TMAES POLYTECHNIC, HOSAPETE

Institution Code: 316

SELF ASSESSMENT REPORT
Application No: 6947-06/06/2022

PART-A

Civil Engineering

Part A :

1 Name and Address of the Institution: **TMAES POLYTECHNIC BELLARY ROAD HOSAPETE**

2. Name and Address of the Directorate of Technical Education: **Department of Collegiate and Technical Education Palace Road Bengaluru**

3. Year of Establishment: **1983**

4. Type of the Institution: **Government Aided**

5. Ownership Status: **State Government Aided - Society**

6. Ownership Status: **State Government Aided**

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

Name of Institutions	Year of Establishment	Programs of Study	Location
TMAES TCH	1969	TEACHERS TRAINING	HARAPANAHALLI
TMAES SANSKRIT PATASHALA	1970	SCHOOL EDUCATION	HARAPANAHALLI
TMAES COLLEGE OFEDUCATION	1973	TEACHERS TRAINING	HARAPANAHALLI
TMAES HIGH SCHOOL	1979	HIGH SCHOOL EDUCATION	HARAPANAHALLI
TMAES COLLEGE OFEDUCATION	1980	TEACHERS TRAINING	GANGAVATHI
TMAES ANGANAVADITRAININGCENTER	1982	TEACHERS TRAINING	HARAPANAHALLI
TMAES HIGH SCHOOL	1982	HIGH SCHOOL EDUCATION	NEELAGUNDA,HARAPANAHALLI
TMAES SRI BAPUJI ITI	1982	TECHNICAL TRAINING	LAXMESHWARA

TMAES SRI MAHARISHIVALMIKIITI	1982	TECHNICAL TRAINING	RANEBENNUR
TMAES ITI	1983	TECHNICAL TRAINING	SHIVAMOGGA
TMAES ITI	1983	TECHNICAL TRAINING	BHADRAVATHI
TMAES ITI	1983	TECHNICAL TRAINING	HOSAPETE
TMAES ITI	1984	TECHNICAL TRAINING	CHITHRADURGA
TMAES SRI MAHARUDRASWAMYITI	1984	TECHNICAL TRAINING	CHANNAGIRI
TMAES GMCJ HIGH SCHOOL	1985	HIGH SCHOOL EDUCATION	DHULEHOLE
TMAES HIGH SCHOOL	1986	HIGH SCHOOL EDUCATION	HIREMUGADUR
TMAES SRI THIMMAIAHSHETTYITI	1986	TECHNICAL TRAINING	HAGARIBOMMANAHALLI
TMAES ITI	1989	TECHNICAL TRAINING	HIRIYUR
TMAES SRI TONKADAVEERAPPAITI	1983	TECHNICAL TRAINING	HAVERI
TMAES SCS COLLEGEOFPHARMACY	1980	PHARMACY	HARAPANAHALLI
TMAES MMJ COLLEGEOFPHARMACY	1983	PHARMACY	HAVERI
TMAES CP Ed COLLEGE	1984	PHYSICAL TEACHERS TRAINING	HAVERI
TMAES POLYTECHNIC	1984	DIPLOMA	BHADRAVATHI
TMAES AYURVEDICMEDICALCOLLEGE	1991	AYURVEDIC MEDICINE	HOSAPETE
TMAES AYURVEDICMEDICALCOLLEGE	1991	AYURVEDIC MEDICINE	BHADRAVATHI
TMAES ROSE BUDPRIMARYSCHOOL	1995	SCHOOL EDUCATION	HOSAPETE

TMAES SCHOOL OF NURSING	2004	NURSING	HOSAPETE
TMAES DAV PUBLIC SCHOOL	2004	SCHOOL EDUCATION	HOSAPETE
TMAES COLLEGE OFEDUCATION	2005	TEACHERS TRAINING	HAVERI
TMAES CP Ed COLLEGE	2005	PHYSICAL TEACHERS TRIANING	HAVERI
TMAES SIR M V POLYTECHNIC	2008	DIPLOMA	HOSAPETE
TMAES ITI	2008	TECHNICAL TRAINING	HULIGI, MUNIRABAD
TMAES EAST FORT PRIMARYSCHOOL	2010	SCHOOL EDUCATION	CHITHRADURGA
TMAES WISDOM PUBLICSCHOOL	2010	SCHOOL EDUCATION	HAVERI
TMAES SRI BANGI BASAPPPU SCIENCE COLLEGE	2011	PRE UNIVERSITY EDUCATION	HARAPANAHALLI
TMAES DAV PUBLIC SCHOOL	2013	SCHOOL EDUCATION	HARAPANAHALLI
TMAES DAV PUBLIC SCHOOL	2013	SCHOOL EDUCATION	GANGAVATHI
TMAES PRE PRIMARY SCHOOL	2017	SCHOOL EDUCATION	KAMPASAGARA
TMAES SRI CHANDRAMOULSESWAR B.Sc.	2021	NURSING	HARAPANAHALLI

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

Name of the 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 duration
Civil Engineering	**Diploma**	**1983**	**1983**	**30**	**Yes**	**60**	**Applying first time**	**-**	**-**	**Yes**	**0**

Sanctioned Intake for Last Five Years for the CIVIL ENGINEERING	
Academic Year	**Sanctioned Intake**
2023-24	60
2022-23	60
2021-22	60
2020-21	60
2019-20	60

7a Accreditation History

Sr. No	**Name of the Department**	**Name ofthe Program**	**Year of 1st Accreditation (ifApplicable)**	**Year of 2nd Accreditation(if Applicable)**	**Year of 3rd Accreditation (if Applicable)**
1					

7b Programs to be considered for Accreditation vide this application:

S No	Level	Discipline	Program
1	Diploma	Engineering & Technology	Civil Engg.
2	Diploma	Engineering & Technology	Electronics & Communication Engg.
3	Diploma	Engineering & Technology	Mechanical Engg.
4	Diploma	Engineering & Technology	Electrical and Electronics Engineering

9. Total number of Employees:

A. Regular* Employees (Faculty and Staff):

Engineering and Technology- Diploma Shift-1

Items	2023-24		2022-23		2020-21	
	MIN	MAX	MIN	MAX	MIN	MAX
Faculty in Engineering & Technology(Male)	43	43	43	43	43	43
Faculty in Engineering & Technology(Female)	10	10	10	10	9	10
Faculty in Science & Humanities (Male)	4	4	4	4	4	4
Faculty in Science & Humanities (Female)	3	3	3	3	3	4
Non-teaching staff (Male)	60	64	64	64	63	64
Non-teaching staff (Female)	5	5	5	5	5	5

B. Contractual Staff (Not Covered in 9.A):

Engineering and Technology- Diploma	☐ Shift1	☐ Shift2

10. Total number of Students:

Engineering and Technology- Diploma Shift-1

	2023-24	**2022-23**	**2021-22**
Total no. of Boys	988	962	926
Total no. of Girls	167	158	165
Total	**1155**	**1120**	**1091**

11. Contact Information of the Head of the Institution and NBA Coordinator:

Head of the Institution	
Name	Dr. H K Shankarananda
Designation	Principal
Mobile No.	9945909990
Email ID	tmaespoly316@gmail.com

NBA Coordinator, If Designated

Name	Sri. T Naziruddeen
Designation	Vice Principal/HOD, Mech. Dept
Mobile No.	9886572502
Email ID	naziruddeent@gmail.com

PART B: Criteria Summery

Criteria No.	Criteria	Total Marks	Institute Marks
1	VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES	50	47.00
2	PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES	200	188.00
3	COURSE OUTCOMES AND PROGRAM OUTCOMES	100	88.00
4	STUDENTS' PERFORMANCE	200	104.55
5	FACULTY INFORMATION AND CONTRIBUTIONS	150	122.86
6	FACILITIES AND TECHNICAL SUPPORT	100	81.00
7	CONTINUOUS IMPROVEMENT	75	64.00
8	STUDENT SUPPORT SYSTEMS	50	46.00
9	GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES	75	72.00
	Total	**1000**	**814**

CRITERIA – 1

VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES

1. VISION, MISSION AND PROGRAM EDUCATIONAL OBJECTIVES (50) Inst Marks 47.00

1.1 State the Vision and Mission of the Department and Institution (5) Total Marks 5.00 Inst Marks 5.00

Vision of the institute	Empowering youth by imparting quality technical education and strive to prepare students with excellent technical skills.
Mission of the institute	M1 To offer value added quality technical education & excellent academic training to our student. M2. To provide state of art infrastructure with latest facilities. M3 To strengthen industry institute interaction.

Vision of the Department	Creating competent Civil Engineers with social and moral values to work successfully in the fields of design estimation and construction.
Mission of the Department	M1 To impart quality technical education focusing on transfer of knowledge and skills development for the benefit of the profession to the society. M2: To develop nature talent in the students to enable them to be leaders in their chosen professions while maintaining the highest level of ethics. M3: To promote the spirit of enquiry, innovation, life skill and to encourage entrepreneurship.

PROGRAM EDUCATIONAL OBJECTIVES:

PEO No.	Program Educational Objectives Statements
PEO1	To apply technical knowledge and management principles in analyzing and planning problems in the field of civil engineering ,while ensuring maximization of economic benefits to society and minimization of damage to ecology and environment.
PEO2	To be lifelong learners with spirit of enquiry and zeal to acquire new knowledge and skills so as to remain contemporary and possess required professional skills.
PEO3	To enhance entrepreneurial, communication and other soft skills, which will enable them to work as leaders, team members and contribute to nation building for the betterment of the society.
PEO4	To make them strongly committed to the highest levels of professional ethics and focus on ensuring quality, adherence to public policy and law, safety, reliability and environmental sustainability in all their professional activities

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

Total Marks 10.00
Inst Marks 10.00

The mission and vision of the institute are published in the Institutional website http://tmaespolytechnichpt.com/.

The mission and vision is displayed at prominent locations in the campus which can be viewed by students, parents, faculty members and other stakeholders.

SL. No.	**Methodology**	**Internal stake Holders**					**External Stake Holders**		
		Students	Faculty	Management	DTED Board	NBA Committee	Parent	Employer	Alumni
1	College Website	√	√	√	√	√	√	√	√
2	Display Boards Department Class Room Laboratories Common places	√	√	√		√	√		
3	Included in The agenda of department and NBA Committee Meeting		√	√		√			
4	Direct communication				√	√	√	√	√

1.3 State the process for defining the Vision and Mission of the Department, and PEOs of the program (15)

Total Marks 15.00

Inst marks 14.00

The Process of defining the Vision and Mission of the program

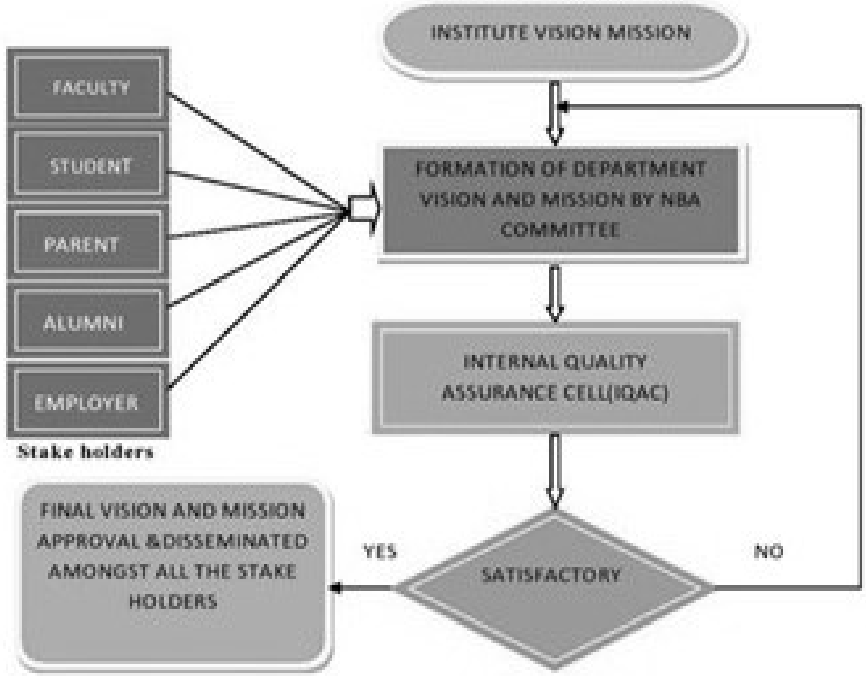


Fig 1.1.: Flowchart showing the process

Step 1: Response of the Stake holders (students, faculty members, parents, employers and alumni) regarding the vision and mission statements of the department are collected through survey.

Step 2: The views and opinions are consolidated from the survey process, and the institute vision, mission are considered in drafting the vision and mission of the department by the NBA committee.

Step 3: The draft vision and mission are reviewed by the NBA committee and further submitted to the IQAC. After confirming the consistency of the department vision and mission with the vision and mission of the institute, the same will be approved by IQAC.

Step 4: On Approval by IQAC, the vision mission of the department are published and disseminated to all the stakeholders.

1.4 The process for defining the PEOs of the program

Total Marks 5.00
Inst Marks 4.00

The Programme Educational Objectives are established through a consultation process involving the core constituents such as: Student, Alumni, Faculty, Employers and Parents, The PEOs are established through the following process, steps are followed and same as shown in the fig.

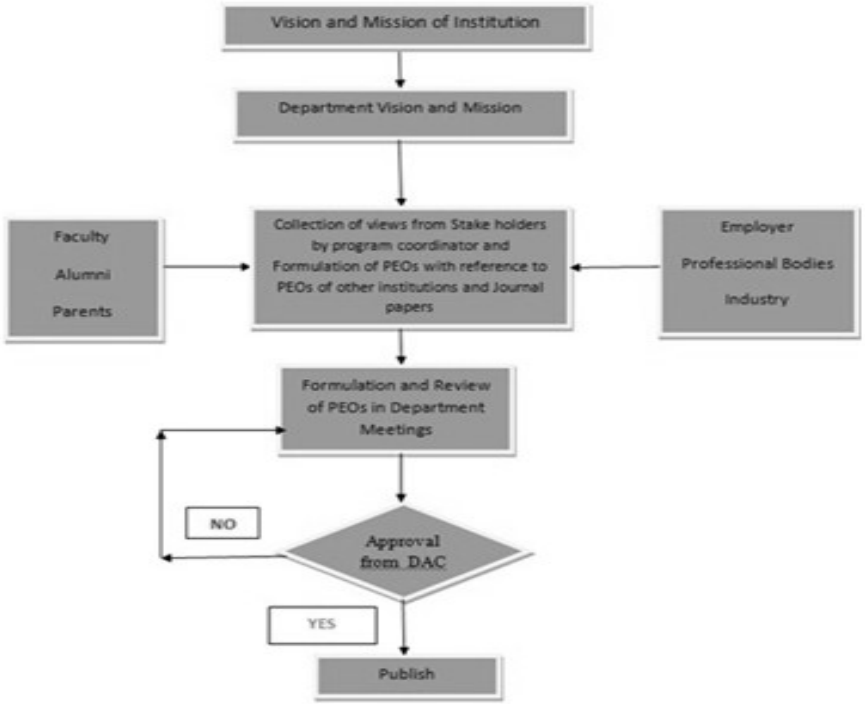


Fig:1.2 The process for defining the PEOs of the program

Step 1: The PEOs are done in live with Institute and Department's Vision and Mission state

Step 2: The collaborative views are collected from various stakeholders by the programme coordinator and formulation of PEOs with reference to PEOs of other Institution and journal papers.

Step 3: The PEOs are developed by the team of faculty members and reviewed in the departmental meeting.

Step 4: The PEOs are presented in the Program Advisory Committee (PAC) for additional inputs requirements for any change in the statements.

Step 5: Finalized programme Educational objectives (PEOs) are published.

1.5 Establish Consistency of PEOs with Mission of the Department (15) **Total marks 15.00**
Inst Marks 14.00

PEO Statements	M1	M2	M3
To apply technical knowledge and management principles in analyzing and planning problems in the field of civil engineering ,while ensuring maximization of economic benefits to society and minimization of damage to ecology and environment	3	2	2
To be lifelong learners with spirit of enquiry and zeal to acquire new knowledge and skills so as to remain contemporary and possess required professional skills.	2	2	2
To enhance entrepreneurial, communication and other soft skills, which will enable them to work as leaders, team members and contribute to nation building for the betterment of the society.	2	2	2
To make them strongly committed to the highest levels of professional ethics and focus on ensuring quality, adherence to public policy and law, safety, reliability and environmental sustainability in all their professional activities	2	2	2

	M1	M2	M3	Justification
PEO1	3	2	2	Mission 1 is strongly correlated to PEO1, as thereflects to provide quality technical education tothe graduates of civil engineering with an impact on economic and social development. Mission 2 is moderately correlated to PEO1,enabling the graduates to demonstrate leadership skills required for overall development Mission 3 is moderately correlated to PEO1, asto develop enquiry based learning required in lifelong learning process promoting innovative skills..
PEO2	2	2	2	Mission 1 is moderately correlated to PEO2, as it reflects to provide quality technical education to graduates of civil engineering by focusing on professional skills . Mission 2 is moderately correlated to PEO2, as it depicts successful professional career practicing leadership skills and ethical skills. Mission 3 is moderately correlated to PEO2, as practical skills in the core areas of civil engineering with Innovative approach and facilitate life- long learning practices .
PEO3	2	2	2	Mission 1 is moderately correlated to PEO3, as itreflects to provide quality technical education to graduates of civil engineering with a focus toimpart team work, entrepreneur skills and communication skills involving both verbal and non verbal skills sets. Mission 2 is moderately correlated to PEO3, as ethical and social responsibilities are imparted tograduates by continuous engagement in team work, communication and leadership skills addressing social concern. Mission 3 is moderately correlated to PEO3, as itdepicts to practical learning skills and ability to involve in lifelong learning process for the successful professional growth.

PEO4	2	2	2	Mission 1 is moderately correlated to PEO4, as itreflects to provide quality technical education to graduates of civil engineering with a focus toimpart ethical skills exhibiting adherence to professional policies and procedures leading to the sustainable development of the society. Mission 2 is moderately correlated to PEO4, as ethical and social responsibilities are imparted tograduates by continuous engagement in team work, communication and leadership skills addressing social concern. Mission 3 is moderately correlated to PEO4, as itdepicts to practical learning skills and ability to involve in lifelong learning process for the successful professional growth.

CRITERIA – 2

PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES

2. PROGRAM CURRICULUM AND TEACHING - LEARNING PROCESSES (200) **Inst Marks 188.00**

2.1 Program Curriculum (40) **Total Marks 40.0**

Inst Marks 38.0

All POs and PSOs are being demonstrably met through Curriculum? :

2.1.1 State the process used to identify extent of compliance of the Board curriculum for attaining the Program Outcomes (POs) and Program Specific Outcomes (PSOs) as mentioned in Annexure I. Also mention the identified curricular gaps, if any (40)

Process used to identify extent of compliance of curriculum for attaining POs & PSOs (40)

TMAES Polytechnic, established in the Year 1983. The college is recognized by Government of Karnataka and affiliated to AICTE, New Delhi. The Curriculum for CIVIL Engineering program comprises of the Course content as prescribed by the DCTE, Bangalore. The DCTE maintains balance between various Disciplines such as Science & Humanities, Basic sciences, Program Core, Engineering Program Elective, Inplant training course. Hence the Civil Engineering Program structure follows the recommendations of the Board of Technical Examination (BTE), Bangalore, time to time and accordingly modifies the curriculum. Further the Civil Engineering Curriculum is also upgraded continuously as per the directions from Curriculum Development Cell of the DCTE. The cell conducts periodic meetings and sets guidelines and frame the syllabus based on the input received from Industrialists, Academicians, Industrialists and Alumni. The curriculum will be revised once in 5 years by the DCTE.

The board follows the overall curriculum break up and it is implemented in its program, which is for a period of 6 semesters or 3 years.

PROGRAM OUTCOMES (POs)

1	**Basic and Discipline specific knowledge**: Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.
2	**Problem analysis**: Identify and analyse well-defined engineering problems using codified standard methods.
3	**Design/development of solutions**: Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.
4	**Engineering Tools, Experimentation and Testing**: Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.
5	**Engineering practices for society, sustainability and environment**: Apply appropriate technology in context of society, sustainability, environment and ethical practices.
6	**Project Management**: Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.
7	**Life-long learning**: Ability to analyse individual needs and engage in updating in the context of technological changes.

PROGRAM SPECIFIC OUTCOMES (PSOs)

PSO1	Diploma graduates have an ability to plan, analysis, design, execution, lab testing for materials and to maintain cost effective structures with less usage of natural resources
PSO2	The graduates of civil engineering programme have the ability to take up unemployment, entrepreneurship like consulting civil engineer, contractor, bank valuer, surveying and cadd design, research and development for sustainable civil society.
PSO3	The Graduates of civil engineering programme can peruse professional growth, higher studies, leadership qualities, demonstrate professional integrity, ethics, issues related to civil engineering projects and engage in lifelong learning.

