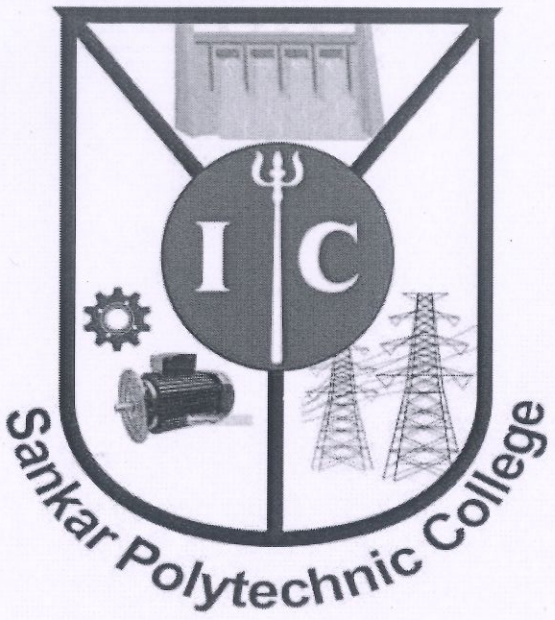
SANKAR POLYTECHNIC COLLEGE

SANKARNAGAR, TIRUNELVELI - 627 357

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



P-SCHEME - CURRICULAM

Department of Computer Engineering

[III Semester – VI Semester]

SANKAR POLYTECHNIC COLLEGE [AUTONOMOUS], SANKAR NAGAR – 627357

P SCHEME REGULATION

COMPUTER ENGINEERING

SEMESTER - III

S.no	Course Category	Course Type	Code	Course Title	L-T-P	Period	Credit	End Exam
1	Program Core	Theory	P231	Digital Logic Design	3-0-0	45	3	Theory
2	Program Core	Practicum	P232	RDBMS	2-0-4	90	4	Practical
3	Program Core	Practical/Lab	P233	Digital Logic Design Lab	0-0-4	60	2	Practical
4	Program Core	Practicum	P234	C Programming	1-0-4	75	3	Practical
5	Program Core	Practicum	P235	Python Programming	1-0-4	75	3	Practical
6	Program Core	Practicum	P236	Operating Systems	1-0-2	45	2	Practical
7	Open Elective	Advanced Skill Certification	P237	Advanced Skills Certification - 3	0-0-4	60	2	NA
8	Humanities & Social Science	Integrated Learning Experience	P2301	Growth Lab	0-0-2	30	0	-
9	Audit Course	Integrated Learning Experience	P2302	Induction Program II	-	16	0	-
10	Audit Course	Integrated Learning Experience	P2303	I&E/ Club Activity/ Community Initiatives	-	15	0	-
11	Audit Course	Integrated Learning Experience	P2304	Shop floor Immersion	-	8	0	-
12	Audit Course	Integrated Learning Experience	P2305	Student-Led Initiative	-	23	0	-
13	Audit Course	Integrated Learning Experience	P2306	Emerging Technology	-	8	0	-
14	Audit Course	Integrated Learning Experience	P2307	Health & Wellness	0-0-2	30	1	NA
Library					-	15	-	-
Test and Revision					-	45	-	-
TOTAL						**640**	**20**	

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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	P241	Computer Networks and Security	3-0-0	45	3	Theory
2	Program Core	Practicum	P242	Data Structures Using Python	2-0-4	90	4	Practical
3	Program Core	Practicum	P243	Java Programming	2-0-4	90	4	Practical
4	Program Core	Practicum	P244	Web Designinig	1-0-4	75	3	Practical
5	Program Core	Practicum	P245	Comp.Hw & Ntworking	1-0-4	75	3	Practical
6	Program Core	Project	P246	Scripting Languages	0-0-6	90	3	Practical
7	Open Elective	Advanced Skill Certification	P247	Advanced Skills Certification - 4	0-0-4	60	2	NA
8	Audit Course	Integrated Learning Experience	P2401	I&E/ Club Activity/ Community Initiatives	-	15	0	-
9	Audit Course	Integrated Learning Experience	P2402	Shop floor Immersion	-	8	0	-
10	Audit Course	Integrated Learning Experience	P2403	Student-Led Initiative	-	16	0	-
11	Audit Course	Integrated Learning Experience	P2404	Emerging Technology Seminars	-	8	0	-
12	Audit Course	Integrated Learning Experience	P2405	Health & Wellness	-	15	0	-
13	Audit Course	Integrated Learning Experience	P2406	Special Interest Groups	-	8	0	-
Library					-	15	-	-
Test and Revision					-	30	-	-
TOTAL						**640**	**22**	

