



PSN COLLEGE OF ENGINEERING AND TECHNOLOGY

(AUTONOMOUS)

MELATHEDIYOOR -627152

UG DEGREE PROGRAMME CURRICULUM AND SYLLABUS

(III - VIII SEMESTER)

B.E. CIVIL ENGINEERING (REGULATION 2012)

SEMESTER III

Code No.	Course Title	L	T	P	C
THEORY					
001001	Transformation Techniques	3	1	0	3
001002	Engineering Mechanics	3	1	0	3
002001	Building materials & geology	3	0	0	3
002002	Mechanics of Solids	3	1	0	3
002003	Mechanics of Fluids	3	1	0	3
002004	Surveying– I	3	0	0	3
PRACTICAL					
002101	Survey Practical – I	0	0	4	2
002102	Computer Aided Building Drawing	0	0	3	2
002103	Strength of Materials Lab	0	0	3	2
Total		18	4	10	24

SEMESTER IV

Code No.	Course Title	L	T	P	C
THEORY					
002005	Numerical Methods	3	1	0	3
002006	Soil mechanics	3	1	0	3
002007	Strength of Materials	3	1	0	3
002008	Applied Hydraulic Engineering	3	1	0	3
002009	Surveying – II	3	0	0	3
002010	Highway Engineering	3	0	0	3
PRACTICAL					
002104	Survey Practical –II	0	0	4	2
002105	Hydraulic Engineering Laboratory	0	0	3	2
002106	Soil Mechanics Laboratory	0	0	3	2
Total		18	4	10	24

SEMESTER V

Code No.	Course Title	L	T	P	C
THEORY					
002011	Irrigation Engineering	3	0	0	3
002012	Structural analysis – I	4	1	0	4
002013	Railways, Airport and Harbour Engineering	3	0	0	3
002014	Environmental Engineering I	3	1	0	3
002015	Foundation Engineering	3	1	0	3
002016	Design of RC Elements	4	1	0	4
PRACTICAL					
002107	Concrete and Highway Engineering Lab	0	0	3	2
001104	Communication skills laboratory	0	0	3	2
Total		20	4	6	24

SEMESTER VI

Code No.	Course Title	L	T	P	C
THEORY					
001013	Principles of management	3	0	0	3
002017	Structural Analysis – II	4	1	0	4
002018	Design of Steel Structures	4	1	0	4
002019	Construction Planning & Scheduling	3	0	0	3
002020	Environmental Engineering II	3	1	0	3
#	Elective – I	3	0	0	3
PRACTICAL					
002108	Environmental Engineering Laboratory	0	0	4	2
002701	Survey Camp (6 days)	-	-	-	2
Total		20	3	4	24

LIST OF ELECTIVES

- SEMESTER VI ELECTIVES

ELECTIVES I :

Code No.	Course Title	L	T	P	C
002201	Hydrology	3	0	0	3
002202	Remote Sensing Techniques and GIS	3	0	0	3
002203	Architecture	3	0	0	3
002204	Fundamentals of Nano Technology	3	0	0	3
002205	Total Quality Management	3	0	0	3
002206	Traffic Engineering Management	3	0	0	3
002207	Housing Planning & Management	3	0	0	3

SEMESTER VII

Code No.	Course Title	L	T	P	C
THEORY					
002021	Design of Reinforced Concrete & Brick Masonry Structures	3	1	0	3
002022	Water Resources Engineering	3	0	0	3
002023	Structural Dynamics And Earthquake Engineering	4	1	0	4
002024	Prestressed Concrete Structures	3	1	0	3
##	Elective – II	3	0	0	3
##	Elective – III	3	0	0	3
PRACTICAL					
002109	Computer Aided Design and Drafting Laboratory	0	0	4	2
002110	Estimation and Quantity Surveying	0	1	3	2
002111	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					
002301	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
002208	Ground Water Engineering	3	0	0	3
002209	Ground Improvement Techniques	3	0	0	3
002210	Pavement Engineering	3	0	0	3
002211	Environmental Impact Assessment of Civil Engineering Projects	3	0	0	3
002212	Industrial Structures	3	0	0	3

ELECTIVES III:

Code No.	Course Title	L	T	P	C
002213	Management of Irrigation system	3	0	0	3
002214	Coastal Zone Management	3	0	0	3
002215	Air Pollution Management	3	0	0	3
002216	Municipal Solid Waste Management	3	0	0	3
002217	Advanced Design of RCC structure	3	0	0	3

- SEMESTER VIII ELECTIVES

ELECTIVES IV:

Code No.	Course Title	L	T	P	C
002218	Bridge Structures	3	0	0	3
002219	Storage Structures	3	0	0	3
002220	Tall Buildings	3	0	0	3
002221	Prefabricated structures	3	0	0	3
002222	Industrial Waste Management	3	0	0	3

ELECTIVES V:

Code No.	Course Title	L	T	P	C
002223	Computer Aided Design of Structures	3	0	0	3
002224	Smart Structures and smart Materials	3	0	0	3
002225	Finite Element Techniques	3	0	0	3
002226	Repair and Rehabilitation of Structures	3	0	0	3
002227	Earthquake geotechnical engineering	3	0	0	3