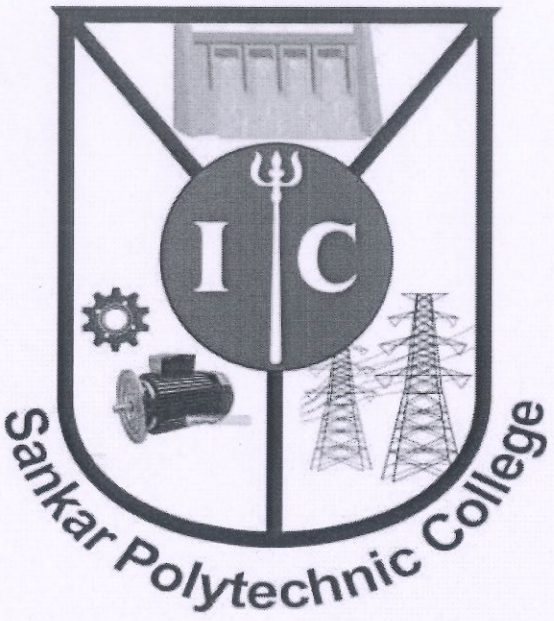
SANKAR POLYTECHNIC COLLEGE

SANKARNAGAR, TIRUNELVELI - 627 357

(AN GOVT.AIDED AUTONOMOUS INSTITUTION, APPROVED BY AICTE & AFFLIATED TO DoTE)



P-SCHEME - CURRICULAM

Department of Civil Engineering

[III Semester – VI Semester]

SANKAR POLYTECHNIC COLLEGE [AUTONOMOUS], SANKAR NAGAR – 627357

P SCHEME REGULATION

CIVIL ENGINEERING

SEMESTER - III

S.no	Course Category	Course Type	Code	Course Title	L-T-P	Period	Credit	End Exam
1	Program Core	Theory	P131	Construction Materials	3-0-0	45	3	Theory
2	Program Core	Practicum	P132	Mechanics of Materials	1-0-4	75	3	Practical
3	Program Core	Practicum	P133	Surveying Practice	1-0-4	75	3	Practical
4	Program Core	Practicum	P134	Building Planning and Drawing	1-0-4	75	3	Practical
5	Program Core	Practicum	P135	Hydraulics	1-0-4	75	3	Practical
6	Program Core	Practicum	P136	Material Testing Lab	1-0-4	75	3	Practical
7	Open Elective	Advanced Skill Certification	P137	Advanced Skills Certification-III	0-0-4	60	2	NA
8	Humanities & Social Science	Integrated Learning Experience	P1301	Growth Lab	-	30	0	-
9	Audit Course	Integrated Learning Experience	P1302	Induction Program II	-	16	0	-
10	Audit Course	Integrated Learning Experience	P1303	I&E / Club Activity / Community Initiatives	-	16	0	-
11	Audit Course	Integrated Learning Experience	P1304	Shop Floor Immersion	-	6	0	-
12	Audit Course	Integrated Learning Experience	P1305	Student Led Initiative	-	24	0	-
13	Audit Course	Integrated Learning Experience	P1306	Emerging Technology Seminars	-	8	0	-
14	Audit Course	Integrated Learning Experience	P1307	Health&Wellness	0-0-2	30	1	NA
Library					-	15	0	-
Test and Revision					-	15	0	-
TOTAL					-	**640**	**21**	-

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P SCHEME REGULATION

SEMESTER - IV

S.no	Course Category	Course Type	Code	Course Title	L-T-P	Period	Credit	End Exam
1	Program Core	Theory	P141	Transportation Engineering	3-0-0	45	3	Theory
2	Program Core	Practicum	P142	Mechanics of Structures	1-0-4	75	3	Practical
3	Program Core	Practicum	P143	Soil Mechanics and Foundation Engineering	1-0-3	60	3	Practical
4	Program Core	Practicum	P144	Concrete Technology	1-0-4	75	3	Practical
5	Program Core	Practicum	P145	Construction Practices	1-0-4	75	3	Practical
6	Program Core	Practicum	P146	Estimation and Costing	1-0-4	75	3	Practical
7	Open Elective	Advanced Skill Certification	P147	Advanced Skills Certification - 4	0-0-4	60	2	NA
8	Audit Course	Integrated Learning Experience	P1401	I&E/ Club Activity/ Community Initiatives	-	40	0	-
9	Audit Course	Integrated Learning Experience	P1402	Shop floor Immersion	-	8	0	-
10	Audit Course	Integrated Learning Experience	P1403	Student-Led Initiative	-	25	0	-
11	Audit Course	Integrated Learning Experience	P1404	Emerging Technology Seminars	-	12	0	-
12	Audit Course	Integrated Learning Experience	P1405	Health & Wellness	-	30	0	-
13	Audit Course	Integrated Learning Experience	P1406	Special Interest Groups (Placement Training)	-	30	0	-
Library					-	15	0	-
Test and Revision					-	15	0	-
TOTAL					-	**640**	**20**	-

