



SREE SAKTHI ENGINEERING COLLEGE (AUTONOMOUS)

OOTY MAIN ROAD, KARAMADAI, | MOB : +91 92445 04444, 92445 02222
COIMBATORE - 641 104 | Web : www.sreesakthi.edu.in

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TOTAL	15	02	08	21			
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III Semester

Sl No	Course Code	Name of the Course	L	T	P	C	Type	T/P	SDG Mapping
1.	26CEH301	Discrete Mathematics and Data analytics	3	1	0	4	BS	T	3,4,8,10,15,16,17
2.	26CEE302	Fluid Mechanics and Machinery	3	1	0	4	PC	T	4,6,7,9
3.	26CEE303	Engineering Geology	3	0	0	3	PC	T	4,11,15
4.	26CEE304	Strength of Materials	2	0	2	3	PC	TP	4,9,11
5.	26CEE305	AI in Civil Engineering	3	0	0	3	PC	T	4,9,11
6.	26CES306	Surveying	2	0	2	3	PC	TP	4,11,15
7.	26CEE307	Fluid Mechanics and Machinery Laboratory	0	0	4	2	PC	P	4,6,9
8.	26SDC308	Career Development Course II	1	0	0	1	SDC	T	4,8
9.	26CEH309	Indian Knowledge System	1	0	0	0	MC	T	4,11
TOTAL			18	2	8	23			

IV Semester

Sl No	Course code	Name of the course	L	T	P	C	Type	T/P	SDG Mapping
1.	26CEH401	Project Management Techniques	3	1	0	4	BS	T	4,8,9,2
2.	26CEE402	Advanced Strength of Materials	3	1	0	4	PC	T	4,9,11
3.	26CEE403	Soil Mechanics	2	0	2	3	PC	TP	4,9,11
4.	26CEE404	Applied Hydraulic Engineering	3	0	0	3	PC	T	4,6,9,11
5.	26CEE405	Concrete Technology	2	0	2	3	PC	TP	4,9,11,2
6.	26CEE406	Building Planning and Drafting Laboratory	0	0	4	2	PC	P	4,11
7.	26CEE407	Core Elective 1	3	0	0	3	CE	T	4,8
8.	26CES408	Industrial training / Internship -I (for 2 weeks)	0	0	0	1	EE	P	4,8,17
9.	26CES409	Professional Skill Development II	1	0	0	1	SDC	T	4,8
10.	26CEH410	Indian Constitution	1	0	0	0	MC	T	4,16
TOTAL			18	2	8	24			



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V Semester									
Sl No	Course code	Name of the course	L	T	P	C	Type	T/P	SDG Mapping
1.	26CEE501	Structural Analysis I	3	1	0	4	PC	T	4,9,11
2.	26CEE502	Foundation Engineering	3	0	0	3	PC	T	4,9,11
3.	26CEE503	Design of Reinforced Cement Concrete Elements	3	0	0	3	PC	T	4,9,11
4.	26CEE504	Highway Engineering	2	0	2	3	PC	TP	4,9,11
5.	26CEE505	Water Supply Engineering	2	0	2	3	PC	TP	3,4,6,11
6.	26CEE506	Computational Civil Engineering Laboratory	0	0	4	2	PC	P	4,9
7.	26CEE507	Core Elective -2	3	0	0	3	CE	T	4,9,11
8.	26SDC508	Professional Skill Development III	1	0	0	1	SDC	T	4,8
9.	26CES509	Business Ethics for Engineers	1	0	0	0	MC	T	4,16
TOTAL			18	1	8	22			
10.	26CEM11	Minor Elective –I	3	0	0	3	ME	T	
11.	26CEM12	Minor Elective –II	3	0	0	3	ME	T	
VI Semester									
Sl No	Course code	Name of the course	L	T	P	C	Type	T/P	SDG Mapping
1.	26CEE601	Structural Analysis – II	3	1	0	4	PC	T	4,9,11
2.	26CEE602	Design of Steel Structural Elements	3	0	0	3	PC	T	4,9,11
3.	26CEE603	Irrigation Engineering	2	0	2	3	PC	TP	2,4,6,15
4.	26CEE604	Wastewater Engineering	2	0	2	3	PC	TP	4,6,14,15
5.	26CEE605	Air Pollution and Control	3	0	0	3	PC	T	3,4,11,13
6.	26CEE606	Core Elective -3	3	0	0	3	CE	T	4,9,11
7.	26CEE607	Core Elective -4	3	0	0	3	CE	T	4,9,11
8.	26CES608	Mini Project	0	0	6	3	EE	P	4,9,11,17
9.	26SDC609	Career Development Skills III	1	0	0	1	SDC	T	4,8
10.	26CES610	Industrial training / Internship -II (for 2 weeks)	0	0	0	1	EE	P	4,8,17
TOTAL			20	1	10	27			
11.	26CEE611	Minor Elective –III	3	0	0	3	ME	T	
12.	26CEE612	Minor Elective –IV	3	0	0	3	ME	T	



