517460	1003.05

Items	Budgeted in 2022-2023	Actual Expenses in 2022-2023 till	Budgeted in 2021-2022	Actual Expenses in 2021-2022 till	Budgeted in 2020-2021	Actual Expenses in 2020-2021 till	Budgeted in 2019-2020	Actual Expenses in 2019-2020 till
Laboratory equipment	3500000	3060771	100000	82600	20000	6000	20000	8136
Software	400000	339840	200000	169920	200000	169920	200000	169920
Laboratory consumable	80000	62610	50000	35962	15000	14050	50000	39351
Maintenance and spares	90000	74230	100000	89310	60000	53166	60000	47701
R & D	150000	142000	130000	128000	25000	20000	200000	155000
Training and Travel	150000	96450	100000	76200	100000	90000	100000	92345
Miscellaneous Expenses*	30000	24500	25000	22377	20000	18200	15000	13143
Total	**4400000**	**3800401**	**705000**	**604369**	**440000**	**371336**	**645000**	**525596**

10.3.1 Adequacy of budget allocation (10) Institute Marks : 10.00

Before the beginning of every financial year, the institution's finance committee chaired by the principal invites budget proposals from various departments.

The department budget coordinator collectsinformation regarding budget proposals from the staff and lab in-charges. The staff and lab in-charges submit their proposals considering various factors lab equipment, software, lab consumables, maintenance and repairs, travel and training, etc.

The department budget coordinator prepares a draft budget considering all the proposals.

Before submitting the budget proposal to the institute finance committee, the department conducts a meeting chaired by the Head of the department to look into the budget proposals.

After the Head of the Department is satisfied with all the proposals, it is presented to Program Assessment and Quality Improvement Committee (PAQIC) for suggestions.

After incorporating all feasible suggestions, the budget is submitted to the institute's finance committee. After receiving all the budget proposals, the institute finance committee conducts a review meeting to consider the justificationfor department proposals.

After considering all the department requirements and funds available the finance committee sanctions head-wise amounts to the department.

10.3.2 Utilization of allocated funds (20) Institute Marks : 20.00

The department utilizes the funds allotted for various items effectively. The head of the department monitors the utilization of recurring and nonrecurring funds. The head of the department frequently reviews the funds utilized to estimate the remaining work to be carried on. In contingency, the head of the department holds cash of ten thousand, for which after the utilization, bills will be submitted to the Central Administrative office for transparency in transactions. The department also presents the budget sanctioned and utilized in the Program Assessment and Quality Improvement committee (PAQIC) for review. At the end of every financial year, the institutional budget which is a consolidation of all departments is audited by external auditors, andaninternal financial audit is conducted to estimate the appropriateness of the funds utilized.

10.4 Library and Internet (20) Total Marks 20.00

10.4.1 Quality of learning resources (hard/soft) (10) Institute Marks : 10.00

- Availability of relevant learning resources including e-resources and Digital Library

  Pace Institute of Technology and Sciences has a spacious and comfortable library to facilitate the student's and staff for their learning. Pace Library provides all the required learning resources including e-resources and Digital Library. It is filled with many volumes of books, print and online journals, e-books, magazines, CDs & DVDs, M. Tech Dissertations, etc., The library has access to e-journals in IEEE-ASPP, DELNET, IEI, and N-LIST(INFLIBNET).

- Accessibility to students: The library has provided all the facilities for the students and faculty to enhance their learning. The library is available from morning 8.00 AM to evening 8.00 PM for the students and staff. It is available on Sundays and holidays from morning 9.00 AM to evening 1.00 PM.
  - Circulation Service
  - Reference Service
  - Clipping Service
  - Internet Service
  - Reprographic Service
  - OPAC

10.4.2 Internet (10) Institute Marks : 10.00

Internet Is provided by INRI Communications and BSNL. The available bandwidth is 150 MBPS from INRI Communications and 40 MBPS and 40 MBPS from two lines of BSNL. Wi-fi facility is available throughout the campus by INRI Communications. The internet is made available through LAN connections for all the labs, offices, and digital libraries and a wi-fi facility is available for all common areas in the campus like class rooms, corridors and ground. The internet is highly secured with efficient Firewall Sophos XG 330.

Annexure I

(A) PROGRAM OUTCOME (POs)

Engineering Graduates will be able to:

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2. Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first 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)

Program should specify 2-4 program specific outcomes.

PSO1	The graduates of this program with proficiency in mathematics and physical science will excel in the core areas of civil engineering such as structural, environmnental, geotechnical, transportation and water resources engineering.
PSO2	The graduates will plan, produce detailed drawing, write specifications, analyze,design and prepare cost estimates.
PSO3	The graduates will interact with stakeholders effectively and execute quality construction work applying necessary tools.

Declaration

The head of the institution needs to make a declaration as per the format given -

- I undertake that, the institution is well aware about the provisions in the NBA's accreditation manual concerned for this application, rules, regulations, notifications and NBA expert visit guidelines inforce as on date and the institutes hall fully abide by them.
- It is submitted that information provided in this Self Assessment Report is factually correct.
- I understand and agree that an appropriate disciplinary action against the Institute willbe initiated by the NBA. In case, any false statement/information is observed during pre-visit, visit, postvisit and subsequent to grant of accreditation.

Head of the Institute
Name : Dr. G. V. K. Murthy
Designation : Principal
Signature :

Seal of The Institution :

Place : Ongole
Date : 01-04-2023 18:52:30