Table 2.1: Structure of the program as per BTE Curriculum (2020 Scheme)

AUDIT COURSES

Code	Course Title	Hours per week			Sem	Credits
20AU01T	Environment Sustainability	2	0	0	I	2
20KA21K	Kannada-I	2	0	0	III	2

Total Credits 04

Humanities & Social sciences

Code	Course Title	Hours per week			Sem	Credits
20EG01P	Communication Skills	2	0	4	I	4

Total Credits 04

Engg Sciences

Code	Course Title	Hours per week			Sem	Credits
20CS01P	IT Skills	2	0	4	I	4
20EE01P	Fundamentals of Electrical & Electronics Engineering	2	0	4	II	4

Total Credits 08

Basic Sciences

Code	Course Title	Hours per week			Sem	Credits
20SC02T	Statistics and Analytics	2	0	4	I	4
20SC01T	Engineering Mathematics	4	0	0	II	4
20PM01T	Project Management Skill	6	0	0	II	4

Total Credits 12

Program Core Course

Code	Course Title	Hours per week			Sem	Credits
		L	T	P		
20CE11T	Construction Materials	4	0	0	I	04
20CE21P	Civil Engg Graphics	2	0	4	II	04
20CE22P	Basic Surveying	2	0	4	II	04
20CE31P	Engg Mech and Strength of Materials	3	1	4	III	06
20CE32P	Modern Surveying	3	1	4	III	06
20CE33P	Construction Technique	3	1	4	III	06
20CE34P	Building Drawing Using CADD	3	1	4	III	06
20CE41P	Concrete Technology	3	1	4	IV	06
20CE42P	Building Estimation and Valuation	3	1	4	IV	06
20CE43P	Site management	3	1	4	IV	06
20CE44P	Design and Detailing of RCC	3	1	4	IV	06
20CE45T	Indian Constitution	2	0	0	IV	02
Total Credits						**62**

Program Specialization Path way Courses

Code	Course Title	Hours per week			Sem	Credits
		L	T	P		
20CE54T	Built Environment	104	52	312	V	24
Total Credits						**24**

Program Specialization Path way Courses

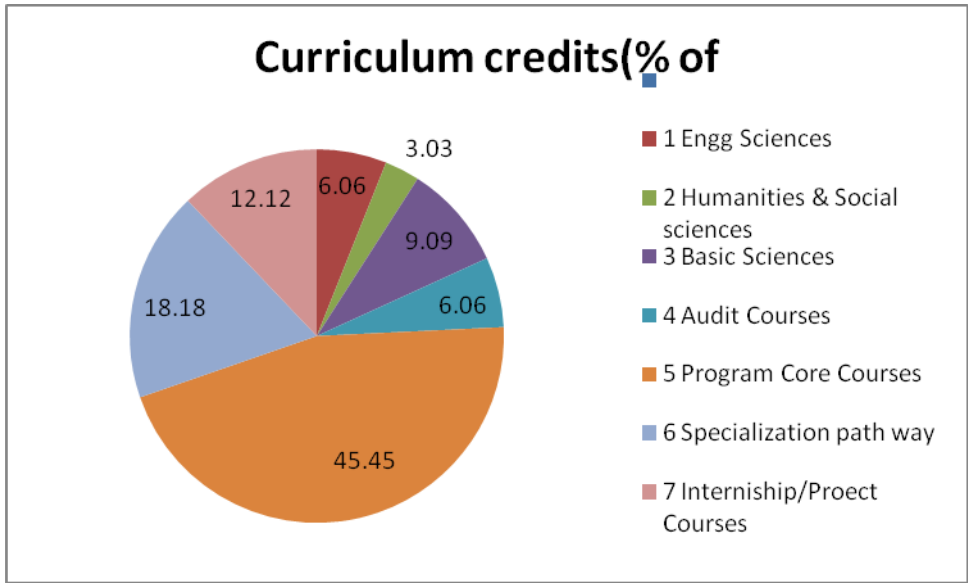
Code	Course Title	Hours per week			Sem	Credits
		L	T	P		
20CE61S	Internship/Project	640			VI	16
Total						**16**
Credits						

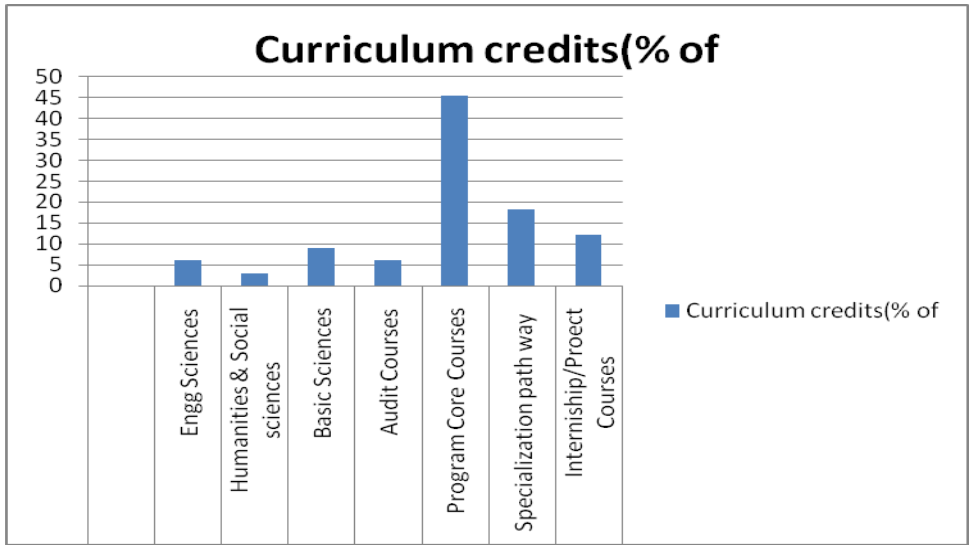
Components			
Components	Total Credit	Total Contact Hours	% of Total Credit
Engg Sciences	08	12	6.06
Humanities & Social sciences	04	06	3.03
Basic Sciences	12	14	9.09
Audit Courses	08	08	6.06
Program Core Courses	60	80	45.45
Specialization path way	24	36	18.18
Interniship/Proect Courses	16	40	12.12
Total	132	196	**100**

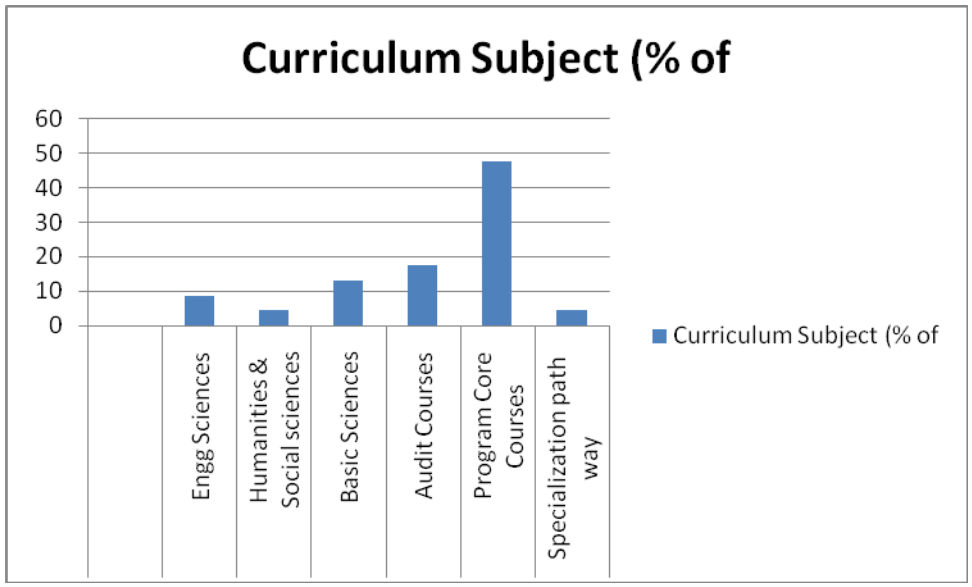
Table 2.1 Structure of the program as per BTE Curriculum

Sl no	Course Component	Curriculum credits(% of contribution)
1	Engg Sciences	**6.06**
2	Humanities & Social sciences	**3.03**
3	Basic Sciences	**9.09**
4	Audit Courses	**6.06**
5	Program Core Courses	**45.45**
6	Specialization path way	**18.18**
7	Internship/Project Courses	**12.12**

Pie chart shows Curriculum credits(% of contribution)






Curriculum Subject (% of
60
50
40
30
20
10
0
Engg Sciences
Humanities & Social sciences
Basic Sciences
Audit Courses
Program Core Courses
Specialization path way
Curriculum Subject (% of

Process used to identify extent of compliance of Curriculum forAttaining PO's and PSO's (15):

Steps to Gap identification:

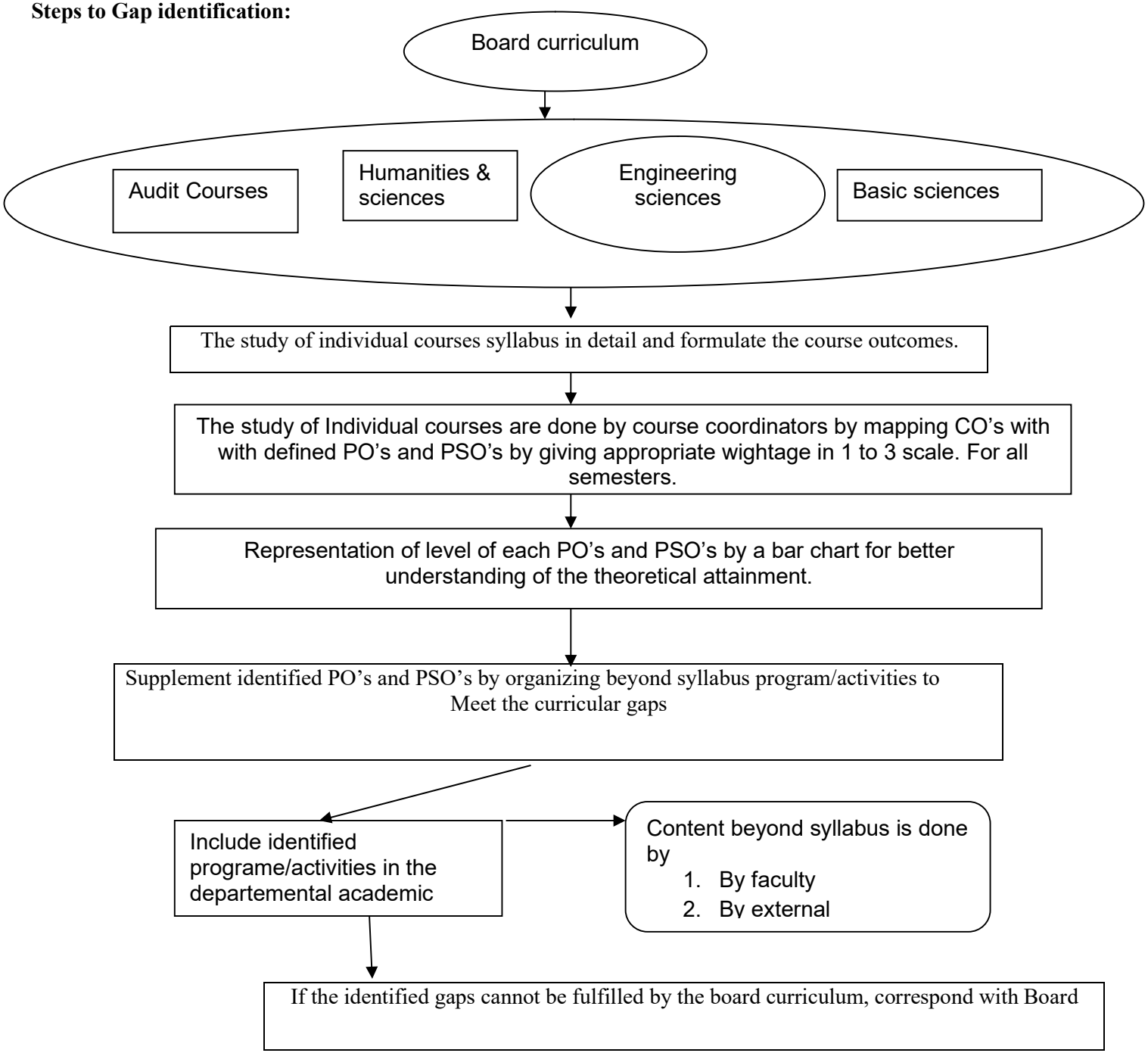


Fig 2.1: CURRICULUM CONTRIBUTION (2020 CURRICULUM)

As per the curricular mapping PO3,PO5, PO6, and PSO3 are comparatively low. Hence, the following activities are identified to supplement mapping of POs and PSOs as shown in table 2.1.1.2.

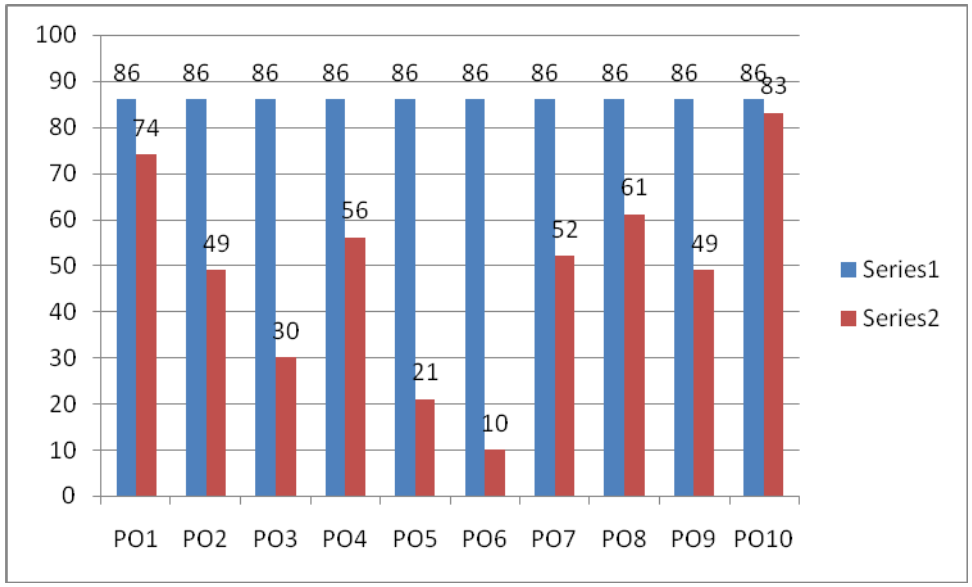
Table 2.1.1.2: Identified activities to supplement mapping of POs and PSOs

Sl.no	SEM	Course	Course Code	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
1		MOC	CO101.1	3			3			3	3	3	3
2			CO101.2	3			3			3	3	3	3
3			CO101.3	3			3			3	3	3	3
4			CO101.4	3			3			3	3	3	3
5		CUM SKILLS	CO102.1						3				3
6			CO102.2						3	3			3
7			CO102.3						3				3
8			CO102.4							3			3
9	I	ST ANALYSIS	CO103.1	3	3		3	3		3	3		3
10			CO103.2	3	3		3	3		3	3		3
11			CO103.3	3	3		3	3		3			3
12			CO103.4	3	3		3	3		3			
13		IT SKILLS	CO104.1	3			3			3			3
14			CO104.2	3			3			3	3		3
15			CO104.3	3			3			3			
16			CO104.4	3			3			3			
17			CO104.5	3			3			3	3		3
18		ENGG MATHS	CO106.1	3						3	3		3
19			CO106.2	3						3			3
20			CO106.3	3						3			3
21			CO106.4	3		3				3	3		3
22			CO106.5	3		3				3	3		3
23		PMS	CO107.1	3	3			3		3	3	3	3
24			CO107.2	3	3	3				3	3	3	3
25	II		CO107.3	3	3	3				3	3	3	3
26			CO107.4	3			1		1	3		3	3
27			CO107.5	3	3			3		3		3	3
28			CO107.6	3				3		3		3	3
29		CEG	CO108.1	3	3		3				3	2	3
30			CO108.2	3	3		3						3
31			CO108.3	3	3		3						3
32			CO108.4	3	3		3				3		3

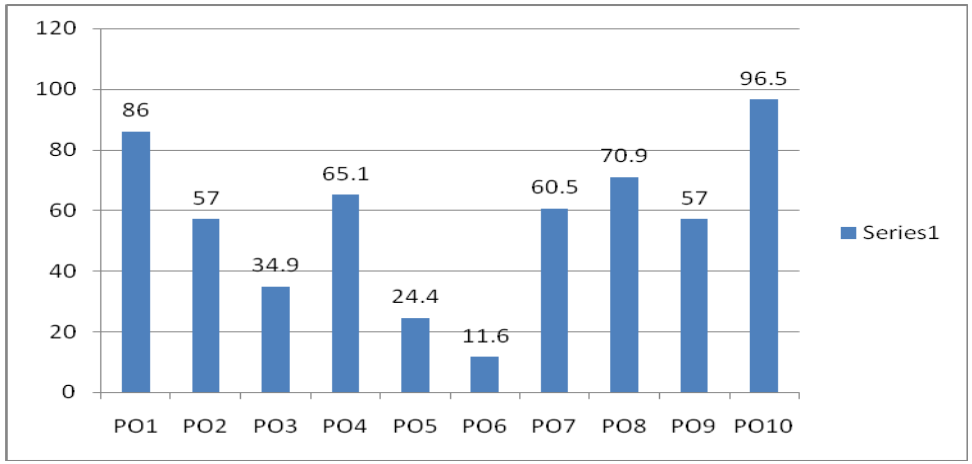
33			CO108.5	3	3		3				3	2	3
34		BASIC SURV	CO109.1	3						1	3	3	3
35			CO109.2	3	3	3	3				3	3	3
36			CO109.3	3	3	3	3				3	3	3
37			CO109.4	3	3	3	3				3	3	3
38			CO109.5	3	3	3					3	3	3
39		FEEE	CO110.1	3			3				2		3
40			CO110.2	3			3						3
41			CO110.3	3			3				2		3
42			CO110.4	3			3						3
43			CO110.5	3			3						3
44		ENG MECH SOM	CO201.1	3	3						3	3	3
45			CO201.2	3	3	3					3	3	3
46			CO201.3	3	3	3					3	3	3
47			CO201.4	3	3	3					3	3	3
48			CO201.5	3	3	3					3	3	3
49		MODETN SURV	CO202.1	3	3		3			3	3	3	3
50			CO202.2	3	3		3			3	3	3	3
51			CO202.3	3	3		3			3	3	3	3
52	III		CO202.4	3	3		3			3	3	3	3
53		CONSTR TECHN	CO203.1	3	3		3				3		3
54			CO203.2	3	3						3		3
55			CO203.3	3	3	3	3	3		3	3		3
56			CO203.4		3	3		3		3	3	1	3
57		BULD DRW CADD	CO204.1	3			3	1		3	3	3	3
58			CO204.2	3			3			3	3	3	3
59			CO204.3	3			3			3	3	3	3
60			CO204.4	3			3			3	3	3	3
61		CONCRT TECHN	CO205.1	3			3				2		3
62			CO205.2	3			3				2		3
63			CO205.3	3			3	2					3
64			CO205.4	3			3	2			2		3
65		BULD EST & VAL	CO206.1	3	3		3			3		3	3
66			CO206.2	3	3		3			3		3	3
67	IV		CO206.3	3	3		3			3		3	3
68			CO206.4	3	3		3			3		3	3
69		SITE MANAGEMENT	CO207.1	3		3					3	3	3
70			CO207.2	3	3					3	3	3	3
71			CO207.3	3	3					3	3	3	3
72			CO207.4		3	3	3	3	3	3	3	3	3

73		DISG & DET OF RCC	CO207.1	1		3					3		3
74			CO207.2		3	3					3		3
75			CO207.3		3	3					3	3	3
76			CO207.4		3	3					3	3	3
77			CO207.5			3	1					3	3
78	IV	BUILT ENVIRONMENT	CO301.1	3	3	3	3	3		3	3	3	3
79			CO301.2		3	3	3				3		3
80			CO301.3	3	3	3	3	3		3	3		3
81			CO301.4		3	3	3	3		3	3	3	3
82	VI	INPLANT TR/PROJECT	CO302.1	3	3	3	3	3	3	3	3	3	3
83			CO302.2	3	3	3	3	3	3	3	3	3	3
84			CO302.3	3	3	3	3	3	3	3	3	3	3
85			CO302.4	3	3	3	3	3	3	3	3	3	3
86			CO302.5	3	3	3	3	3	3	3	3	3	3
Total number of Pos				**86**	**86**	**86**	**86**	**86**	**86**	**86**	**86**	**86**	**86**
linked Pos				74	49	30	56	21	10	52	61	49	83
% of Linked PO's				**86**	**57**	**34.9**	**65.1**	**24.4**	**11.6**	**60.5**	**70.9**	**57**	**96.5**

List of CO's addressed with PO's shown through bar chart



List of % of PO's mapped with CO's shown through bar chart



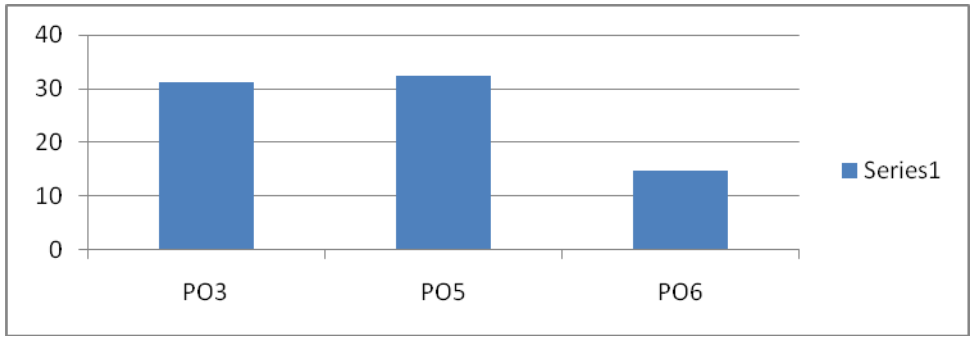
B. List of curricular gaps for the attainment of defined PO's and PSO's

Based on 50% target has been fixed for each PO's and PSO's

1.The following PO's and PSO's are partially attained by the DTE curriculum which are identified as Gaps as per computations made in the Table 2.4 Stakeholders combined with mapping as shown in Figure

The following PO's and PSO's are fully attained by the curriculum	The following PO's and PSO's are partially attained by the curriculum
1. PO1 **2. PO2** **3. PO4** **4. PO7** **5. PSO1** **6. PSO2** **7. PSO3**	**1. PO3** **2. PO5** 3. **PO6**

To fulfill the Gaps as identified in the Civil Engineering, Curriculum, the Department hasconducted additional courses such as invited talks, seminars, workshops & personality development programs as exhibited in



2.1.1 Statement of Delivery details of the Content beyond the syllabus and curriculumgap for Attainment of Pos and PSOs

A. Initiation taken up to include identified gaps in to the curriculum.

A meeting of all the Members of Department Advisory committee (DAC), Construction industry professionals, Alumni's and all other faculty members was called in the Department on **25.07.2017** to identify the curriculum gaps based on the needs of Construction Industry. After deliberations made between the members the industry professionals and Alumni opinions, that, the Graduates produced from the Institutes are notcompetitive enough to face the challenges of the industry, as they are not inculcated with enough technical knowledge and field/site problems expected to face in their Profession. During the Proceedings of the meeting, the experts after discussions identified and suggested some modifications in the Program structure (gaps) to fulfill the needs of the Industry. Lastly the experts advised to modify the syllabus in the succeeding BOS meetings.

If some such Course contents to attain PO's and PSO's re not inculcated in the curriculumprovided by the affiliated University then the Institution/Department applies additional efforts to impart such knowledge by covering aspects through **"CONTENTS BEYOND SYLLABUS".** The details are shown in Figure No.2.8.Subsequently after the Identification of curriculum Gaps as stated in section 2.1.1.and to accomplish the same a letter Dated 25.7.2017 was submitted to The Registrar, DTE by thePrincipal, TMAES, requesting him to include the contents of PO's and PSO's which are not attained from the Board curriculum for the Academic Year 2016-17. If theUniversity adopts measures to include the aforesaid contents into the board curriculumhigher level of attainment of the PO's &PSO's is possible directly through the curriculum itself.

