2.6.2 Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution.
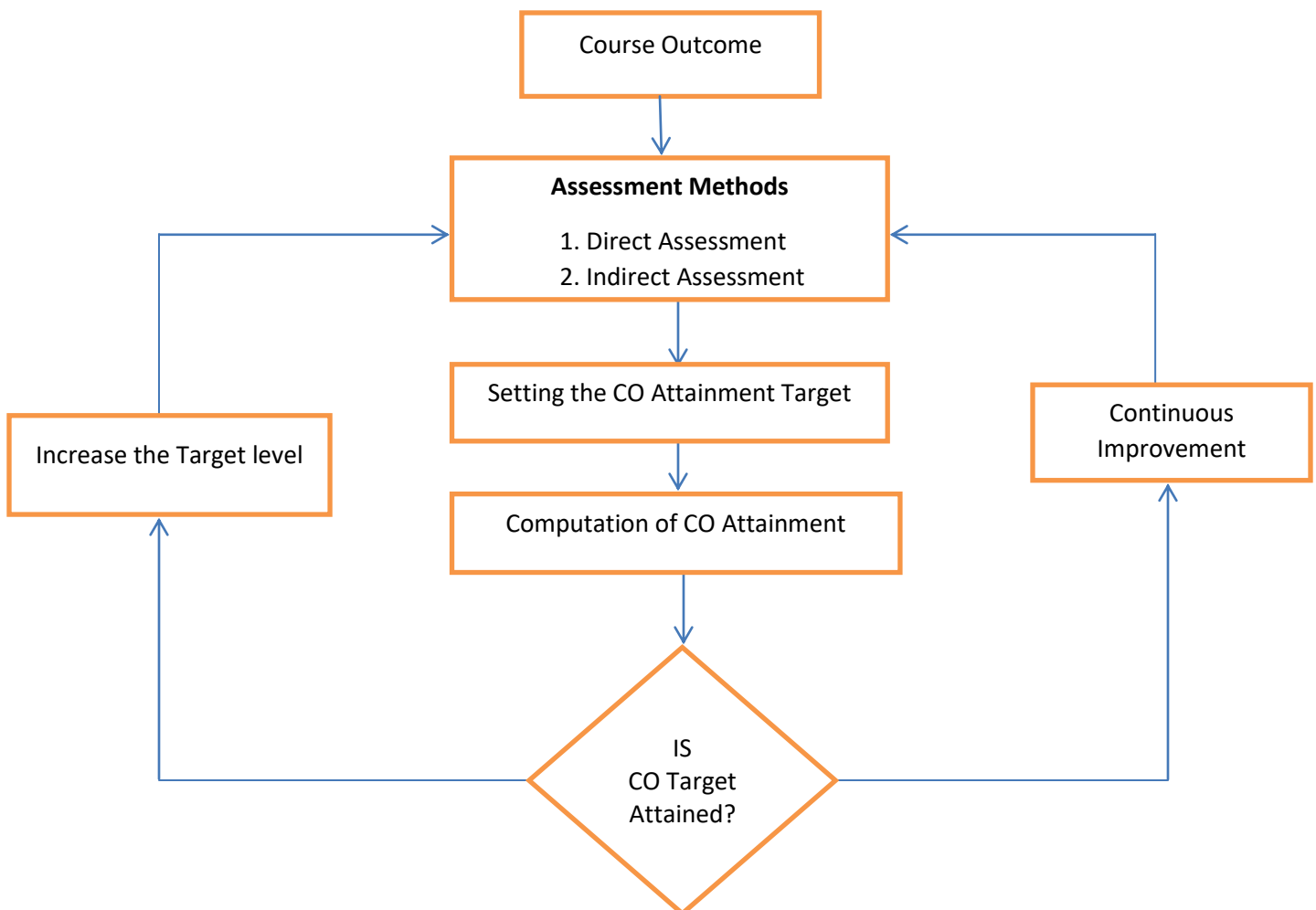
The curriculum of the program is designed with core and elective courses by considering Vision, Mission, Program Educational Objectives, Program Outcomes, Program Specific Outcomes and requirement of stake holder.

Course Outcomes(CO) are statements that are framed in the view of what the students are expected to attain at the end of the course. Each course has 1-5 outcomes depending on its significance which are mapped to the Program Outcomes and Program Specific Outcomes.

Attainment of COs of the Course:

To attain the course outcome for the course, faculty members use direct assessment tools and indirect assessment tools as assessment methods.

The direct assessment method includes Continuous Internal Assessment Tests and Co-Curricular Components consists of assignments, Quiz and Presentation, etc. Indirect attainment can be determined from the course exit survey. The course exit survey permits receiving feedback from students on individual COs.

```
                    ┌─────────────────────┐
                    │   Course Outcome    │
                    └──────────┬──────────┘
                               ↓
        ┌──────────────────────────────────────────┐
        │           Assessment Methods              │
   ───→ │         1. Direct Assessment              │ ←───
        │         2. Indirect Assessment            │     │
        └──────────────────┬────────────────────────┘     │
   │                       ↓                               │
   │          ┌─────────────────────────────────┐         │
   │          │  Setting the CO Attainment Target│   ┌────────────────┐
┌──────────────┐         ↓                          │  Continuous    │
│ Increase the │ ┌─────────────────────────────────┐│  Improvement   │
│ Target level │ │ Computation of CO Attainment    ││                │
└──────────────┘ └──────────────┬──────────────────┘└────────────────┘
   ↑                            ↓                            ↑
   │                    ◇ IS CO Target Attained? ◇ ──────────┘
   └─────────────────────┘
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Attainment of Program Outcomes and Program Specific Outcomes:

A correlation is established between COs and POs and COs and PSOs on the scale of 1 to 3, 1 being low correlation, 2 being moderate correlation and 3 being high correlation. If the course outcomes are attained, the POs correlated to these course outcomes are also attained.

The Assessment tools for Program Outcomes and Program Specific Outcomes are Direct and Indirect assessment methods. Direct assessment tools shows the knowledge and skills of the students based on their performance in seminars, assignments and examinations etc., which are based on the questions that relate to the specific Course Outcomes of the course. As Cos are mapped with POs and PSOs, the direct assessment tools used for COs can also be used for assessing POs and PSOs. Assessment of POs and PSOs can also be measured through indirect assessment tools. The course exit survey is taken at the end of the semester for each course.

The evaluation of attainment of POs and PSOs is obtained through the attainment of COs for all the courses.

SENGUNTHAR ENGINEERING COLLEGE

(AUTONOMOUS)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)
Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956
NAAC Accredited with 'A' Grade
TIRUCHENGODE - 637 205 NAMAKKAL (Dt) TAMILNADU

ATTAINMENT OF COURSE OUTCOMES

ACADEMIC YEAR : 2021-2022

S.No.	Semester	Subject Code	Subject Name	CO1	CO2	CO3	CO4	CO5	CO6	CO7
Department of Civil Engineering
1	I	19HST101	Communicative Techno English - I	2.61	2.42	2.45	2.61	2.59		
2	I	19MAT101	Engineering Mathematics I	3.85	3.90	3.90	3.95	3.90		
3	I	19CYE101	Engineering Chemistry	3.08	3.07	3.21	3.21	3.18	3.19	
4	I	19PHE101	Engineering Physics	3.62	3.65	3.66	3.66	3.65	3.65	
5	I	19GET101	Engineering Graphics	2.72	2.90	2.98	2.96	2.97		
6	I	19GEE101	Computer Fundamentals and Python Programming	3.42	3.45	3.46	3.46	3.45	3.45	
7	III	19MAT301	Transforms and Partial Differential Equations	2.79	2.51	2.73	2.94	2.94		
8	III	19CET302	Applied Geology	1.94	1.66	1.89	1.78	1.77		
9	III	19CET303	Construction Materials	1.87	1.54	1.79	1.84	1.83		
10	III	19CET304	Solid Mechanics	1.84	1.61	1.91	2.02	2.01		
11	III	19CEE301	Engineering Survey	3.95	3.96	4.02	3.95	3.93	3.98	
12	III	19CEE302	Fluid Mechanics & Flow measurements	3.15	3.01	3.22	3.25	3.24	3.49	
13	VII	CE8701	Estimation Costing and Valuation Engineering	4.14	4.31	4.43	4.56	4.55		
14	VII	CE8702	Railways, Airports, Docks and Harbour Engineering	4.19	4.21	4.25	4.48	4.47		
15	VII	CE8703	Structural Design and Drawing	4.20	4.17	4.16	4.19	4.18		
16	VII	CE 8512	Design of Prestressed Concrete Structures	4.84	4.69	4.54	4.66	4.65		
17	VII	OML751	Testing of Materials	4.09	4.00					
18	VII	CE8711	Creative and Innovative Project	4.89						
19	VII	CE8712	Industrial Training	4.99						
Department of Computer Science and Engineering
1	I	19HST101	Communicative Techno English - I	4.15	4.19	4.29	4.28	4.27		
2	I	19MAT101	Engineering Mathematics I	3.74	3.75	3.77	3.71	3.73		
3	I	19CYE101	Engineering Chemistry	4.00	4.00	3.95	3.98	4.02	4.01	
4	I	19PHE101	Engineering Physics	4.22	4.22	4.20	4.23	4.28	4.27	
5	I	19GET101	Engineering Graphics	2.98	3.16	3.13	3.18	3.12		

6	I	19GEE101	Computer Fundamentals and Python Programming	4.09	4.09	4.14	4.17	4.16	4.15
7	III	19MAT301	Transforms and Partial Differential Equations	4.65	4.64	4.64	4.64	4.63	
8	III	19CST301	Data Structure	3.46	3.70	3.78	3.78	3.77	
9	III	19CST302	Computer Organization and Architecture	4.42	4.39	4.41	4.39	4.41	
10	III	19ECT302	Analog and Digital Communication	3.58	3.64	3.74	3.74	3.73	
11	III	19CSE301	Object Oriented Programming	2.78	2.77	2.76	2.77	2.77	4.52
12	III	19ECE301	Digital Electronics	3.99	4.10	3.97	3.96	3.98	3.51
13	V	19CST501	Artificial Intelligence	4.80	4.81	4.82	4.72	4.71	
14	V	19CST502	Theory of Computation	4.32	4.26	4.37	4.49	4.51	
15	V	19CST503	Resource Management Techniques	4.70	4.72	4.80	4.81	4.81	
16	V	19CSE501	Computer Networks	4.06	3.88	4.18	4.20	4.22	3.82
17	V	19CSE502	Object Oriented Analysis and Design	4.77	4.79	4.77	4.78	4.79	4.77
18	V	19MGT501	Engineering Economics and Management	3.72	3.67	3.70	3.53	3.53	
19	VII	19CST701	Principle of Management	2.56					
20	VII	19CSE701	Cryptography and Network Security	4.26	4.24	4.16	4.16	4.17	
21	VII	19CSE702	Cloud Computing	4.59	4.57	4.58	4.62	4.63	
22	VII	OME752	supply Chain Management	4.65	4.68	4.67	4.66	4.65	
23	VII	CS8091	Big Data Analytics	4.44	4.50	4.57	4.68	4.67	
24	VII	CS8088	Wireless Adhoc and Sensor Networks	4.18	4.18	4.18	4.70	4.61	
25	VII	CS8711	Cloud Computing Laboratory	4.61	4.59	4.58	4.59	4.58	
26	VII	IT8761	Security Laboratory	4.97	4.98	4.98	4.97	4.96	
Department of Electrical and Electronics Engineering									
1	I	19HST101	Communicative Techno English - I	4.10	4.08	4.18	4.16	4.16	
2	I	19MAT101	Engineering Mathematics - I	3.58	3.53	3.63	3.67	3.63	
3	I	19CYE101	Engineering Chemistry	4.17	4.16	4.17	4.17	4.13	4.15
4	I	19PHE101	Engineering Physics	4.23	4.24	4.27	4.28	4.27	4.25
5	I	19GET101	Engineering Graphics	3.01	2.92	2.91	3.07	3.02	
6	I	19GEE101	Computer Fundamentals and Python Programming	4.86	4.87	4.85	4.86	4.80	4.78
7	III	19MAT301	Transforms and Partial Differential Equations	1.79	1.82	1.82	1.83	1.83	
8	III	19EET301	Electromagnetic Theory	3.85	3.87	3.88	3.84	3.87	
9	III	19EET302	Linear Integrated Circuits	4.75	4.56	4.50	4.58	4.58	
10	III	19EEE301	Analog Electronics and Circuits	2.89	2.87	2.93	2.91	2.93	2.75
11	III	19ECE301	Digital Electronics	1.97	1.95	2.00	2.00	1.98	
12	III	19CSE302	Programming in C and C++	2.36	2.35	2.34	2.40	2.40	2.42
13	V	19EET501	Microprocessors and Microcontrollers	4.96	4.97	4.98	4.95	4.97	

14	V	19EET502	Power System Analysis	4.94	4.93	4.97	4.98	4.97	
15	V	19EEE501	Power Electronics and Applications	4.73	4.77	4.83	4.81	4.83	4.82
16	V	19EEE502	Induction and Synchronous Machines	4.72	4.72	4.71	4.63	4.64	4.73
17	V	19EEPX02	Design of Electrical Apparatus	4.75	4.56	4.50	4.58	4.58	
18	V	19ECOX02	Internet of Things	4.49	4.42	4.48	4.58	4.56	
19	VII	EE8701	High Voltage Engineering	4.31	4.75	4.58	4.30	4.58	4.57
20	VII	EE8702	Power System Operation and Control	4.65	4.65	4.62	4.54	4.70	4.70
21	VII	EE8703	Renewable Energy Systems	4.77	4.78	4.76	4.76	4.76	4.74
