



PSN COLLEGE OF ENGINEERING AND TECHNOLOGY

(AUTONOMOUS)

MELATHEDIYOOR -627152

UG DEGREE PROGRAMME CURRICULUM AND SYLLABUS

(III - IV SEMESTER)

B.E. CIVIL ENGINEERING (REGULATION 2013)

SEMESTER III

Code No.	Course Title	L	T	P	C
THEORY					
101001	Transformation Techniques	3	1	0	3
102001	Concrete technology, Equipments and Construction Practices	3	0	0	3
102002	Building Materials & geology	3	0	0	3
102003	Mechanics of Solids	3	1	0	3
102004	Mechanics of Fluids	3	1	0	3
102005	Surveying- I	3	0	0	3
PRACTICAL					
102101	Survey Practical – I	0	0	4	2
102102	Computer Aided Building Drawing	0	0	3	2
102103	Strength of Materials Lab	0	0	3	2
Total		18	3	10	24

SEMESTER IV

Code No.	Course Title	L	T	P	C
THEORY					
101007	Numerical Methods	3	1	0	3
102006	Soil mechanics	3	1	0	3
102007	Strength of Materials	3	1	0	3
102008	Applied Hydraulic Engineering	3	1	0	3
102009	Surveying – II	3	0	0	3
102010	Highway Engineering	3	0	0	3
PRACTICAL					
102104	Survey Practical –II	0	0	4	2
102105	Hydraulic Engineering Laboratory	0	0	3	2
102106	Soil Mechanics Laboratory	0	0	3	2
Total		18	4	10	24

SEMESTER V

Code No.	Course Title	L	T	P	C
THEORY					
102011	Irrigation Engineering	3	0	0	3
102012	Structural analysis – I	4	1	0	4
102013	Railways, Airport and Harbour Engineering	3	0	0	3
102014	Environmental Engineering I	3	1	0	3
102015	Foundation Engineering	3	1	0	3
102016	Design of RC Elements	4	1	0	4
PRACTICAL					
102107	Concrete and Highway Engineering Lab	0	0	3	2
102108	Communication skills laboratory	0	0	3	2
Total		20	4	6	24

SEMESTER VI

Code No.	Course Title	L	T	P	C
THEORY					
102017	Principles of management	3	0	0	3
102018	Structural Analysis – II	4	1	0	4
102019	Design of Steel Structures	4	1	0	4
102020	Construction Planning & Scheduling	3	0	0	3
102021	Environmental Engineering II	3	1	0	3
#	Elective – I	3	0	0	3
PRACTICAL					
102109	Environmental Engineering Drawing Laboratory	0	0	4	2
102701	Survey Camp (6 days)	-	-	-	2
Total		20	3	4	24

- SEMESTER VI ELECTIVES

ELECTIVES I :

Code No.	Course Title	L	T	P	C
102201	Hydrology	3	0	0	3
102202	Remote Sensing Techniques and GIS	3	0	0	3
102203	Architecture	3	0	0	3
102204	Fundamentals of Nano Technology	3	0	0	3
102205	Total Quality Management	3	0	0	3
102206	Traffic Engineering Management	3	0	0	3
102207	Housing Planning & Management	3	0	0	3

SEMESTER VII

Code No.	Course Title	L	T	P	C
THEORY					
	Design of Reinforced Concrete & Brick Masonry Structures	3	1	0	3
	Water Resources Engineering	3	0	0	3
	Structural Dynamics And Earthquake Engineering	4	1	0	4
	Prestressed Concrete Structures	3	1	0	3
##	Elective – II	3	0	0	3
##	Elective – III	3	0	0	3
PRACTICAL					
	Computer Aided Design and Drafting Laboratory	0	0	4	2
	Estimation and Quantity Surveying	0	1	3	2
	Design Project	0	0	4	2
Total		19	4	11	25

SEMESTER VIII

Code No.	Course Title	L	T	P	C
THEORY					
	Advanced Concrete Technology	3	0	0	3
###	Elective – IV	3	0	0	3
###	Elective – V	3	0	0	3
PRACTICAL					
	Project Work	0	0	15	10
Total		9	0	15	19

TOTAL CREDIT -140

LIST OF ELECTIVES

- SEMESTER VII ELECTIVES

ELECTIVES II:

Code No.	Course Title	L	T	P	C
	Ground Water Engineering	3	0	0	3
	Ground Improvement Techniques	3	0	0	3
	Pavement Engineering	3	0	0	3
	Environmental Impact Assessment of Civil Engineering Projects	3	0	0	3
	Industrial Structures	3	0	0	3

ELECTIVES III:

Code No.	Course Title	L	T	P	C
	Management of Irrigation system	3	0	0	3
	Coastal Zone Management	3	0	0	3
	Air Pollution Management	3	0	0	3
	Municipal Solid Waste Management	3	0	0	3
	Advanced Design of RCC structure	3	0	0	3

- SEMESTER VIII ELECTIVES**ELECTIVES IV:**

Code No.	Course Title	L	T	P	C
	Bridge Structures	3	0	0	3
	Storage Structures	3	0	0	3
	Tall Buildings	3	0	0	3
	Prefabricated structures	3	0	0	3
	Industrial Waste Management	3	0	0	3

ELECTIVES V:

Code No.	Course Title	L	T	P	C
	Computer Aided Design of Structures	3	0	0	3
	Smart Structures and smart Materials	3	0	0	3
	Finite Element Techniques	3	0	0	3
	Repair and Rehabilitation of Structures	3	0	0	3
	Earthquake geotechnical engineering	3	0	0	3