

ANNA UNIVERSITY TIRUCHIRAPPALLI

CURRICULUM 2007

B.E Civil Engineering

SEMESTER I

S.No	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1	HS 1101	Technical English I	4	0	0	100
2	MA 1101	Mathematics I	4	1	0	100
3	HS 1102	Engineering Physics I	4	0	0	100
4	HS 1103	Engineering Chemistry I	4	0	0	100
5	CS 1101	Digital Computer Fundamentals	4	1	0	100
6	ME 1101	Engineering Graphics	2	4	0	100
Practical						
7	HS 1104	Physics and Chemistry Laboratory I	0	0	4	100
8	GE 1101	Engineering Practice	0	0	3	100

SEMESTER II

S.No	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1	HS 1151	Technical English II	4	0	0	100
2	MA 1151	Mathematics II	4	1	0	100
3	HS 1152	Engineering Physics II	4	0	0	100
4	HS 1153	Engineering Chemistry II	4	0	0	100
5	CE 1151	Engineering Mechanics	4	0	0	100
6	GE 1151	Basic Engineering	3	0	0	100
Practical						
7	HS 1154	Physics and Chemistry Laboratory II	0	0	4	100
8	CS 1151	Computer Laboratory	1	0	3	100
9	ME 1151	Engineering Drawing	0	0	3	100

SEMESTER III

S.No	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1		Mathematics III	3	1	0	100
2		Environmental Science and Engineering	3	0	0	100
3		Applied Geology	3	0	0	100
4		Strength of Materials I	3	1	0	100
5		Building Technology	3	0	0	100
6		Surveying I	3	0	0	100
Practical						
7		Strength of Materials Laboratory	0	0	3	100
8		Surveying Practical I	0	0	4	100

SEMESTER IV

S.No	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1		Numerical Methods	3	1	0	100
2		Hydro Mechanics	3	1	0	100
3		Soil Mechanics	3	0	0	100
4		Concrete Technology	3	0	0	100
5		Surveying II	3	0	0	100
6		Strength of Materials II	3	1	0	100
Practical						
7		Soil Mechanics Laboratory	0	0	3	100
8		Surveying Practical II	0	0	4	100

SEMESTER V

S.No	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1		Applied Hydraulics and Machinery	3	0	0	100
2		Design of Reinforced Concrete Elements	4	0	0	100
3		Structural Analysis I	4	0	0	100
4		Transportation Engineering	3	0	0	100
5		Environmental Engineering	3	0	0	100
6		Foundation Engineering	4	0	0	100
Practical						
7		Environmental Engineering Laboratory	0	0	3	100
8		Hydraulics and Machinery Laboratory	0	0	3	100
9		Transportation Laboratory	0	0	3	100

SEMESTER VI

S.No	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1		Design of Reinforced Concrete and Masonry Structures	4	0	0	100
2		Structural Analysis II	4	0	0	100
3		Irrigation Engineering	3	0	0	100
4		Design of Steel Structures	4	0	0	100
5		Construction Equipment Techniques	3	0	0	100
6		Elective I	3	0	0	100
Practical						
7		Irrigation Engineering and Environmental Engineering Design and Drawing	0	0	3	100
8		Field Survey- Survey Camp	0	0	3	100
9		Communication and Soft Skills	0	0	3	100

SEMESTER VII

S.No	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1		Total Quality Management	3	0	0	100
2		Estimation and Quantity Surveying	4	0	0	100
3		Pre Stressed Concrete Structures	4	0	0	100
4		Structural Dynamics and Design of Seismic Structures	4	0	0	100
5		Elective II	3	0	0	100
6		Elective III	3	0	0	100
Practical						
7		Computer Aided Design Drawing	1	0	3	100
8		Concrete Laboratory	0	0	3	100

SEMESTER VIII

S.No	Subject Code	Subject	L	T	P	Max. Marks
Theory						
1		Engineering Sociology	3	0	0	100
2		Management Concepts for Civil Engineers	3	0	0	100
3		Elective IV	3	0	0	100
4		Elective V	3	0	0	100
Practical						
5		Project Work	0	0	12	200

LIST OF ELECTIVES

SEMESTER VI

ELECTIVE I						
Sl.NO	Subject Code	Course Title	L	T	P	Max. Marks
1		Basic of Remote Sensing and Geographical Information System	3	0	0	100
2		Hydrology	3	0	0	100
3		Electronic Surveying	3	0	0	100
4		Cartography	3	0	0	100
5		Environmental Impact Assessment	3	0	0	100

SEMESTER VII

ELECTIVE II						
Sl.NO	Subject Code	Course Title	L	T	P	Max. Marks
1		Contract Laws and Regulations	3	0	0	100
2		Traffic Engineering Management	3	0	0	100
3		Housing Planning and Management	3	0	0	100
4		Ground Water Engineering	3	0	0	100
5		Water Resources Engineering	3	0	0	100

ELECTIVE III						
Sl.NO	Subject Code	Course Title	L	T	P	Max. Marks
1		Ground Improvement Techniques	3	0	0	100
2		Introduction to Soil Dynamics and Machine Foundation	3	0	0	100
3		Industrial Waste Management	3	0	0	100
4		Air Pollution Management	3	0	0	100
5		Municipal Solid Waste and Management	3	0	0	100

SEMESTER VIII

ELECTIVE IV						
Sl.NO	Subject Code	Course Title	L	T	P	Max. Marks
1		Bridge Structures	3	0	0	100
2		Storage Structures	3	0	0	100
3		Tall Buildings	3	0	0	100
4		Prefabricated Structures	3	0	0	100
5		Wind Engineering	3	0	0	100

ELECTIVE V						
Sl.NO	Subject Code	Course Title	L	T	P	Max. Marks
1		Computer Aided Design of Structures	3	0	0	100
2		Industrial Structures	3	0	0	100
3		Smart Structures and Smart Materials	3	0	0	100
4		Finite Elements Technique	3	0	0	100
5		Repair and Rehabilitation of Structures	3	0	0	100