22	VII	OBT751	Analytical Methods and Instrumentation	4.83	4.81	4.85	4.85	4.74	4.72
23	VII	EI8075	Fibre Optics and Laser Instrumentation	4.83	4.80	4.78	4.81		
24	VII	GE8077	Total Quality Management	4.88					
25	VII	EE8711	Power System Simulation Laboratory	4.68	4.69	4.71	4.68	4.69	4.70
26	VII	EE8712	Renewable Energy Systems Laboratory	4.83	4.82	4.84	4.81	4.82	4.83
Department of Electronics and Communication Engineering									
1	I	19HST101	Communicative Techno English-I	4.44	4.42	4.51	4.44	4.44	
2	I	19MAT101	Engineering Mathematics -I	2.39	2.5	2.48	2.53	2.48	
3	I	19CYE101	Engineering Chemistry	4.43	4.43	4.35	4.38	4.47	4.46
4	I	19PHE101	Engineering Physics	4.31	4.31	4.26	4.29	4.35	4.35
5	I	19GET101	Engineering Graphics	3.31	3.33	3.33	3.25	3.2	
6	I	19GEE101	Computer Fundamentals and Python Programming	4.83	4.83	4.83	4.86	4.83	4.82
7	III	19MAT301	Transforms and Partial Differential Equations	3.57	3.48	3.58	3.57	3.57	
8	III	19EET304	Circuit Theory	4.62	4.62	4.61	4.62	4.61	
9	III	19ECT301	Signals and Systems	3.21	3.38	3.38	3.45	3.44	
10	III	19ECE301	Digital Electronics	3.25	3.26	3.34	3.3	3.27	
11	III	19ECE302	Electronic Circuits	4.99	4.97	4.97	4.98	4.98	4.96
12	III	19CSE303	Data structures using C	3.91	3.85	3.97	3.98	3.98	3.84
13	V	19ECT501	Transmission Lines and Waveguides	4.99	4.97	4.97	4.99	4.98	
14	V	19ECT502	Soft Computing	4.96	4.96	4.97	4.97	4.97	
15	V	19ECE502	Digital Signal Processing	4.97	4.97	4.98	4.97	4.96	4.98
16	V	19ECE503	Microprocessor and Microcontroller	4.98	4.98	4.97	4.98	4.98	4.95
17	V	19ECPX01	Medical Electronics	4.95	4.95	4.96	4.95	4.96	
18	V	19MEX04	Principles of Management	4.98	4.97	4.97	4.96	4.96	
19	VII	EC8701	Antennas and Microwave Engineering	4.97	4.94	4.88			
20	VII	EC8751	Optical Communication	4.97	4.94	4.96	4.98	4.98	
21	VII	EC8791	Embedded and Real time systems	4.98	4.9	4.89	4.97		

22	VII	EC8702	Adhoc and Wireless Sensor Networks	4.98	4.94	4.93	4.97	4.97	
23	VII	EC8092	Advancd Wireless Communication(PE-III)	4.98	4.97	4.98			
24	VII	OCH752	Energy Technology(OE-II)	4.98					
25	VII	EC8711	Embedded Laboratory	4.93	4.94	4.93	4.97	4.97	
26	VII	EC8761	Advanced Communication Laboratory	4.93	4.94	4.93			
Department of Mechanical Engineering									
1	I	19HST101	Communicative Techno English - I	3.59	3.57	3.56	3.37	3.38	
2	I	19MAT101	Engineering Mathematics I	3.92	4.02	3.97	4.02	3.97	
3	I	19CYE101	Engineering Chemistry	2.94	2.97	2.92	2.92	2.82	2.85
4	I	19PHE101	Engineering Physics	3.43	3.46	3.42	3.41	3.31	3.34
5	I	19GET101	Engineering Graphics	2.18	2.22	2.23	1.80	1.81	
6	I	19GEE101	Computer Fundamentals and Python Programming	4.27	4.31	4.26	4.26	4.10	4.13
9	III	19MAT301	Transforms and Partial Differential Equations	4.03	3.96	4.03	3.99	3.99	
10	III	19MET301	Engineering Thermodynamics	1.75	1.49	1.47	2.22	2.23	
11	III	19MET302	Kinematics of Machinery	2.55	2.44	2.53	2.57	2.56	
12	III	19EET303	Electrical Drives and Control	3.95	4.03	3.96	3.96	3.94	
13	III	19MEE301	Manufacturing Technology - I	2.65	2.68	2.68	2.68	2.66	3.16
14	III	19MEE302	Fluid Mechanics and Machinery	3.00	2.97	3.01	3.05	3.04	3.61
17	V	19MET501	Automobile Engineering	4.08	4.00	4.25	3.83	3.83	
18	V	19MET502	Design of Machine Elements	4.88	4.85	4.81	4.79	4.79	
19	V	19MET503	Power Plant Engineering	4.15	4.21	4.16	4.12	4.12	
20	V	19MEE501	Heat and Mass Transfer	4.48	4.57	4.58	4.60	4.59	4.57
21	V	19MEE502	Metrology and Measurements	1.83	1.80	1.82	1.82	1.82	1.89
22	V	19MEPX05	Non-Destructive Test and Evaluation of Materials	4.91	4.90	4.94	4.98	4.90	
23	VII	ME8792	Power Plant Engineering	4.62	4.63	4.63	4.62	4.61	
24	VII	ME8793	Process Planning and Cost Estimation	4.78	4.79	4.79	4.77	4.78	
25	VII	ME8791	Mechatronics	3.99	3.99	3.98	3.93	3.92	
26	VII	OIE751	Robotics	4.82					
27	VII	GE8077	Total Quality Management	3.96					
28	VII	ME8097	Non Destructive Testing and Evaluation	3.90	3.94	3.98	3.84	3.83	
29	VII	ME8711	Simulation and Analysis Laboratory	4.92	4.93	4.93			
30	VII	ME8781	Mechatronics Laboratory	4.79	4.79				
31	VII	ME8712	Technical Seminar	4.95	4.95				

ACADEMIC YEAR : 2021-2022

			Department of Civil Engineering							
1	II	19HST201	Communicative Techno English - II	2.82	2.77	2.79	2.84	2.82		
2	II	19CYT201	Environmental Science and Engineering	3.87	3.83	3.85	3.87	3.86		
3	II	19MAT201	Engineering Mathematics II	3.37	3.28	3.38	3.38	3.38		
4	II	19PHT201	Physics of Materials	3.87	3.83	3.85	3.87	3.86		
5	II	19GEE202	Basic Electrical and Electronics Engineering	3.91	3.91	3.90	3.91	3.92	3.92	
6	II	19MET201	Engineering Mechanics	2.98	2.94	3.20	3.12	3.12		
7	IV	19MAT403	Numerical Methods	3.48	3.48	3.49	3.49	3.48		
8	IV	19CET402	Construction Techniques, Equipment and Practice	4.28	4.30	4.32	4.34	4.36		
9	IV	19CET403	Applied Hydraulic Engineering	4.23	4.21	4.19	4.21	4.22		
10	IV	19CET404	Highway Engineering	4.28	4.30	4.28	4.32	4.29		
11	IV	19CEE401	Strength of Materials	4.18	4.19	4.20	4.21	4.22	4.23	
12	IV	19CEE402	Soil Mechanics	4.08	4.07	4.08	4.08	4.07	4.10	``
13	VIII	CE6016	Prefabricated Structures	4.57	4.54	4.53	4.53	4.55		
14	VIII	CE8091	Hydrology and Water Resources Engineering	3.73	3.72	3.71	3.72			
15	VIII	CE8711	Project Work	4.97						
			Department of Computer Science and Engineering							
1	II	19HST201	Communicative Techno English - II	4.14	4.13	4.13	4.13	4.14		
2	II	19CYT201	Environmental Science and Engineering	4.60	4.33	4.36	4.47	4.59		
3	II	19MAT201	Engineering Mathematics II	4.52	4.51	4.51	4.53	4.52		
4	II	19PHT201	Physics of Materials	4.36	4.35	4.35	4.37	4.36		
5	II	19MET201	Engineering Mechanics	4.91	4.90	4.91	4.90	4.91		
6	II	19CSE201	C Programming	4.57	4.58	4.57	4.56	4.56	4.56	
7	IV	19MAT401	Probability and Queueing Theory	4.64	4.65	4.65	4.64	4.63		
8	IV	19CST401	Design and Analysis of Algorithms	4.28	4.16	4.19	4.25	4.25		
9	IV	19CST402	Operating Systems	4.86	4.86	4.85	4.84	4.86		
10	IV	19CST403	Software Engineering	4.92	4.92	4.92	4.92	4.92		
11	IV	19CSE401	Database Management Systems	4.72	4.74	4.72	4.73	4.74	4.22	
12	IV	19ECE403	Microprocessors and Microcontrollers	4.97	4.98	4.98	4.97	4.96	4.98	
13	VI	19CST601	Machine Learning Techniques	4.63	4.63	4.62	4.66	4.65		
14	VI	19CST602	Compiler Design	4.76	4.76	4.76	4.76	4.76		
15	VI	19CSE601	Mobile Computing	4.3	4.29	4.21	4.2	3.92	3.92	
16	VI	19CSE602	Internet Programming	3.12	3.11	3.11	3.11	3.12	4.92	
17	VI	19CSPX01	Dataware housing and Mining	4.80	4.78	4.80	4.80	4.80		
18	VI	19CEOX05	Air and Noise Pollution Controll	4.63	4.63	4.64	4.65	4.63		

#	Sem	Code	Course							
19	VI	19CSJ601	Mini Project work	4.99						
20	VIII	IT8073	Information Security	4.69	4.71	4.70	4.70	4.70		
21	VIII	CS8080	Information Retrival Techniques	3.35	3.34	3.34	3.34			
22	VIII	CS8811	Project work	4.90						
Department of Electrical and Electronics Engineering										
1	II	19HST201	Communicative Techno English - II	3.83	3.83	3.86	3.86	3.86		
2	II	19CYT201	Environmental Science and Engineering	3.70	3.65	3.67	3.66	3.66		
3	II	19MAT201	Engineering Mathematics - II	4.68	4.58	4.68	4.68	4.68		
4	II	19PHT202	Solid State Physics And Nano Electronic Devices	4.17	4.13	4.15	4.13	4.14		
5	II	19GET203	Basic Civil and Mechanical Engineering	4.92	4.91	4.93	4.91	4.91		
6	II	19EEE201	Circuit Theory	4.83	4.83	4.81	4.83	4.83	4.83	
7	IV	19MAT403	Numerical Methods	3.99	3.99	4.00	3.99	3.99		
8	IV	19EET401	Electrical and Electronic Measurements	4.75	4.56	4.50	4.58	4.58		
9	IV	19EET402	Generation, Transmission and Distribution	3.79	3.79	3.79	3.79	3.79	3.79	3.79
10	IV	19ECT404	Discrete Time System and Signal Processing	4.75	4.56	4.50	4.58	4.58		
11	IV	19EEE401	DC Machines and Transformers	4.67	4.66	4.66	4.65	4.67	4.66	
12	IV	19EEE402	Control Systems Engineering	4.35	4.37	4.37	4.35	4.37	4.36	
13	VI	19EET601	Protection and Switchgear	4.30	4.28	4.29	4.30	4.28		
14	VI	19EET602	Electrical Drives	4.49	4.49	4.49	4.49	4.49		
15	VI	19EEE601	Embedded Controllers and Real Time Operating Sys	4.51	4.50	4.50	4.50	4.51	4.50	
16	VI	19EEE602	Power System Operation and Control	4.50	4.50	4.50	4.50	4.50	4.34	
17	VI	19EEPX09	Special Electrical Machines	4.30	4.28	4.29	4.30	4.28		
18	VI	19EEPX18	Fibre Optics and Laser Instruments	2.35	2.23	2.17	2.35	2.34		
19	VI	19EEPX22	Microcontroller Based System Design	5.00	4.99	4.99	5.00	5.00		
20	VIII	EE8015	Electric Energy Generation, Utilization and Conserva	3.57	3.55	3.56	3.58	3.56	3.55	
21	VIII	EE8018	Microcontroller Based System Design	3.46	3.45	3.45	3.47	3.45	3.44	
22	VIII	EE8811	Project Work	4.98						
Department of Electronics and Communication Engineering										
