

PSN COLLEGE OF ENGINEERING AND TECHNOLOGY



(An Autonomous Institution Affiliated to Anna University, Chennai)
Approved by AICTE, Recognized by UGC under section 2(f) & 12 (B)
An ISO 9001:2015 Certified Institution Accredited by NAAC with A+
Melathediyoore, Tirunelveli - 627 152



DEPARTMENT OF CIVIL ENGINEERING

MINOR DEGREE SUBJECT LIST

Vertical 1 – Structures

Sl. No	Course Code	Course Name		Classification	L	T	P	C
1.	CE606101	Prefabricated Structures	PE	Theory	3	0	0	3
2.	CE606102	Prestressed Concrete Structures	PE	Theory	2	1	0	3
3.	CE606103	Building Planning and Services	PE	Theory	3	0	0	3
4.	CE606104	Tall Buildings	PE	Theory	3	0	0	3
5.	CE606105	Corrosion of RC Structures	PE	Theory	3	0	0	3
6.	CE606106	Computer Aided Design of Structures	PE	Theory	3	0	0	3
7.	CE606107	Maintenance and Repair of Concrete Structures	PE	Theory	3	0	0	3
8.	CE606108	Design of Masonry Structures (NPTEL)	PE	Theory	3	0	0	3
9.	CE606109	Reinforced Concrete Road Bridges (NPTEL)	PE	Theory	3	0	0	3
10.	CE606110	Finite Element Method and Computational Structural Dynamics (NPTEL)	PE	Theory	3	0	0	3

Vertical 2 – Constructions

Sl. No	Course Code	Course Name		Classification	L	T	P	C
1.	CE606201	Construction Planning and Scheduling	PE	Theory	3	0	0	3
2.	CE606202	Energy Conservation Methods in Construction	PE	Theory	3	0	0	3
3.	CE606203	Advanced Construction Techniques	PE	Theory	3	0	0	3
4.	CE606204	Green Construction	PE	Theory	3	0	0	3
5.	CE606205	Environmental Impact Assessment for Construction Engineers	PE	Theory	3	0	0	3
6.	CE606206	Project Formulation and Appraisal	PE	Theory	3	0	0	3
7.	CE606207	Modern Construction Materials (NPTEL)	PE	Theory	3	0	0	3
8.	CE606208	Basic Construction Materials	PE	Theory	3	0	0	3
9.	CE606209	Development and Application of Special Concrete (NPTEL)	PE	Theory	3	0	0	3
10.	CE606210	Introduction to Lean Construction (NPTEL)	PE	Theory	3	0	0	3

Vertical 3 – Water Resources & Environmental

Sl. No	Course Code	Course Name		Classification	L	T	P	C
1.	CE606301	Water Resources Engineering	PE	Theory	3	0	0	3
2.	CE606302	Industrial Waste Management	PE	Theory	3	0	0	3
3.	CE606303	Environmental Monitoring Instruments	PE	Theory	3	0	0	3
4.	CE606304	Air Pollution & Control	PE	Theory	3	0	0	3
5.	CE606305	Environmental Impact Assessment	PE	Theory	3	0	0	3
6.	CE606306	Environmental Policy and Legislations	PE	Theory	3	0	0	3
7.	CE606307	Ground Water Hydrology and Management (NPTEL)	PE	Theory	3	0	0	3
8.	CE606308	Surface Water Hydrology	PE	Theory	3	0	0	3
9.	CE606309	Computational Hydraulics (NPTEL)	PE	Theory	3	0	0	3
10.	CE606310	Rural Water Resources Management (NPTEL)	PE	Theory	3	0	0	3

Vertical 4 – Surveying

Sl. No	Course Code	Course Name		Classification	L	T	P	C
1.	CE606401	Hydrographic Surveying	PE	Theory	3	0	0	3
2.	CE606402	Geo- Informatics	PE	Theory	3	0	0	3
3.	CE606403	Satellite Image Processing	PE	Theory	3	0	0	3
4.	CE606404	Cartography	PE	Theory	3	0	0	3
5.	CE606405	Cadastral Surveying	PE	Theory	3	0	0	3
6.	CE606406	Higher Surveying	PE	Theory	3	0	0	3
7.	CE606407	Geographic Information Systems (NPTEL)	PE	Theory	3	0	0	3
8.	CE606408	Modern Surveying Techniques	PE	Theory	3	0	0	3
9.	CE606409	GPS Surveying (NPTEL)	PE	Theory	3	0	0	3
10.	CE606410	Digital Land Surveying and Mapping (NPTEL)	PE	Theory	3	0	0	3

Vertical 5 – Soil & Foundation

Sl. No	Course Code	Course Name		Classification	L	T	P	C
1.	CE606501	Soil Dynamics	PE	Theory	3	0	0	3
2.	CE606502	Advanced Foundation Engineering	PE	Theory	3	0	0	3
3.	CE606503	Ground Improvement Techniques	PE	Theory	3	0	0	3
4.	CE606504	Earthquake Resistant and Design of Foundations	PE	Theory	3	0	0	3
5.	CE606505	Geotechniques for Infrastructure	PE	Theory	3	0	0	3
6.	CE606506	Earth and Earth Retaining Structures	PE	Theory	3	0	0	3
7.	CE606507	Soil Structure Interaction	PE	Theory	3	0	0	3
8.	CE606508	Geotechnical Earthquake Engineering (NPTEL)	PE	Theory	3	0	0	3
9.	CE606509	Unsaturated Soil Mechanics (NPTEL)	PE	Theory	3	0	0	3
10.	CE606510	Geosynthetics Engineering - In Theory and Practice (NPTEL)	PE	Theory	3	0	0	3

Vertical 6 – Transportation

Sl. No	Course Code	Course Name		Classification	L	T	P	C
1.	CE606601	Railway Infrastructure Planning and Design	PE	Theory	3	0	0	3
2.	CE606602	Airport Infrastructure Planning and Design	PE	Theory	3	0	0	3
3.	CE606603	Waterway Infrastructure Planning and Design	PE	Theory	3	0	0	3
4.	CE606604	Road Safety System	PE	Theory	3	0	0	3
5.	CE606605	Intelligent Transportation Systems	PE	Theory	3	0	0	3
6.	CE606606	Environmental Impacts of Transportation	PE	Theory	3	0	0	3
7.	CE606607	Traffic Engineering and Management (NPTEL)	PE	Theory	3	0	0	3
8.	CE606608	Pavement Engineering	PE	Theory	3	0	0	3
9.	CE606609	Urban Planning and Development (NPTEL)	PE	Theory	3	0	0	3
10.	CE606610	GIS for Transportation Systems (NPTEL)	PE	Theory	3	0	0	3