

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

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
<b>THEORY</b>									
1	MHU1001P	Technical Communication	2	0	0	40	60	100	2
2	MCE1003P	Theory of Elasticity and Plasticity	4	2	0	40	60	100	5
3	MCE1004P	Matrix Methods of Structural Analysis	4	2	0	40	60	100	5
<b>PRACTICAL/ TRAINING/PROJECT</b>									
4	MCE1502P	Concrete Lab	0	0	4	80	20	100	2
<b>TOTAL</b>			<b>10</b>	<b>4</b>	<b>4</b>	<b>200</b>	<b>200</b>	<b>400</b>	<b>14</b>

L - Lecture

T - Tutorial

P - Practical

CIE - Continuous Internal Evaluation

ESE-End Semester Exam

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**I YEAR: II SEMESTER**

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
<b>THEORY</b>									
1	MHU2001P	Professional Ethics	2	0	0	40	60	100	2
2	MCE2003P	Finite Element Method	4	2	0	40	60	100	5
3	MCE2004P	Structure Dynamics	4	2	0	40	60	100	5
<b>PRACTICAL/ TRAINING/PROJECT</b>									
4	MCE2502P	CAD Lab	0	0	4	80	20	100	2
<b>TOTAL</b>			<b>10</b>	<b>4</b>	<b>4</b>	<b>200</b>	<b>200</b>	<b>400</b>	<b>14</b>

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**II YEAR: III SEMESTER**

<b>S. NO.</b>	<b>SUBJECT CODE</b>	<b>SUBJECT</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CIE</b>	<b>ESE</b>	<b>TOTAL</b>	<b>C</b>
<b>THEORY</b>									
1	MCE3004P	Theory of Plates and Shells	4	2	0	40	60	100	5
2	MCE3005P	Advanced Concrete Technology and Design	4	2	0	40	60	100	5
3	MCE3006P	Earthquake Resistant Design of Structures	4	2	0	40	60	100	5
<b>TOTAL</b>			<b>12</b>	<b>6</b>	<b>0</b>	<b>120</b>	<b>180</b>	<b>300</b>	<b>15</b>

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**II YEAR: IV SEMESTER**

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
<b>THEORY</b>									
1	-----	Elective-I	4	2	0	40	60	100	5
2	-----	Elective-II	4	2	0	40	60	100	5
<b>PRACTICAL/ TRAINING/PROJECT</b>									
4	MCE4501P	Seminar/Minor Project	-	-	4	100	---	100	4
<b>TOTAL</b>			<b>8</b>	<b>4</b>	<b>4</b>	<b>180</b>	<b>120</b>	<b>300</b>	<b>14</b>

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**III YEAR: V SEMESTER**

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
<b>THEORY</b>									
1	-----	Elective-III	4	2	0	40	60	100	5
<b>PRACTICAL/ TRAINING/PROJECT</b>									
2	MCE5501P	Dissertation-I	-	-	6	100	---	100	6
<b>TOTAL</b>			<b>4</b>	<b>2</b>	<b>6</b>	<b>140</b>	<b>60</b>	<b>200</b>	<b>11</b>

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**III YEAR: VI SEMESTER**

<b>S. NO.</b>	<b>SUBJECT CODE</b>	<b>SUBJECT</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>CIE</b>	<b>ESE</b>	<b>TOTAL</b>	<b>C</b>
<b>PRACTICAL/ TRAINING/PROJECT</b>									
1	MCE6501P	Dissertation-II	-	-	18	80	20	100	18
2	MCE6502P	Comprehensive Viva*	-	-	--	100	--	100	2
<b>TOTAL</b>			<b>0</b>	<b>0</b>	<b>18</b>	<b>180</b>	<b>20</b>	<b>200</b>	<b>20</b>

\* Based on Field/Industrial Visit

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**LIST OF ELECTIVES**

<b>ELECTIVE-I</b>			
<b>S. NO.</b>	<b>SUBJECT CODE</b>	<b>SUBJECT</b>	<b>SEMESTER</b>
1	MCE4105P	Foundation for High Rise Building and Bridges	IV
2	MCE4106 P	Pre-stressed Concrete	IV
3	MCE4107P	Rock Mechanics and Tunnelling	IV
<b>ELECTIVE-II</b>			
1	MCE4205P	Steel and Composite Structures	IV
2	MCE4206P	Bridge Engineering	IV
3	MCE4207P	Design of Industrial Structures	IV
<b>ELECTIVE-III</b>			
1	MCE5105P	Design of Tall Building	V
2	MCE5106P	Analysis and design of Hydraulic Structures	V
3	MCE5107P	Construction Technique and Management	V