B. Initiation taken up by the Department to fill the Gaps:

The following activities/events are adopted to fill the gaps Content beyond the syllabus:

1. **Workshops**
2. **Invited talks**
3. **Tech- festivals**
4. **Seminars**
5. **Field trips/visits**
6. **Training programs**

C. Mapping of content beyond syllabus with the PO's and PSO's.Table 2.5: Programs conducted for the Academic Year 2023-24

sl no	Gap	Action taken	Date/Month /Year	Resource Person with Designation	mode	No of students present
1	PO3,PO5,PO6,PO7	Concept of Shear force and Bending moment	22-08-2023	Prashant D	LECTURE	25
2	PO3,PO5,PO6,PO7	Theory of Pure Bending	31-08-2023	Basavraj Hulli	LECTURE	42
3	PO2,PO3,PO5,PO7	Design of two way slabs	10-01-2024	Basavraj Hulli	LECTURE	37

Academic Year m1 2022-23

sl no	Gap	Action taken	Date/Month /Year	Resource Person with	mode	No of students
1	PO3,PO5,PO6,PO7	Time management	10/11/2022	Channaveeresh H	PPT	40
2	PO2,PO7	Types of roads and alternative materials	28/10/2022	Basavraj (JE, ZP Division)	LECTURE	28
3	PO2,PO3,PO5,PO7	Tender process and PWD accounts	24/03/2023	Vinayaka M N (AEE, ZP Division)	LECTURE	17
4	PO2,PO3,PO4,PO5,PO7	Earthquic resistances building & P.S.C Stracture	5/4/2023	H M Prashant (Revulutionary	LECTURE	22
5	PO2,PO3,PO4,PO7	Stabilized cement and soil blocks and precast products	5/5/2023	Avinash M (JE, ZP Division)	LECTURE	21

Academic Year m2 2021-22

sl no	Gap	Action taken	Date/Month /Year	Resource Person with	Moda	No of students
1	PO3,PO5,PO6,PO7	Concept of Centroid for Unequal sections	2/12/2021	Basavaraj Hulli	LECTURE	37
2	PO3,PO5,PO6,PO7	Leadership Qualities	24/01/2022	Channaveeresh H. Lecturer	PPT	32
3	PO2,PO5,PO6,PO7	Water proofing and treatment for slabs	8/6/2022	H M Prashant (Revulution Infrastructure)	LECTURE	46

2.2 Teaching – Learning Process

2.2.1. Describe processes followed to ensure/improve quality of Teaching & Learning based on following points (25)

Inst Marks 19.0

A. Adherence to Academic Calendar Inst Marks 2.00

Academic calendar provided by the Board is used as reference & the detailed calendar of events is prepared by the institute and them the department calendar of events is prepared at the beginning of the semester which includes guest lecturers, workshops, industrial visit in plant Training, sports day, internal assessment test, laboratory and semester end examination.

B. Use of various instructional planning and delivery methods Inst Marks 2.00

Various Instructional methods and pedagogical initiates involved in teaching learning process are listed below:

1. Lecturing using chalk and talk
2. Lecturing through Tutorials and Remedial classes
3. Power point presentation
4. Models
5. Industrial tours/Field demonstrations /Real World citations
6. Demonstrations in the class room

C. methodologies to support weak students and encourage bright students:

- The Course Co-Ordinator identifies weak and bright student

- The weak students are identified from their participation in classroom discussion and performance in Every CO based on target set for that course.
- A group of students are allocated to each Faculty who act as mentor to address thegrievances of each student and after counseling, suitable suggestions/ advise is given and the Department will try to resolve the issues of mentee.

Initiatives and implementation details of Encouraging Meritorious Students.

- Encouraged to participate in various competitive exams/quest/quiz.
- Inspired to take up competitive examinations like DCET etc.,

Meritorious students are awarded through Academic excellence Felication function.

E. Quality of classroom teaching Inst marks 3.00

All classrooms are provided with green boards, all the theory courses are delivered through lectures. Students are encouraged to interact and discuss with the faculty during lecture and get their doubts cleared. For the courses involving numerical and designs, problems from the BTE question papers are solved in the class. Numerical examples with twist in the data or solutions are also discussed or given as assignment. A minimum of 75% attendance is to be attained by the student to appear for the BTE examination. The Board stipulates maximum number of four heads as backlogs in first and second semester to enter third semester and these eligibility criteria depends on the prevailing scheme. The Students attendance is monitored every month and the list of the students with low attendance is displayed in the notice board.

All these regulations prompt the students to be regular and serious in their studies.

Based on the request from the Faculty and considering the importance of the subject, additional teaching hours are allotted in the Section Time Table as tutorial classes

F. Conduct of experiments Inst marks 3.00

Initiatives and implementation details of improving Laboratory Experience in Conducting Experiments:

- Student Batches for each experiment are made depending on the type of experiment, laboratory and availability of equipment.
- The faculty will monitor the progress of experiments carried out by each batch of students.
- The faculty checks/verifies the observations recorded in the observation book with calculations until the results and conclusions are drawn by the students.

- The students will enter the entire observations in observation book and submit the record in the subsequent week with all the information related to the test/experiment.
- Viva questions/question bank is provided to students prior to the DTEexaminations.
- At the end of the semester an internal practical test is conducted in line with DTE practical examination and marks are awarded.
- The performance of Students in the Laboratories are evaluated by the faculties for25 marks is presented in the below Table

Below table shows Sample Evaluation of Skill Test(Practical Examination) for one subject in third sem Introduction to Engg Mech and strength of materials as follows,

Table No. 2.5

Division of marks followed for evaluating students

Level	Evaluation Type	
1.	Portfolio Evaluation	**10**
2.	One question on forces and its validation using suitable software	**10**
3.	Conduction of Experiment based on given tests	**40**
4.	Manual calculation and validation of results with suitable software.	**30**
5.	Viva voce	**10**
Total		**100**

G. Continuous Assessment in the laboratory Inst marks 3.00

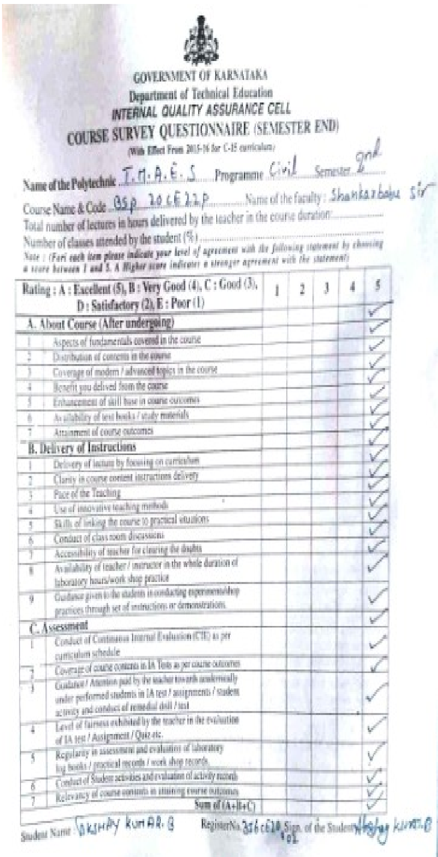
Continuous assessment system is also implemented for assessment of laboratory work. The assessment is done on the basis of submission of laboratory records, understanding of the Experiment through oral viva voce questions and participation in performing the experiment. Neatness of the laboratory record book is also given weightage in the assessment

H. Student feedback of teaching learning process and action taken Inst marks 5.00

Feedback on faculty from students will be collected once in every semester at the Institute level. Feedback forms for Mid-sem and End-sem are pre-printed in the IA books. The students are insisted to award marks for each parameter and fill other details

provided. Using the information of the feedback, analysis will be done and appropriate steps will be initiated, such as, issuing memos to faculty either with appreciation or advice to improve his/her performance

Sample Feedback Forms:



GOVERNMENT OF KARNATAKA
Department of Technical Education
INTERNAL QUALITY ASSURANCE CELL
COURSE SURVEY QUESTIONNAIRE (SEMESTER END)
(With Effect From 2015-16 for C-15 curriculum)

Name of the Polytechnic T.M.A.E.S Programme Civil Semester 2nd
Course Name & Code BSP 20CE22P Name of the faculty : Shankarbabu sir
Total number of lectures in hours delivered by the teacher in the course duration:
Number of classes attended by the student (%)
Note : (For each item please indicate your level of agreement with the following statement by choosing a score between 1 and 5. A Higher score indicates a stronger agreement with the statement)

Rating : A : Excellent (5), B : Very Good (4), C : Good (3), D : Satisfactory (2), E : Poor (1)		1	2	3	4	5
A. About Course (After undergoing)						✓
1	Aspects of fundamentals covered in the course					✓
2	Distribution of contents in the course					✓
3	Coverage of modern / advanced topics in the course					✓
4	Benefit you derived from the course					✓
5	Enhancement of skill base in course outcomes					✓
6	Availability of text books / study materials					✓
7	Attainment of course outcomes					✓
B. Delivery of Instructions						✓
1	Delivery of lecture by focusing on curriculum					✓
2	Clarity in course content instructions delivery					✓
3	Pace of the Teaching					✓
4	Use of innovative teaching methods					✓
5	Skills of linking the course to practical situations					✓
6	Conduct of class room discussions					✓
7	Accessibility of teacher for clearing the doubts					✓
8	Availability of teacher / instructor in the whole duration of laboratory hours/work shop practice					✓
9	Guidance given to the students in conducting experiments/shop practices through set of instructions or demonstrations.					✓
C. Assessment						✓
1	Conduct of Continuous Internal Evaluation (CIE) as per curriculum schedule					✓
2	Coverage of course contents in IA Tests as per course outcomes					✓
3	Guidance / Attention paid by the teacher towards academically under performed students in IA test / assignments / student activity and conduct of remedial drill / test					✓
4	Level of fairness exhibited by the teacher in the evaluation of IA test / Assignment / Quiz etc.					✓
5	Regularity in assessment and evaluation of laboratory log books / practical records / work shop records					✓
6	Conduct of Student activities and evaluation of activity records					✓
7	Relevancy of course contents in attaining course outcomes					✓
	Sum of (A+B+C)					✓

Student Name : AKSHAY KUMAR. B RegisterNo. 356CE20 02 Sign. of the Student Akshay kumar.B

2.2 Initiatives to improve the quality of semester tests and assignments Total marks 15.00

Process for Internal semester question paper setting and evaluation and effective process implementation Inst Marks 12

A Process followed to monitor quality of internal assessment test question papers **Total Marks 5.00**
Inst Marks 4.00

The Department follows guidelines of DTE to conduct IA test and award the marks as per the guidelines of affiliated DTE Board. DTE Board gives compendium that contains rules and regulation tobe followed for conducting IA tests.

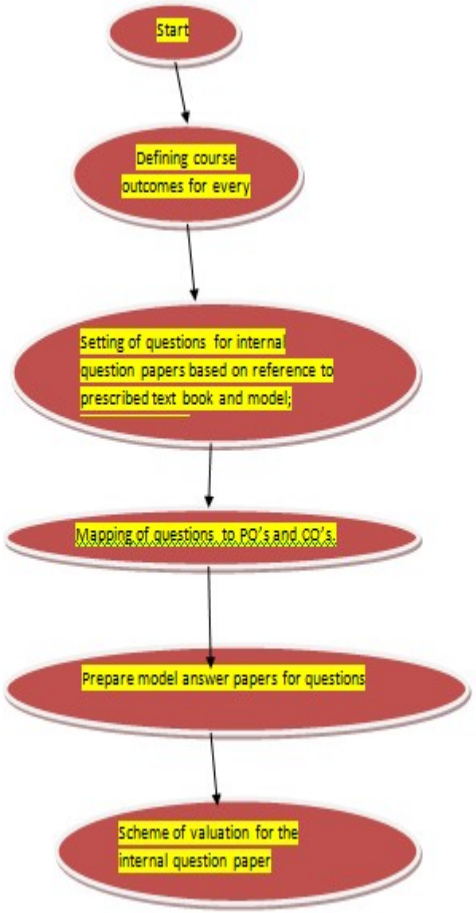


Fig. 3 shows Flowchart to conduct Internal Assessment Test

B. Question paper setting taking into account outcomes/learning levels **Total Marks 5.00**
Inst Marks 4.00

Each question is mapped with COs POs & Blooms taxonomy (BT) levels .Student who answered to particular question is taken into consideration and

average of all students marks is taken for CO -PO attainment.

C. COs coverage in class test / mid-term tests and assignments **Total Marks 5.00**
Inst Marks 4.00

DCTE Board prescribes course outcomes and same will be followed and course attained through teaching learning process.

2.2.3 Quality of Experiments **Total Marks 15.00**
Inst Marks 13.00

A.Experimental methodologies. **Inst marks 4.00**

Every laboratory in the department strives to excel in conduction of experiments.

The main methodology of experiments consists of:

- Total strength is divided into three batches
- Each batch is allotted for different laboratories which run parallel for conduction of Experiments.
- For computer labs 1:1 ratio is maintained for other labs 3 to 4 students are allotted for conduction and in computer labs 1 PC for one student.
- The apparatus or instruments are provided for students to conduct experiment with DO's and Dont's and safety measures.
- The laboratory equipment is maintained properly in order to get correct readings, regular service and maintainance is carried out.
- Laboratory manuals are prepared by course coordinators prior to start of semester and these are issued to students through book bank scheme as ready reference.

B. Innovative experiments including industry attached practices, virtual labs **Total Marks 5.00**
Inst Marks 4.00

Students have undergone material testing on concrete and steel to the address called Shri. Purandar Premier Foundation and consulting engineer, Land survey and Material testing Krishnanagar, Hosapete.

Students have undergone work on Advanced Auto cad of different clients of Architect office called Shri. Arunkumar Raybagi Architect Astu Architect office Krishnanagar, Hosapete.

Students have undergone to conduct the land survey using modern survey instruments of the clients. Shri. Prabhakar Reddy CEO, SUMS Sanklapur, Hospet.

C. Relevance to outcomes

Total Marks 5.00
Inst Marks 5.00

* In order to provide practical knowledge for students with respect to programs, syllabus contains both theoretical & practical courses

* The graded experiment as per the syllabus of the laboratory is mapped with COs, POs& PSOs.

Sl.no	List of Experiments	Relevance to CO	Relevance to PO and PSO
1	Compaction factor test	CO3	PO1,PO2,PO3,PO4,PO5,PO6,PSO1
2	Compressive strength of Concrete cubes.	CO2	PO1,PO2,PO3,PO4,PO5,PO6,PSO1
3	Non destructive testing (Reboundhammer or Ultra sonic pulse velocity)	CO4	PO1,PO2,PO3,PO4,PO5,PO6,PSO1
4	Residential Building, two storied building, and commercial buildings with Autocad Software	CO2	PO1,PO2,PO3,PO4,PO5,PO6,PSO1,PSO2
5	To conduct hardness and impact test based on Rockwell and charpy testing machines.	CO2	PO1,PO3,PO4,PO6,PO7,PSO1,PSO2
6	.Use of instruments in levelling and conducting experiments on methods of levelling.	CO3	PO1,PO2,PO3,PO4, PO6,PO7,PSO2
7	Conduct Longitudinal and cross sectioning for the given alignment and analyze the data by Block levelling (contours) prepare the drawings	CO4	PO1,PO2,PO3,PO4,PO5,PO6,PSO2

2.2.4 Quality of Students Projects and Report Writing **Total Marks 35.00**
Inst Marks 25.00

Identification of projects and allocation methodology

The student's projects are selected in line with department mission, vision and Program outcomes. Students are provided with brief idea of various fields for selecting the project ideas.

The project is displayed on notice board foir the student project work.

The faculties encourage the students to carry out in house projects and support will be provided with all necessary software and hardware.

The faculties encourage students to participate in project exhibitions. The project exhibition was aimed to provide common platform to exhibit their innovations and their work towards excellence in latest technology

The faculties encourage students to publish their project work in reputed journals/conferences

A Identification and allocation methodology of Projects;. **Total Marks 3.00**
Inst Marks 3.00

The following Committee/Committee Members are constituted to make the regulations and to evaluate the Projects:

1. HOD
2. Project Review Committee
3. Project Guide
4. Project Co-ordinator

A **Project Review Committee (PRC)** is constituted by Head of the Department, along with the Project Coordinator comprising of senior Faculty members representing all specializations. The HOD nominates one of the Faculty as Project Coordinator to monitor all Project related activities. An external subject expert evaluates all projects and declare best and average project based on the rubrics of the project.

Selection of Project Field:
The students are given option to choose their field of interest from different streams/fields.

Project Batch Formation:
Project batches are formed based on area of interest and considering their individual grades of previous semester and overall academic background.

The process of initiating and offering projects for the students is made by keeping the following views and perspectives:

The Projects in the Department are so chosen so as to benefit the society andhave direct application in the field of Civil Engineering and also that helps students to prospective thinkingabout their higher studies and career after graduation. The students are guided to select projects so that, current Civil Engineering issues or burning problems faced by construction industry are selected as Projects. Considering the possibilitiesof choosing fields with a view of innovative ideas and focusing on thrust areas such as energy, environment, and use of alternative building materials.

The Project fields are also chosen, so as to strengthen the Attainment of Program outcomes and Program Specific outcomes which are identified as Gaps as per the table No 2.9 and also in linewith the Department Mission and Vision

B.Types and relevance of the projects and their contribution towards attainment of POs and PSOs **Total Marks 5.00**
Inst Marks 4.00

SL. NO	TYPES OF PROJECTS	In line with Pos	PSO's
1	Solid Waste management	PO1,PO2,PO3,PO5,PO6,PO7	PSO3
2	An experiment investigation on strength & properties of concrete replacing sand by Msand.	PO1,PO2,PO3,PO4,PO5,PO6,PO7	PSO1,PSO3
3	Valuation of the buildings.	PO1,PO2,PO3,PO5,PO7	PSO2,PSO3
4	Design and estimation ofcement concrete road	PO1,PO2,PO3,PO5,PO7	PSO1,PSO2,PSO3
5	Annual repair and maintenance of hostelbuilding.	PO1,PO2,PO3,PO7	PSO1
6	Rain water harvesting.	PO1,PO2,PO3,PO5,PO6, PO7	PSO3

C.Process for monitoring and evaluation

The section is addressed to cohort owner and examiners. it provides information on assessment criteria for the capstone project work. It also provides guideline o students about what examiners will be looking for in evaluating the capstone projects. The capstone project work will be looking for 400 marks through formative and summative assessment tools, in formative assessment the capstone project will be evaluated for 240 marks and in summative assessment capstone proect will be evaluated for 160 marks.

Project Evaluation process is divided into four phases:

Phase 1: writing the Capstone project scope documents in that capstone project planning and identification of Methedology including literature survey.

Phase 2: Capstone project details.

In that It contains Description of technology used along with if any software's used along with diagrams and fabrication details.

Phase 3: Testing and Validation:

In that details oflaboratoryexperiments/programming/modeling/simulations/analysis/fabrication/ construction etc.

Phase 4: Submission of the final Project report:

During the summative assessment students shall demonstrate the outcomes of their capstone project work to the examiners comprising a cohort owner and an eternal subject expert.

The below table shows the different phases and assessment of project works

Table 2.6: Phases in the Execution of Project work

SL.No	Phases in Project work	Date	Activities to be covered
1	Phase-1	4th week (VI semester)	1. Writing the capstone project scope document. 2. Capstone project Planning: ➢ Work Breakdown structure. ➢ Time line schedule ➢ Cost breakdown structure ➢ Risk analysis 3. Identification of methodology (Including Literature review)
2	Phase-2	8th week (VI semester)	Capstone project details: ➢ Description of technology. ➢ Details of hardware devices. ➢ Details of software products. ➢ Programming languages. ➢ Description of the components in the system. ➢ Component diagrams and required design if any. ➢ Construction on fabrication details. ➢ Any other information needed o execute the capstone project.
3.	Phase-3	12th week (VI semester)	1. Testing and validation: Details of laboratory experiments or programming or modeling or simulations or analysis or fabrication or construction etc. 2. Results and Inference.

4.	Phase-4	SEE	During the summative assessment students shall demonstrate the outcomes of their capstone project work to the examiners comprising a cohort owner and an eternal subject expert

CIE Assessment for Phase-1:

Continuous internal evaluation CIE-1 Conducted at the end of 4th week Marks		
Sl no	Assessment of parameters	Marks
1	Writing the capstone project	20
2	Capstone project planning : ➢ Work breakdown structure-10 ➢ Time line sheduke-10 ➢ Cost brwakdown structure-10 ➢ Risk analysis-10	40
3	Identification of methodology (including literature survey)	20
	Total	80

CIE Assessment for Phase-2

Continuous internal evaluation CIE-2 Conducted at the end of 8th week Marks		
Sl No	Assessment of parameters	Marks
1	Capstone project details: ➢ Description of Technology Used ➢ Details of Hardware devices. ➢ Details of software products ➢ Programming languages ➢ Descriptions of the components in the system ➢ Component diagrams and required design if any ➢ Construction or Fabrication details ➢ Any other information needed to execute the capstone project	80
	Total	80

CIE Assessment for Phase-3:

Continuous internal evaluation CIE-3 Conducted at the end of 12th week Marks		
Sl No	Assessment of parameters	Marks
1	**Testing and validation**: Details of laboratory experiments/programming/modelling/simulations/ analysis/fabrication/construction etc.,	50
2	Results and inference	30
Total		80

SEE Assessment for Phase-4:

Sl No	Parameters	Marks
1	Power point presentation on outcomes of the Capstone project work	60
2	Demonstration the Capstone project work	60
3	Capstone project Report -Format and Technical writing skill	40
Total		160

The following key factors are considered for evaluating student's individual and team coordination or harmony during the execution of a project is listed below

Rubrics for individual performance;

Display of skills/capabilities
Ready to shoulder responsibilities
Exhibiting confidence level in the project field
Communication abilities of students during presentations
Individual contribution to the project work

Rubrics for team performance; Coordination and harmony

Involvement in the project work
Preparation of Power point presentation
Preparation of the project work report

E. Quality of deliverable, working prototypes

Total Marks 12
Inst Marks 10

CRITERIA TO DEFINE BEST PROJECTS

Guidelines for selection of Best Projects:

Best Projects;

1. Project work is strictly based on Rubrics adopted in the Department.
2. Project work is based on adhering to basics and fundamentals in the related field.
3. Mapping of Course outcomes of project with Program Outcomes and Program Specific Outcomes is strong.
4. Objective/Aim of the Project addresses current burning issues in the field of Civil Engineering.
5. The evaluation of best project award is made by one external Guest Professor

Table: Rubrics for best and average project:

Sl. No.	Performance Indicator	Max Marks	Best Project	Average Project
1.	Innovativeness and addressing current burning Issues	15	More than 85% of maximum marks	Between 70 - 85% of maximum marks
2.	Literature Survey and Previous studies	10		
3.	Defining the problem and adhering to basics and Fundamentals	25		
4.	Execution, results and, attainment of project objectives and PO's & PSO's	35		
5.	Individual performance	15		
	Total	100		

Table: Rubrics for the projects followed in the Department

PROJECT RUBRIC						
CRITERIA						
	4	3	2	1	Marks	
					PC	EX
Elements &Principles of Design	Planned carefully, made sketches, and showed an advanced awarenes of the elements and principles of design. Student went above an beyond expectations	The artwork shows that the student applied the principles of design while using one or more elements effectively. Student met expectations.	The student did the assignment adequately, yet shows the lack of planning and little evidence that an overall composition was planned	The assignment turned in but showed little evidence of any understanding of the elements and principles of art; No evidence of planning. Student did th minimum of work required.	4	3
Scope	Deliverables, Task & activities, Exclusions ,Constrains, Technology adapted	Deliverables, Constrains, Technology adapte	Deliverables, Task & activities, Exclusions Technology adapted	Deliverables, Task & activities	3	3
Time & Management	Class time was used wisely. Much time went into the planning and design of the artwork. Student was self motivated the whole time seeking assistanc as needed.	Class time was used wisely. Sometime went into the planning and desig of the artwork. The student needed some refocusing bu managed well.	Class time was not fully utilized. Littl time went into the planning and design of the artwork. The student was sometimes distracted or off task	Class time was not used wisely. Little went into the art work. Student s often off task and not focused on the project.	3	2
Execution, Originality,& Uniqueness	The artwork was successfully executed from concept to completion, with a nove and original approach.	The artwork was executed from concept to completion. Unique and originals with some evidence and samples.	The artwork was partially successfully executed, with a few unique aspects.	The artwork was begun, but never fully completed. What work was done was highly derivative of the sample or other student's work	4	3
Requirements	All requirements are me and exceeded.	All requirements are met.	One requirement was not met completely.	More than one requirement was not met.	2	3
					16	14
					15	

F.Papers published /Awards/ Recognition received by projects at State/ National level

Total Marks 5.00
Inst Marks 0.00

Industry Interaction and Industry Internship/Training

Total Marks 30.00
Inst Marks 25.00

A.Industry supported Labs

Total Marks 2.00
Inst Marks 2.00

The students are encouraged to take internship program during their semester break. Faculty members give their guidelines, suggestions and scope and contact details of an internship. They alsohelp the students by interacting with the industrial experts, provide the students recommendation letters and other necessary supports. The alumni who are working in the industries and request them to provide necessary guidelines and supports for their junior's internship

B.Delivery of appropriate Course work by Industry experts

Total Marks 5.00
Inst Marks 5.00

Academic Year 2023-24

sl no	Gap	Action taken	Date/Month /Year	Resource Person with Designation	mode	No of students present
1	PO2,PO3,PO5,PO6 PO7	Green Building	07-09-2023	H M Prashant (Revulutionaryinfrastructure)	ppt	42

Academic Year 2022-23

Sl. No	Date	Topic	Guest details	No of students present
1	28-10-2022	Types of roads and alternative materials	Basavraj (JE, ZP) Division	28
2	24-03-2023	Tender process and PWD accounts	Vinayaka M N (AEE,Zp) Division	17

Academic Year 2021-22

Sl. No	Date	Topic	Guest details	No of students present
1	08/06/2022	Water proofing and treatment for slabs	H M Prashant (Revulution infrastructure)	46

C.Industrial visits/tours for students

Total Marks 3.00
Inst Marks 2.00

Initiatives

Industrial visit is a part of the engineering curriculum, during which students visit the engineering organizations and get in to the operation process, various technologies used in real time production, challenges in practicing engineering principles and also get the practical aspects of the course. With an aim to go beyond academics, these visits are arranged to attain practical knowledge .Developing contacts, collecting the addresses of the Industries planned for the Industrial Visit

Prepare and send the letters approved by the Head of the Department requesting the Industry concerned to grant permission mentioning the date / time and number of students accompanied by the staff from the department concerned.