1	II	19HST201	Communicative Techno English-II	4.32	4.31	4.34	4.34	4.35		
2	II	19CYT201	Environmental Science and Engineering	3.96	3.95	3.97	3.95	3.96		
3	II	19MAT201	Engineering Mathematics-II	4.64	4.69	4.64	4.69	4.64		
4	II	19PHT202	Solid State Physics and Nano Electronic Devices	3.95	3.95	3.97	3.95	3.96		
5	II	19GET203	Basic Civil and Mechanical Engineering	4.91	4.92	4.91	4.91	4.91		
6	II	19ECE201	Electronic Devices	4.83	4.82	4.81	4.83	4.83	4.83	
7	IV	19MAT402	Probability and Random Processes	4.06	4.16	4.06	4.04	4.04		

No	Sem	Code	Course							
8	IV	19ECT401	Electromagnetic Fields	3.83	3.82	3.82	3.82	3.81		
9	IV	19ECT402	Measurements and Instrumentation	4.94	4.96	4.98	4.97	4.99		
10	IV	19EET403	Control System Engineering	4.04	4.04	4.04	4.05	4.05		
11	IV	19ECE401	Communication Theory	4.89	4.89	4.9	4.89	4.88	4.9	
12	IV	19ECE402	Linear Integrated Circuits	4.32	4.32	4.32	4.32	4.34	4.35	
13	VI	19ECT601	Antennas and Wave Propagation	4.99	4.97	4.98	4.99	4.98		
14	VI	19ECT602	Wireless Communication	4.99	4.94	4.94	4.98	4.96		
15	VI	19ECT603	Communication Networks	4.57	4.57	4.61	4.62	4.6		
16	VI	19ECE601	VLSI Design	4.97	4.98	4.98	4.99	4.98	4.96	
17	VI	19ECE602	Digital Communication	4.96	4.9	4.92	4.97	4.99	4.98	
18	VI	19ECPX07	Computer Architecture	4.95	4.95	4.94	4.95	4.96		
19	VI	19ECJ601	Mini Project	4.97						
20	VIII	EC8094	Satellite Communication	4.59	4.59	4.59	4.61			
21	VIII	GE8076	Professional Ethics in Engineering	4.95						
22	VIII	EC8811	Project Work	4.98						
Department of Mechanical Engineering										
1	II	19HST201	Communicative Techno English - II	4.12	4.12	4.12	3.99	3.98		
2	II	19CYT201	Environmental Science and Engineering	3.87	3.83	3.85	3.87	3.86		
3	II	19MAT201	Engineering Mathematics II	4.36	4.46	4.41	4.46	4.41		
4	II	19PHT201	Physics of Materials	4.42	4.38	4.40	4.39	4.39		
5	II	19GEE202	Basic Electrical and Electronics Engineering	4.72	4.72	4.71	4.72	4.73	4.73	
6	II	19MET201	Engineering Mechanics	3.88	3.87	3.90	3.78	3.79		
7	IV	19MAT404	Statistics and Numerical Methods	4.03	3.96	4.03	3.99	3.99		
8	IV	19MET401	Engineering Metallurgy	4.91	4.91	4.93	4.89	4.90		
9	IV	19MEE401	Thermal Engineering	2.47	2.38	2.37	2.45	2.46	3.01	
10	IV	19MEE402	Strength of Materials	2.43	2.33	2.31	2.39	2.41	2.42	
11	IV	19MEE403	Composite Materials	2.77	2.70	2.64	2.80	2.81	3.80	
12	IV	19MEE404	Manufacturing Technology - II	2.55	2.50	2.52	2.55	2.52	3.07	
13	VI	19MET601	Finite Element Analysis	3.37	3.30	3.24	3.44	3.46		
14	VI	19MET602	Design of Transmission Systems	4.31	4.10	3.98	4.37	4.37		
15	VI	19MEE601	CAD/CAM	4.61	4.45	4.40	4.73	4.73	4.73	
16	VI	19MEE602	Dynamics of Machinery	4.63	4.67	4.65	4.98	4.97	4.97	
17	VI	19MEPX10	Professional Ethics in Engineering	4.15	4.21	4.16	4.12	4.12		
18	VI	19CEOX04	Renewable Energy Resources	3.87	3.68	3.56	3.79	3.81		
19	VI	19MEPX25	Computer Integrated Manufacturing Systems	4.61	4.62	4.63	4.61	4.62		

20	VIII	MG8591	Principles of Management	4.57					
21	VIII	ME8094	Computer Integrated Manufacturing Systems	2.17	2.11	2.06	2.15	2.16	
22	VIII	ME8811	Project Work	4.89					

PG PROGRAMMES

ACADEMIC YEAR : 2021-2022

M.E. COMPUTER SCIENCE AND ENGINEERING

1	I	21PCM101	Applied Mathematics for Computer Science	4.62	4.62	4.62	4.61	4.61	
2	I	21PGT101	Research Methodology and IPR	3.79	3.82	3.92	3.76	3.76	
3	I	21PCT101	Machine Learning Techniques	4.24	4.25	4.25	4.25	4.25	
4	I	21PCT102	Web Engineering	3.88	3.87	3.89	3.87	3.88	3.87
5	I	21PCE101	Advanced Data Structures and Algorithms	4.36	4.35	4.36	4.35	4.34	4.34
6	I	21PCP101	Advanced Databases	3.88	3.87	3.89	3.87	3.88	3.87
7	III	19PCP305	Software Quality Assurance Testing	4.24	4.25	4.24	4.24	4.24	
8	III	19PCP307	Embedded Software Development	4.58	4.59	4.59	4.62		
9	III	19PCP315	Information Storage Management	3.91	3.92	3.93			
10	III	19PCJ301	Project Work Phase -I	3.19					
11	II	21PCT201	Advanced Soft Computing	3.57	3.57	3.57	3.57	3.57	
12	II	21PCT202	Industrial IoT	4.29	4.29	4.29	4.29	4.29	
13	II	21PCE201	Data Science and Analytics	4.17	4.17	4.19	4.17	4.16	4.17
14	II	21PCP205	Software Architecture and Design	4.56	4.55	4.58	4.56	4.55	
15	II	21PCP210	Software Quality Assurance and Testing	4.53	4.54	4.53	4.53		
16	II	21PGO205	Digital Marketing	4.55	4.46	4.42	4.42	4.42	
17	II	21PEE201	Mini Project	5					
18	IV	21PJGJ401	Project Phase -II	2.74					

M.E. STRUCTURAL ENGINEERING

1	I	21PSM101	Advanced Mathematics for Structural Engineering	4.07	4.07	4.08	4.08	4.07	
2	I	21PGT101	Research Methodology and IPR	3.81	3.72	3.73	3.24	3.24	
3	I	21PST101	Applied Elasticity and Plasticity	4.52	4.53	4.52	4.53	4.52	
4	I	21PST102	Finite Element Analysis and Methods	4.51	4.50	4.51	4.50	4.52	
5	I	21PSE101	Experimental Techniques	4.01	4.13	4.03	4.01	4.00	3.77
6	I	21PSP103	Advances in Concrete Structures	4.51	4.49	4.47	4.49	4.51	
7	III	19PST301	Earthquake Analysis and Design of Structures	4.94	4.79	4.72	4.85	4.82	
8	III	19PSP302	Design of Sub Structures	4.75	4.80	4.93	4.96	4.93	
9	III	19PSP304	Design of Steel Concrete Composite Structures	4.85	4.83	4.85	4.86	4.85	
10	III	19PSJ301	Project Work Phase-I	4.99					

11	III	19PSE301	Practical Training-II	5.00					
12	III	19PSE302	Seminar	4.99					
13	II	21PST201	Advances in Steel Structures	4.19	4.21	4.21	4.19	4.21	
14	II	21PST202	Structural Dynamics and Seismic Design	4.05	4.05	4.05	4.05	4.05	
15	II	21PSE201	Advances in Concrete Technology	3.90	3.91	3.90	3.91	3.90	3.91
16	II	21PSP205	Pre-stressed Concrete Structures	4.30	4.32	4.36	4.36	4.37	
17	II	21PSP209	Computer Aided Design of Structures	4.22	4.23	4.22	4.23	4.23	
18	II	21PGO205	Digital Marketing	3.98	3.98	3.93	3.88	3.88	
19	II	21PEE201	Mini Project	4.72					
20	IV	19PSJ401	Project Work Phase-II	4.69					
21	IV	19PSE401	Practical Training-III	5.00					
M.E. VLSI DESIGN									
1	I	21PVM101	Graph Theory and Optimazation Techniques	4.42	4.42	4.43	4.43	4.42	
2	I	21PGT101	Resarch Methodology and IPR	4.19	4.12	4.21	3.8	3.8	
3	I	21PVT101	Device Modelling	4.97	4.99	4.16	4.98	4.96	
4	I	21PVT102	System Design Using FPGA	4.96	4.98	4.97	4.94	4.99	
5	I	21PVE101	CMOS Digital VLSI Design	4.97	4.98	4.98	4.99	4.98	4.96
6	I	21PVPX01	Low Power VSI Design	4.98	4.96	4.99	4.94	4.97	
7	III	19PVT301	Analog to Digital Interfaces	4.97	4.98	4.94	4.99	4.96	
8	III	19PVPX13	Selected Topics in ASIC Design	4.96	4.98	4.99	4.97	4.98	
9	III	19PVPX20	Selected Topics in IC Design	4.98	4.96	4.97	4.96	4.99	
10	III	19PVJ301	Project Work Phase-I	4.98					
11	II	21PVT201	Testing of VLSI Circuits	4.44	4.41	4.42	4.41	4.44	
12	II	21PVT202	CAD For VLSI Circuits	4.44	4.41	4.42	4.41	4.44	
13	II	21PVE201	Analog IC Design	4.43	4.44	4.44	4.45	4.44	4.42
14	II	21PVP201	VLSI Signal Processing	4.41	4.41	4.42	4.41	4.41	
15	II	21PVP208	Networks on Chip	4.44	4.44	4.42	4.41	4.42	
16	II	21PGO205	Digital Marketing	4.21	4.15	4.21	4.39	4.39	
17	II	21PEE201	Mini Project	4.7					
18	IV	19PVJ401	Project work phase-II	4.99					
MASTER OF BUSINESS ADMINISTRATION									
1	I	21BAT101	Economic Analysis For Business	2.91	2.90	2.91	2.93	2.91	
2	I	21BAT102	Principles of Management	3.05	3.03	3.05	3.10	3.10	
3	I	21BAT103	Accounting for Management	3.12	3.11	3.12	3.13	3.14	
4	I	21BAT104	Legal Aspects of Business	3.00	3.01	3.03	3.03	3.03	

5	I	21BAT105	Organizational Behaviour	2.96	2.96	2.97	3.00	3.00	
6	I	21BAT106	Statistics for Management	2.95	2.87	2.92	2.95	2.94	
7	I	21BAT107	Total Quality Management	3.16	2.97	2.98	3.03	2.98	
8	I	21BAE101	Spoken and Written Communication	3.41	3.40	3.41	3.45	3.46	
9	III	19BAT301	International Business Management	3.29	3.35				
10	III	19BAT302	Strategic Management	3.19					
11	III	19BATM04	Integrated Marketing Communication	3.06					
12	III	19BATM05	Retail Marketing	2.07					
13	III	19BATM06	Services Marketing	2.25					
14	III	19BATF04	Merchant Banking and Financial Services	2.35					
15	III	19BATF05	Security Analysis and Portfolio Management	2.43					
16	III	19BATF07	International Trade Finance	2.50					
17	III	19BATH01	Entrepreneurship Development	2.83					
18	III	19BATH02	Industrial Relations and Labour Welfare	2.73					
19	III	19BATH04	Managerial Behaviour and Effectivenes	2.38					
20	III	19BATO04	Project Management	2.79					
21	III	19BATO05	Services Operations Management	2.79					
22	III	19BATO06	Supply Chain Management	2.88					
23	II	21BAT201	Applied Operations Research	4.37	4.35	4.36	4.37	4.36	
24	II	21BAT202	Business Research Methods	4.20	4.20	4.20	4.20	4.20	
25	II	21BAT203	Financial Management	4.36	4.46	4.36	4.36	4.36	
26	II	21BAT204	Human Resource Management	4.64	4.65	4.65	4.64	4.65	
