

STUDY & EVALUATION SCHEME
M.TECH: CIVIL ENGINEERING (R)
SPECIALIZATION: STRUCTURAL ENGINEERING
I YEAR: I SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	MHU1002	Technical Communication	2	0	0	40	60	100	2
2	MCE1010	Theory of Elasticity and Plasticity	4	2	0	40	60	100	5
3	MCE1011	Matrix Methods of Structural Analysis	4	2	0	40	60	100	5
4	MCE1012	Structure Dynamics	4	2	0	40	60	100	5
5	MCE1013	Advanced Concrete Technology and Design	4	2	0	40	60	100	5
PRACTICAL/ TRAINING/PROJECT									
6	MCE1504	Concrete Lab	0	0	4	80	20	100	2
TOTAL			18	8	4	280	320	600	24

L - Lecture

T - Tutorial

P - Practical

CIE - Continuous Internal Evaluation

ESE-End Semester Exam

C - Credit

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I YEAR: II SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	MHU2001	Professional Ethics	2	0	0	40	60	100	2
2	MCE2009	Finite Element Method	4	2	0	40	60	100	5
3	MCE2010	Theory of Plates and Shells	4	2	0	40	60	100	5
4	MCE1011	Earthquake Resistant Design of Structures	4	2	0	40	60	100	5
5	-----	Elective-I	4	2	0	40	60	100	5
PRACTICAL/ TRAINING/PROJECT									
6	MCE2504	CAD Lab	0	0	4	80	20	100	2
TOTAL			18	8	4	280	320	600	24

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II YEAR: III SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	--	Elective-II	4	2	0	40	60	100	5
2	--	Elective-III	4	2	0	40	60	100	5
PRACTICAL/ TRAINING/PROJECT									
3	MCE3501	Seminar/Minor Project	-	-	4	100	---	100	4
4	MCE3502	Dissertation-I	-	-	6	100	---	100	6
TOTAL			8	4	10	280	120	400	20

L - Lecture

T - Tutorial

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II YEAR: IV SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
PRACTICAL/ TRAINING/PROJECT									
1	MCE4501	Dissertation-II	-	-	18	80	20	100	18
2	MCE4502	Comprehensive Viva*	-	-	--	100	--	100	2
TOTAL			0	0	18	180	20	200	20

* Based on Field/Industrial Visit

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LIST OF ELECTIVES

ELECTIVE-I			
S. NO.	SUBJECT CODE	SUBJECT	SEMESTER
1	MCE2105	Foundation for High Rise Building and Bridges	II
2	MCE2106	Pre-stressed Concrete	II
3	MCE2107	Rock Mechanics and Tunnelling	II
ELECTIVE-II			
1	MCE3108	Steel and Composite Structures	III
2	MCE3109	Bridge Engineering	III
3	MCE3110	Design of Industrial Structures	III
ELECTIVE-III			
1	MCE3205	Design of Tall Building	IV
2	MCE3206	Analysis and design of Hydraulic Structures	IV
3	MCE3207	Construction Technique and Management	IV