D. Industrial training/ internship

Total Marks 5.00
Inst Marks 4.00

Internship

The students are encouraged to take industrial training along with capstone project during Sixth semester during their semester Faculty members give their guidelines, suggestions and scope and contact details of an internship. They also help the students by interacting with the industrial experts, provide the students recommendation letters and other necessary supports.
The alumni who are working in the industries are requested to provide necessary guidelines and supports for their juniors internship.

Inplant Training:

Students are motivated to undergo Industrial Trainings during sixth semester for gaining better industrial exposure

E.Post training/ internship Assessment

Total Marks 10.00
Inst Marks 8.00

Post training assessment is done in following manner:

Students are asked to submit the inplant training report to the concerned course faculty.
The students are required to present the knowledge gained through the training in the form of PPTs.
The concerned course teacher then award marks on the basis of attendance, presentation, skill acquired, and knowledge gained

F.Contribution to Community related projects/activities

Total Marks 5.00
Inst Marks 4.00

Sl. No	Project Title	Project Description
1	Rain water harvesting	Rain water harvesting improves ground water table and also stores the surplus water in rainy season and to be utilized in summer season as well as for gardening and lawn.
2	Solid waste management	Solid waste management helps the community people to deliver the knowledge about sorting of dry garbage and wet garbage which is used for to manufacture of compost and to fill the low level ground.
3	An experiment investigation on strength & properties of concrete replacing sand by M sand.	Which gives the knowledge to the people regarding use of M sand and its knowledge about properties and also eco friendly with nature.

Information Access Facilities and Student Centric Learning Initiatives

Total Marks 15.00
Inst Marks 13.00

Availability of facilities & Effective Utilization; ***specify the facilities, materials and scope for self-learning, Webinars, NPTEL Podcast, MOOCs etc***

Total Marks 10.00
Inst Marks 9.00

Department Library:

The department has books on all the subjects related to the curriculum and also some books which will help them to gain extra knowledge. These books are issued to the students.

Videos:

Multimedia has many kinds of data such as text, audio, images, animation, video and interactive content. These make the learning complementary with the existing tools.

Wi-Fi campus:

The entire campus is Wi-Fi enabled with high speed internet connection to allow the students to access the internet.

CDS/DVDS:

CD/DVDs contain large amount of data in the form of video, documents and audio. Students can take back up from computer and store it in DVD.

Question Bank: The department has Question bank to the curriculum will help to gain extra knowledge

B.Student Centric Learning Initiatives & Effective Implementation **Total Marks 5.00**
Inst Marks 4.00

Following ways are incorporated in order to ensure the establishment of student centric system.

Sl.no	Activity	Skill developed
1	Summer/Winterinplant training	Expand the knowledge and understanding of the fields; Contact the network professionals and administrators in the fields; and Gain hands on training and Professional experience
2	Industry visits	Industry visit is a part of the Education, during which Students visit companies and get insight into the internal working environment of the company
3	Projects and Field visit	✓ Understand their subject better. ✓ Get practical experience. ✓ Have a chance to showcase their skills. ✓ Learn team work, communication skills and responsibilities.
4	Guest Lectures, Seminar & Workshops	As part of academic development, associations of all the departments arrange guest lectures and seminars throughout the year on topics of core subjects, Career oriented lectures, recent technologies and research areas periodically.

Student being soul of the system and objective being outcome based education system every student is treated as special one. A well-defined Mentoring system is implemented in the department to identify and understand the students problem Parent-teacher meetings are arranged every semester. Appreciation /awards are given to the students having excellent academic or extracurricular /co-curricular achievements

New Initiatives for embedding Professional Skills

Total Marks 15.00
Inst Marks 14.00

A Employability skill enhancement Initiatives and effective implementation

Total Marks 8.00
Inst Marks 7.00

Entrepreneurship Development Cell is present in our institute under which one or two programs are conducted every year for students of all programmes this helps students to enhance the Entrepreneurship skills.

Following initiatives are taken to embed professional skills in students.
A one day workshop on Entrepreneurship Development programme was organized for final year DCE Students on 26-7-2022. The program was organized by Entrepreneurship Development Cell . The workshop was delivered by Mr B Somashekar which would help the students to take up self-employment after completing their education.

In the Academic Year 2021-22

Sl.No	Topic	Resource Person	No of Stu present
1	Entrepreneurship Development Programme	B Someshekhar, Joint director D/C Industrial and cammorar dept Vijaynagar.	36

In the Academic Year 2020-21

Sl.No	Topic	Resource Person	No of Stu present
1	Entrepreneurship Development Programme	Vonod kumar, CEDOK Tresury OfficerBellary, Vijaynagar	40

B.Personality development related Initiatives & effective implementation

Total Marks 7.00
Inst Marks 7.00

Personality development programee are conducted for students in order to focus the important attributes for the soft skills delopment

Sl.No	Date	Topic	Resource Person	Attributes covered
1	10-11-2022	Time management	Channaveeresh H, Lecturer	1. Why time is necessary 2. Where we waste the time 3. How to manage time
2	24-01-2022	Leadership Qualities	Channaveeresh H. Lecturer	1. Who is leader 2. Why leadership quality isneeded 3. What are the qualities of leader

Co-curricular & Extra Curricular Activities

Total Marks 10.00
Inst Marks 9.00

Blood donation camps are organized by NSS unit of the institution.
Planting trees programs are conducted every year on World Environment day. Yoga training programs are conducted every year. Participation of students in technical quiz conducted by BITM engg college bellary. Anti tobacco day cycle rally participation by students along with principal sir.
Swachha Bharat Abhiyan done by the students along with NSS officers

Participation of students in Quiz Compitation at BITM Engg College Bellary.

SWACHHA BHARAT ABHIYANA

CRITERIA – 3

COURSE OUTCOMES AND PROGRAM OUTCOMES

3. COURSE OUTCOMES AND PROGRAM OUTCOMES

Total Marks 100.00
Inst Marks 88.00

Program Specific Outcomes

PSO1	Diploma graduates have an ability to plan, analysis, design, execution, lab testing for materials and to maintain cost effective structures with less usage of natural resources.
PSO2	Graduates of civil engineering programme have the ability to take up unemployment, entrepreneurship like consulting civil engineer, contractor, bank valuer, surveying and cadd design, research and development for sustainable civil society.
PSO3	Graduates of civil engineering programme can peruse professional growth, higher studies, and leadership qualities, demonstrate professional integrity, ethics, issues related to civil engineering projects and engage in lifelong learning.

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

Total Marks 20.00
Inst Marks 18.00

3.1.1 Course Outcomes (SAR should include course outcomes of one course from each semester of study, however, should be prepared for all courses)

Inst Marks 5.00

Course Name :	**C101**	**Course Year :**	**2020-21**

course	Statements
C101.1	Identify relevant natural construction materials.
C101.2	Select relevant artificial construction materials
C101.3	Identify and use of processed construction materials.
C101.4	Select relevant special type of construction materials.

Course Name :	**C109**	**Course Year :**	**2020-21**

course	Statements
C109.1	Perform conversion of measuring units.
C109.2	Identify different surveying instruments, tools and their applications.
C109.3	Handle survey instruments, taking measurements, computation and interpretation.
C109.4	Carryout different types of chain, tape, compass, levelling surveying tasks.
C109.5	Identify errors and apply corrections suitably.

Course Name :	**C201**	**Course Year :**	**2021-22**

course	Statements
C201.1	Explain the potential impact of forces / stresses on structural elements / materials in a given condition
C201.2	Calculate the moment of Inertia for a given symmetrical or asymmetrical geometric sections.
C201.3	Calculate shear force and bending moments for different loading conditions and support conditions, draw the SFD & BMD and validate the analysis using Ansys software.
C201.4	Calculate bending and shear stresses in beams under different load conditions and validate the analysis using Ansys software.
C201.5	Calculate and validate the safety of a column for various given loads and end conditions.

Course Name :	**C205**	**Course Year :**	**2021-22**

course	Statements
C205.1	Identify the ingredients of concrete, test the properties and study the behaviour of concrete ingredients to ensure it can be used for the given construction activity
C205.2	Design concrete mix proportions for required compressive strength and perform appropriate concrete operation procedures under a given exposure condition.
C205.3	Identify the types of admixtures based on its properties, behaviour and determine the type of admixtures to be used in concrete for a given construction activity.
C205.4	Differentiate between special concrete and conventional concrete with regards to composition, its applications and sustainability along with advantages and disadvantages of both.

Course Name :	C301	Course Year :	2022-23

course	Statements
301.1	Interpret Built Environment and evaluate the need for efficient built environment to achieve Sustainable Development.
301.2	Asses the quality of water, waste water, solid waste as per BIS, WHO and interpret their relation to public health.
301.3	Analyze, design and optimize the components of Water Supply system, Waste water and Solid waste Management system.
301.4	Work with appropriate tools, software's and technology for the design, operation, maintenance and management of built Environment.

Course Name :	C302	Course Year :	2022-23

course	Statements
302.1	Write Capstone project scop documents.
302.2	Prepare a Capstone project execution plan.
302.3	Manage the Capstone project from start to finish meeting started milestone and timelines.
302.4	Test and validate the findings.
302.5	Demonstrate interpersonal skills, teamwork and effective use of appropriate technology required for the capstone project.

3.1.2 CO-PO Matrices of courses selected in 3.1.1 (Six matrices to be mentioned : one per semester from 1st to 6th semester)
Course name: C101

Inst Marks 5.00

course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
101.1	3			3			3
101.2	3			3			3
101.3	3			3			3
101.4	3			3			3
AVERAGE	3			3			3

Course name: C109

course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
109.1	3						1
109.2	3	3	3	3			
109.3	3	3	3	3			
109.4	3	3	3	3			
109.5	3	3	3	3			
AVERAGE	3	3	3	3			1

Course name: C201

course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
201.1	3	3					
201.2	3	3	3				
201.3	3	3	3				
201.4	3	3	3				
201.5	3	3	3				
AVERAGE	3	3	3				

Course name: C205

course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
205.1	3			3			
205.2	3			3			
205.3	3			3	2		
205.4	3			3	2		
AVERAGE	3	3	3	3	2		

Course name: C301

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
301.1	3	3	3	3	3		3
301.2		3	3	3			
301.3	3	3	3	3	3		3
301.4		3	3	3	3		3
AVERAGE	1.5	3	3	3	2.25		2.25

Course name: C302

course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
302.1	3	3	3	3	3	3	3
302.2	3	3	3	3	3	3	3
302.3	3	3	3	3	3	3	3
302.4	3	3	3	3	3	3	3
302.5	3	3	3	3	3	3	3
AVERAGE	3	3	3	3	3	3	3

Course name: C101

Course	PSO1	PSO2	PSO3
101.1	3	3	3
101.2	3	3	3
101.3	3	3	3
101.4	3	3	3
AVERAGE	3	3	3

Course name: C109

Course	PSO1	PSO2	PSO3
109.1	3	3	3
109.2	3	3	3
109.3	3	3	3
109.4	3	3	3
109.5	3	3	3
AVERAGE	3	3	3

Course name: C201

course	PSO1	PSO2	PSO3
201.1	3	3	3
201.2	3	3	3
201.3	3	3	3
201.4	3	3	3
201.5	3	3	3
AVERAGE	3	3	3

Course name: C205

course	PSO1	PSO2	PSO3
205.1	2		3
205.2	2		3
205.3			3
205.4	2		3
AVERAGE	1.5		3

Course name: C301

Course	PSO1	PSO2	PSO3
301.1	3	3	3
301.2	3		3
301.3	3		3
301.4	3	3	3
AVERAGE	3	3	3

Course name: C302

course	PSO1	PSO2	PSO3
302.1	3	3	3
302.2	3	3	3
302.3	3	3	3
302.4	3	3	3
302.5	3	3	3
AVERAGE	3	3	3

3.1.3 A Program level course –PO matrix of all courses INCLUDING first Year courses. **Inst Marks 8.00**

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
MOC	**3**			**3**			**3**
CUM SKILLS						**3**	**3**
ST ANALYSIS	**3**	**3**		**3**	**3**		**3**
IT SKILLS	**3**			**3**			**3**
ENGG MATHS	**3**		**3**				**3**
PMS	**3**	**3**	**3**	**1**	3	**1**	**3**
CEG	**3**	**3**		**3**			
BASIC SURV	**3**	**3**	**3**	**3**			**1**
FEEE	**3**			**3**			
ENG MECH SOM	**3**	**3**	**3**				
MODETN SURV	**3**	**3**		**3**			**3**
CONSTR TECHN	**3**	**3**	**3**	**3**	**3**		**3**
BULD DRW CADD	**3**			**3**	**1**		**3**
CONCRT TECHN	3			3	2		
BULD EST & VAL	**3**	**3**		**3**			**3**
SITE MANAGEMENT	**3**	**3**	**3**	**1**	**1**	**1**	**3**
DISG & DET OF RCC	**1**	**3**	**3**	**1**			
BUILT ENVIRONMENT	**3**	**3**	**3**	**3**	**3**		**3**
INPLANT TR/PROJECT	**3**	**3**	**3**	**3**	**3**	**3**	**3**

3.1.3 B Program level course-PSO matrics of all courses INCLUDING first year courses

Course	PSO1	PSO2	PSO3
MOC	3	3	3
CUM SKILLS			3
ST ANALYSIS	3		3
IT SKILLS	3		3
ENGG MATHS	3		3
PMS	3	3	3
CEG	3	2	3
BASIC SURV	3	3	3
FEEE	2		3
ENG MECH SOM	3	3	3
MODETN SURV	3	3	3
CONSTR TECHN	3	1	3
BULD DRW CADD	3	3	3
CONCRT TECHN	2		3
BULD EST & VAL		3	3
SITE MANAGEMENT	3	3	3
DISG & DET OF RCC	3	3	3
BUILT ENVIRONMENT	3	3	3
INPLANT TR/PROJECT	3	3	3

3.2.1 Attainment of Course Outcomes (40) **Total Marks 40.00**
Inst Marks 36.00

3.2.2 Describe the assessment processes used to gather the data upon which the evaluation of Course Outcome Inst Marks is based (10) **Inst Marks 9.00**

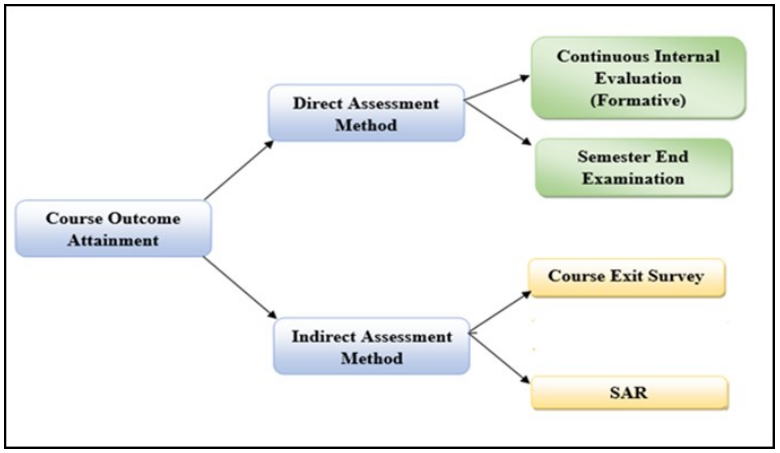
Assessment processes:-

In the Outcome Based Education (OBE) system, assessment is made through more than one processes, to identify and collect data to evaluate level of attainment of the course tools used are:

- Direct Method
- Indirect Method

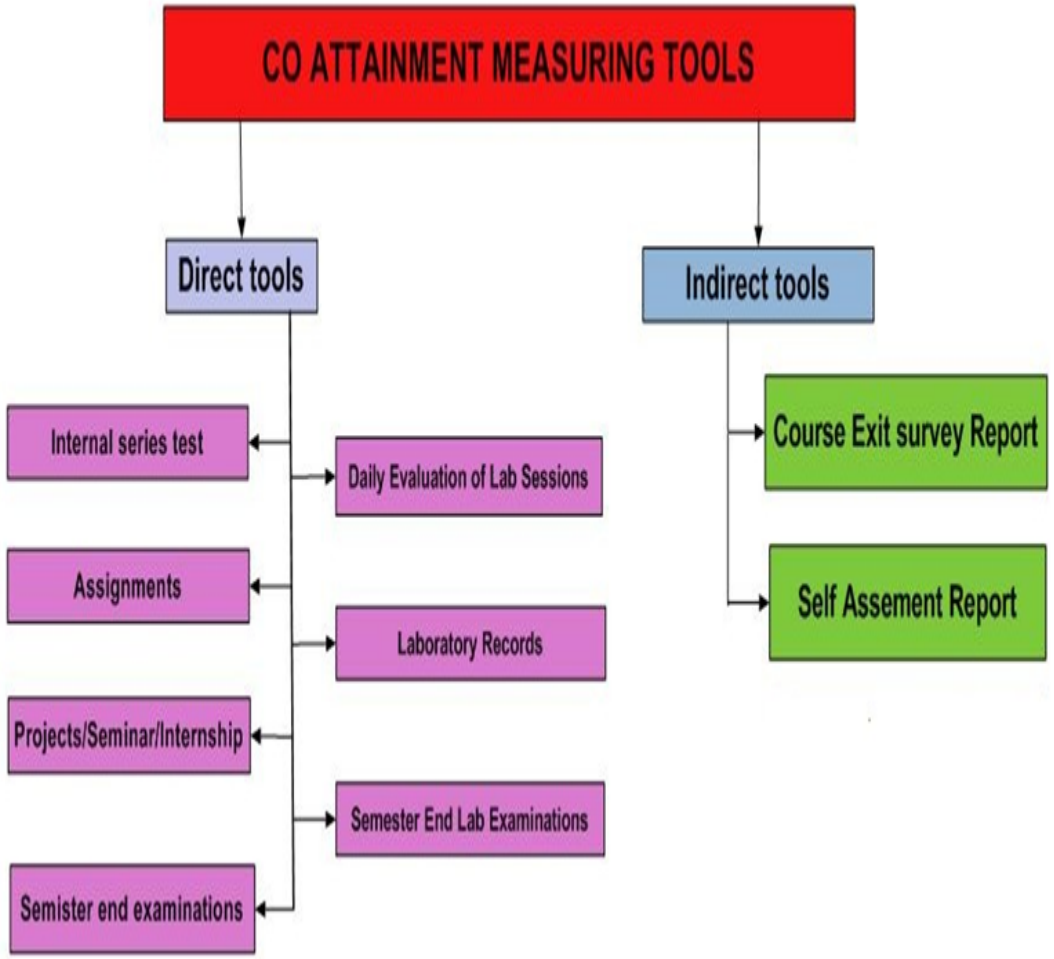
Direct methods display the student's knowledge and skills from their performance in the continuous internal assessment tests, class rooms, laboratory assignments, seminars and semester end examinations. These methods provide information about students' knowledge and provide evidence of student learning performance.

Indirect methods adopted to assess PO or course exit survey and self-assessment report that reflect on students' learning. The different stake holders give opinion or thoughts to assess about the graduate's knowledge or skills.



1.	Internal Assessment Test	It is a measure to continuously assess the attainment of course outcomes, student's learning domains and thus improve the teaching –learning process. The Internal Assessment marks in a theory paper shall be based on any two tests out of three, generally conducted at the end of 6th, 10th and 15th week of each semester. An additional test may be conducted for the students who desirous before the end of the semester. Average marks are awarded based on the scheme.
2.	Lab Assessment Test	Lab Assessment is a metric to mainly assess student's practical knowledge with their designing capabilities .In the case of a Practical, the IA marks shall be based on the laboratory journals/reports, conduction of experiments and one practical test.
3.	Theory Semester Examination	Semester theory examinations are the metric to assess whether all the course outcomes are attained w.r.t course objectives framed by the instructor. Semester Examination is more focused on attainment of course outcomes and uses a descriptive exam.
4.	Practical Semester Examination	Practical semester examination focuses on conduction of experiments and viva-voce.
5.	Project.	The IA marks in the case of seminars, projects and Internship work in the final year shall be based on the evaluation at the end of 6th semester by a committee consisting of the Head of the concerned Department and two senior faculty members of the Department, one of whom shall be the project / seminar guide.
6.	Project/ Viva-voce	Viva-voce examination in project work shall be conducted batch-wise at the end of 6^{th} semester.
7.	Assignment	Assignment is a metric to mainly assess student's knowledge/skills/attitude with their designing capabilities.
Indirect Assessment Methods		
8.	Course Exit Survey	Collect information from the students to assess the learning outcomes of the course at the end of the semester.
9.	Self Assessment Report	Collect information from the students for self assessing themselves about the course after completion of course.