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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	Practicum	P251	Machine Learning Using Python	2-0-2	60	3	Practical
2	Program Elective	Theory	P252(X)	Elective-1	3-0-0	45	3	Theory
3	Program Core	Practical	P253	Internet of Things & Digital Twins	0-0-4	60	2	Practical
4	Program Core	Practicum	P254	Component Based Technology	1-0-4	75	3	Practical
5	Program Elective	Practicum	P255(Y)	Elective-2	1-0-4	75	3	Practical
6	Humanities & Social Science	Practicum	P256	Innovation and Startup	1-0-2	45	2	Project
7	Project/ Internship	Project/ Internship	P257	Industrial Training * [Summer Vacation - 90 Hours]	-	-	2	Project
8	Open Elective	Internship	P258	Advanced Skills Certification - 5	0-0-4	60	2	NA
9	Audit Course	Integrated Learning Experience	P2501	I&E/ Club Activity/ Community Initiatives	-	15	0	-
10	Audit Course	Integrated Learning Experience	P2502	Shop floor Immersion	-	8	0	-
11	Audit Course	Integrated Learning Experience	P2503	Student-Led Initiative	-	24	0	-
12	Audit Course	Integrated Learning Experience	P2504	Emerging Technology Seminars	-	8	0	-
13	Audit Course	Integrated Learning Experience	P2505	Health & Wellness	-	30	0	-
14	Audit Course	Integrated Learning Experience	P2506	Special Interest Groups	-	30	0	-
Library					-	15	-	-
Test and Revision					-	75	-	-
					-	**625**	**20**	-

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P SCHEME REGULATION

ELECTIVE - I

S.no	Course Category	Course Type	Code	Course Title	L-T-P	Period	Credit	End Exam
1	Program Elective	Theory	P2521	Cloud Computing	3-0-0	45	3	Theory
2	Program Elective	Theory	P2522	Data Warehousing and Data Mining	3-0-0	45	3	Theory
3	Program Elective	Theory	P2523	Project Manangement	3-0-0	45	3	Theory
4	Program Elective	Theory	P2524	Agile Product Development	3-0-0	45	3	Theory
5	Program Elective	Theory	P2525	5G Technology	3-0-0	45	3	Theory
6	Program Elective	Theory	P2526	Block Chain Technology	3-0-0	45	3	Theory

ELECTIVE - 2

S.no	Course Category	Course Type	Code	Course Title	L-T-P	Period	Credit	End Exam
1	Program Elective	Practicum	P2551	Data Analytics	1-0-4	75	3	Practical
2	Program Elective	Practicum	P2552	Mobile Computing	1-0-4	75	3	Practical
3	Program Elective	Practicum	P2553	E-Publishing Tools	1-0-4	75	3	Practical
4	Program Elective	Practicum	P2554	Multimedia Systems	1-0-4	75	3	Practical
5	Program Elective	Practicum	P2555	Full Stack Developer	1-0-4	75	3	Practical
6	Program Elective	Practicum	P2556	Robotic Process Automation	1-0-4	75	3	Practical

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SEMESTER - VI

S.no	Course Category	Course Type	Code	Course Title	L-T-P	Period	Credit	End Exam
1	Open Elective	Practicum	P261x	Elective -3 (Pathway)	3-0-0	45	3	Theory
2	Open Elective	Practicum	P262y	Elective -4 (Specialisation)	1-0-4	75	3	Practical
3	Project / Internship	Project / Internship	P263z	Internship/Fellowship/ In-house Project/Industrial Training (SW)	-	540	12	Project
TOTAL					-	**660**	**18**	

ELECTIVE - 3 (PATHWAY)

S.no	Course Category	Course Type	Code	Course Title	L-T-P	Period	Credit	End Exam
1	Elective/ Higher Education	Practicum	P2611	Advanced Engineering Mathematics	3-0-0	45	3	Theory
2	Elective/ Entrepreneurship	Practicum	P2612	Entrepreneurship	3-0-0	45	3	Theory
3	Elective/ Technocrats	Practicum	P2613	Social Network Analysis	3-0-0	45	3	Theory
4	Elective/ Technocrats	Practicum	P2614	Finance Fundamentals	3-0-0	45	3	Theory
5	Elective/ Technologists	Practicum	P2615	Artificial Intelligence	3-0-0	45	3	Theory
6	Elective/ Technologists	Practicum	P2616	DevOps	3-0-0	45	3	Theory

ELECTIVE - 4 (SPECIALIZATION)

S.no	Course Category	Course Type	Code	Course Title	L-T-P	Period	Credit	End Exam
1	Elective	Practicum	P2621	Data Science	1-0-4	75	3	Practical
2	Elective	Practicum	P2622	Cloud Platform	1-0-4	75	3	Practical
3	Elective	Practicum	P2623	Data Visualization	1-0-4	75	3	Practical
4	Elective	Practicum	P2624	Advance DBMS	1-0-4	75	3	Practical
5	Elective	Practicum	P2625	Mobile Application Development	1-0-4	75	3	Practical
6	Elective	Practicum	P2626	Linux Administration	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 2631	Internship	-	540	12	Project
2	Project / internship	Project / internship	P 2632	Fellowship	-	540	12	Project
3	Project / internship	Project / internship	P 2633	In-house Project	-	540	12	Project

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