27	II	21BAT205	Information Management	4.50	4.51	4.50	4.51	4.51	
28	II	21BAT206	Operations Management	4.35	4.36	4.34	4.35	4.35	
29	II	21BAT207	Marketing Management	4.28	4.27	4.27	4.28	4.28	
30	II	21BAL201	Data Analysis and Business Modeling	3.91	3.90	3.90	3.91	3.91	3.91

SENGUNTHAR ENGINEERING COLLEGE
(AUTONOMOUS)
(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)
Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956
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TIRUCHENGODE – 637 205 NAMAKKAL (Dt) TAMILNADU
ATTAINMENT OF PROGRAM OUTCOMES

S.No.	Semester	Subject Code	Subject Name	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
			Department of Civil Engineering															
1	I	19HST101	Communicative Techno English - I						1.68	0.86	1.61	1.68	2.53		2.04		2.53	
2	I	19MAT101	Engineering Mathematics I	3.61	3.03	3.03	1.40			1.40		1.52				3.14		
3	I	19CYE101	Engineering Chemistry	1.74	1.69	2.51	1.32	1.57	1.06	2.06					1.55	3.16		1.04
4	I	19PHE101	Engineering Physics	3.65	3.65	1.20	1.20									2.21		1.20
5	I	19GET101	Engineering Graphics	2.91	1.55	2.14	2.34	2.91	2.32		2.91					2.91	0.96	2.91
6	I	19GEE101	Computer Fundamentals and Python Programming	3.45	`3.45	1.14	1.14									2.09		1.14
7	III	19MAT301	Transforms and Partial Differential Equations	2.20	1.84	1.30	1.13	0.94	0.88			0.90			0.97	2.30		0.92
8	III	19CET302	Applied Geology	1.05		0.59	0.78		0.88	0.78	0.64				0.59	0.72		
9	III	19CET303	Construction Materials	1.65	1.17	0.73										1.07		
10	III	19CET304	Solid Mechanics	1.36	1.12	1.10	1.24	1.33				1.08	1.24	0.91	0.85	1.60	1.00	0.61
11	III	19CEE301	Engineering Survey	2.84	2.40	2.29	2.62	2.61				2.10	2.62	2.10	1.75	3.29	1.97	1.31
12	III	19CEE302	Fluid Mechanics & Flow measurements	2.66	1.78	1.27	1.24	1.06							1.06	1.41	1.06	
13	VII	CE8701	Estimation Costing and Valuation Engineering	2.02	1.72				2.04	1.45			1.45			1.75	1.45	1.45
14	VII	CE8702	Railways, Airports, Docks and Harbour Engineering	2.77	1.38		2.77			1.38						1.38	1.38	
15	VII	CE8703	Structural Design and Drawing	2.20	3.89	3.61	4.18		1.93				2.21			3.32	1.93	
16	VII	CE 8512	Design of Prestressed Concrete Structures	3.71	2.15	1.52					3.71					2.30		
17	VII	OML751	Testing of Materials	2.01	1.35	3.36		4.04	2.67				1.33			2.67	1.33	
18	VII	CE8711	Creative and Innovative Project	4.89	1.62	1.62										1.62	1.62	
19	VII	CE8712	Industrial Training	4.99	1.65	1.65										1.65		
			Department of Computer Science and Engineering															
1	I	19HST101	Communicative Techno English - I						2.83	1.41	2.83	2.83	4.24		3.38		4.24	
2	I	19MAT101	Engineering Mathematics I	2.98	2.47	1.73	1.23	1.23	1.23	1.23	1.22	1.23	1.23	1.23	1.23	3.48	1.23	1.48
3	I	19CYE101	Engineering Chemistry	2.20	2.12	3.17	1.65	1.99	1.30	2.67					1.97	3.99		1.32
4	I	19PHE101	Engineering Physics	4.24	4.24	1.40	1.40									2.56		1.40
5	I	19GET101	Engineering Graphics	3.11	1.65	2.28	2.50	3.11	2.48		3.11					3.11	1.03	3.11
6	I	19GEE101	Computer Fundamentals and Python Programming	4.13	4.13	1.36	1.36									2.50		1.36
7	III	19MAT301	Transforms and Partial Differential Equations	3.70	3.06	2.15	1.91	1.53	1.53	1.53	1.16	1.53	1.53	1.53	1.53	3.86	1.53	1.84
8	III	19CST301	Data Structure	1.82	3.06	1.99	2.51	1.25	1.25							3.70	3.70	3.70
9	III	19CST302	Computer Organization and Architecture	2.62	2.92	3.65	2.18	1.45	1.45		1.45					1.45	1.45	1.45
10	III	19ECT302	Analog and Digital Communication	1.83	3.05	2.00	2.48	1.23	1.24							3.69	3.69	3.69
11	III	19CSE301	Object Oriented Programming			2.02	2.02	3.06							2.02	1.01	1.01	3.06
12	III	19ECE301	Digital Electronics	4.00	4.00	3.46	3.47	1.98					1.32	2.11	2.38	3.73	3.73	3.47
13	V	19CST501	Artificial Intelligence	4.77	4.77	4.77										4.77	3.15	4.77
14	V	19CST502	Theory of Computation	1.73	3.19	2.03										4.39	4.39	4.39
15	V	19CST503	Resource Management Techniques	4.77	4.77	4.77									3.15	4.77		4.77
16	V	19CSE501	Computer Networks	4.06	4.06	4.06					2.52	2.52	2.52			4.06	2.68	4.06
17	V	19CSE502	Object Oriented Analysis and Design	3.16	3.16	4.78										1.58	1.58	1.58
18	V	19MGT501	Engineering Economics and Management	3.36	3.63	3.63	3.63	2.40				2.40	2.40		1.20	3.63	2.40	3.63

S.No.	Semester	Subject Code	Subject Name	a	b	c	d	e	f	g	h	i	j	k	l	PSO1	PSO2	
19	VII	MG8591	Principle of Management	2.56	2.56	2.56										1.69	2.56	0.85
20	VII	CS8792	Cryptography and Network Security	4.81	4.81	4.81										4.81	4.81	4.81
21	VII	CS8791	Cloud Computing	2.43	3.35	4.29										4.60	4.60	4.60
22	VII	OME752	supply Chain Management	1.54		4.67		3.07		3.08		4.66		1.54		4.66	4.66	4.66
23	VII	CS8091	Big Data Analytics	4.57	4.57	4.57		4.57			4.57	4.57				4.57	4.57	4.57
24	VII	CS8088	Wireless Adhoc and Sensor Networks	2.43	3.35	4.29										4.60	4.60	4.60
25	VII	CS8711	Cloud Computing Laboratory	4.59	4.59	4.59		4.59			2.89	3.03	3.03		3.03	4.59	4.59	4.59
26	VII	IT8761	Security Laboratory	4.97	4.97	4.97		4.97			3.09	3.28	3.28		3.28	4.97	4.97	4.97
Department of Electrical and Electronics Engineering																		
1	I	19HST101	Communicative Techno English - I					2.75	1.37	2.76	2.76	4.13		3.30			4.13	
2	I	19MAT101	Engineering Mathematics - I	2.88	2.40	2.40	1.20			1.20		1.21				2.40		
3	I	19CYE101	Engineering Chemistry	2.29	2.2	3.31	1.71	2.06	1.38	2.77				2.06		4.16		1.37
4	I	19PHE101	Engineering Physics	4.26	4.26	1.40	1.40									2.58		1.40
5	I	19GET101	Engineering Graphics	2.99	1.58	2.18	2.38	2.99	2.38		2.99					2.99	0.99	2.99
6	I	19GEE101	Computer Fundamentals and Python Programming	4.84	4.84	1.60	1.60									2.93		1.60
7	III	19MAT301	Transforms and Partial Differential Equations	1.44	1.20	0.84	0.75	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	1.51	0.60	0.72
8	III	19EET301	Electromagnetic Theory	4.97	3.31	3.31		3.31			1.66	3.31		1.66		4.97	3.31	1.66
9	III	19EET302	Linear Integrated Circuits	4.59	4.59	4.59		3.03			1.52	3.03		3.03		4.59	3.03	4.59
10	III	19EEE301	Analog Electronics and Circuits	2.71	2.11	1.44	1.73		0.95	0.97			0.96			2.91	1.92	1.15
11	III	19ECE301	Digital Electronics	1.98	1.98	1.71	1.45	1.45						1.31	1.45	1.98	1.98	1.98
12	III	19CSE302	Programming in C and C++	1.84	1.71	1.57	0.95	1.60		0.80	1.60	0.80			1.57	1.97	0.78	1.05
13	V	19EET501	Microprocessors and Microcontrollers	4.97	3.31	3.31		3.31			1.66	3.31		1.66		4.97	3.31	1.66
14	V	19EET502	Power System Analysis	4.96	4.96	4.96	4.96	3.61	1.64	3.61				3.27		4.96		4.96
15	V	19EEE501	Power Electronics and Applications	4.79	3.81	4.79	4.14	4.79	3.48			4.79		3.16	4.79	4.79	3.16	3.16
16	V	19EEE502	Induction and Synchronous Machines	4.69	4.69	4.69	4.69	4.69				3.09		3.09		4.69	4.69	4.69
17	V	19EEPX02	Design of Electrical Apparatus	4.59		4.59	4.59	4.59		4.59						4.59		4.59
18	V	19ECOX02	Internet of Things	4.51	4.51	4.51	4.51	2.97	1.49	2.97				2.97		2.97		2.97
S.No.	Semester	Subject Code	Subject Name	a	b	c	d	e	f	g	h	i	j	k	l	PSO1	PSO2	
19	VII	EE8701	High Voltage Engineering	4.52	2.24	4.52	4.52	3.99		2.98					2.98	4.52	4.52	
20	VII	EE8702	Power System Operation and Control	4.38	4.38	3.85	4.63	3.59		3.07					3.07	4.64	4.11	
21	VII	EE8703	Renewable Energy Systems	4.76	3.14	3.14	3.14	2.62		1.83					3.95	4.76	2.62	
22	VII	OBT751	Analytical Methods and Instrumentation	4.8	3.17	3.17	3.17	2.63		1.84					3.99	4.8	2.63	
23	VII	EI8075	Fibre Optics and Laser Instrumentation	2.38	2.78			1.97						2.37	2.79	2.39	1.58	
24	VII	GE8077	Total Quality Management		3.22			4.88	4.88	4.88	4.88	4.88	4.88			3.222	3.22	
25	VII	EE8711	Power System Simulation Laboratory	4.69		4.69	4.69			3.10			3.1	2.17	2.79	4.69	4.69	
26	VII	EE8712	Renewable Energy Systems Laboratory	4.82		4.82	4.82			3.18			3.18	2.12	2.65	4.82	4.82	
Department of Electronics and Communication Engineering																		
1	I	19HST101	Communicative Techno English-I					2.94	1.47	2.97	2.97	4.45		3.54			4.45	
2	I	19MAT101	Engineering Mathematics -I	3.44	2.99	2.99	1.10	2.48		0.63		0.32				2.52		
3	I	19CYE101	Engineering Chemistry	2.43	2.34	3.51	1.83	2.21	1.43	2.95				2.18		4.42		1.47
4	I	19PHE101	Engineering Physics	4.31	4.31	1.42	1.42									2.72		1.47
5	I	19GET101	Engineering Graphics	3.28	1.73	2.39	2.62	3.28	2.62		3.28					3.28	1.08	3.28
6	I	19GEE101	Computer Fundamentals and Python Programming	4.83	4.83	1.60	1.60									2.93		1.59
7	III	19MAT301	Transforms and Partial Differential Equations	2.83	2.35	1.65	1.46	1.18	1.16			1.18			1.18	2.95		1.18
8	III	19EET304	Circuit Theory	4.62	4.62	4.62	3.05	1.53						1.53	3.05	4.62	4.62	3.05

9	III	19ECT301	Signals and Systems	1.67	2.79	1.82	2.29	1.14	1.12							3.37	3.37	3.37