Flow chart: Assessment Process for CO Attainment



Sl. No.	Assessment Method	Assessment frequency	Assessment Tool	In charge	Reviewer
1	Internal Assessment Test (CIE-Theory)	After 3rd, 7th, 11th Week	Performance in tests (IA Books)	Course coordinator	HOD
2	Internal Assessment Test (CIE-Practical)	After 5th, 9th, 13th Week	Performance in tests (IA Books)	Course coordinator	HOD
3	Semester End Exam (SEE) (Practical)	At the end of the semester	Performance in SEE (Answer Sheets)	External & Internal Examiners appointed by BTE, Bengaluru	
4	Semester End Exam (SEE) (Theory)	At the end of the semester	Performance in SEE (Answer Sheets)	Valuer & Reviewer appointed by BTE, Bengaluru	
5	Project/Internship (CIE)	During 6th Semester	Rubrics	Guide/ Cohort Owner	HOD
6	SEE on Project/Internship and Viva	At the end of 6th Semester	Students performance in SEE	External & Internal Examiners appointed by BTE, Bengaluru	
7	Assignments	After each CIE Test	Assignment Books/Sheets	Course coordinator	HOD
8	Course Exit Survey	End of semester	Student Survey	Course coordinator	HOD
9	Self Assessment Report	End of semester	Student Survey	Course coordinator	HOD

Record the attainment of Course Outcome of all courses with respect to set attainment levels (30) **Inst Marks 27.00**

3.2.2 Course Outcomes Assessment described in the table below.

Sl. No	Assessment method	Assessment Frequency	Assessment Tool	In Charge	Revier
1.	Internal assessment method(CIE)	5th,9th, and 13th week of each semester	Students performance in CIE assessment booklets	Course owner	PAC PC/HOD
2.	Skill Test Assessment	6th and 12th week of Each semester	Students performance in conducting experiments writing	Course owner	PAC PC/HOD
3.	Theory/semester examinations	At the end of semester	Students performance in department technical examinations	Deoartement of technical examinations appointed faculty members.	
4.	Practical semester examinations	At the end examinations	Students performance in conducting experiments during department of technical examinations	Departement of technical examinations appointed faculty members.	
5.	Project(Internship /project)	During 6th semester	Rubrics	Company	PAC PC/HOD
6.	Proect / Viva voce	At the end of 6th semester	Students performance in department technical examinations	Departement of technical examinations appointed faculty members.	
7.	Assignments	Before and after conduction of classes	Students performance in assignment in booklets	Course Owner	PAC PC/HOD
8.	Course Exit survey	Semester end	Student Survey	Course Owner	PAC PC/HOD
9.	Self Assessment Report	Semester end	Student Survey	Course Owner	PAC PC/HOD

3.2.2 Record the attainment of course outcomes of all courses with respect to set attainment levels
The description of the attainment levels is as explained below. Measuring CO attainment through assessments.

Attainment level VS Target

Attainment Level 1: 60% students scoring more than 60% marks out of the relevant maximum marks.

Attainment level 2: 70% students scoring more than 60% marks out of the relevant maximum marks.

Attainment Level 3; 80% students scoring more than 60% marks out of the relevant maximum marks.

Measuring CO attainmenet through semester end examinations.

Attainment Level 1: 60% students scoring more than 45% marks out of the relevant maximum marks.

Attainment level 2: 70% students scoring more than 45% marks out of the relevant maximum marks.

Attainment Level 3; 80% students scoring more than 45% marks out of the relevant maximum marks.

CO Attainment has been calculated by assuming 60% weight age to DTE Bangalore and 40% weight age to internal assessment.

Final CO Attainment has been calculated by assuming 80% weight age to direct attainment and 20% weightage to Indirect attainment.

Sl.no	Sem	Course	Course code	CO1	CO2	CO3	CO4	CO5	CO6
1	I	MOC	C101	38.11	38.76	42.79	38.89		
2		CUM SKILLS	C102	96.1	96.55	95.07	95.07		
3		ST ANALYSIS	C103	96.95	95.66	95.66	97.35		
4		IT SKILLS	C104	74.07	74.74	74.74	73.57	7.57	
5	II	ENGG MATHS	C106	79.69	84.22	84.6	84.22	84.6	
6		PMS	C107	47.12	41.68	58.56	44.8	59.25	54.85
7		CEG	C108	79.24	83.9	83.73	83.73	90.6	
8		BASIC SURV	C109	65.06	75.07	80.15	80.5	80.85	
9		FEEE	C110	82.23	89.71	81.3	87.84	86.99	
10	III	ENG MECH SOM	C111	82.21	91.69	85.71	93.45	93.45	
11		MODETN SURV	C112	66.1	71.89	72.35	77.3		
12		CONSTR TECHN	C201	84.85	89.81	98.37	88.36		
13		BULD DRW CADD	C202	71.17	77.56	80.78	82.99		
14	IV	CONCRT TECHN	C203	60.41	66.41	73.92	70.1		
15		BULD EST & VAL	C204	84.6	85.9	91.48	95.84		
16		SITE MANAGEMENT	C205	87.35	87.81	96.63	89.16		
17		DISG & DET OF RCC	C206	65.65	68.2	84.4	82.21	69.58	
18	V	BUILT ENVIRONMENT	C301	87.76	86.53	94.23	93.5		
19	VI	INTERNSHIP/PROECT	C302	92.5	92.5	92.5	92.5	92.5	

Attainment of Program Outcomes and Program Specific Outcomes (40) Total Marks 34.00

Describe assessment tools and processes used for assesing the attainment of each POs and PSOs as mentioned in Annexure 1 (10) Inst Marks 8.00

3.3.1 Describe Assessment tools and process used for assessing the Attainment of each PO and PSOs

PSO Assessment Tools

Assessment tools are categorized into Direct and Indirect methods to assess the programme educational objectives program outcomes and course outcomes.

Direct methods displays the students knowledge and skills from their performance in the continuous assessment tests, semester end examinations presentations and classroom assessment etc. these methods provide evidence of student learning performance.

Indirect methods : A Course Exit survey is conducted for each students regarding subject wise.

3.3.1 PO Direct Assessment Methods.

PO Direct Assessment Methods		
Sl.No	**Assessment Method**	**Description**
1.	Internal Assessment Test	It is a metric to continuously assess the attainment of course outcomes, student's learning domains and thus improve the teaching –learning process. The Internal Assessment marks in a theory paper shall be conducted at the end of 6th , 10th and 15th weeks of each semester. An additional test may be conducted for the desirous students before the end of the semester to give an opportunity to such students to improve their Internal Assessment Marks. Average of the better marks obtained from the Internal Assessment Marks for the relevant subject.
		Lab Assessment is a metric to mainly assess

2.	Lab Assessment Test	student's practical knowledge with their designing capabilities .In the case of a Practical, the IA marks shall be based on the conduction of experiments andone practical test.
3.	Semester En dExamination	Semester theory examinations are the metric to assess whether all the course outcomes are attained w.r.t course objectives framed by the instructor. Semester Examination is more focused on attainment of course outcomes and uses a descriptive exam. Practical semester examination focuses on conductionof experiments and vice- voice.
4.	Seminar/Project/ Internship	The IA marks in the case of mini projects, projects and seminars in the final year shall be based on the evaluation at the end of 6th semester by a committee consisting of the Head of the concerned Department and two senior faculty members of the Department, one of whom shall be the project / seminar guide.
5.	Project/Internship WorkViva-voce	Viva-voce examination in project work shall beconducted batch-wise.
6.	Assignment	Assignment is a metric to mainly assess student's Knowledge/skills/atti wit their designing tude capabilities. h

3.3.1 Provide results of evaluation of each PO & PSO (30)
3.3.2 Provide results of evaluation of each PO and PSO (30) **Total Marks 30.00**
PO Attainment **Inst Marks 26.00**

Sl no	Sem	Course	Course Index	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PSO1	PSO2	PSO3
1	I	MOC	C101	1.19			1.19			1.19		1.19	1.19
2		CUM SKILLS	C102						2.88	2.87			2.87
3		ST ANALYSIS	C103	2.89	2.89		2.89	2.89		2.89	2.89		2.88
4		IT SKILLS	C104	2.22			2.22			2.22	2.22		2.23
5	II	ENGG MATHS	C106	2.5		2.53				2.5	2.49		1.6
6		PMS	C107	1.6	1.55	1.5	0.58	1.61	0.58	1.6	1.47	1.6	1.6
7		CEG	C108	2.59		2.59		2.59			2.64	1.8	2.59
8		BASIC SURV	C109	2.35	2.37	2.37	2.37			0.75	2.35	2.35	2.33
9		FEEE	C110	2.66			2.66				1.78		2.67
10	III	ENG MECH SOM	C111	2.68	2.68	2.73					2.68	2.68	2.68
11		MODETN SURV	C112	2.16	2.16		2.16			2.16	2.16	2.16	2.16
12		CONSTR TECHN	C201	2.73	2.78	2.94	2.75	2.94		2.97	2.78	0.98	2.79
13		BULD DRW CADD	C202	2.4		2.4		0.79		2.4	2.4	2.4	2.45
14	IV	CONCRT TECHN	C203	2.25			2.25	1.62			1.46		2.39
15		BULD EST & VAL	C204	2.68	2.68		2.68			2.68		2.68	2.68
16		SITE MANAGEMENT	C205	2.72	2.74	2.65	2.67	2.67	2.67	2.74	2.71	2.71	2.71
17		DISG & DET OF RCC	C206	0.79	2.35	2.38	0.84				2.35	2.5	2.39
18	V	BUILT ENVIRONMENT	C301	2.73	2.72	2.72	2.72	2.75		2.75	2.72	2.72	2.72
19	VI	INTERNSHIP/PROJECT	C302	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78	2.78

PO Attainment Level

Course	PO1	PO2	PO3	PO4	PO5	PO6	PO7
Direct Attainment	2.329	2.518	2.508	2.197	2.064	2.228	2.321
Indirect Attainment	2.697	2.825	2.783	2.548	2.531	2.338	2.678
PO Attainment	2.513	2.671	2.645	2.372	2.297	2.283	2.499

PSO Attainment

Sl no	Sem	Course	Course Index	PSO1	PSO2	PSO3
1	I	MOC	C101		1.19	1.19
2		CUM SKILLS	C102			2.87
3		ST ANALYSIS	C103	2.89		2.88
4		IT SKILLS	C104	2.22		2.23
5	II	ENGG MATHS	C106	2.49		1.6
6		PMS	C107	1.47	1.6	1.6
7		CEG	C108	2.64	1.8	2.59
8		BASIC SURV	C109	2.35	2.35	2.33
9		FEEE	C110	1.78		2.67
10	III	ENG MECH SOM	C111	2.68	2.68	2.68
11		MODETN SURV	C112	2.16	2.16	2.16
12		CONSTR TECHN	C201	2.78	0.98	2.79
13		BULD DRW CADD	C202	2.4	2.4	2.45
14	IV	CONCRT TECHN	C203	1.46		2.39
15		BULD EST & VAL	C204		2.68	2.68
16		SITE MANAGEMENT	C205	2.71	2.71	2.71
17		DISG & DET OF RCC	C206	2.35	2.5	2.39
18	V	BUILT ENVIRONMENT	C301	2.72	2.72	2.72
19	VI	INTERNSHIP/PROJECT	C302	2.78	2.78	2.78

PSO Attainment level

Course	PSO1	PSO2	PSO3
Direct Attainment	**2.368**	**2.196**	**2.406**
Indirect Attainment	**2.702**	**2.591**	**2.863**
PO Attainment	**2.535**	**2.393**	**2.634**

CRITERIA – 4

STUDENTS PERFORMANCE

Intake Information:

Item	2023-24(CAY)	2022-23(CAYm1)	2021-22(CAYm2)	2020-21(CAYm3)	2019-20(CAYm4)	2018-19(CAYm5)
Sanctioned Intake strength of the program(N)	60	60	60	60	60	60
Total number of students admitted through state level counseling (N1)	62	59	46	63	58	59
Total number of students admitted through institution level quota (N2)	0	0	0	0	0	0
Number of students admitted through lateral entry (N3)	2	0	1	1	0	2
Total number of students admitted in the Programme (N1+N2+N3)	64	59	47	64	58	61

Table 4.1

Table 4.2

Year of Entry	Total No of Students admitted in the program (N1+N2+N3)	**Number of students who have successfully passed without backlogs in any year of study**		
		1 year	2year	3 year
2023-24(CAY)	64			
2022-23(CAYm1)	59	8		
2021-22(CAYm2))	47	5	5	
2020-21(LYGm1)	64	26	22	17
2019-20(LYGm2)	58	14	12	11
2018-19LYGm3)	61	13	10	7

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 + without Backlog)**		
		1 year	2year	3 year
2023-24(CAY)	64			
2022-23(CAYm1)	59	59		
2021-22(CAYm2)	47	43	25	
2020-21(LYG)	64	60	50	35
2019-20(LYGm1)	58	45	37	20
2018-19LYGm2)	61	48	36	21

4.1 Enrolment Ratio (20)

Total Marks 20.00

Inst Marks 20.00

	N (From Table 4.1)	**N1+N2 (From Table 4.1)**	**Enrollment ratio [(N1 + N2) / N) x 100]**
2023-24	60	62	100
2022-23	60	59	98.33
2021-22	60	46	76.66

Average of [(ER1 + ER2 + ER3) / 3] = [(100 + 98.33 + 76.66) / 3] = 91.66

4.2 Success Rate in the stipulated period of the program (60)

Total Marks 21.00

Inst Marks 8.80

4.2.1 Success rate without backlogs in any year of study (40)

Item	**Last Year Graduation (2020-21)**	**Last Year Graduation minus 1(2019-20)**	**Last Year Graduation minus 2 (2018-19)**
Total Number of students(X) (Admitted through state level counseling + admitted through institute level quota + admitted through Lateral entry) (N1 + N2 + N3)	**64**	**58**	**61**
Number of students who have graduated without backlogs in the stipulated period (Y)	**17**	**11**	**07**
Success Index [SI = Y / X]	**0.265**	**0.189**	**0.114**

Average SI [(S1 + S2 + S3) / 3] = 0.189
Assessment [40 * Average SI] = 7.57

4.2 4.2.2 Success rate in stipulated period (20)

Total Marks 20.00

Inst Marks 12.20

Item	Last Year Graduation (2020-21)	Last Year Graduation minus 1(2019-20)	Last Year Graduation minus 2 (2018-19)
Total Number of students(X) (Admitted through state level counseling + admitted through institute level quota + admitted through Lateral entry) (N1 + N2 + N3)	**64**	**58**	**61**
Number of students who have passed in the stipulated period (Y)	**35**	**20**	**21**
Success Index [SI = Y / X]	**0.546**	**0.344**	**0.344**

Average SI [(S1 + S2 + S3) / 3] = 0.411
Assessment [40 * Average SI] = 16.45

4.3 Academic Performance in First Year (25)

Total Marks- 11.28

Inst Marks- 11.28

Academic Performance	2022-23(CAYm1)	2021-22(CAYm1)	2020-21(CAYm2)
Mean of CGPA or mean of all successful students(X)	**7.904**	**8.358**	**7.748**
Number of successful students(Y)	**09**	**10**	**37**
Number of students appeared in the examination(Z)	**46**	**37**	**59**
API	**1.546**	**2.258**	**4.858**

Average AP1 [(AP1+AP2+AP3)/3]: [(1.546+1.416+4.858)/3]: 2.887

Assessment [2.5 x Average AP1]: [2.5 x 2.606]: 7.218

4.4 Academic Performance in Second Year (20)

Total Marks 10.57

Inst Marks 10.57

Academic Performance	2021-22(CAYm1)	2020-21(CAYm2)	2019-20(LYGm1)
Mean of CGPA or mean of all successful students(X)	**8.099**	**8.032**	**7.578**
Number of successful students(Y)	**15**	**35**	**19**
Number of students appeared in the examination(Z)	**24**	**50**	**38**
API	**5.061**	**5.622**	**3.789**

Average AP1 [(AP1+AP2+AP3)/3]: [(5.061+5.622+3.789)/3]: 4.824
Assessment [2.5 x Average AP1]: [2.5 x 4.791] : 12.06

4.5 Academic Performance in Final Year (15)

Total Marks 10.10

Inst Marks 10.10

Academic Performance	2020-21(CAYm2)	2019-20(LYGm1)	2018-19(LYGm2)
Mean of CGPA or mean of all successful students(X)	**8.196**	**8.184**	**7.733**
Number of successful students(Y)	**35**	**20**	**21**
Number of students appeared in the examination(Z)	**48**	**34**	**37**
API	**5.976**	**4.814**	**4.389**

Average AP1 [(AP1+AP2+AP3)/3]: [(5.976+4.814+4.389)/3]: 5.059
Assessment [2.5 x Average AP1]: [2.5 x 4.982]: 12.649

4.4 Placement and Higher Studies (40)

Total Marks 17.60

Inst Marks 17.60

Item	Latest Year of Graduation 2020-21(LYG)	Latest Year Graduation 2019-20(LYGm1)	Latest Year Graduation 2018-19(LYGm2)
Total No of Final Year Students(N)	**35**	**20**	**21**
No of students placed in the companies or government sector(X)	**03**	**02**	**02**
No of students admitted to higher studies (Y)	**23**	**12**	**15**
No. of students turned entrepreneur in the respective field of engineering/technology (Z)	**0**	**0**	**0**
Placement Index [((1.25 * X) + Y + Z) / N] :	**0.764**	**0.725**	**0.833**

Average Placement [(P1 + P2 + P3)/ 0.774

Assessment [40 * Average Placement] : 30.96

Provide the placement data in the below mentioned format with the name of the program and the assessment year (separately for CAYm1, CAYm2 and CAYm3):

Program Name: CIVIL ENGG.

Assessment Year: 2020-21 (LGY)

Sl.No	Student Name	Enrollment No	Employee Name	Appointment No
1	Asia Begaum	316CE20004	Ar. Rabagi B.ARCH,FIIVAIIA	Offer letter
2	P Sahitya	316CE20038	Premier Foundation Cons & Material Testing Lab	Offer letter
3	Spoorti K M	316CE20039	SS Associates	Offer letter

Assessment Year: 2019-20 (LGYm1)

Sl.No	Student Name	Enrollment No	Employee Name	Appointment No
1	PARIMALA L	316CE19038	P Vekatesulu PWD Civil Class-I contractor	Offer letter
2	SHIVAKUMAR M	316CE19047	KESORAM Industriea Limited	Offer letter

Assessment Year: 2019-20 (CAYm3)

S. No	Student Name	Enrollment No	Employee Name	Appointment No
1	H Shilpa	316CE18008	Premier Foundation Cons & Material Testing Lab	Offer letter
2	SEVYANAIK K N	316CE18040	Ar. Rabagi B.ARCH,FIIVAIIA	Offer letter

4.7 Professional Activities (20) . Total Marks 14.00

Inst Marks 5.00

4.7.1 Professional Societies/ student chapters and organizing technical events (10)

A. Availability of Professional Societies/Chapters & Relevant activities (5) **Inst Marks 5.00**

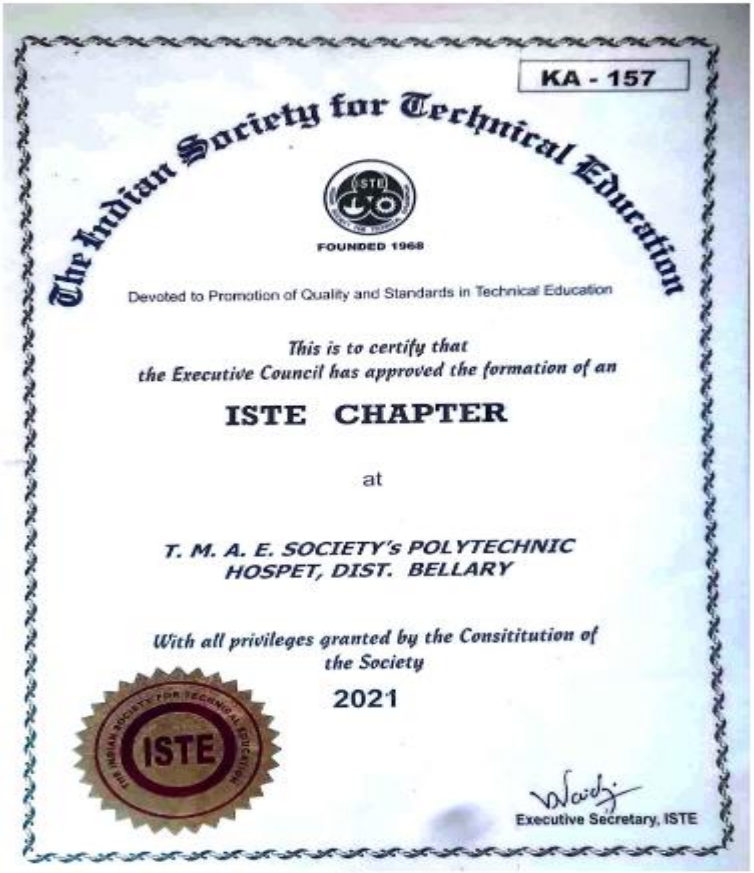
1) Institutional membership of Indian Society for Technical Education (ISTE).