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VII Semester									
Sl No	Course code	Name of the course	L	T	P	C	Type	T/P	SDG Mapping
1.	26CEE701	Estimation, Costing and Valuation Engineering	3	0	0	3	PC	T	4,8,12
2.	26CEE702	Structural design and drawing	2	0	2	3	PC	TP	4,9,11
3.	26CEE703	Remote sensing and GIS	2	0	2	3	PC	TP	4,11,13,15
4.	26CEE704	Core Elective -5	3	0	0	3	CE	T	4,9,11
5.	26CEE705	Core Elective -6	3	0	0	3	CE	T	4,9,11
6.	26CEE706	Open Elective -1	3	0	0	3	OE	T	4,9,11
7.	26CEE707	Project Phase –I	0	0	4	2	EE	P	4,9,11,17
8.	26CEE708	Professional Skill Development IV	1	0	0	1	SDC	T	4,8
TOTAL			20	1	8	21			
9.	26CEM709	Minor Elective –V	3	0	0	3	ME	T	
10.	26CEM710	Minor Elective –VI	3	0	0	3	ME	T	
VIII Semester									
Sl No	Course code	Name of the course	L	T	P	C	Type	T/P	SDG Mapping
1.	26ECEEE801	Open Elective-2 / Self-study (NPTEL/Swayam)	3	0	0	3	OE	T	4
2.	26ECEEE802	Open Elective -3/ Self-study (NPTEL/Swayam)	3	0	0	3	OE	T	4
3.	26EEE803	Project Phase 2	0	0	20	10	EE	P	4,9,11,17
TOTAL			6	0	20	16			

TOTAL CREDIT –177



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Core Elective- 1&2 Core

Sl no	Course Code	Name of the course	L	T	P	C	Type	T/P
1.	26CEE901	Airport and Harbor Engineering	3	0	0	3	C Elective	T
2.	26CEE902	Housing planning and management	3	0	0	3	C Elective	T
3.	26CEE903	Municipal solid waste management	3	0	0	3	C Elective	T
4.	26CEE904	Ground Improvement Techniques	3	0	0	3	C Elective	T
5.	26CEE905	Environmental Laws and Policy	3	0	0	3	C Elective	T
6.	26CEE906	Prefabricated Structures	3	0	0	3	C Elective	T

Core Elective- 3 & 4 Extended Core

Sl no	Course Code	Name of the course	L	T	P	C	Type	T/P
1.	26CEE907	Construction Management and Safety	3	0	0	3	C Elective	T
2.	26CEE908	Tall Structures	3	0	0	3	C Elective	T
3.	26CEE909	Construction planning and scheduling	3	0	0	3	C Elective	T
4.	26CEE910	Advanced Construction Techniques	3	0	0	3	C Elective	T
5.	26CEE911	Smart Cities	3	0	0	3	C Elective	T
6.	26CEE912	Environmental Impact and Assessment	3	0	0	3	C Elective	T

Core Elective- 5&6 Advanced Core

Sl no	Course Code	Name of the course	L	T	P	C	Type	T/P
1.	26CEE913	Hydrology and Water Resources Engineering	3	0	0	3	S Elective	T
2.	26CEE914	Structural Dynamics and Earthquake Engineering	3	0	0	3	S Elective	T
3.	26CEE915	Industrial Wastewater Engineering	3	0	0	3	S Elective	T
4.	26CEE916	Human Values and Ethics	3	0	0	3	S Elective	T
5.	26CEE917	Repair and rehabilitation engineering	3	0	0	3	S Elective	T
6.	26CEE918	Pre-Stressed Concrete Structures	3	0	0	3	C Elective	T



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List of Electives for Minor with 3 0 0 3 L T P C

Artificial Intelligence	Advanced Manufacturing	Computing Technologies	IT	VLSI
Cloud architecture & Treat Modelling	Integrated Product Design and Development	Distributed Computing	Software Testing and Automation	Automotive Electronics
Secure Software Supply Chain Security	Advances in Welding and Joining Technologies	Cloud Computing	Mobile Computing	Advanced Digital System Design
Health Care Analysis	Smart Manufacturing Technologies	Wireless communication	E-Commerce Technologies	Statistical Signal Processing
Soft Computing	Robotics and Material Handling Systems	Adhoc and Sensor Networks	Decision Support Systems	Digital Control Engineering
Mobile Computing	Design for Manufacturing and Assembly	Machine Learning	IT Project Management	Digital Image Processing
Image Processing and Computer Vision	Predictive Maintenance using Data Analytics	Deep Neural Networks	Digital Twin Technology	Embedded Systems Design
Expandable AI	Expert system for decision making	Digital Image Processing	Edge Computing	Analog Electronics
Responsible AI	Precision Manufacturing	Computer Vision	Web Engineering	Network Theory
Reinforcement Learning	Quality and Reliability Engineering	Quantum Computing	Distributed Systems	High Speed Digital Design
Edge and Fog Computing	CAD/CAM/CIM	Soft Computing	Augmented Reality and Virtual Reality	Quantum Communication

#Open Electives are to be selected from the list of minor Electives any major.