10	III	19ECE301	Digital Electronics	3.29	3.29	2.84	2.40	2.40						2.18	2.40	3.29	3.29	3.29
11	III	19ECE302	Electronic Circuits	5.00	4.72	4.72	4.15	3.00	2.20					2.75	2.06	5.00	2.20	2.48
12	III	19CSE303	Data structures using C	2.59	2.87	3.91	1.27									1.30	1.29	1.29
13	V	19ECT501	Transmission Lines and Waveguides	4.98	4.98	2.30	2.63	2.30	1.97					3.29	2.30	4.98	1.97	2.63
14	V	19ECT502	Soft Computing	4.96	4.96	2.29	2.62	2.29	1.97					3.28	2.29	4.96	1.97	2.62
15	V	19ECE502	Digital Signal Processing	5.00	5.00	2.20	2.75	2.20	2.20					3.30	2.48	5.00	2.20	2.75
16	V	19ECE503	Microprocessor and Microcontroller	5.00	5.00	2.20	2.75	2.20	2.20					3.30	2.48	5.00	2.20	2.75
17	V	19ECPX01	Medical Electronics	4.62	4.95	3.27	1.63		1.63					1.63	1.63	4.95	3.27	3.27
18	V	19MEX04	Principles of Management	5.00	4.99	4.99	4.99	3.74	1.67					3.33	3.33	5.00	5.00	3.33
19	VII	EC8701	Antennas and Microwave Engineering	4.88	3.66	2.43	1.59	1.59	1.62					1.62	1.62	4.85	3.23	3.23
20	VII	EC8751	Optical Communication	4.97	4.63	4.63	4.30		2.19					3.28	1.64	4.97	4.97	3.28
21	VII	EC8791	Embedded and Real time systems	4.94	2.44	2.87	2.17	2.45	2.04					2.86	3.26	4.94	2.86	2.44
22	VII	EC8702	Adhoc and Wireless Sensor Networks	4.96	4.96	3.95	3.95	3.96	3.29					3.28	2.63	3.95	3.28	2.95
23	VII	EC8092	Advancd Wireless Communication(PE-III)	5.00	3.88	4.43	5.00	3.04	3.32					3.32	3.32	5.00	3.88	3.32
24	VII	OCH752	Energy Technology(OE-II)	3.13	2.07	2.07	1.65	3.30	2.07	5.00	3.30				1.03	1.03	2.07	1.03
25	VII	EC8711	Embedded Laboratory	4.95	4.95	4.28	4.95	4.28	2.63					4.28	4.12	4.95	2.96	2.95
26	VII	EC8761	Advanced Communication Laboratory	3.48	2.74	2.73	2.00	1.00	0.67					2.00	0.83	3.00	2.00	2.00
Department of Mechanical Engineering																		
1	I	19HST101	Communicative Techno English - I					2.27	1.11	2.35	2.32	3.49			2.77		3.49	
2	I	19MAT101	Engineering Mathematics I	3.18	2.65	2.65	1.31			1.31		1.32				2.66		
3	I	19CYE101	Engineering Chemistry	1.59	1.53	2.32	1.19	1.43	0.97	1.93				1.45		2.91		0.95
4	I	19PHE101	Engineering Physics	3.40	3.40	1.12	1.12									2.60		1.42
5	I	19GET101	Engineering Graphics	2.05	1.06	1.48	1.60	2.05	1.62		2.05					2.05	0.68	2.05
6	I	19GEE101	Computer Fundamentals and Python Programming	4.22	4.22	1.39	1.39									2.56		1.46
9	III	19MAT301	Transforms and Partial Differential Equations	3.18	2.61	1.85	1.64	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	3.32	1.32	1.58
10	III	19MET301	Engineering Thermodynamics	1.83	1.83	1.83				0.96			1.25			1.43	1.11	0.60
11	III	19MET302	Kinematics of Machinery	2.02	2.01	2.12	1.23	0.85	0.85	2.56						1.84	1.84	1.84
12	III	19EET303	Electrical Drives and Control	3.97	3.97				2.62	2.62	1.31			2.62		3.97		3.97
13	III	19MEE301	Manufacturing Technology - I	1.82				2.75					1.64			1.82	2.75	0.91
14	III	19MEE302	Fluid Mechanics and Machinery	2.39	1.76	3.61	2.30	2.39	2.39		3.09			3.61		3.61	2.05	1.23
17	V	19MET501	Automobile Engineering	2.64	1.32				2.64	4.00			2.64			1.32	1.32	1.32
18	V	19MET502	Design of Machine Elements		3.51	4.50	3.20	1.59					3.18	1.61		3.18	3.84	2.67
19	V	19MET503	Power Plant Engineering	4.15	4.15	4.15	4.15	4.74				2.74	2.74		1.37	4.19	2.74	4.15
20	V	19MEE501	Heat and Mass Transfer	4.56	4.56	4.56	4.56	3.01	1.51				4.56	4.56		4.56	3.01	1.51
21	V	19MEE502	Metrology and Measurements	1.83	0.81	1.41	0.60	1.22	1.25		0.63			1.25		1.72	0.71	0.60
22	V	19MEPX05	Non-Destructive Test and Evaluation of Materials	3.57	3.24	1.62	1.62	3.24					3.24			3.24	4.91	1.62
23	VII	ME8792	Power Plant Engineering	4.62	4.31	4.62	3.99				4.62					3.37	3.69	2.13
24	VII	ME8793	Process Planning and Cost Estimation		4.78		4.78									4.78	4.46	4.46
25	VII	ME8791	Mechatronics	3.95	3.68	3.95	1.31	3.42	1.30	1.31	3.95	3.95				3.60	2.75	1.37
26	VII	OIE751	Robotics	4.82	3.18	1.59	4.82	4.82	1.59	4.82	4.82	3.18				4.82	4.82	3.18
27	VII	GE8077	Total Quality Management	1.31	2.61	3.96	3.96	2.61	1.31	3.96	2.61	1.31				3.96	1.31	2.61
28	VII	ME8097	Non Destructive Testing and Evaluation	3.90	3.63	3.90	1.29	3.37	1.28	1.29	3.90	3.90				3.37	2.57	1.29
29	VII	ME8711	Simulation and Analysis Laboratory	4.93				4.93		4.93						3.83	3.25	3.25
30	VII	ME8781	Mechatronics Laboratory	4.79	4.79	4.79	1.58	3.97	1.58	1.58	4.79	4.79				3.16	3.16	4.79
31	VII	ME8712	Technical Seminar	4.95	4.95	4.95	1.63	4.11	1.63	1.63	4.95	4.95				3.27	3.27	4.95

Department of Civil Engineering

#	Sem	Course Code	Course Name	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15
1	II	19HST201	Communicative Techno English - II						1.86	0.93	1.84	1.86	2.81		2.24		2.81	
2	II	19CYT201	Environmental Science and Engineering	3.86	2.55	1.27	1.27	1.27	1.27	1.27						2.55		1.27
3	II	19MAT201	Engineering Mathematics II	2.68	2.24	1.56										3.14		1.09
4	II	19PHT201	Physics of Materials	2.55	3.86	2.55	1.27	2.29								2.55		1.27
5	II	19GEE202	Basic Electrical and Electronics Engineering	3.91	3.91	3.91	3.91	3.91		2.58					2.58	3.91	3.91	3.91
6	II	19MET201	Engineering Mechanics	2.03	1.01					2.08	3.07				3.07	2.65	2.05	1.01
7	IV	19MAT403	Numerical Methods	3.48	3.48	2.30	1.15	1.15							2.30	3.48		2.30
8	IV	19CET402	Construction Techniques, Equipment and Practice	3.15	2.00	1.71	1.41									2.14		1.41
9	IV	19CET403	Applied Hydraulic Engineering	2.78	1.39	1.39	1.39									1.39	1.39	
10	IV	19CET404	Highway Engineering	4.30	4.30		1.42		1.42	2.84					2.27	2.84		1.42
11	IV	19CEE401	Strength of Materials	3.25	2.79	2.55	2.31	1.74	1.85	2.08						3.01		1.39
12	IV	19CEE402	Soil Mechanics	4.08	4.08	2.69	2.69	1.35	1.35	1.35		1.35	1.35		1.35	4.08	1.35	1.34
13	VIII	CE6016	Prefabricated Structures	3.00	1.50	2.40	1.50									2.10	1.50	
14	VIII	CE8091	Hydrology and Water Resources Engineering	2.45	2.45	2.45	2.45		2.45	1.23		1.23	1.23			3.72	1.23	
15	VIII	CE8711	Project Work	3.28	1.64	1.64	1.64									1.64	1.64	

Department of Computer Science and Engineering

#	Sem	Course Code	Course Name	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15
1	II	19HST201	Communicative Techno English - II						2.73	1.36	2.72	2.74	4.13		3.30		4.13	
2	II	19CYT201	Environmental Science and Engineering	4.47	2.95	1.46	1.46	1.46	1.48	1.48						2.95		1.48
3	II	19MAT201	Engineering Mathematics II	3.60	2.99	2.29	1.69	1.50	1.50	1.50	1.42	1.45	1.42	1.45	1.33	3.36	2.26	1.69
4	II	19PHT201	Physics of Materials	4.36	2.88	1.44	1.44	1.44	1.44	1.44						2.88		1.44
5	II	19MET201	Engineering Mechanics	4.91	4.91	4.91	3.24	3.24								3.24	3.24	3.24
6	II	19MAT401	C Programming	3.01	3.01	4.57										4.57	4.57	4.57
7	IV	19CST401	Probability and Queueing Theory	3.39	3.06	3.06						1.84	1.84		1.84	4.32		1.53
8	IV	19CST402	Design and Analysis of Algorithms	2.79	2.79	2.80						1.67	2.79		1.39	2.79	2.79	2.79
9	IV	19CST403	Operating Systems	1.92	3.54	2.54										4.86	4.86	4.86
10	IV	19CSE401	Software Engineering	2.17	3.67	3.81	1.62	3.59	1.62	1.62	1.62	2.17	2.27	2.44	1.62	4.92	4.92	4.92
11	IV	19ECE503	Database Management Systems	1.54	1.85	4.35	2.86	1.85				1.48	1.48			4.67	4.67	4.67
12	IV	19ECE503	Microprocessors and Microcontrollers	4.97	4.97	2.19	2.73	2.19	2.19					3.28	2.46	4.97	2.19	2.73
13	VI	19CST601	Machine Learning Techniques	4.64	4.64	4.64										4.64	3.06	4.64
14	VI	19CST602	Compiler Design	3.14	3.14	4.76										1.57	1.57	1.57
15	VI	19CSE601	Mobile Computing	3.07	2.75	3.02										2.74	2.74	2.74
16	VI	19CSE602	Internet Programming			2.25	2.25	3.41							2.25	1.13	1.13	3.41
17	VI	19CSPX01	Dataware housing and Mining	2.86	3.17	3.98	2.25	2.37	1.58		1.58					1.58	1.58	1.58
18	VI	19CEOX05	Air and Noise Pollution Controll	2.23	1.39	2.58	2.78	3.08	3.04	2.15					1.53	3.39	3.18	
19	VI	19CSJ601	Mini Project work	4.99	4.99	4.99	4.99	4.99	1.65	1.65	4.99	4.99	4.99	4.99	1.65	4.99	4.99	4.99
20	VIII	IT8073	Information Security	3.44	3.11	2.80										3.10	3.10	3.10
21	VIII	CS8080	Information Retrival Techniques	2.21	3.34	3.34										3.34	3.34	1.10
22	VIII	CS8811	Project work	1.62	3.23	4.90	3.23	3.23	3.23	3.23	3.23	3.23	3.23	3.23	3.23	4.90	4.90	4.90

Department of Electrical and Electronics Engineering

#	Sem	Course Code	Course Name	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15
1	II	19HST201	Communicative Techno English - II						2.55	1.27	2.55	2.56	3.85		3.07		3.85	
2	II	19CYT201	Environmental Science and Engineering	3.67	2.42	1.21	1.21	1.21	1.21	1.21						2.42		1.21
3	II	19MAT201	Engineering Mathematics - II	3.72	3.11	2.17										4.27		1.53
4	II	19PHT202	Solid State Physics And Nano Electronic Devices	4.14	2.73	1.36	1.36	1.36	1.37	1.37						2.73		1.37