Institutional Membership No.: IM2146

Sl. No	NAME OF THE STAFF	Designation	Department	MISTE NUMBER
1	Y M UMASHANKAR	Selection Grade Lecturer	CIVIL	LM45556
2	MAHESH KUMAR N	Selection Grade Lecturer	E&CE	LM89296
3	CHANDRASHEKAR G	Selection Grade Lecturer	E&CE	LM50460
4	SADANANDAPPA N	Selection Grade Lecturer	E&CE	LM89297
5	REKHA M	Selection Grade Lecturer	E&CE	LM89298
6	CHANDRA KUMAR M	Lecturer	E&CE	LM89299
7	GEETA ALIAS GIRIJA GADED	Instructor	E&CE	LM89985
8	H K SHANKARANANDA	Selection Grade Lecturer	E&CE	LM21414
9	KRISHNA PUTHANI	Selection Grade Lecturer	CIVIL	LM 45575
10	K LAXMI REDDY	Selection Grade Lecturer	CIVIL	LM45582
11	PRAKASHAIAH N S	Selection Grade Lecturer	CIVIL	LM132829
12	H SHANKAR BABU	Lecturer	CIVIL	LM132828
13	ADIVEPPA AMATENNAVAR	Lecturer	CIVIL	LM132826
14	GIRISH KUMAR B	Lecturer	CIVIL	LM132827
15	T NAZIRUDDEEN	Selection Grade Lecturer	MECH	LM132824
16	GUDUDAPPA T	Selection Grade Lecturer	MECH	LM89981
17	PRAKASH C S	Selection Grade Lecturer	MECH	LM89984

18	MALIPATIL MAHESHA GOUDA	Selection Grade Lecturer	MECH	LM45579
19	VENKATESH D	Selection Grade Lecturer	MECH	LM 89980
20	GAVISIDDAPPA	Selection Grade Lecturer	MECH	LM89982
21	PUNDALEEK MALABASARI	Selection Grade Lecturer	MECH	LM89979
22	MALLIKARJUNA K P	Selection Grade Lecturer	MECH	LM89978
23	DHANANJAY G	Selection Grade Lecturer	AUTO	LM45781
24	THAJUDDIN T	Selection Grade Lecturer	AUTO	LM45581
25	KRISHNA MURTHY D	Selection Grade Lecturer	AUTO	LM45580
26	SHRINIVAS D SIRIYANNAVAR	Selection Grade Lecturer	AUTO	LM45780
27	MANJUNATHA M C	Selection Grade Lecturer	AUTO	LM98039
28	YALLAPPA S BALIKAI	Selection Grade Lecturer	E&EE	LM45583
29	SUBHASH P KATTI	Selection Grade Lecturer	E&EE	LM89300
30	RAJESH E H	Selection Grade Lecturer	E&EE	LM89302
31	MUKUDI UMAPATHI	Selection Grade Lecturer	E&EE	LM45569
32	LINGAPPA B	Selection Grade Lecturer	E&EE	LM89305
33	K MANJANA GOUD	Selection Grade Lecturer	E&EE	LM89304
34	CHANDRASHEKHAR	Selection Grade Lecturer	E&EE	LM89303
35	LAXMAPPA M KUNTHE	Selection Grade Lecturer	E&EE	LM89301
36	T SATHYANARAYANA RAO	Selection Grade Lecturer	SCIENCE	LM132825
37	JOTSNA	Selection Grade Lecturer	SCIENCE	LM132821
38	Dr SHIVARAJ B H	Lecturer	SCIENCE	LM132823
39	YOGANANDA T L	Foreman	MECH	LM132822

Established ISTE Faculty Chapter in the year 2021



KA - 157

The Indian Society for Technical Education

FOUNDED 1968

Devoted to Promotion of Quality and Standards in Technical Education

This is to certify that
the Executive Council has approved the formation of an

ISTE CHAPTER

at

T. M. A. E. SOCIETY's POLYTECHNIC
HOSPET, DIST. BELLARY

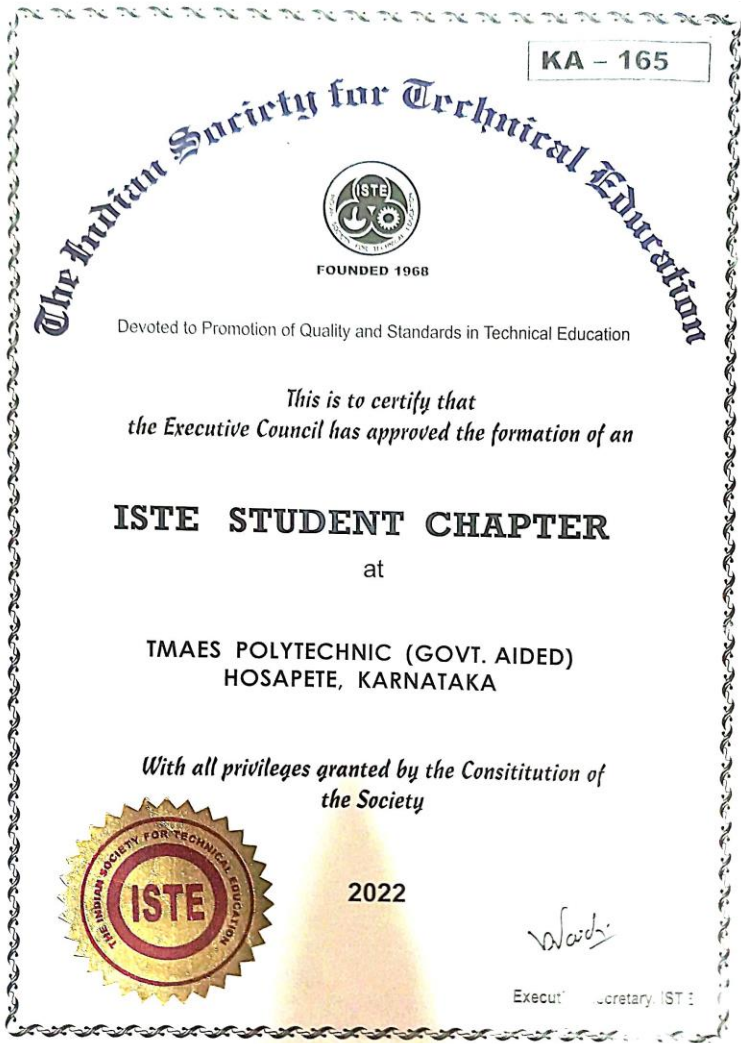
With all privileges granted by the Consititution of the Society

2021

ISTE

Executive Secretary, ISTE

Established ISTE Student Chapter in the year 2022



KA – 165

The Indian Society for Technical Education

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the Executive Council has approved the formation of an

ISTE STUDENT CHAPTER

at

TMAES POLYTECHNIC (GOVT. AIDED)
HOSAPETE, KARNATAKA

With all privileges granted by the Consititution of the Society

2022

Executive Secretary, ISTE

Sr no.:	138	Name:	Naimuddin
Mobile No:	8105018130	Email:	tmaesp_hpt@yahoo.co.in
Duration:	3 yrs	Gender:	M
Branch:	EC		
Sr no.:	139	Name:	Nandini G M
Mobile No:	7899478784	Email:	rekharekha81387@gmail.com
Duration:	3 yrs	Gender:	F
Branch:	EC		
Sr no.:	140	Name:	P Abhishek Nayaka
Mobile No:	7892844821	Email:	tmaesp_hpt@yahoo.co.in
Duration:	3 yrs	Gender:	M
Branch:	EC		
Sr no.:	141	Name:	R N Subash chandra
Mobile No:	8317486898	Email:	rnsubhashchandra8@gmail.com
Duration:	3 yrs	Gender:	M
Branch:	EC		
Sr no.:	142	Name:	R Shagufta
Mobile No:	7204787480	Email:	tmaesp_hpt@yahoo.co.in
Duration:	3 yrs	Gender:	F
Branch:	EC		
Sr no.:	143	Name:	Raghavendra Maski
Mobile No:	7786714373	Email:	raghavendramaskizonu@gmail.com
Duration:	3 yrs	Gender:	M
Branch:	EC		
Sr no.:	144	Name:	Ravi D
Mobile No:	7483228406	Email:	ravidkravid@gmail.com
Duration:	3 yrs	Gender:	M
Branch:	EC		

Number of students Registered for membership: 218 for the academic year 2021-22

2) MoU with Bestow Edutrex International LLP

MEMORANDUMOFUNDERSTANDING(MoU)

BETWEEN

T.M.A.E .S POLYTECHNIC
BELLARY ROAD,HOSPET-583201

&

Bestow Edutrex International LLP

Mumbai : 400 064

FOR

SKILL DEVELOPMENT PROGRAM
OUTCOME BASED TRAININGS,PLACEMENT, R&D
SERVICESANDRELATEDSERVICES

For T.M.A.E.S Polytechnic, Hospet

Name: Authorized Signatory

For Bestow Edutrex International LLP

Dr Kumardatt A Ganjre

T.M.A.E.S POLYTECHNIC	Bestow Edutrex International LLP
Bellary road ,Hospet.Vijaynagar Dist.Karnataka	S 2, 303, Malad W, Mumbai 400 064
Contact Details:9448126133	+91 9011424678
E-mail:tmeaspoly316@gmail.com	md@bestowedutrex.co.in
Web:https:\\tmaespolytechnichpt.com	www.bestowedutrex.co.in

4.8 B. Number, quality of engineering events (5)

Total Marks 5.00

Inst Marks 0.00

Engineers Day will be celebrated on September 15th of every year and Toppers of previous Semester End Examinations from all the departments will be listed and are felicitated with trophies. Also distinction holders are felicitated with medals.

The students are insisted to get registered to online education applications and are encouraged take up courses of their interest, such as Infosys Spring Board, Free LMS, etc.,

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

Total Marks 5.00

Inst Marks 0.00

A. Quality & Relevance of the contents and Print Material (3)

Total Marks 3.00

Inst Marks 3.00

Lab manuals have been prepared for all the labs by the concerned staff members. Copies of each manual is made available in the department. These manuals are also issued to students for reference. Lab manuals are prepared as per the curriculum contents and are ready reckoner for students and are effective tool for better understanding.

By referring the manuals, students can conduct experiments easily and they help them to understand the concept and principle and purpose of each experiment/exercise.

Publications:

News Letter:

Department Technical Magazine:

4.9 B. Participation of Students from the program (2)

Total Marks 2.00

Inst Marks 2.00

S. No.	DATE	Activity
1	31-05-2022	PARTICIPATION IN COMMUNITY SERVICES (CYCLE RALLY – Anti Tobacco Day)
2	14-03-2022	YOGA at Campus
3	05-06-2022	ENVIRONMENTAL DAY (Planting trees)

4.7.3 Participation in inter-institute / state/national events by students of the program of study (5) Total Marks 5.00

Inst Marks 4.00

Inter-Departmental competitions are conducted every year and trophies and various prizes under different categories will be distributed to the winners. Also our final year students attend DO ITYOURSELF project exhibition organized by DCTE, Bengaluru.

CRITERIA – 5

FACULTY INFORMATION AND CONTRIBUTIONS

5. FACULTY INFORMATION AND CONTRIBUTIONS (150)

Name	University Degree	Area of Specialization	Contribution to the Program (1% Load)			Research Paper Publication	Faculty receiving M.Tech/ Ph.D during assessment year	Current Designation	Initial Date of joining	Association Type	At present working with the institution (Yes/ No)	In case No Date of Leaving	Is Principal?
			CAY (2023-24)	CAY m1 (2022-23)	CAY m2 (2021-22)								
Sri KRISHNA PUTTANI	B.E.	Civil.	-	100	100			Selection Grade Lecturer	19/03/1992	Regular	No	Retired on	No
Sri K LAXMI REDY	B.E.	Civil.	100	100	100			Selection Grade Lecturer	18/07/1995	Regular	Yes		No
Sri PRAKASHNAIAH NS	B.E.	Civil	100	100	100			Selection Grade Lecturer	18/07/1995	Regular	Yes		No
Sri H SHANKAR BABU	B.E.	Civil	100	100	100			Lecturer	17/09/2014	Regular	Yes		No
Sri ADIVEPPA AMATHANNAVAR	MTECH	Civil	100	100	100			Lecturer	04/08/2015	Regular	Yes		No
Sri GIRISH KUMAR B	BE	Civil	100	100	100			Lecturer	01/04/2016	Regular	Yes		No
Sri Malleshwara gowdak	BE	Civil	100	100				Lecturer	01/12/2021	Regular	Yes		
Sri T SATHYANARAYANA RAO	M.Sc.	Mathematics	-	0.33	0.33			HOD	19/07/1991	Regular	No	Retired on 31/5/23	No
Smt. JOTSNA	M.Sc.	Physics	-	-	0.33			Selection Grade Lecturer	22/07/1991	Regular	No	Retired on 30/6/22	No
Sri. B H SHIVARAJ	M.A. PhD	English	25	25	25	1	2019(PhD)	Lecturer	12/07/2011	Regular	Yes		No

Smt. YAMUNA KULKARNI	M.A.	Kannada	25	25	25			Lecturer	18/06/2016	Regular	Yes		No
Smt REKHA HANCHATI	B.E.	CS	50	50	50			Lecturer	07/01/2019	Regular	Yes		No
SRI T ANAND	M.Tech.	Mathematics	0.33	-	-			Lecturer	17/07/1991	Regular	Yes		No
Sri NANDA K M	M.Sc.	Statistics	-	-	0.33			Lecturer	05/01/2021	Regular	No		No
Smt SOWMYA	MTech	E&E	-	0.33	-			Lecturer	01/06/2022	Regular	No		
Smt Aralihalli Spoorthy	BE	E&C	50	-	-			Lecturer	01/03/2023	Regular	Yes		
SRI MANJENEGOUDA	BE	E&E	50	-	50			Sl Gr Lecturer	18/7/1998	Regular	Yes		
SRI UMAPATHI	BE	E&E	-	50	-			Sl Gr Lecturer	16/7/1998	Regular	Yes		

5.1 Student-Faculty Ratio (SFR) (25) Total Marks 25.00
Inst marks 25.00

Year	N	F	SFR=N/F
CAY 2023-24	192	8.33	23.04
CAYm1 2022-23	192	9.16	20.96
CAYm2 2021-22	192	8.49	22.61

Average SFR : 22.20

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

Year	Total number of regular faculty in the department	Total number of contractual faculty in the department
CAY 23-24	12	0
CAYm1 22-23	13	0
CAYm2(2021-22)	13	0

5.2 Faculty Qualification (25)

Total Marks 16.86
Inst marks 16.86

5.2.1 Faculty Qualification Index (20)

Year	X	Y	F	FQ = 2 x [(10X + 7Y) / F)]
CAY 23-24	2	10	8.00	22.50
CAY m22-23	3	10	8.00	25.00
CAY m12021-22	2	11	8.00	24.25

Average Assessment: 2 3 . 9 1

5.2.2 Availability of Faculty/principal of that discipline with PhD. Qualification (5)

Total Marks 5.00
Inst marks 0.00

No Phd on that disipline

5.3 Faculty Retention (20)

Total Marks 15.00
Inst marks 15.00

Description	2021-22 (CAYm1)	2022-23 (CAY)	2023-24(CAY)
No of Faculty Retained	13	13	12
Total No of Faculty	13	13	12
% of Faculty Retained	100	100	100

Average: 100.00

5.4 Faculty as participants in Faculty development/training activities conducted by other organizations (30)

Total Marks 30.00
Inst marks 30.00

Name of the faculty	Max 5 Per Faculty		
	2021-22 (CAYm2)	2022-23 (CAYm1)	2023-24 (CAY)
Sri Krishna Putani	5.00	5.00	0.00
Sri K Laxmi Reddy	5.00	5.00	5.00
Sri Prakashiha N S	5.00	5.00	5.00
Sri H Shankar Babu	5.00	5.00	5.00
Sri Advieppa Amathannavar	5.00	5.00	5.00
Sri Girish Kumar B	5.00	5.00	5.00
Sri T Anand	0.00	0.00	0.00

Sri ShivraJ B H	5.00	5.00	5.00
Smt Yamuna Kulkarni	0.00	0.00	0.00
Smt Jotsna	0.00	0.00	0.00
SmtNanda K M	0.00	0.00	0.00
Smt Rekha H	0.00	0.00	0.00
Sri T Satyanarayan Rao	0.00	0.00	0.00
Sri Manjanagowda K	5.00	5.00	5.00
Sri Umapathi	5.00	5.00	5.00
Smt Soumya	0.00	0.00	0.00
Smt Spoorthi	0.00	0.00	0.00
Sri Malleshwara gowda k	0.00	0.00	0.00
Sum	45.00	45.00	40.00
RF = Number of Faculty required to comply with 25:1 SFR as	20.23	18.89	20.57
Assessment [6*(Sum/0.5RF)] (Marks limited to 30)	26.69	28.60	26.26

Average assessment over 3 years (Marks limited to 30) 30.00

5.4. a. Organized/ Conducted FDPs and STTP by this department at State / National Level (12) Total Marks 10.00
Inst marks 10.00

Sl. No.	Academic Year	Total number of Programs conducted
1	2023-24	01
2	2022-23	03
3	2021-22	01
4	2020-21	02
TOTAL		07

Sl. No.	Date	Name of the Event	Name of the Resource Person
2023-24			
1	3/9/23 to 7/9/23	Earth Quake Resistanting Structures	Prof Prashanth D
2022-23			
1	18/1/22 to 22/1/22	Online FDP on Preparation for SAR NBA	Dr Mohammed Rafiq UBDTCE Dr Veergangadhar Swamy RYMEC Bellary
2	22-11-22 To 6-11-22	RCC	H M Prashant (Revolutionery infrastructure)
3	5-7-22 To 9-7-22	Online FDP on IT Skills	Srinath CEO TNI Technologies Mysore Krishna D. K, CEO Indian Global Software technologies Bangalore.
2021-22			
1	9/8/2021 to 13/8/2021	Online FDP on Accredation PROCESS FOR DIPLOMA ENGG	PROF DR SG ANURADHA PROF RAGHU KUMAR

2020-21

1	16-9-20 To 20-9-20	Online FDP on OBE	VASANTH KUMAR GEC HASAN
2	13-1-21 To 17-1-21	Basic Surveying and Handling Total station instruments	Shree Prabhakar reddy ,CEO FOR SUMS

5.5 Product development, Consultancy, Manufacturing contracts, testing contracts (8) Total Marks 6.00
Inst marks 6.00

TMAES Polytechnic Department of civil Engineering has conducted various Third party inspections, Consultancy work and testing on Civil Materials. An average of 2.5 to 3 Laks earning from the Third party inspection, Consultancy work and testing the different types of civil materials.

Third party inspection work is carried out under the municipality of Hospet under the Government of Karnataka. Consultancy work will be carried out by under the Government of Karnataka and Private contractor's works.

Testing of Civil Materials like Cement test, Aggregate test, Soil test, Concrete test, CC Block test and Brick test

5.6 Faculty Performance Appraisal and Development System (FPADS) (30) Total Marks 20.00
Inst marks 4.00

A. A well-defined FPADS instituted for all the assessment years (5)

Faulty members of higher educational institutions today have variety of tasks to diverse roles. In addition to the instruction, faculty members need to innovate and conduct research for their self renewal keep abreast wih changes in technology, and develop expertise for effective implementation of curricula. They are also expected to provide services to the industry and community for theunderstanding and contributing to the solution of the real life problems in industry. Another role relates to the shouldering of administrative responsibilities and cooperation with other faculty, Headof institute. An effective performance appraisal system of a faculty is vital for optimizing and contribution of individual faculty to institutional performance.

Faculty performance Appraisal letter is collected from each faculty in which they need to show their innovations and research for their self renewal to cope up with changes in technology anddevelop expertise for effective implementation of curricula. The format of faculty performance appraisal letter is provided.

<u>Components of Faculty Performance Appraisal Development System</u>

Membership with Professional bodies (ISTE)

1. Faculty contribution towards curriculum
2. Best practice that is introduced to improve teaching and learing process
3. Course taught by faculty which contributes to contents beyond syllabus
4. What is the role in publishing newsletter of the college/Department
5. Contribution to E learing contents
6. Students under guidance acquiring certificates that can be used as proof of lifelong learning
7. Contribution to help direct and indirect analysis of
8. What is the role played in finalization of vision,Mission,PEO,PSO's or any other document
9. Analysis of co-po mapping in last three years and suggestion to improve attainment of po's expected target level shall be more than 50%

10. Analysis of courses exit survey and suggestion to improve attaintment of CO and PO's
11. Analysis of CO-PO Mapping of project works through rubric form in last three years

Faculty contribution at Department/Institute level

1. Contribution to the department in the previous academic year
2. Philosophy of teaching that includes staff member conception of teaching and learing description of how staff members teach and justification for why you teach that way
3. Visiting status in other engineering onstitutions/universities

4. Have faculty helped the department to have MOU with any industry, Specify industry name and its activities?
5. Improvements in the department observed in faculty since last accreditation visit
6. Role of staff member at the institute level
7. Faulty publication in collaboration with peers of other institution
8. Contribution to improve campus placements/higher education etc

Any other information that can help assessment of staff member or help NBA proc

Students Feedback

Following are the components considered for Students Feedback

1. Arising curiosity in the subject by linking to practical or real time applications for the class
2. Attitude/professionalism towards students regularity and punctuality in conducting classes
3. Availability of staff in campus to clarify the doughts
4. Communication skills and subject knowledge
5. Coverage o syllabus & Regularity in conducting classes
6. Effective planning and organization of lecturer contents
7. Fairness in evaluation of IA books and assignments
8. Guidelines for external theory examination/Practice of important topics
9. Presentation of subject matter or method of teaching
10. Response to slow learners/could your teacher inspire or make you work harsed for better resultsEach Component is by giving 1 to 10 point

- Below Average 1-4
- Average 5-6
- Good 7-8
- Excellent 9-10

The performance analysis of facultyis carried out by calculating the average rating and the number of student responses for each component o the student feedback

Evaluation of Faculty Forms

1. **Head of the department Evaluation of faculty Form**

Head of the department completes the evaluation of faculty form usuing the information from observation of instruction, review of syabbi, evaluation of the other duties feedback from students andsubject resukts.HOD evaluates based on the following parameters

1. character and conduct
2. Regularity and Punctuality/availability during workin hours/frequency of leaves availed
3. Attitude towards work
4. Papers published
5. Papers presented
6. Sponsored projects
7. Presentation in classrooms/labs
8. Communication skills
9. Shouldering responsibility/Extra curricular activities
10. Memos

Each component on the evaluation is rated by

- giving 1 to 10 points

  Poor (2)
- Fair (4)
- Good (8)

  Excellent (10)

Based on the observation, HOD recommends promotion/increment for the faculty to the principal office.

Principal office

1. Supports and monitor the execution of the system
2. Verifies and accredits the results submitted by the respective departments
3. Considers revaluation applications submitted by each faculty
4. Prepares final college faculty evaluation report
5. Sends final report/s to the Office of Evaluation

Based on the feedback given by HOD, the principal office recommends for further action

The Office of Evaluation

1. General supervision of the application of the Faculty Performance Review and Development System
2. Cooperation with the various departments of the colleges to implement the Review and Development System
3. Contribution in overcoming problems arising at the time of implementation of the Review and Development System
4. Preparation of the final Faculty Review and Development Report and submits to the management

Document Confidentiality: Evaluation documents and materials prepared and gathered in this process are treated as confidential and limited to authorized persons.

After completion of the system, the concerned Head of the Department is required to meet with every faculty member in person to provide necessary feedback on strengths and weaknesses of thefaculty performance, so as to launch a better future.

B. Its implementation and effectiveness (15) Total Marks 15.00

Inst marks 12.00

Faculty appraisal form will be issued to all the faculty members. The form needs to be filled by concerned faculty and to be submitted to the HOD and principal will evaluate the report and grade will be awarded based on the marks obtained for each parameter.

Based on the marks obtained, if any of the faculty found unsatisfactory with his performance, he/she will be called by the concerned HOD and proper guidance/suggestions will be given to improvehis/her performance in future.

The similar process will be adopted for appraisal of HOD by the head of the institution

C Details of qualification up-gradation of faculty (10)

Total Marks 10.00
Inst marks 4.00

Many of the faculty in the department of Civil engineering having Bachelor Degree in Civil Engineering and few members of Master degree in the particular or specific discipline andmany of the Civil Engineering Department faculties are participated in the FDP and different types of workshops during the Three Academic Years.(CAY, CAY1, CAY2)

CRITERIA – 6

FACILITIES AND TECHNICAL SUPPORT

6. FACILITIES AND TECHNICAL SUPPORT (100)

Total Marks 100.00
Inst marks 81.00

6.1 Availability of adequate, well equipped classrooms to meet the curriculum requirements (10)

Total Marks 9.00
Inst marks 9.00

The details of lecture hall, seminar hall & rooms details are as shown below.

