

**PERI INSTITUTE OF TECHNOLOGY
(AUTONOMOUS)**

**B.E. CIVIL ENGINEERING
Annexure I – CURRICULUM**

SEMESTER I

S.No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY COURSES								
1		Life Skill - I	EEC	1	1	0	0	1
2		Engineering Mathematics I	BSC	4	3	1	0	4
3		Fundamentals of Programming for Problem Solving	ESC	3	3	0	0	3
4		Engineering Graphics and Design	ESC	6	2	0	4	4
5		Personal and Professional Competencies for Engineers	HSMC	1	1	0	0	1
INTEGRATED COURSES								
6		Materials Physics	BSC	5	3	0	2	4
7		Surveying	PCC	5	3	0	2	4
LABORATORY COURSES								
8		Basic Programming Lab	ESC	4	0	0	4	2
9		Communication Laboratory - I	EEC	2	0	0	2	1
TOTAL				31	16	1	14	24

SEMESTER II

S.No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY COURSES								
1		Life Skill - II	EEC	1	1	0	0	1
2		Basic Electrical and Electronics Engineering	ESC	4	4	0	0	4
3		Engineering Mechanics	ESC	3	3	0	0	3
4		Tamils and Technology	HSMC	1	1	0	0	1
INTEGRATED COURSES								
5		Engineering Chemistry	BSC	5	3	0	2	4
6		Engineering Mathematics II	BSC	5	3	0	2	4
7		Building Planning and Architecture	PCC	5	3	0	2	4
LABORATORY COURSES								
8		IDEA Lab	ESC	4	0	0	4	2
9		Communication Laboratory - II	EEC	2	0	0	2	1
MANDATORY COURSE								
10		Environmental Science and Engineering	MC	2	2	0	0	0
TOTAL				32	20	0	12	24

SEMESTER III

S.No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY COURSES								
1		Transforms and Partial Differential Equations	BSC	4	3	1	0	4
2		Strength of Materials	PCC	4	3	1	0	4
3		Mechanics of Fluids	PCC	3	3	0	0	3
4		Life Skill - III	EEC	2	0	0	2	1
5		Invention – Principles and Practices	EEC	2	0	0	2	1
6		Open Elective I	OEC	3	3	0	0	3
INTEGRATED COURSES								
7		Construction Materials	PCC	5	3	0	2	4
LABORATORY COURSES								
8		Computer Aided Building Drawing Laboratory	PCC	3	0	0	3	1.5
9		Strength of Materials Laboratory	PCC	2	0	0	2	1
TOTAL				28	15	2	11	22.5

SEMESTER IV

S.No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY COURSES								
1		Analysis of Structures I	PCC	3	3	0	0	3
2		Highway and Railway Engineering	PCC	3	3	0	0	3
3		Open Elective II	OEC	3	3	0	0	3
4		Life Skill - IV	EEC	2	0	0	2	1
5		Holistic Personality Development and Behavioral Skills	EEC	2	0	0	2	1
INTEGRATED COURSES								
6		Concrete Technology	PCC	5	3	0	2	4
7		Hydraulic Engineering	PCC	5	3	0	2	4
LABORATORY COURSES								
8		Computer Aided Building Modelling Laboratory	PCC	2	0	0	2	1
9		Highway Engineering Laboratory	PCC	2	0	0	2	1
TOTAL				27	15	0	12	21

SEMESTER V

S.No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY COURSES								
1		Analysis of Structures II	PCC	3	3	0	0	3
2		Design of Reinforced Concrete Structural Elements	PCC	3	3	0	0	3
3		Professional Elective I	PEC	3	3	0	0	3
4		Professional Elective II	PEC	3	3	0	0	3
5		Open Elective III	OEC	3	3	0	0	3
INTEGRATED COURSES								
6		Soil Mechanics	PCC	5	3	0	2	4
LABORATORY COURSES								
7		Computer Aided Analysis and Design Laboratory	PCC	3	0	0	3	1.5
TOTAL				23	18	0	5	20.5

SEMESTER VI

S.No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY COURSES								
1		Design of Steel Structural Elements	PCC	3	3	0	0	3
2		Irrigation Engineering	PCC	3	3	0	0	3
3		Foundation Engineering	PCC	3	3	0	0	3
4		Professional Elective III	PEC	3	3	0	0	3
5		Professional Elective IV	PEC	3	3	0	0	3
6		Open Elective IV	OEC	3	3	0	0	3
INTEGRATED COURSES								
7		Water Supply and Waste water Engineering	PCC	5	3	0	2	4
TOTAL				23	21	0	2	22

SEMESTER VII

S.No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY COURSES								
1		Hydrology	PCC	3	3	0	0	3
2		GIS and Remote Sensing	PCC	3	3	0	0	3
3		Professional Elective V	PEC	3	3	0	0	3
		Professional Elective VI	PEC	3	3	0	0	3
INTEGRATED COURSES								
4		Estimation, Costing and Valuation Engineering	PCC	5	3	0	2	4
PRACTICAL COURSES								
5		Internship	EEC	0	0	0	0	2
6		Project Work I	EEC	4	0	0	4	2
TOTAL				23	15	0	8	21

SEMESTER VIII

S.No	COURSE CODE	COURSE TITLE	CATEGORY	CONTACT PERIODS	L	T	P	C
THEORY COURSES								
1		Construction Planning and Scheduling	PCC	3	3	0	0	3
2		Management Principles and Professional Ethics	HSMC	3	3	0	0	3
LABORATORY COURSES								
3		Internship	EEC	0	0	0	0	2
4		Project Work II	EEC	10	0	0	10	5
TOTAL				18	6	0	10	13

CREDIT SUMMARY

S.No	CATEGORY	SEMESTER								TOTAL CREDIT	As Per AICTE
		I	II	III	IV	V	VI	VII	VIII		
1	HSMC	1	2	-	-	-	-	-	3	6	06
2	BSC	8	8	4	-	-	-	-	-	20	24
3	ESC	9	9	-	-	-	-	-	-	18	20
4	PCC	4	4	13.5	16	11.5	13	10	3	75	62
5	PEC	-	-	-	-	6	6	6	-	18	26
6	OEC	-	-	3	3	3	3	-	-	12	12
7	EEC	2	1	2	2	-	-	5	7	19	16
8	IKS	-	-	-	-	-	-	-	-	0	2
	TOTAL	24	24	22.5	21	20.5	22	21	13	168	168