5	II	19GET203	Basic Civil and Mechanical Engineering	4.92	4.92	4.92	3.24	3.24								3.24	3.24	3.24

S.No.	Semester	Subject Code	Subject Name	a	b	c	d	e	f	g	h	i	j	k	l	PSO1	PSO2	
6	II	19EEE201	Circuit Theory	4.83	4.83	4.83	4.83	4.83		3.19					3.19	4.83	4.83	4.83
7	IV	19MAT403	Numerical Methods	3.99	3.99	2.63	1.32	1.32							2.63	3.99		1.52
8	IV	19EET401	Electrical and Electronic Measurements	4.59	3.03	1.52	3.03	1.52							3.03	3.03		1.52
9	IV	19EET402	Generation, Transmission and Distribution	3.79	3.79	2.53	2.53		1.26				1.26		2.53	3.79	1.26	3.79
10	IV	19ECT404	Discrete Time System and Signal Processing	3.65	2.73	2.12	2.72	1.52							1.51	2.73		1.51
11	IV	19EEE401	DC Machines and Transformers	4.66	4.66	4.03	4.04	2.31					1.54	2.46	2.77	4.35	4.35	4.04
12	IV	19EEE402	Control Systems Engineering	3.47	2.02	2.02	2.59	1.44	1.92	2.16	1.44	2.16	1.44	2.87	1.44	2.88	1.44	1.44
13	VI	19EET601	Protection and Switchgear	4.29	1.98	4.29	4.29	3.71		2.83					2.83	4.29		4.29
14	VI	19EET602	Electrical Drives	4.49	4.49	2.99	2.99		2.99				1.50		2.99	4.49	1.5	4.49
15	VI	19EEE601	Embedded Controllers and Real Time Operating Systems	4.50	2.97	2.97	2.97	2.48	1.73				1.49		4.50	4.50	2.48	
16	VI	19EEE602	Power System Operation and Control	4.48	4.48		2.95	2.86	2.95	2.95	1.48	2.86	2.86		2.95	4.48	2.86	4.48
17	VI	19EEPX09	Special Electrical Machines	4.29		2.83	2.83	1.41							1.41	4.29		2.83
18	VI	19EEPX18	Fibre Optics and Laser Instruments	2.29	2.29				1.51	1.51	0.76				1.51	2.29		2.29
19	VI	EE8018	Microcontroller Based System Design	4.99	4.99		3.30		3.30	3.30	1.65				3.30	4.99		4.99
S.No.	Semester	Subject Code	Subject Name	a	b	c	d	e	f	g	h	i	j	k	l	PSO1	PSO2	
20	VIII	EE8015	Electric Energy Generation, Utilization and Conservation	2.84	2.6	1.89	1.65	1.41		1.65					1.65	2.35	2.35	
21	VI	EE8018	Microcontroller Based System Design	3.46	2.28	2.28					1.14	1.14			2.28	3.46	1.14	
22	VIII	EE8811	Project Work	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	
			Department of Electronics and Communication Engineering															
1	II	19HST201	Communicative Techno English-II						2.87	1.43	2.87	2.88	4.33		3.46		4.33	
2	II	19CYT201	Environmental Science and Engineering	3.96	2.61	1.31	1.31	1.31	1.31	1.31						2.61		1.31
3	II	19MAT201	Engineering Mathematics-II	3.73	3.11	2.18										4.35		1.56
4	II	19PHT202	Solid State Physics and Nano Electronic Devices	3.96	2.61	1.31	1.31	1.31	1.31	1.31						2.61		1.31
5	II	19GET203	Basic Civil and Mechanical Engineering	4.91	4.91	4.91	3.24	3.24								3.24	3.24	3.24
6	II	19ECE201	Electronic Devices	4.83	4.83	4.83	4.83	4.83		3.19					3.19	4.83	4.83	4.83
7	IV	19MAT402	Probability and Random Processes	2.96	2.69	2.69	1.33	1.33		1.33	1.36		1.36		1.61	4.07	1.35	1.34
8	IV	19ECT401	Electromagnetic Fields	1.89	3.17	2.1	2.53	1.26	1.26							3.82	3.82	3.82
9	IV	19ECT402	Measurements and Instrumentation	3.28	3.28	4.29	3.28	2.62	3.28					2.95	2.95	4.29	2.95	2.62
10	IV	19EET403	Control System Engineering	3.22	1.87	1.87	2.4	1.33	1.78	2	1.33	2	1.34	2.67	1.33	2.67	1.33	1.33
11	IV	19ECE401	Communication Theory	4.89	4.89	4.89	4.89	2.42	3.23					4.89	4.06	4.89	3.23	3.23
12	IV	19ECE402	Linear Integrated Circuits	4.33	4.33	4.33	4.33	2.86	2.62					4.33	4.33	4.33	2.86	2.86
13	VI	19ECT601	Antennas and Wave Propagation	4.98	3.29	2.63	2.63	1.64	1.64					2.63	1.64	4.98	3.29	3.29
14	VI	19ECT602	Wireless Communication	5	4.99	4.99	5	3.74	1.67					3.33	3.33	5	5	3.33
15	VI	19ECT603	Communication Networks	4.83	4.83	4.09	4.1	4.1	3.23						2.59	3.93		2.94
16	VI	19ECE601	VLSI Design	5	2.75	3.04	2.48	2.2	2.75					3.3	1.65	4.43	3.87	1.65
17	VI	19ECE602	Digital Communication	4.99	3.47	3.67	3.31	3.13	3.86					3.3	3.3	4.43	3.87	1.65
18	VI	19ECPX07	Computer Architecture	3.27	3.27	4.95	3.27	3.27	3.27					3.27	3.27	4.95	3.27	3.27
19	VI	19ECJ601	Mini Project	4.93	4.93	4.93	4.93	4.93	3.26		3.26	4.93	4.93	4.93	3.26	4.93	3.26	4.93
20	VIII	EC8094	Satellite Communication	4.6	4.6	4.6	4.6	2.27	2.29					1.52	1.9	4.6	4.6	4.6
21	VIII	GE8076	Professional Ethics in Engineering	1.63	3.27		3.27			4.95	4.95	3.27	3.27	3.27	3.27	1.63	4.95	1.63
22	VIII	EC8811	Project Work	4.98	4.98	4.98	4.98	4.98	3.28		3.28	4.98	4.98	4.98	3.28	4.98	3.28	4.98
			Department of Mechanical Engineering															
1	II	19HST201	Communicative Techno English - II						3.04	1.57	2.84	2.96	4.48		3.61		4.48	
2	II	19CYT201	Environmental Science and Engineering	3.86	2.55	1.27	1.27	1.27	1.27	1.27						2.55		1.27

S.No	Sem	Code	Course Name															
3	II	19MAT201	Engineering Mathematics II	3.53	2.95	2.06									4.12		1.49
4	II	19PHT201	Physics of Materials	4.67	3.08	1.53	1.53	1.53	1.54	1.54					3.08		1.55
5	II	19GEE202	Basic Electrical and Electronics Engineering	4.72	4.72	4.72	4.72	4.72	3.11					3.11	4.72	4.72	4.72
6	II	19MET201	Engineering Mechanics	2.54	1.27					2.56	3.84				3.84	3.31	2.54	1.27
7	IV	19MAT404	Statistics and Numerical Methods	3.18	2.64	1.85	1.64	1.32	1.32	1.32	1.32	1.32	1.32	1.32	1.32	3.32	1.32	1.58
8	IV	19MET401	Engineering Metallurgy	3.24		3.24		2.91					3.24		2.59	3.24	4.91	1.62
9	IV	19MEE401	Thermal Engineering	2.38	2.52	1.67	1.67	0.83	0.83	0.83		0.83		0.83	2.52	2.52	0.83	1.67
10	IV	19MEE402	Strength of Materials	4.27	3.77	3.53	3.31									4.02	1.65	1.41
11	IV	19MEE403	Composite Materials	2.74	2.74		1.81		0.91			2.51	2.51		1.81	2.74	2.51	2.74
12	IV	19MEE404	Manufacturing Technology - II	1.73				2.62					1.56		1.73	1.73	2.62	0.86
13	VI	19MET601	Finite Element Analysis	3.13	3.36	1.11	3.36	1.11				1.11	1.11	1.11	3.36	3.36	1.11	
14	VI	19MET602	Design of Transmission Systems	4.23	4.23	1.39	4.23	1.39				1.39		1.39	4.23	4.23		2.79
15	VI	19MEE601	CAD/CAM	4.59	3.03	3.03	1.51	1.51	3.12				1.51		3.03	3.03	3.12	3.03
16	VI	19MEE602	Dynamics of Machinery	4.78	4.78		3.16		1.58			3.28	3.28		3.16	4.78	3.28	4.78
17	VI	19MEPX10	Professional Ethics in Engineering	3.89	3.89	3.89	3.89	2.57				2.57	2.57		1.28	3.89	2.57	3.89
18	VI	19CEOX04	Renewable Energy Resources	3.74	2.47	2.47	2.47	2.47	1.24	1.24					3.74	3.74	3.74	3.74
19	VI	19MEPX25	Computer Integrated Manufacturing Systems	3.05	1.53	1.53		3.05					3.05					1.52
20	VIII	MG8591	Principles of Management						4.48		4.48				4.48	4.48	4.48	2.96
21	VIII	ME8094	Computer Integrated Manufacturing Systems	0.70	2.13	0.70	0.70	1.84	0.71	0.71	0.70	2.13			1.12	1.26	1.22	
22	VIII	ME8811	Project Work	4.89	4.89	4.89	3.23	1.61	4.89	4.89	1.61	3.23			4.89	4.89	4.89	

PG PROGRAMMES

ACADEMIC YEAR : 2021-2022 **ODD & EVEN SEMESTER**

M.E. COMPUTER SCIENCE AND ENGINEERING

S.No	Sem	Code	Course Name															
1	I	21PCM101	Applied Mathematics for Computer Science	4.62	4.62	4.62									3.05	4.62		4.62
2	I	21PGT101	Research Methodology and IPR	3.81	3.81	3.79	3.81	2.51				2.51	2.51		1.26	3.81	2.51	3.81
3	I	21PCT101	Machine Learning Techniques	4.25	4.25	4.25										4.25	2.80	4.25
4	I	21PCT102	Web Engineering	3.88	3.88	3.88										3.88	2.56	3.88
5	I	21PCE101	Advanced Data Structures and Algorithms	4.35	4.35	4.35										4.35	2.87	4.35
6	I	21PCP101	Advanced Databases	3.88	3.88	3.88										3.88	2.56	3.88
7	III	19PCP305	Software Quality Assurance Testing	3.52	3.88	3.88	3.52	3.52	1.75	3.88	1.40	1.40	1.40	1.40	2.10	3.16	3.17	3.52
8	III	19PCP307	Embedded Software Development	3.81	4.20	4.20	3.81	3.81	1.89	4.20	1.52	1.52	1.52	1.52	2.27	3.42	3.43	3.81
9	III	19PCP315	Information Storage Management	3.92	3.92	3.48	3.03	3.92	1.29	3.92	1.29	1.29	1.29	1.29	2.59	3.92	3.92	3.92
10	III	19PCJ301	Project Work Phase -I	3.19	3.19	3.19	3.19	3.19	1.05	1.05	3.19	3.19	3.19	3.19	1.05	3.19	3.19	3.19
11	II	21PCT201	Advanced Soft Computing	2.36	3.57	2.36	1.18	1.18							2.36	1.18	2.36	1.18
12	II	21PCT202	Industrial IoT	4.29	4.29	2.83	1.42	1.42							2.83	1.42	2.83	1.42
13	II	21PCE201	Data Science and Analytics	2.75	4.17	2.75	1.38	1.38							2.75	1.38	2.75	1.38
14	II	21PCP205	Software Architecture and Design	3.01	4.56	3.01	1.51	1.51							3.01	1.51	3.01	1.51
15	II	21PCP210	Software Quality Assurance and Testing	3.76	4.15	4.15	3.76	3.76	1.87	4.15	1.5	1.5	1.5	1.5	2.24	3.37	3.39	3.76
16	II	21PGO205	Digital Marketing	4.45	2.92	2.94	3.43	2.92	2.94	2.94	2.85	4.45	4.45	2.94	4.45	4.45	2.92	4.45
17	II	21PEE201	Mini Project	5	3.3	5	5								5	5	3.3	3.3
18	IV	21PJGJ401	Project Phase -II	4.87	4.87	4.87	4.87	4.87	1.61	1.61	4.87	4.87	4.87	4.87	1.61	4.87	4.87	4.87

M.E. STRUCTURAL ENGINEERING

S.No	Sem	Code	Course Name															
1	I	21PSM101	Advanced Mathematics for Structural Engineering	3.52	2.15											1.88	1.34	1.88