SL. NO.	ROOMS	NUMBERS
1	Lecture Halls	3
2	Seminar Halls	1
3	HOD Room	1
4	Faculty Room	1

Room Description	Number of Rooms	Usage	Shared/ Exclusive	Capacity	Rooms Equipped with	Adequacy
LH-5	01	1st Year(I/II Sem)	Exclusive	60	Green board, Podium, Fans, Benches, adequate lighting.	Adequate
LH-10	01	2nd Year(I/II Sem)	Exclusive	60	Green board, Podium, Fans, Benches, adequate lighting.	Adequate
LH-21	01	3rd Year(I/II Sem)	Exclusive	60	Green board, Podium, Fans, Benches, adequate lighting.	Adequate
Store Room	1					Adequate
HOD Room	01	Allotted for HOD	Exclusive	01	Well furnished with table & chairs. Tube light, fan & Laptop	Adequate
Faculty Room	01	Allotted forFaculty	Exclusive	06	Individual table with chairs for staffswith racks & adequate space.	Adequate
Seminar Hall	01	Allotted for all the students who have PPT, conduct seminars and guest lectures	Shared	80	White board, adequate lighting, fans, benches, computer system, podium & overhead projector	Adequate

6.2 Availability of adequate and well-equipped workshops, Laboratories and Technical manpower to meet the curriculum Requirements

Total Marks 31.00
Inst marks 8.00

(Odd SEM 2021-22)

Sl. No	Name of the laboratory	Sem	Carpet area	No. of students/ batch	Name of the important equipment	Weekly utilization	Technical manpower support		
							Name of the staff	Designation	Qualification
1	IT skill Lab (20CS01P)	I	41	20/batch	PC, Printer, UPS,Batteries	6 days/week	Dodda Basavaraj K	Asst Instructor	DCE
2	SA Lab (20SC02P)	I	125	20/batch	PC, Printer, UPS,Batteries	6 days/week	Dodda Basavaraj K	Mechanic	DCE
3	Communication skill(20EG01P)	I	68	20/batch	PC, Printer, UPS,Batteries	6 days/week	Dr Shivaraj B	HOD	MA Phd
4	SOM (20CE31P)	III	68	20/batch	PC, Printer, UPS,Batteries	6 days/week	Adiveppa Amatennavar	Lecture	BE
5	MADREN SURVEYING PRACTICE (20CE32P)	III	68	20/batch	Dumpy level Theodolite, Total station Auto level Tilting level	6 days/week	Shankar Babu H	Lecture	BE
6	Construction Technique (20CE33P)	III	68	20/batch	Bricks Aggregates, Spec Gravity Bottle, Concrete cubes, Core cutter, Concrete blocks.	6 days/week	Prakashaiah NS	Sl Gr Lecture	BE
7	Building drawing using CADD (20CE34P)	V	68	20/batch	PC-20, Auto CA 2014 UPS,Batteries	6 days/week	Girish Kumar B	Lecture	BE

(Even SEM 2021-22)

Sl. No	Name of the laboratory	Sem	Carpet area	No. of students / batch	Name of the important equipment	Weekly utilization	Technical manpower support		
							Name of the staff	Designation	Qualification
1	Basic Surveying (20CE22P)	II	Open space	20/batch	1)Engg Chain 2)Tape 3))Ranging rod 4)Cross staff 5)Dumpy Level 6)Auto Level 7)Staff	6 days/week	Shankar Babu H	Lecture	BE
2	Building drawing using CAD(15CE34T)	II	68	20/batch	PC-20, Auto CA 2014 UPS,Batteries	6 days/week	Girish Kumar B	Lecture	BE
3	Concrete Technology (20CE41P)	IV	68	20/batch	1)Pychnometer 2)Impact testing m/c 3)Compression testing m/c 4)Weighing m/c 5)V-cat apparatus 6)Liquid limit devices 7)Digital turbidity meter 8)Compaction factor test 9)Clump apparatus m/c 10)Rebound hammer	6 days/week	Prakashaiah NS	Sl Gr Lecture	BE
4	Building drawing using CADD (20CE34P)	IV	68	20/batch	PC-20, Auto CA 2014 UPS,Batteries	6 days/week	Girish Kumar B	Lecture	BE
5	Site Management (20CE43)	IV	68	20/batch	PC, Printer, UPS,Batteries	6 days/week	Adiveppa Amatennavar	Lecture	BE
6	Design and Detailing of RCC Structure (20CE44P)	IV	68	20/batch	PC-20, Auto CA 2014 UPS,Batteries	6 days/week	Laxmi Reddy K	Sl Gr Lecture	BE

(Odd SEM 2022-23)

Sl. No	Name of the laboratory	Sem	Carpet area	No. of students / batch	Name of the important equipment	Weekly utilization	Technical manpower support		
							Name of the staff	Designation	Qualification
1	IT skill Lab (20CS01P)	I	41	20/batch	PC, Printer, UPS,Batteries	6 days/week	SmrtRekha	Lecture	BE
2	SA Lab (20SC02P)	I	125	20/batch	PC, Printer, UPS,Batteries	6 days/week	Smrt Spoorthi	Lecture	BE
3	Communication skill(20EG01P)	I	68	20/batch	PC, Printer, UPS,Batteries	6 days/week	Dr Shivaraj B	HOD	MA Phd
4	SOM (20CE31P)	III	68	20/batch	PC, Printer, UPS,Batteries	6 days/week	Adiveppa Amatennavar	Lecture	BE
5	MADREN SURVEYING PRACTICE (20CE32P)	III	68	20/batch	1)Dumpy level ,2)Theodolite, 3)Total station 4)Auto level 5)Tilting level	6 days/week	Shankar Babu H	Lecture	BE
6	Construction Technique (20CE33P)	III	68	20/batch	1)Bricks , 2)aggregates, 3)Specific Gravity Bottles, 4)Concrete cubes, 5)Core cutter, 6) Concrete blocks.	6 days/week	Prakashaiah NS	Sl Gr Lecture	BE
7	Building drawing using CADD (20CE34P)	V	68	20/batch	PC-20, Auto CA 2014 UPS,Batteries	6 days/week	Girish Kumar B	Lecture	BE

(Even SEM 2022-23)

Sl. No	Name of the laboratory	Sem	Carpet area	No. of students / batch	Name of the important equipment	Weekly utilization	Technical manpower support		
							Name of the staff	Designation	Qualification
1	Basic Surveying (20CE22P)	II	Open space	20/batch	1)Engg Chain, Tape 2))Ranging rod 3)Cross staff 4)Dumpy Level and Staff 5)Auto Level and Staff	6 days/week	Shankar Babu H	Lecture	BE
2	Building drawing using CAD(15CE34 T)	II	68		PC-20, Auto CA 2014 UPS,Batteries	6 days/week	Dodda Basavaraj K	Asst Instructor	DCE
3	Concrete Technology (20CE41P)	IV	68	20/batch	1)Pychnometer 2)Impact testing m/c 3)Compression testing m/c 4)Weighing m/c 5)V-cat apparatus 6)Liquid limit devices 7)Digital turbidity meter 8)Compaction factor test 9)Clump apparatus m/c	6 days/week	Prakashaiah NS	Sl Gr Lecture	BE
4	Building drawing using CADD (20CE34P)	IV	68	20/batch	PC-20, Auto CA 2014 UPS,Batteries	6 days/week	Girish Kumar B	Lecture	BE
5	Site Management (20CE43)	IV	68	20/batch	PC, Printer, UPS,Batteries	6 days/week	Adiveppa Amatennavar	Lecture	BE
6	Design and Detailing of RCC Structure (20CE44P)	IV	68	20/batch	PC-20, Auto CA 2014 UPS,Batteries	6 days/week	Laxmi Reddy K	Sl Gr Lecture	BE

A. Adequacy (10) Total Marks 31.00
Inst marks 8.00

1. Department has provided sufficient labs to learn academic courses.
2. All the practical labs are provided with sufficient technical staff to complete syllabus within the prescribed time.
3. Technical facility and support available are helpful to provide quality education; this will facilitates the students to gain the sufficient knowledge.
4. Students are able to perform the innovative and performed activity throughout the program.
5. The computer lab is provided with 1:2 ratios to the students.
6. The specification of the apparatus meets with the standards.

B. Quality of Labs/workshop (20) Inst marks 15.00

1. Labs are spacious for conducting the experiments timely.
2. Laboratory experimental equipments and test kits are reliable and accurate with periodic maintenance.
3. Proper lighting and ventilation is provided in every lab.
4. Informative notice board containing safety measures.
5. LED projector is provided for computer lab.
6. Each lab is equipped with fire extinguishers and first aid box.
7. Stock verification is done for every year to confirm the availability and working condition of the equipment.


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C. Technical Manpower support –Eligible and Adequate (10) Total Marks 10.00
Inst marks 8.00

- The department has adequate well experienced technical support staff for all laboratories to support and assist teaching faculties in conduction of labs. They also involved in repair works ofequipments.
- The technical staffs are well qualified and they can monitor the equipments regularly to avoid deficiency. Well technical staffs are available for maintenance of electronic equipments and software.

SL.NO.	Laboratory	No. of staff
1	CT Lab	1+1+3=5 (Instructor, Asst Instructor, Mechanic)
2	Computer lab	1
3	Seminar hall	1

Sl. No.	Name of the Technical support staff	Designation	Date of joining
1	BK Mohan	Instructor	02/07/1990
2	Dodda Basavaraj K	Asst. Instructor	10/07/1991
3	Ramesh Babu D	Mechanic	01/07/1997
4	JAgadeesh Illalimath	Mechanic	06/07/1991
5	M Koresh	Mechanic	05/07/1990

6.3 Additional facilities created for improving the quality of learning experience in laboratories (20)
A. Facilities (10)

SL. NO.	Facility name	Details of facility
1	UPS	UPS with battery
2	Department library	Having collection of text books all semesters and project reports are kept indept.
3	Charts	Some of the CIVIL Engineering. Charts are displayed in the labs
4	Old projects of CIVIL Engg Engineering.	Better old projects of CIVIL Engineering. Are kept for further studies about their projects

B. Effective Utilization

Total Marks 5.00
Inst marks 4.00

It is necessary for the technical students to explore advanced technology rather than prescribed information by creating state of art of centers for the advanced learning.

1) The entire facilities are made available to the students in regular academics weekly 2 to 3 hrs for each batch to make sure them to learn practically.

2) These facilities has extended academically to facilitate the students to build advanced learning capabilities

SL. NO.	Facility name	Details of facility	Reason for creating facility	Utilization	Quality of learning experience	
					Area in which the students are expected to have enhanced learning	Relevance to PO/PSO
1	Department library	Having collection of text books, CD's for all semesters and project reports are kept in dept.	To gain deep knowledge of concept using a reference books& CD's for all courses, seminar, laboratory projects	Students of all semesters	Student learning process	PO1, PO2,PO3,PO4, PO5, PO6
2	Charts	Some of the CIVIL Engg. Charts are displayed in the labs	To give better understanding of the electronics components & communication, networking, PLC	Students of all the semesters	In all the courses of CIVIL Engg. From Sem 1 to Sem 6	PO1, PO2, PO8
3	Old projects of Engg.	Better old projects of CIVILEngg. Are kept for further studies about their projects	Innovation of the existing projects and learning experience for 5^{th}& 6^{th} sem students	Used by the present batches for innovation in the related projects	Innovative projects	PO1. PO2, PO4, PO8

C. Relevance to POs/PSOs

Total Marks 5.00
Inst marks 4.00

DEPARTMENT LIBRARY	PO1, PO2,PO3,PO4, PO5, PO6
WALL CHARTS	PO1, PO2, PO8
OLD PROJECT REPORTS & MODELS	PO1. PO2, PO4, PO8

6.4 Laboratories: Maintenance and overall ambiance

Maintenance of Laboratory Equipments

Each lab is neatly maintained by regular housekeeping

- Regular checking of equipment is carried out at the end of every semester and before the start of every semesterInformative notice board containing safety, DO's & Don'ts is properly maintained
- Well technical staffs are available for maintenance of electronic equipments and softwareMaintenance of printers is being done for every 6 months
- All necessary PC system's regular software like MS Office, lab software, antivirus software etc, is installed and maintained LED projectors are provided for computer laboratory
- Each lab equipped with fire extinguisher equipments and first aid kits
- Stock verification is done for every year to confirm the availability and working condition of the equipment

Sl no	Laboratory Description	Maintenance of equipment	Quality of Instruments	No of students/ experimental setup	Carpet area (in sq. m)	Lab manual	Completion of Walls and painting	Ambience
1	IT skill Lab (20CS01P)	Half yearly	Excellent	1/setup	41	yes	Fully developed	Well condition
2	SA LAB (20SC02P)	Half yearly	Excellent	8/setup	125	yes	Fully developed	Well condition
3	Communication skill (20EG01P)	Half yearly	Excellent	8/setup	68	Yes	Fully developed	Well condition
4	Civil Engg graphic (20CE21P)	Half yearly	Excellent	8/setup	135	yes	Fully developed	Well condition

5	BASIC SURVEYING PRACTICE (20CE22P)	Half yearly	Excellent	30/setup	Open Space	yes	Fully developed	Well condition
6	FEEE LAB (20EE01P)	Half yearly	Excellent	8/setup	150	yes	Fully developed	Well condition
7	Engg mechanics and SOM	Half yearly	Excellent	1/setup	68	yes	Fully developed	Well condition
8	MADREN SURVEYING PRACTICE (20CE32P)	Half yearly	Excellent	30/setup	Open Space	yes	Fully developed	Well condition
9	Construction Technique (20CE33P)	Half yearly	Excellent	20/setup	68	yes	Fully developed	Well condition
10	Building drawing using CADD (20CE34P)	Half yearly	Excellent	20/setup	68	yes	Fully developed	Well condition
11	Concrete technology (20CE41P)	Half yearly	Excellent	20/setup	68		Fully developed	Well condition
12	Building estimation and valuation (20CE42P)	Half yearly	Excellent	20/setup	68	yes	Fully developed	Well condition
13	Site Management (20CE43P)	Half yearly	Excellent	20/setup	68	yes	Fully developed	Well condition
14	Design and Detailing of RCC Structure (20CE44P)	Half yearly	Excellent	20/setup	68	yes	Fully developed	Well condition
15	WATER and sewage Analysis Lab	Half yearly	Excellent	20/setup	68		Fully developed	Well condition

Total Marks 8.00
Inst marks 8.00

Overall Ambiance

- Department has well furnished with well equipped equipments which shall used by all the courses as per curriculum requirements Conditions of chairs /benches/stools are in good condition
- All the labs are conducted and evaluated every week
- All the laboratories have sufficient natural light, good ventilation with tubes and fan arrangements sufficient number of windows are available for ventilation and natural light and every lab has one exit each lab is provided with black board
- Computer lab is provided with white board, internet facility

A register is maintained in the department to record the maintenance work attended as per the schedule. The format of maintenance record is show below.6

6.5 Availability of computing facility in the department (10)

Total Marks 9.00
Inst marks 9.00

Sr. No	No Of Computer terminals	Students Computer Ratio	Details of Legal Software	Details of Networking	Details of Printers, Scanners etc.
1	20	2:1	XP, Windows 7	Stand Alone	CANON LBP 2900B
2	20	2:1	XP, Windows 7	LAN CONNEC	CANON LBP 2900B

6.6 Language lab (10)

Total Marks 8.00
Inst marks 8.00

A full-fledged digital language lab with 20 student consoles is available for developing communication skills of our students. The four essential skills of Listening, Speaking, Reading and Writing are imparted systematically with activities that require their use and are designed to support in process of acquiring communication skills sets quickly

Details of Language Lab:

Details of computer specifications	No. of computers available	No. of Teacher console	No. of Students console
Cute ECO CPU VIEW Sonic Intel Atom 330 processor, 2GB RAM 320 GB Hard disc drive, wifi, nvidia graphics/HDMI & DUI/USB 3.0 Windows-7 installed. Zebster LED monitor 15.6 " HP keyboard & mouse	20	1	20

Features of Language lab

- Elementary, intermediate and advanced school level
- Profession communication skill development
- Phonetics- General English
- Conversation- General English, Intelligible English, Global communicative
- Grammar-English
- Professional communication lab- Skills, presentation skills group discussion, Interviews, Public speaking, email soft skills etc.
- Aptitude & GK

Utilization of language lab

- Language lab slots have been allotted in the time table for 1 and 2 Sem students
- A syllabus for "Communication Skills" is followed as set by BTE & labs with all be conducted accordingly.

CRITERIA – 7

CONTINOUS IMPROVEMENT

7. CONTINOUS IMPROVEMENT (75) Total Marks 64.00

7.1 Actions taken based on the results of evaluation of each of the POs and PSOs (25)

POs Attainment Levels and Actions for Improvement- (2022-23) Total Marks 23.00
Inst marks 23.00

POs	Target Level	Attainment Level	Observations
PO1: Basic and Discipline specific knowledge			
PO1	2.889	2.329	Civil engineering curriculum requires the strong foundation of theoretical and practical knowledge of science and mathematics, which the students study in their first year, but student's lags in correlating the theoretical

ACTION1: Tutorials based on real application inclusion of simulation software in teaching learning process.
ACTION2: We inspire students to participate in technical events, other events where their basic knowledge should convert to application matching with defined level of their standards

PO2: Problem analysis			
PO2	3	2.671	The problem solving and analyzing skills gained through first and second year courses helps the students to apply in real time application.

ACTION 1: Students are encouraged to observe, their homes and surroundings to gain insight into real life engineering problems and think of possible approaches/solutions to these problems.

PO3: Design/ development of solutions			
PO3	3	2.645	Some of the projects developed by the student as hobby projects/major projects (final year) are not fully considering the social and environmental issues.

ACTION1: Students are motivated to include all standard parameters and constraints according to National and International safety norms and to address environmental concerns

PO4: Engineering Tools, Experimentation and Testing			
PO4	2.625	2.372	It is observed that most of the project abstract and literature survey are addressing the research based approach but does not end with valid conclusions.

ACTION1: Academic workshops are coming into picture to apply more knowledge in terms of conduction of experiments and

analysis of results at required level.

PO5: Engineering practices for society, sustainability and environment

PO5	1.9	2.297	ACHIEVED

ACTION1: Modern labs are developed to demonstrate the use of Modern tools like MATLAB, Arduino, LabView, Cadence etc. to specify fulfillment of requirement in engineering applications in newindustrial era.

PO6: Project Management

PO6	1.6	2.283	ACHIEVED

ACTION1: To understand the safety concerns and social aspects, students visited industry to expand their practical knowledge with the effect of improved practices in engineering.

PO7: Life-long learning

PO7	2.5	2.499	ACHIEVED
Students are encouraged to indulge in projects, in which global and environmental issues are improved, with respect to consumption of energy and utilization of renewable energy resources.			

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

PSOs	Target Level	Attainment Level	Observations

PSO1: Apply principles of mathematics, communication, automation and logic control to analyze different types of signals and switching operations.

PSO1	2.722	2.368	The courses of the program are demonstrating the resource fullness forcontemporary issues. The project titles of the final year and pre-final year students are addressing the real
ACTION1: 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			

PSO2: Analyze, Synthesize the analog & digital circuits & to adapt for rapid changes in tools and technology through life-long learning.

PSO2	2.571	2.196	Usage of different tools and designs are used to , develop/ implement, test, manufacture and maintain the electronics systems for consumer electronics/telecommunication/optical communication/ automobile/ Industrial
ACTION1: Academic workshops and conferences are coming into picture to apply more knowledge in terms of conduction of experiments and analysis the as required level.			

PSO3: Design Electronics & Communication, Electrical circuits, simulate using EDA tools and interface with kits or modules through programming and fabricate PCB.

PSO3	2.714	2.406	To inculcate ethics, good interpersonal relationships, ability to communicate, leadership and project management.
ACTION1: Career readiness program and corporate lectures are arranged to meet required expertise in field of engineering.			

Improvement in Success Index of Students without the backlog

Total Marks 8.00
Inst marks 8.00

Items	Latest Passed out Batch (2020-21)	Latest Passed out Batch minus 1 (2019-20)	Latest Passed out Batch minus 2 (2018-19)
Success Index (from 4.2.1)	0.265	0.189	0.114

Improvement in Placement and Higher Studies

Total Marks 8.00
Inst marks 8.00

Items	Latest Passed out Batch (2020-21)	Latest Passed out Batch minus 1 (2019-20)	Latest Passed out Batch minus 2 (2018-189)
Placement Index (from 4.6)	0.743	0.690	0.833

Improvement in Academic Performance in Final year (10)

Total Marks 8.00
Inst marks 8.00

Items	Latest Passed out Batch (2019-20)	Latest Passed out Batch minus 1 (2018-19)	Latest Passed out Batch minus 2 (2017-18)
Academic Performance Index (from 4.3)	5.976	4.96	4.275

Internal Academic Audits to Review Complete Academics & to Implement Corrective Actions on Continuous Basis Total Marks 9.00
Inst marks 9.00

Items	2021-22 (CAYm1)	2020-21 (CAYm2)	2019-20 (CAYm3)
Internal Academic Audits	02	02	02

New Facility created in the Program Total Marks 8.00
Inst marks 8.00

Items	2022-23 (CAYm1)	2021-22 (CAYm2)	2020-21 (CAYm3)
New Facility Created	1	1	1

CRITERIA – 8

STUDENT SUPPORT SYSTEMS

1. STUDENT SUPPORT SYSTEMS

Mentoring system to help at individual level For students, a mentor is someone who serves as a guide throughout their institutional training. Mentors apply their guidance, experience and expertise in promoting their mentees professionally and personally, through interpersonal engagement.
In short, Mentoring aspires to transformational positive changes. It enhances self confidence, improves peer bonding and prepares mentees for career advancement.

Each faculty is assigned 15 to 20 students. The faculty monitors their progress and reports to department in-charge of counseling cell. This mentoring is for over-all development of the student. A counseling sheet is maintained by faculty, where attendance, examination marks and family details are recorded. The same is continued till the student completes his/her graduation. The periodic status will be submitted to the parents/Guardians.

Objectives of Mentoring
Refining teacher-student communication outside classroom
Helping students understand the challenges and opportunities present in the Institute and develop smooth transition to campus life.
Maintaining data base of student performance, attendance details & drop outs
Ensuring regularity and punctuality of students through counseling sessions.
Supporting personal & professional growth & monitoring psychological growth & progress
Expected Outcomes
A healthy Learning Environment
Creation of positive communication channels among Principal, Parents, Staff & Students Enhancing a feeling of belonging among students
Self confident, bold & an active, enthused student community
Better attendance, lesser dropouts and good psychological health of students Confident Parents
Improved Performance
Note: Mentors Diary is maintained from the academic year 2019-20.

Flow chart below shows the Mentor System:

Feedback analysis and reward/ corrective measures taken, if any

Methodology being followed for feedback collection, analysis and its effectiveness

The feedback collection process is very important for quality improvement of the Institution. The faculty feedback is collected from the students every semester. This process contributes to evaluate the faculty performance for reward / corrective measures

The online feedback will be taken from the students in regular class hours and monitored by the inter department faculty

Average Percentage of Students who participates: Students having attendance more than 75% are participated.

The feedback analysis process:
The inter department faculty collect the feedback from students through online and consolidated report generated online is forwarded to the Principals Office for further Corrective Measures. The same will be sent to respective HOD's.

Table: Feedback analysis grading

Grading	Points
Excellent	9 - 10
Good	7 - 9
Average	3 - 7
Poor	1 – 3

The teaching performance indices are analyzed by the Principals Office and the same is conveyed to the concerned.

Record of corrective measures taken

Basis of Reward / Corrective Measures:
The indices used for measuring the quality of teaching, learning and summary of the index values are mentioned in below.

1. Creating interest in the Subject.
2. Regularity in handling the Classes/E-Classes.
3. Presentation of the Subject.

4. Audibility or Clarity of Speech.
5. Interaction with Students.
6. Clarifying Students Doubts.
7. Fairness in evaluation of I A test and assignment books.
8. Ability to design Quizzes/Tests/Assignments/Examinations and projects to evaluate students understanding of the course.
9. Interact and encourages students to ask question/participation.
10. Fulfillment of course objectives and outcomes.

System of Reward:

Best performing faculty is rewarded by issuing a Letter of Appreciation. Performance rating of faculty through student feedback system is one of the factors in evaluating the annual performance and torelease the annual increment.

Corrective Actions taken:

The faculties performing below average are trained continuously through Faculty Development Program to improve the quality of the staff.

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

Feedback on facilities

A standard procedure for feedback on facilities is taken up in the college. Feedback is collected from the students on facilities available in the college such as Water facility, Internet facility, Canteen facility, Sports and Gymnastic facility, etc.