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P SCHEME REGULATION

SEMESTER - V

S.no	Course Category	Course Type	Code	Course Title	L-T-P	Period	Credit	End Exam
1	Program Core	Theory	P151	Design of RCC Structures (Limit State Method)	4-0-0	60	4	Theory
2	Program Elective	Practicum	P152x	Elective - I	1-0-4	75	3	Practical
3	Program Core	Lab	P153	Computer Application in Civil Engineering	0-0-4	60	2	Practical
4	Program Core	Practicum	P154	Construction Management and Safety Practice	1-0-4	75	3	Practical
5	Program Core	Practicum	P155	Environmental Engineering	1-0-4	75	3	Practical
6	Program Core	Practicum	P156	Innovation & Startup	1-0-2	45	2	Project
7	Project/Internship	Internship	P157	Industrial Training (Summer Vacation - 90 Hours)	-	-	2	Project
8	Open Elective	Advanced Skill Certification	P158	Advanced Skills Certification - V	0-0-4	60	2	NA
9	Audit Course	Integrated Learning Experience	P1501	Induction program - III	-	40	0	-
10	Audit Course	Integrated Learning Experience	P1502	Student-Led Initiative	-	45	0	-
11	Audit Course	Integrated Learning Experience	P1503	Health & Wellness	-	30	0	-
12	Audit Course	Integrated Learning Experience	P1504	Special Interest Groups (Placement Training)	-	40	0	-
Library						15	0	-
Test and Revision						15	0	-
TOTAL						**635**	**22**	

ELECTIVE THEORY - 1

S.no	Course Category	Course Type	Code	Course Title	L-T-P	Period	Credit	End Exam
1	ProgramElective	Practicum	P1521	Mechanical, Electrical, and Plumbing Services	1-0-4	75	3	Practical
2	ProgramElective	Practicum	P1522	Defects in Building and Remedies	1-0-4	75	3	Practical
3	ProgramElective	Practicum	P1523	Advanced Concrete technology	1-0-4	75	3	Practical
4	ProgramElective	Practicum	P1524	Advanced Surveying	1-0-4	75	3	Practical

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P SCHEME REGULATION

SEMESTER - VI

S.no	Course Category	Course Type	Code	Course Title	L-T-P	Period	Credit	End Exam
1	Open Elective	Practicum	P 161x	Electives - 2	3-0-0	45	3	Theory
2	Open Elective	Practicum	P 161y	Electives - 3	1-0-4	75	3	Practical
3	Project/Internship	Project/Internship	P 161z	In-house Project / Internship / Fellowship **	-	540	12	Project
TOTAL						660	18	

ELECTIVE THEORY - 2 (PATHWAY)

S.no	Course Category	Course Type	Code	Course Title	L-T-P	Period	Credit	End Exam
1	Elective | Higher Education	Practicum	P1611	Advanced Engineering Mathematics	3-0-0	45	3	Theory
2	Elective | Entrepreneurship	Practicum	P1612	Entrepreneurship	3-0-0	45	3	Theory
3	Elective | Technocrats	Practicum	P1613	Urban Planning and Development	3-0-0	45	3	Theory
4	Elective | Technocrats	Practicum	P1614	Finance Fundamentals	3-0-0	45	3	Theory
5	Elective | TTechnologists	Practicum	P1615	Irrigation and water resource engineering	3-0-0	45	3	Theory
6	Elective | TTechnologists	Practicum	P1616	Building Bye Laws and Statutory drawings	3-0-0	45	3	Theory
7	Elective | TTechnologists	Practicum	P1617	Advanced transportation Engineering	3-0-0	45	3	Theory
8	Elective | TTechnologists	Practicum	P1618	Advanced Environmental Engineering	3-0-0	45	3	Theory

ELECTIVE THEORY - 3 (SPECIALIZATION)

S.no	Course Category	Course Type	Code	Course Title	L-T-P	Period	Credit	End Exam
1	Elective	Practicum	P1621	Artificial Intelligence and Machine Language in Construction Management	1-0-4	75	3	Practical
2	Elective	Practicum	P1622	Structural Detailing for RCC elements	1-0-4	75	3	Practical
3	Elective	Practicum	P1623	Design and Drawing of Steel Elements	1-0-4	75	3	Practical
4	Elective	Practicum	P1624	Glass Processing Technology	1-0-4	75	3	Practical

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PROJECT / INTERNSHIP

S.no	Course Category	Course Type	Code	Course Title	L-T-P	Period	Credit	End Exam
1	Project / internship	Project / internship	P 1631	Internship	-	540	12	Project
2	Project / internship	Project / internship	P 1632	Fellowship	-	540	12	Project
3	Project / internship	Project / internship	P 1633	In-house Project	-	540	12	Project

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