2	I	21PGT101	Research Methodology and IPR	3.55	3.55	3.48	3.55	2.34				2.34	2.34		1.17	3.55	2.34	3.55
3	I	21PST101	Applied Elasticity and Plasticity	4.53	2.69	1.79	1.49	1.49						1.49	1.49	2.99	1.49	
4	I	21PST102	Finite Element Analysis and Methods	4.51	4.20	2.68	1.49			3.90	1.42		2.98		1.49	2.98	1.49	1.49
5	I	21PSE101	Experimental Techniques	3.78	3.78	2.21	3.48	1.33					1.33	1.33	1.30	3.78	1.77	1.32

No	Sem	Course Code	Course Name															
6	I	21PSP103	Advances in Concrete Structures	3.89	2.67	2.97	2.67	1.48						1.48	1.48	2.97	1.48	
7	III	19PST301	Earthquake Analysis and Design of Structures	4.82	2.87	4.17	2.86	1.59		3.18		1.59			1.59	4.82	1.59	1.61
8	III	19PSP302	Design of Sub Structures	4.87	3.22	4.20	2.89	1.60	1.60	2.89				1.61	1.61	4.87		1.61
9	III	19PSP304	Design of Steel Concrete Composite Structures	3.53	2.88	2.56	2.88	1.60	1.60			2.56		1.60		2.88	2.56	
10	III	19PSJ301	Project Work Phase-I	3.29	1.65	1.65	1.65	1.65	1.65					1.65	1.65	3.29	1.65	
11	III	19PSE301	Practical Training-II	3.30	1.65	1.65	1.65								1.65	1.65		
12	III	19PSE302	Seminar	3.30	1.65	1.65	1.65	1.65						1.65	1.65	3.30	1.65	
13	II	21PST201	Advances in Steel Structures	4.20	2.77	3.63	2.50	1.39	1.39	2.50				1.39	1.39	4.20	1.39	1.39
14	II	21PST202	Structural Dynamics and Seismic Design	4.05	2.67	1.34	1.87	1.34	1.34	1.34				1.34	1.34	4.05	1.34	1.34
15	II	21PSE201	Advances in Concrete Technology	3.69	3.69	2.15	3.03	1.29					1.29	1.29	1.29	3.69	1.72	1.29
16	II	21PSP205	Pre-stressed Concrete Structures	4.34	2.87	2.01	2.01	2.01	2.01	2.01				2.01	2.01	4.34	2.01	2.01
17	II	21PSP209	Computer Aided Design of Structures	3.65	2.79	2.23	2.23	2.23	2.23	2.23				2.23	2.23	4.23	2.23	2.23
18	II	21PGO205	Digital Marketing	3.93	2.56	2.59	3.04	2.56	2.59	2.59	2.58	3.93	3.93	2.59	3.93	3.93	2.56	3.93
19	II	21PEE201	Mini Project	4.72	3.12	3.12	4.72	4.72	4.72	4.72	1.56	3.12	1.56	3.12	4.72	4.72	3.12	3.12
20	IV	19PSJ401	Project Work Phase-II	3.09	1.55	1.55	1.55		1.55					1.55		1.55	3.09	1.55	1.55
21	IV	19PSE401	Practical Training-III	3.30	1.65	1.65		1.65	1.65					1.65		1.65	1.65		1.65
M.E. VLSI DESIGN																		
1	I	21PVM101	Graph Theory and Optimazation Techniques	4.42	4.42	2.92										2.92	1.46	
2	I	21PGT101	Resarch Methodology and IPR	4.02	4.02	3.96	4.02	2.66			2.66	2.66			1.33	4.02	2.66	4.02
3	I	21PVT101	Device Modelling	1.64	3.27	3.29	3.28	3.27	4.98					4.97	4.98	4.97	3.27	3.29
4	I	21PVT102	System Design Using FPGA	1.64	1.64	3.28	3.28	3.28					4.97	1.64	4.97	4.97	3.28	3.28
5	I	21PVE101	CMOS Digital VLSI Design	1.64	1.64	3.28	3.01	1.64						4.41	2.46	4.41	2.74	2.19
6	I	21PVPX01	Low Power VSI Design	1.64	1.64	1.64	1.64	3.27	4.98					1.64	2.28	4.96	3.28	1.64
7	III	19PVT301	Analog to Digital Interfaces	1.64	2.18	1.64	1.64	2.73	4.4					2.18	2.73	4.96	3.27	1.64
8	III	19PVPX13	Selected Topics in ASIC Design	1.64	1.64	1.64	1.64	3.28	4.97					1.64	3.28	4.97	3.28	1.64
9	III	19PVPX20	Selected Topics in IC Design	1.64	1.64	1.64	1.64	3.28	3.31					1.64	3.28	3.31	3.28	1.64
10	III	19PVJ301	Project Work Phase-I	4.98	4.98	4.98	4.98	3.29	3.29	3.29	3.29	3.29	3.29	3.29	4.98	3.29	1.64	1.64
11	II	21PVT201	Testing of VLSI Circuits	2.63	2.93	2.93	2.34	3.23	2.64					3.23	3.68	3.24	2.34	2.34
12	II	21PVT202	CAD For VLSI Circuits	2.63	2.93	2.93	2.34	3.23	2.64					3.23	3.68	3.24	2.34	2.34
13	II	21PVE201	Analog IC Design	1.46	1.46	2.93	2.68	1.46						3.93	2.20	3.93	2.44	1.95
14	II	21PVP201	VLSI Signal Processing	2.39	2.39	2.61	2.39	2.99	2.77					3.64	3.47	3.30	2.39	2.39
15	II	21PVP208	Networks on Chip	2.63	2.35	2.93	2.34	3.23	2.65					3.23	3.69	3.24	2.34	2.34
16	II	21PGO205	Digital Marketing	4.27	2.90	2.82	3.28	2.90	2.82	2.82	2.73	4.27	4.27	2.82	4.27	4.27	2.90	4.27
17	II	21PEE201	Mini Project	3.50	2.31	3.50	3.50	3.50	3.50	3.50	1.16	2.31	1.16	2.31	3.50	3.50	2.31	2.31
18	IV	19PVJ401	Project work phase-II	4.99	4.99	4.99	4.99	3.29	3.29	3.29	3.29	3.29	3.29	3.29	4.99	3.29	1.65	1.65
MASTER OF BUSINESS ADMINISTRATION																		
1	I	21BAT101	Economic Analysis For Business	2.67	2.32	1.93	1.44	1.93	1.94	1.93	1.92	1.73	1.45		1.61	2.52	1.29	0.96
2	I	21BAT102	Principles of Management	2.44	2.03	2.55	1.34	1.77	2.01	2.04	1.77	1.22	2.02	1.52	1.01	3.06	1.51	1.34
3	I	21BAT103	Accounting for Management	2.07	2.34	2.06	2.06	2.07	1.03	2.07	2.31	1.03	2.06	2.07	1.03	2.59	2.77	2.07
4	I	21BAT104	Legal Aspects of Business	2.40	2.00	2.51	1.33	1.74	1.98	2.01	1.76	1.20	1.99	1.51	0.99	3.01	1.50	1.33
5	I	21BAT105	Organizational Behaviour	2.57	2.30	1.63	1.98	1.97	1.98	2.17	1.65	1.97	1.48	2.17	1.47	2.48	1.64	1.73
6	I	21BAT106	Statistics for Management	2.93	2.52	2.34	1.54	1.54	1.94	1.93	1.35	2.33	2.13	1.75	1.94	2.53	2.13	1.54
7	I	21BAT107	Total Quality Management	3.05	2.26	2.98	2.27	1.98	1.25	2.28	1.80	2.53	1.98	3.03	1.33	2.83	2.49	1.96
8	I	21BAE101	Spoken and Written Communication	2.26					1.14	2.73	2.28	2.26	2.26			3.19	1.14	2.26
9	III	19BAT301	International Business Management	2.75	2.19	2.19		2.21	2.75		2.75		2.75		1.09	2.75	2.19	
10	III	19BAT302	Strategic Management	3.19			3.19	2.10		2.10		2.10	2.10			3.19	2.10	2.10
11	III	19BATM04	Integrated Marketing Communication	2.83	2.32	2.50	2.33	1.96	1.77	2.26	2.05	2.31	2.25	2.39	1.89	2.49	2.23	

No	Year	Code	Course															
12	III	19BATM05	Retail Marketing	1.37		2.07		0.68		2.07	1.37	1.37	0.68		1.37	2.07	1.37	
13	III	19BATM06	Services Marketing	2.25					1.48	0.74	1.48	1.48	1.48			1.48		
14	III	19BATF04	Merchant Banking and Financial Services	1.55				0.78			0.78	1.55	0.78			1.55		
15	III	19BATF05	Security Analysis and Portfolio Management	1.61	1.61	1.61		0.80				0.80	1.61		0.80	1.61	2.43	
16	III	19BATF07	International Trade Finance	1.65					1.65	2.50	1.65	0.83	2.50		0.83	1.65		
17	III	19BATH01	Entrepreneurship Development	2.83	0.94	0.94	1.87	0.94	1.87	1.87	2.83	2.83	1.87	0.94	0.94	2.83	1.87	2.83
18	III	19BATH02	Industrial Relations and Labour Welfare	2.73	2.73	1.80	1.80	1.80		2.73	1.80		0.90	1.80	0.90	2.73	1.80	
19	III	19BATH04	Managerial Behaviour and Effectivenes	2.38	1.57	1.57			1.57	1.57	1.57	1.57		1.57		1.57	1.57	
20	III	19BATO04	Project Management	2.79		1.84			1.84	2.79		2.79	1.84			2.79	1.84	1.84
21	III	19BATO05	Services Operations Management	1.84		1.84			1.84	0.92	1.84	1.84	1.84		1.84		2.79	0.92
22	III	19BATO06	Supply Chain Management	2.88		1.90			1.90		1.90		1.90		1.90			1.90
23	II	21BAT201	Applied Operations Research	3.18	2.59	2.89	3.47	3.18	2.30	2.89	3.77	2.52	3.18	2.30	2.89	3.77	3.25	3.77
24	II	21BAT202	Business Research Methods	3.34	2.79	3.49	1.85	2.42	2.77	2.78	2.15	1.66	2.77	2.09	1.39	4.20	2.08	1.85
25	II	21BAT203	Financial Management	3.79	2.41	2.90	2.90	2.88	2.88	2.88	2.91	4.08	2.89	2.88	2.53	2.89	2.88	2.90
26	II	21BAT204	Human Resource Management	3.70	3.08	3.86	2.04	2.68	3.06	3.08	2.30	1.84	3.07	2.31	1.53	4.65	2.30	2.04
27	II	21BAT205	Information Management	3.89	2.23	2.97	3.36	2.97	2.97	2.97	3.26	2.97	2.97	2.97	3.28	2.97	2.97	4.51
28	II	21BAT206	Operations Management	2.87	2.87	3.62	2.88	1.44	2.87	2.87	1.91	3.76	2.51	4.35	2.15	2.30	3.61	1.91
29	II	21BAT207	Marketing Management	3.40	2.12	2.47	3.31	2.83	2.47	3.11	2.44	3.98	3.98	2.12	3.11	3.11	2.12	2.47
30	II	21BAL201	Data Analysis and Business Modeling	2.74	3.00	2.98	3.25	3.76		3.00		3.00	3.01		2.99	3.00	2.99	4.02

SENGUNTHAR ENGINEERING COLLEGE
(AUTONOMOUS)
(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)
Recognized Under Section 2(f) & 12(B) of the UGC Act, 1956
NAAC Accredited with 'A' Grade
TIRUCHENGODE – 637 205 NAMAKKAL (Dt) TAMILNADU

JAS-ANZ
BSCIC
ISO 9001 REGISTERED

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Year/Sem : II year EEE/ IV

Academic Year : 2021 - 2022 Even Sem

Subject code and Name: 19EET402 - Generation, Transmission and Distribution

Staff Handled: Mr.D.Sathiyaraj, AP/EEE

Total Strength			39				
No. of Absent			0	0	0	0	9
S.No	Register Number	Student Name	CIA 1 (Out of 100)	CIA 2 (Out of 100)	CIA 3 (Out of 100)	Co-Curricular Component	ESE Grade
1	202013002	BALAMURUGAN S	82	82	83	100	A
2	202013003	DURGESH KUMAR YADAV	80	92	88	100	A
3	202013004	GOWTHAM R	84	91	91	100	A+
4	202013005	GUKAN P	79	78	80	100	B+
5	202013006	GUNASEKARAN I	97	87	93	100	A+
6	202013007	JAYASURYA D	70	76	78	90	RA
7	202013008	KALAISELVI P	95	84	93	100	O
8	202013009	KAVYA M	79	83	83	100	B+
9	202013010	KOWSALYA R	70	81	85	100	A
10	202013011	LALITHAASRI K	80	85	86	100	B+
11	202013012	LOGESHWARAN M	70	79	80	100	B+
12	202013013	MD SAIF	78	79	79	100	B+
13	202013014	MOHANRAJ P	70	79	80	90	B+
14	202013015	NISHANTH P	81	79	78	90	B+
15	202013016	SRISANTH S	70	79	80	90	B+