The feedback is analyzed and the necessary corrective measures are implemented after discussions with the Management.

Following is the process of feedback on facilities.

i. Feedback collection process

ii. Feedback analysis

iii. Corrective measures

i) Feedback collection process:

Different feedback forms are made available on our college websites: http://tmaespolytechnichpt.com/stakeholders-feedback-forms/Table: Details of feedback collection process:

Item	Description
Feedback collected on all facilities provided by the college.	YES
Feedback collection process	From institute website
Feedback receiver	HODs through website admin

FORMAT of Student Feedback on Facility:
Sample Questionnaires:

- Interaction with the Principal.
- Interaction with HODs.
- Response at the Reception
- Good support/interaction from Office
- Availability of Staff in working Hours.
- Extra Curricular Activities.
- Discipline in Campus.
- Internet facility at Internet Centre
- House Keeping at College Campus
- Drinking Water Facility
- Washroom facilities and maintenance
- Sports Activities
- Mentor-Mentee System
- Are you happy with the food served in the present canteen?
- Are you aware of the NSS Activities in our Technical Board?

Rating of Scale
Poor --- 1 to 3
Average --- 3.01 to 7
Good --- 7.01 to 9
Excellent --- 9.01 to 10

Feedback analysis:

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

Corrective measures:

Corrective measures will be implemented at the college level with respect to the decision made by the management.

Career Guidance, Training, Placement

Career guidance for the students is a must so that graduates can discover their strengths and weaknesses before venturing out into the highly competitive world, some Precautionary as well as career-boosting measures need to be taken by graduates.

Career counseling or career guidance process involves individuals (school or college students or professionals) exploring various career options, understanding more about the opportunities, analyzing the career prospects and earning potential. The process also includes an all-inclusive career assessment test which evaluates individuals' interests, strengths and weaknesses, ability/aptitude, personality traits and capabilities. The students are guided by mentors and also career guidance program is conducted regularly.

Soft skills programs will be organized for enhancing the ability the students and to explore them in the competitive world. The career planning workshop organised online during pandemic and also offline. Group Discussion activity is organized in the workshop.

Few organizations to name are Art of Living, Bestow education,

Entrepreneurship Cell/Technology Business Incubator

CRITERIA – 9

GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES

1. GOVERNANCE, INSTITUTIONAL SUPPORT AND FINANCIAL RESOURCES

Organization, Governance and Transparency

State the Vision and Mission of the Institute

Vision :
Empowering youth by imparting quality technical education and strive to prepare students with excellent technical skills.
Mission :
1. To offer value added quality technical education & excellent academic training to our students. 2. To provide state of art infrastructure with latest facilities. 3. To strengthen industry institute interaction.

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

Sl. No	Name	Designation
1	Sha. Bra. VARASADYOJATHA SHIVACHARYA MAHASWAMIJI	PRESIDENT
2	SRI N.G. NAGANA GOUDA	VICE PRESIDENT
3	SRI T M CHANDRASHEKARIAH	SECRETARY
4	Dr MAHESH	MEMBER
5	Dr RAMESH KUMAR	MEMBER
6	SRI T M SHIVADEVAIAH	MEMBER
7	SRI K M GURUSIDDAIAH	MEMBER
8	SRI BALARAMA SHETTY	MEMBER
9	SRI T M SHIVASHANKAR	MEMBER

Functions of Governing Body:

Roles and Responsibilities of Governing Council of TMAES Polytechnic, Hosapete as per Byelaw of TMAE Society, Harapanahalli

Governing council responsible to monitor day to day overall affairs of the Institution.
Governing council responsible to implement guidelines given by Management Committee of TMAE Society, Harapanahalli.
It is Responsible to take cooperation, favour and Sympathy from all stake holders.
To gather Funds required for Management of the Institution and maintenance of audit reports of financial resources of the institution.
To prepare and submit Annual and supplementary Budget proposals to the TMAE Society Management for approval.
Prepare Annual reports and submit it to Management committee of TMAE Society for approval.
Budget requirement of equipment's, construction and maintenance of \ Building and Academic activities shall be submitted to the management committee for approval
Extension of service after retirement of staff members shall be submitted to the secretary with recommendation if necessary.
Verify audit statements from time to time to check its authenticity and correct the audit statements if any deficiencies.
All expenditure of the institution shall be within the budget approved by TMAES Society, Harapanahalli.
Submit Annual report to Management committee of TMAES Society, Harapanahalli.
Day to day activities of Teaching, Non-Teaching and office staff members shall be monitored by Governing body of the institution initiate appropriate action if any violation of service of the institution.
Advising and directing the institutes by the Management Committee of TMAES Society, Harapanahalli for overall growth of the institution.
Governing Body shall take advice from senior academic leaders and experts, Industry, Senior legal luminaries, Senior Medical experts, achievers and other Known persons of the society for overall growth of the institution.
Governing Council responsibility to follow diligently rules and regulations prescribed by statutory bodies namely Government, DCTE, AICTE, and other regulatory agencies.
It is responsibility of governing council to follow guidelines as amended by TMAES Society, time to time to accommodate dynamic changes in technical education, general society and other important segments of the society
Minutes of the meeting and action taken reportsC Service and Recruitment Rules
Service rules are constituted by TMAES Society, and is made available to all the departments for the sake of the information to the employees.

	There shall be three categories of faculty/staff members:
1	Academic: HOD, Selection Grade Lecturer, Lecturer. Technical Support: Instructor, Asst Instructor, Mechanic, Helper.
	Office Staff: Office Superintendents, FDA, SDA, Attender, Group-D.
2	Appointments are made as per AICTE for teaching & Govt. C & R Rules for non teaching posts and the respective posts are approved by the Govt. of Karnataka accordingly. The pay scales have been fixed as per AICTE & State Government norms.
	The Appointing Authority for other non government posts shall be a Governing Council at the institution level including Principal as the Governing Council Member.
	The appointment of staff members at an Institution shall be made by the Governing council by adopting an open and transparent selection procedure namely:
3	Issue of attractive advertisement for the posts at State-level English and Kannada Daily News Papers; Issue of rolling announcement of vacancies in an appropriate site; Adherence of Policy matters given by the Management/Government; Short listing of candidates will be done as per AICTE/DCTE/GOK Norms to meet the requirements.Intimating eligible candidates for the recruitment process after short listing as per norms Setting up Screening Committees to identify candidates to be interviewed; Setting up Selection Committees to interview the identified candidates including the subject expert in the concerned domain; Placing the Selection Committee Reports before the GC for approval; Placing selected candidates in MC Meeting at Management Level Issue of Appointment Letters by the Secretary/Chairman of the Management. List of selected candidates will be sent to Government for final approval (for aided posts)
4	Each appointment shall be normally made against a sanctioned post at the Institute. However, the GC shall have the powers to make any other appointment/s, after determining and fixing a source of fund for the expenditure.
5	The GC may also consider and appoint well qualified/experienced candidates to the Institution in various departments/sections.
6	The pay scales admissible to the faculty/staff members at the institution shall follow the AICTE/GOK/Management norms and standards.
7	The Service Conditions for all academic, administrative and technical staff members of the institution shall be as prescribed in the Service Register / Manual of the Management.
8	There shall be a Code of Ethics to be strictly followed by all academic, administrative and technical staff as prescribed by the Management.

Decentralization in working and Grievance Redressal mechanism

List the names of the faculty members who have been delegated powers for taking administrative decisions

Sl.No	Name	Designation	Department	Role
1	Dr H K Shankarananda	Principal	Administrative	Chairman
2	Sri T M Shivashankar	Tech. Direct.	Administrative	Member
3	Sri T Naziruddeen	HOD	Mechanical	Member
4	Sri N Mahesh Kumar	HOD.	E&CE	Member
5	Sri G Chandrashekar	HOD	CS&E	Member
6	Sri Dhanjujaya G H	HOD	Automobile	Member
7	Sri Shivaraj B H	HOD	Science	Member
8	Sri K Manjana Gouda	Sl.Gr.Lect	E&EE	Member
9	Sri K Laxmi Reddy	Sl.Gr.Lect	Civil	Member
10	Sri Yogananda T L	In charge HOD	Metallurgy & Mining	Conveyor

Grievance Redressal Mechanism:

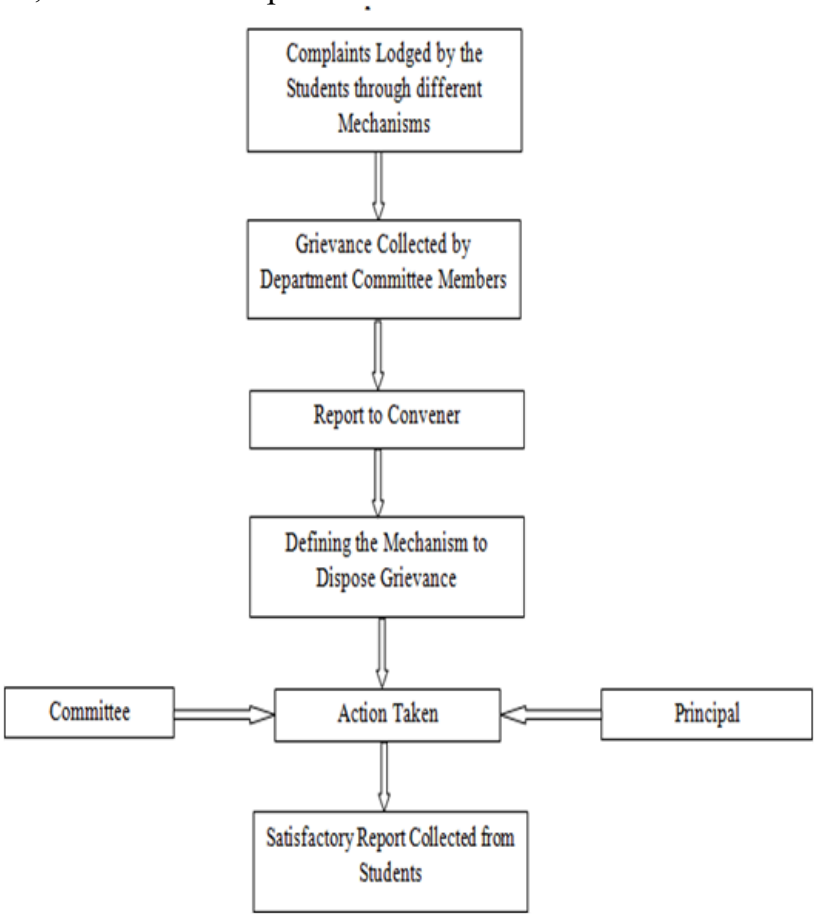
The function of the cell is look into the complaints lodged by any student if any and then judge its merit. The grievance cell is also empowered to look into matters of harassment. Anyone with a genuine grievance may approach the department members in person or in consultation with officer in-charge student's grievance cell. In case person is unwilling to appear in self, grievance may be dropped in writing at the letter box/suggestion box of the grievance cell at administrative block.

Mechanism adopted to collect the Grievances at the institute

- Suggestion / complaint Box is installed in which the students, who want to remain anonymous, put in writing their Grievances and their suggestions for improvement of the Academics / Administration in the College.

- Providing Online submission of Grievances in the institute website for both staff & students

- Written Complaint to Principal and Committee member of the department orally to the respective Department committee member, HODs & Principal



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7	Sri Shivaraj B H	HOD	Science	Member
8	Sri K Manjana Gouda	Sl.Gr.Lect	E&EE	Member
9	Sri K Laxmi Reddy	Sl.Gr.Lect	Civil	Member
10	Sri Yogananda T L	In charge	Metallurgy & Mining	Conveyor

Delegation of financial powers:
Financial powers are delegated/authorized to Principal by the management to spend up to Rs. 25,00,000(Rupees Twenty five thousand) and the HOD's of all the departments of this Institute are also authorized to spend up to Rs.5,000(Rupees Ten Thousand) for academic purposes.

Transparency and availability of correct/unambiguous information in public domain

Dissemination and Availability of institute/program specific information through the web:

The institute has hosted its own website which is updated regularly. The institute and Program specific information is made available to all aspirants through the web- site.The web-site URL is:
https://www.tmaespolytechnichpt.com

Table: URL Links

1	Institution Mission & Vision	https://tmaespolytechnichpt.com/vision-mission/
2	Audited Statements	https://tmaespolytechnichpt.com/mandatory- disclosures/
3	NSS	https://tmaespolytechnichpt.com/student- support/nss/
4	Placement	https://tmaespolytechnichpt.com/placements/
5	AICTE Mandatory	https://tmaespolytechnichpt.com/mandatory- disclosures/
6	Important Links: AICTE/DCTE/MHRD/SWAYAM/NPTEL/NDL	https://tmaespolytechnichpt.com/important-links/

Budget Allocation, Utilization, and Public Accounting at Institute level (10)

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

TABLE-Consolidated budget received -Expenditure in CFY,CFYm1,CFYm2,CFYm3

Item	Budget in CFY 2022-23	Actual Expense in CFY 2022-23	Budget in CFY 2021-22	Actual Expense in CFY 2021-22	Budget in CFY 2020-21	Actual Expense in CFY 2020-21
Infrastructure Built-Up	70,000	65,086	75,000	50,000	1,40,000.00	1,36,198.00
Library	70,000	64,000	75,000	53,400		Nil
Laboratory Equipment	7,50,000	7,24,689	2,50,000	2,49,739	3,70,000.00	3,64,531.00
Laboratory Consumables	4,00,000	3,81,072	3,40,000	3,39,470	60,000.00	56,373.00
Teaching and Non Teaching Staff Salary	143000000	142825062	13,66,00,000	13,65,48,371	11,46,50,000.00	11,46,33,212.00
Maintenance and Spares	10,50,000	10,35,354	9,17,000	9,16,932	6,80,000.00	6,77,803.00
R & D				Nil		Nil
Training and travel	2,00,000	1,75,701	30,000	26,960	35,000.00	30,470.00
Miscellaneous expenditure	110000	1,00,534	75000	73,713	65,000.00	62,295.00
others/Specify			39,00,000	38,38,083	46,20,000.00	46,13,766.00
Total	**14,56,50,000**	**14,53,71,498**	**14,22,62,000**	**14,20,96,668**	**12,06,20,000.00**	**12,05,74,648.00**

Table 1 – CFYm1 2022-23

Total Income in CFY			***Actual expenses in CFY***			***Total no. of Students in CFY(1120)***
Fee	*Govt. Grants*	*Any other Sources*	*Recurring including Salaries*	*Non-Recurring*	*Special Projects/Any other specify*	*Expenses per student*
1,15,09,959.00	**13,76,58,118.00**	**2,75,692.00**	**15,04,05,841.00**	**8,67,899.00**	**Nil**	**12,157.00**

Table 2 – CFYm2 2021-22

Total Income in CFY			***Actual expenses in CFY***			***Total no. of Students in CFY(1091)***
Fee	*Govt. Grants*	*Any other Sources*	*Recurring including Salaries*	*Non-Recurring*	*Special Projects/Any other specify*	*Expenses per student*
1,03,29,409.00	**13,11,13,647.00**	**2,51,460.00**	**14,16,40,282.00**	**2,64,425.00**	**Nil**	**9,891.00**

Table 3 – CFYm3 2020-21

Total Income in CFY			***Actual expenses in CFY***			***Total no. of Students in CFY(999)***
Fee	*Govt. Grants*	*Any other Sources*	*Recurring including Salaries*	*Non-Recurring*	*Special Projects/Any other specify*	*Expenses per student*
88,18,408.00	**11,05,82,250.00**	**2,58,680.00**	**12,00,73,919.00**	**5,00,729.00**	**Nil**	**10002.00**

Adequacy of Budget Allocation

The Budget proposal for the academic year is prepared by the individual departments as per the guidelines by TMAE Society and Principal office. The collective budget proposals are scrutinized by the budget committee at the college level and further taken to governing council and management council for approval and sanction. Once it is sanctioned, the Principal will issue the budget order accordingly. The budget allocation and utilization for the last three years are adequate.

Utilization of allocated funds

Utilization of allocated fund during 2020-23

YEAR	2022-23	2021-22	2020-21
Utilization of the Budget (%)	96.25	89.50	98.00

Availability of the audited statements on the institute's website

Audited statements for the financial years 2018-19, 2019-20, 2020-21, 2021-22 are available in our institute website

URL: https://tmaespolytechnichpt.com/mandatory-disclosures/

Department Specific Budget Allocation, Utilization

Budget will be allocated to every department at the beginning of the academic year based on the estimation submitted by the concerned HOD. It will be sanctioned after the approval from the management.

Table 1: CFY 2022-23

Total Budget: 90000		Actual expenditure (till…): 86626	
Non Recurring	Recurring	Non Recurring	Recurring
5000	85000	2714	83912

Table 2: CFYm1 2021-22

Total Budget 32000		Actual expenditure (till…): 28649	
Non Recurring	Recurring	Non Recurring	Recurring
25000	7000	22055	6594

Table 3: CFYm2 2020-21

Total Budget 16500		Actual expenditure (till…): 6370	
Non Recurring	Recurring	Non Recurring	Recurring
10000	6500	--	6370

Table 4: CFYm3 2019-20

Total Budget 16000		Actual expenditure (till…): 5629	
Non Recurring	Recurring	Non Recurring	Recurring
10000	6000	--	5629

Adequacy of Budget Allocation (2)

The adequate budget will be sanctioned by the management for the purchase of equipments and consumables at the beginning of every financial year. The principal calls for indent from each department. The HODs meeting will be called by the principal to discuss about budget availability and the requirements for the academic year. A consolidated report will be prepared by the principal after the meeting and the same will be forwarded to the management. The management will scrutinize the budget requirement and a sanction letter will be sent to the principal

Utilization of allocated funds (3)

Year	Non-Recurring Budget		Recurring Budget		Utilization	
	Sanctioned	Expenditure	Sanctioned	Expenditure	Non-Recurring	Recurring
2020-21	10000	0	6500	6370	0	98.0%
2021-22	25000	22055	7000	6594	88.2%	94.2%
2022-23	5000	2714	85000	83912	54.3%	98.7%

Library and Internet (20)

(It is assumed that zero deficiency report was received by the institution, Effective availability and utilization to be demonstrated)

Quality of learning resources (hard/soft) (10)

Our institute library has sufficient number of books, Journals, Technical Magazines; E-Books are available in Digital Library (Language Lab). Our faculty members are registered with NDL. Students are insisted to get registered to NDL.

The details of Books & Journals availability is given below:

Department	Titles	Volumes
Automobile	188	950
Comp Science	1002	4156
Civil	637	3583
E & C	886	4826
E & E	393	2160
Mechanical	856	6207
Metallurgy	48	291
Mining	83	492
Science	287	2223
General	84	125
Total	**4469**	**25113**

List of Journals available in the Library:

Sl. No.	Title of Journal
1	Indian Journal of Information Sciences and Computer Application
2	Indian Journal of Mechanics and Thermodynamics
3	Indian Journal of Physics and Applications
4	Indian Journal of Materials in Civil Engineering
5	Advances in Wireless and Mobile Communications
6	Indian Journal of Advances in Electrical Engineering
7	Indian Journal of Modern Automobile Engineering
8	Indian Journal of Civil Mechanical Engineering
9	Indian Journal of Production and Quality Testing
10	Indian Journal of Automobile Engineering
11	Indian Journal of Construction Engineering and Technology
12	Indian Journal of Mechatronics
13	Indian Journal of Simulation and Wireless Communication
14	Indian Journal of Modern Software Engg.
15	Indian Journal of Networks and Applications
16	Indian Journal of Materials Physics

Internet (10)

Name of the Internet provider	BSNL FTTH
Available band width	up to 100Mbps
Wi-Fi availability	YES
Internet access in labs and office	YES
Security arrangements	YES

Institutional Contribution to the Community Development (5)

We have NSS wing the institute and our NSS Coordinators will identify few villages and along with volunteers organize various community development and awareness programs at identified villages regularly. These programs will be organized in every semester with the active participation of students and NSS volunteers. There will be one special camp every year. The major objective of the program is to create awareness among public regarding cleanliness, plantation, health care etc.,

Photographs below through some lights on various activities organized under NSS camp.

Various other community development programs will be organized in every semester shown below:

1) Plantation Program:

2) National Voters Day Oath taking program

3) General Health Checkup Camp for staff & Students

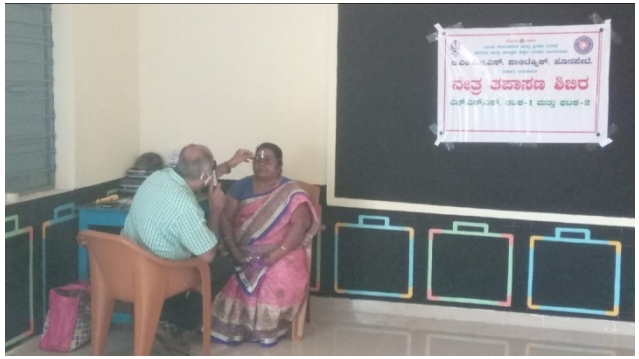
4) Covid Vaccination Program at the institute with the support of Local Health Dept:

5) Covid Test (Rapid Test) Program to follow the SOP Guidelines given by Health Dept

6) Participation in Road Safety week organized by Department of Traffic Police, Hosapete


7) Free Eye Checkup Camp for the public.





8) National Youth day celebration


INDUCTION PROGRAM FOR FIRST SEMESTER STUDENTS OF THE ACADEMIC YEAR 2023-24

YOGA & MEDITATION

SEMINAR ON PERSONAL HEALTH CARE FOR GIRLS

STUDENTS ATTENDING LECTURE ON “SANKALPANA -2047”


SECOND SEMESTER STUDENTS AND STAFF ATTENDED THE PROGRAM ON ACCOUNT OF 161ST BIRTHDAY OF SWAMY VIVEKANANDA
OUR STUDENT GOT SECOND PRIZE IN SPEECH COMPETITION ON PERSONALITY DEVELOPMENT


Alumni Performance and Connect

Alumni Committee has been constituted having following staff members

Sl. No.	Name	Designation	Role in Alumni Committee
1	Dr. H K Shankarananda	Principal	Secretary
2	Sri. T L Yogananda	I/c HOD, MN/MT	Joint Secretary
3	Sri. N Mahesh Kumar	HOD/EC Dept	Coordinator/Treasurer
5	Sri. Shankar Babu	Lecturer/CE Dept	Member
6	Sri. Gavisiddappa	Sl. Gr. Lecturer/ME Dept	Member
7	Sri. S S Siriyannavar	Sl. Gr. Lecturer/AT Dept	Member
8	Smt. Rekha M	Sl. Gr. Lecturer/EC Dept	Member

Several activities organized in coordination with alma mater both offline & online

Alumni connect activity is done through social media platform. Meetings will be organized to discuss about academic progress.

Declaration

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

I undertake that, the institution is well aware about the provisions in the NBA's accreditation manual concerned for this application, rules, regulations, notifications and NBA expert visit guidelines in force as on date and the institutes 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 will be initiated by the NBA. In case, any false statement/information is observed during pre-visit, visit, post visit and subsequent to grant of accreditation.

Head of the Institute
Name: Dr. H K SHANKARANANDA
Designation: PRINCIPAL

Signature:

Seal of the Institution:

Place: HOSPET
Date: 01-02-2024