Note: A student should select One out of these verticals to gain 18 Credits for minor degree program



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SUMMARY OF CREDITS DISTRIBUTION											
Sl No	Stream	CATEGORY	Semester wise Credit distribution								Total
			1	2	3	4	5	6	7	8	
1.	Humanities	SH	4	4	-	-	-	-	-	-	08
2.	Basic Science	BS	7	7	4	4	-	-	-	-	22
3.	Basic Engineering	BE	11	9	-	-	-	-	-	-	20
4.	Professional Core	PC	-	-	18	15	18	16	9	-	76
5.	Core Elective	CE	-	-	-	3	3	6	6	-	18
6.	Open Elective/self learning	OE/SL	-	-	-	-	-	-	3	6	09
7.	Employability Enhancement	EE	-	-	-	1	-	4	2	10	17
8.	Minor Elective	ME	-	-	-	-	6	6	6	-	18
9.	Skill development	SD	1	1	1	1	1	1	1	-	07
10.	Value Added courses	VC	0	0	0	0	0	0	0	-	00
11.	Mandatory courses	MC	-	-	0	0	0	0	-	-	00
	Total		23	21	23	24	22	27	21	16	177

Sl No	Structure of UG CIVIL Engineering Program	SSEC Credits	AICTE Model*
1.	Humanities and Social Sciences (SH): including Management	8	12
2.	Basic Sciences (BS): including Mathematics, Physics, Chemistry, Biology	22	21
3.	Engineering Sciences (BE): Including Materials, Workshop, Drawing, Basics of Electrical/Electronics/Mechanical/Computer Engineering, Instrumentation	20	101
4.	Professional Subjects-Core (PC): relevant to the chosen specialization/branch; (May be split into Hard (no choice) and Soft (with choice), if required	76	
5.	Core Electives (CE): Professional Subjects –relevant to the chosen specialization/ branch	18	6
6.	Open Electives (OE): Subjects-from other technical and/or emerging subject areas from different specialisations	9	6
7.	Employability Enhancement Courses (EE): Career Guidance and Professional Skills Development, Project Work, Seminar and/or Internship in Industry or elsewhere.	17	17
8.	Mandatory Courses (CE)	0	0
9.	Skill development (SD)	7	0
	Total	177	163

**Minor Variations is allowed as per need of the respective disciplines



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Curriculum and Regulation 2026 Department of CIVIL Engineering

I Semester

Sl No	Course Code	Name of the Course	L	T	P	C	Type	T/P	SDG Mapping
1	26CEH101	Heritage of Tamils	1	0	0	1	HS	T	3,4,8,10, 15,16,17
2	26CEH102	Technical English	3	0	0	3	HS	T	3,4,8,10, 15,16,17
3	26CES101	Applied Mathematics for Engineering	3	1	0	4	BS	T	3,4,8,10, 15,16,17
4	26CES102	Applied Physics for Engineering	2	0	2	3	BS	TP	3,4,8,10,13, 15,16,17
5	26CEE101	Basics of Engineering and Technology	3	0	0	3	BE	T	3,4,6,7,8, 10,13, 15,16,17
6	26CEE102	Problem Solving using Python Programming	2	0	2	3	BE	TP	3,4,8,10, 15,16,17
7	26CEE103	Engineering Graphics	2	0	2	3	BE	TP	3,4,8,10, 15,16,17
8	26CEE104	Basic Engineering Laboratory	0	0	4	2	BE	P	3,4,8,10, 15,16,17
9	26SDC101	Career Development Skills I	1	0	0	1	SDC	T	3,4,8,10, 15,16,17
10	-	Induction Programme	-	-	-	-	-	-	3,4,6,7,8, 10,13, 15,16,17
TOTAL			17	01	10	23			

II Semester

Sl No	Course code	Name of the course	L	T	P	C	Type	T/P	SDG Mapping
1	26CEH201	Tamils and Technology	1	0	0	1	HS	T	3,4,8,10, 15,16,17
2	26CEH202	Professional English	3	0	0	3	HS	T	3,4,8,10, 15,16,17
3	26CES201	Applications of Transforms and Partial Differential Equations	3	1	0	4	BS	T	3,4,8,10, 15,16,17
4	26CES202	Applied Chemistry and Environmental Science	2	0	2	3	BS	TP	3,4,6,7,8,10,13,15, 16,17
5	26CEE201	Engineering Mechanics	3	1	0	4	BE	T	3,4,8,10,13,15,16, 17
6	26CEE202	Digital Electronics	2	0	2	3	BE	TP	3,4,8,10, 15,16,17
7	26CEE203	Computer Aided Modeling and 3D Printing Laboratory	0	0	4	2	BE	P	3,4,8,10, 15,16,17
8	26SDC201	Professional Skill Development I	1	0	0	1	SDC	T	3,4,8,10, 15,16,17