16	202013017	SUTHI M	80	81	78	90	B+
17	202013018	VAIRAVAMOORTHI M	70	70	79	90	B+
18	202013019	VENKATAJALAPATHI	87	86	96	90	A+
19	202013020	VINDHIYA K	80	81	80	90	A
20	202013301	ABIMANI. M	70	71	70	80	B
21	202013302	ANBAZHAGAN. M	70	70	70	80	AB
22	202013303	ARUN PRASATH. R	71	71	71	80	B
23	202013305	ARUNPRASATH. V	70	70	71	80	AB
24	202013306	ASWIN. M	70	70	70	80	AB
25	202013308	BOOPATHI. P	70	70	70	80	B
26	202013311	DHASARATHAN. R	71	71	71	80	B+
27	202013317	KARTHICK. A	71	70	70	80	AB
28	202013319	KIRUTHIK VARSHAN. T	70	70	80	80	B+
29	202013321	MAHENDRAN. R	70	70	70	80	A
30	202013322	MANIKANDAN. K	70	71	70	80	AB
31	202013323	MANIKANDAN. P	70	71	71	80	AB
32	202013325	MOHANDAS. A	70	70	70	80	AB
33	202013328	PRAVEEN .T	71	70	71	80	B+
34	202013329	PREMNATH. R	70	70	70	80	RA
35	202013330	SABARINATHAN. M	70	70	70	80	RA
36	202013332	SILAMBAPASAN. P	71	71	71	80	AB
37	202013333	SUDHARSAN. J. R	88	94	70	80	A
38	202013334	SUJITHA. R	70	70	70	80	AB
39	202013335	VENKATESH. N	71	71	71	80	RA

Target Attainment	70%

Course Articulation Matrix

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	2	2			1			1		2	3	1	3
CO2	3	3	2	2			1			1		2	3	1	3
CO3	3	3	2	2			1			1		2	3	1	3
CO4	3	3	2	2			1			1		2	3	1	3
CO5	3	3	2	2			1			1		2	3	1	3
CO6	3	3	2	2			1			1		2	3	1	3
CO7	3	3	2	2			1			1		2	3	1	3
Average PO	3.00	3.00	2.00	2.00			1.00			1.00		2.00	3.00	1.00	3.00

	Total Strength		39										
	No. of Absent		0		0		0		0		9		
	No. of Present		39		39		39		39		30		
S.No	Register Number	Student Name	CIA 1		CIA 2		CIA 3		Co-Curricular Component		End Semester Exam			
			Out of 100	Scale of 5	Out of 100	Scale of 5	Out of 100	Scale of 5	Out of 100	Scale of 5	Grade	Out of 10	Out of 100	Scale of 5
1	202013002	BALAMURUGAN S	82	4.10	82	4.10	83	4.15	100	5.00	A	8	80	4.00
2	202013003	YADAV	80	4.00	92	4.60	88	4.40	100	5.00	A	8	80	4.00
3	202013004	GOWTHAM R	84	4.20	91	4.55	91	4.55	100	5.00	A+	9	90	4.50
4	202013005	GUKAN P	79	3.95	78	3.90	80	4.00	100	5.00	B+	6	60	3.00
5	202013006	GUNASEKARAN I	97	4.85	87	4.35	93	4.65	100	5.00	A+	9	90	4.50
6	202013007	JAYASURYA D	70	3.50	76	3.80	78	3.90	90	4.50	RA	0	0	0.00
7	202013008	KALAISELVI P	95	4.75	84	4.20	93	4.65	100	5.00	O	10	100	5.00
8	202013009	KAVYA M	79	3.95	83	4.15	83	4.15	100	5.00	B+	7	70	3.50
9	202013010	KOWSALYA R	70	3.50	81	4.05	85	4.25	100	5.00	A	8	80	4.00
10	202013011	LALITHAASRI K	80	4.00	85	4.25	86	4.30	100	5.00	B+	7	70	3.50
11	202013012	LOGESHWARAN M	70	3.50	79	3.95	80	4.00	100	5.00	B+	7	70	3.50
12	202013013	MD SAIF	78	3.90	79	3.95	79	3.95	100	5.00	B+	7	70	3.50
13	202013014	MOHANRAJ P	70	3.50	79	3.95	80	4.00	90	4.50	B+	7	70	3.50
14	202013015	NISHANTH P	81	4.05	79	3.95	78	3.90	90	4.50	B+	7	70	3.50
15	202013016	SRISANTH S	70	3.50	79	3.95	80	4.00	90	4.50	B+	7	70	3.50
16	202013017	SUTHI M	80	4.00	81	4.05	78	3.90	90	4.50	B+	7	70	3.50
17	202013018	VAIRAVAMOORTHI M	70	3.50	70	3.50	79	3.95	90	4.50	B+	7	70	3.50
18	202013019	VENKATAJALAPATHI	87	4.35	86	4.30	96	4.80	90	4.50	A+	9	90	4.50
19	202013020	VINDHIYA K	80	4.00	81	4.05	80	4.00	90	4.50	A	8	80	4.00
20	202013301	ABIMANI. M	70	3.50	71	3.55	70	3.50	80	4.00	B	6	60	3.00
21	202013302	ANBAZHAGAN. M	70	3.50	70	3.50	70	3.50	80	4.00	AB	0	0	0.00
22	202013303	ARUN PRASATH. R	71	3.55	71	3.55	71	3.55	80	4.00	B	6	60	3.00
23	202013305	ARUNPRASATH. V	70	3.50	70	3.50	71	3.55	80	4.00	AB	0	0	0.00
24	202013306	ASWIN. M	70	3.50	70	3.50	70	3.50	80	4.00	AB	0	0	0.00
25	202013308	BOOPATHI. P	70	3.50	70	3.50	70	3.50	80	4.00	B	6	60	3.00
26	202013311	DHASARATHAN. R	71	3.55	71	3.55	71	3.55	80	4.00	B+	7	70	3.50
27	202013317	KARTHICK. A	71	3.55	70	3.50	70	3.50	80	4.00	AB	0	0	0.00

28	202013319	KIRUTHIK VARSHAN. T	70	3.50	70	3.50	80	4.00	80	4.00	B+	7	70	3.50
29	202013321	MAHENDRAN. R	70	3.50	70	3.50	70	3.50	80	4.00	A	8	80	4.00
30	202013322	MANIKANDAN. K	70	3.50	71	3.55	70	3.50	80	4.00	AB	0	0	0.00
31	202013323	MANIKANDAN. P	70	3.50	71	3.55	71	3.55	80	4.00	AB	0	0	0.00
32	202013325	MOHANDAS. A	70	3.50	70	3.50	70	3.50	80	4.00	AB	0	0	0.00
33	202013328	PRAVEEN .T	71	3.55	70	3.50	71	3.55	80	4.00	B+	7	70	3.50
34	202013329	PREMNATH. R	70	3.50	70	3.50	70	3.50	80	4.00	RA	0	0	0.00
35	202013330	SABARINATHAN. M	70	3.50	70	3.50	70	3.50	80	4.00	RA	0	0	0.00
36	202013332	SILAMBARASAN. P	71	3.55	71	3.55	71	3.55	80	4.00	AB	0	0	0.00
37	202013333	SUDHARSAN. J. R	88	4.40	94	4.70	70	3.50	80	4.00	A	8	80	4.00
38	202013334	SUJITHA. R	70	3.50	70	3.50	70	3.50	80	4.00	AB	0	0	0.00
39	202013335	VENKATESH. N	71	3.55	71	3.55	71	3.55	80	4.00	RA	0	0	0.00
TARGET ATTAINMENT LEVEL %			70%		70%		70%		70%		70%			
(Scale of 5)			3.5		3.5		3.5		3.5		3.5			
NO. OF STUDENTS			39		39		39		39		22			
ACTUAL ATTAINMENT LEVEL %			100%		100%		100%		100%		56%			
(Scale of 5)			5.00		5.00		5.00		5.00		2.80			
% GAP			-30%		-30%		-30%		-30%		14%			
CORRECTIVE ACTIONS											ACTION TAKEN			

Course Articulation Matrix

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3	3	2	2			1			1		2	3	1	3
CO2	3	3	2	2			1			1		2	3	1	3
CO3	3	3	2	2			1			1		2	3	1	3
CO4	3	3	2	2			1			1		2	3	1	3
CO5	3	3	2	2			1			1		2	3	1	3
CO6	3	3	2	2			1			1		2	3	1	3
CO7	3	3	2	2			1			1		2	3	1	3
Average PO	3.00	3.00	2.00	2.00			1.00			1.00		2.00	3.00	1.00	3.00

Target Attainment :   70%

Course Attainment

	CIA1	CIA 2	CIA 3	Co-Curricular Component	Average	ESE	Direct Attainment	Indirect Attainment (CES)	Final Attainment	Target Attainment	GAP	CA	CO%
CO1	5.00			5.00	5.00	2.80	3.68	4.75	3.79	3.5	-0.29		75.74
CO2			5.00	5.00	5.00	2.80	3.68	4.73	3.79	3.5	-0.29		75.70
CO3	5.00			5.00	5.00	2.80	3.68	4.73	3.79	3.5	-0.29		75.70
CO4			5.00	5.00	5.00	2.80	3.68	4.74	3.79	3.5	-0.29		75.72
CO5		5.00		5.00	5.00	2.80	3.68	4.74	3.79	3.5	-0.29		75.72
CO6		5.00		5.00	5.00	2.80	3.68	4.74	3.79	3.5	-0.29		75.72
CO7	5.00	5.00	5.00	5.00	5.00	2.80	3.68	4.73	3.79	3.5	-0.29		75.70

Attainment of Continuous Assessment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	5.00	5.00	3.33	3.33			1.67			1.67		3.33	5.00	1.67	5.00
CO2	5.00	5.00	3.33	3.33			1.67			1.67		3.33	5.00	1.67	5.00
CO3	5.00	5.00	3.33	3.33			1.67			1.67		3.33	5.00	1.67	5.00
CO4	5.00	5.00	3.33	3.33			1.67			1.67		3.33	5.00	1.67	5.00
CO5	5.00	5.00	3.33	3.33			1.67			1.67		3.33	5.00	1.67	5.00
CO6	5.00	5.00	3.33	3.33			1.67			1.67		3.33	5.00	1.67	5.00
CO7	5.00	5.00	3.33	3.33			1.67			1.67		3.33	5.00	1.67	5.00
Average PO	5.00	5.00	3.33	3.33			1.67			1.67		3.33	5.00	1.67	5.00

Attainment of ESE

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	2.80	2.80	1.87	1.87			0.93			0.93		1.87	2.80	0.93	2.80
CO2	2.80	2.80	1.87	1.87			0.93			0.93		1.87	2.80	0.93	2.80
CO3	2.80	2.80	1.87	1.87			0.93			0.93		1.87	2.80	0.93	2.80
CO4	2.80	2.80	1.87	1.87			0.93			0.93		1.87	2.80	0.93	2.80
CO5	2.80	2.80	1.87	1.87			0.93			0.93		1.87	2.80	0.93	2.80
CO6	2.80	2.80	1.87	1.87			0.93			0.93		1.87	2.80	0.93	2.80
CO7	2.80	2.80	1.87	1.87			0.93			0.93		1.87	2.80	0.93	2.80
Average PO	2.80	2.80	1.87	1.87			0.93			0.93		1.87	2.80	0.93	2.80

Total Attainment

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	3.79	3.79	2.53	2.53			1.26			1.26		2.53	3.79	1.26	3.79
CO2	3.79	3.79	2.53	2.53			1.26			1.26		2.53	3.79	1.26	3.79
CO3	3.79	3.79	2.53	2.53			1.26			1.26		2.53	3.79	1.26	3.79
CO4	3.79	3.79	2.53	2.53			1.26			1.26		2.53	3.79	1.26	3.79
CO5	3.79	3.79	2.53	2.53			1.26			1.26		2.53	3.79	1.26	3.79
CO6	3.79	3.79	2.53	2.53			1.26			1.26		2.53	3.79	1.26	3.79
CO7	3.79	3.79	2.53	2.53			1.26			1.26		2.53	3.79	1.26	3.79
Average PO	3.79	3.79	2.53	2.53			1.26			1.26		2.53	3.79	1.26	3.79

Attainment of Course Exit Survey

	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	4.75	4.75	3.17	3.17			1.58			1.58		3.17	4.75	1.58	4.75
CO2	4.73	4.73	3.15	3.15			1.58			1.58		3.15	4.73	1.58	4.73
CO3	4.73	4.73	3.15	3.15			1.58			1.58		3.15	4.73	1.58	4.73
CO4	4.74	4.74	3.16	3.16			1.58			1.58		3.16	4.74	1.58	4.74
CO5	4.74	4.74	3.16	3.16			1.58			1.58		3.16	4.74	1.58	4.74
CO6	4.74	4.74	3.16	3.16			1.58			1.58		3.16	4.74	1.58	4.74
CO7	4.73	4.73	3.15	3.15			1.58			1.58		3.15	4.73	1.58	4.73
Average PO	4.74	4.74	3.16	3.16			1.58			1.58		3.16	4.74	1.58	4.74

CO Attainment	CO1	CO2	CO3	CO4	CO5	CO6	CO7
	3.79	3.79	3.79	3.79	3.79	3.79	3.79

PO Attainment	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
Continuous Assessment	5.00	5.00	3.33	3.33			1.67			1.67		3.33	5.00	1.67	5.00
End Semester Examination	2.80	2.80	1.87	1.87			0.93			0.93		1.87	2.80	0.93	2.80
Course Exit Survey	4.74	4.74	3.16	3.16			1.58			1.58		3.16	4.74	1.58	4.74
Total Attainment	3.79	3.79	2.53	2.53			1.26			1.26		2.53	3.79	1.26	3.79

FACULTY IN-CHARGE

HoD 4/11/2022