



# DR. K. N. MODI UNIVERSITY



**Department  
OF  
Civil Engineering**

**Study and evaluation scheme (2018-19)**

**M.TECH (Structural ENGINEERING)**

### M.Tech. (Structural Engineering) I Semester

S. No.	Subject Code	Subject Name	Period			Evaluation Scheme			Credit
			L	T	P	Continuous Assessment	Final Exam	Total	
1	01MTSE101	Advanced Structural Analysis	3	1	0	40	60	100	4
2	01MTSE102	Structural Dynamics	3	1	0	40	60	100	4
3	01MTSE103/05/06	Elective-I	3	1	0	40	60	100	4
4	01MTSE104	Concrete Technology	3	1	0	40	60	100	4
<b>LAB</b>									
1	01MPSE101	Concrete Technology Lab	0	0	2	50	50	100	1
2	01MPSE102	Structure Lab-I	0	0	2	50	50	100	1
3	01MP1010	Seamless Learning	0	0	2	100		100	1
4	01MP1011	Co-Curricular Activities	0	0	2	100		100	1
	<b>Total</b>		<b>12</b>	<b>4</b>	<b>8</b>			<b>800</b>	<b>20</b>

#### Elective – I

01 MTSE103 Pre-stressed concrete

01 MTSE105 Computer oriented numerical methods

01 MTSE106 Experimental stress analysis

**M.Tech. (Structural Engineering) II Semester**

S. No.	Subject Code	Subject Name	Period			Evaluation Scheme			Credit
			L	T	P	Continuous Assessment	Final Exam	Total	
1	01MTSE201	Design of Advanced Concrete Structures	3	1	0	40	60	100	4
2	01MTSE202/05/06	Elective-II	3	1	0	40	60	100	4
3	01MTSE203	Tall Buildings	3	1	0	40	60	100	4
4	01MTSE204	Plates and Shells	3	1	0	40	60	100	4
<b>LAB</b>									
1	01MPSE201	Structure Lab-II	0	0	2	50	50	100	1
2	01MPSE202	Case Study	0	0	2	50	50	100	1
2	01MP2010	Seamless Learning	0	0	2	100		100	1
3	01MP2011	Co-Curricular Activities	0	0	2	100		100	1
<b>Total</b>			<b>12</b>	<b>4</b>	<b>8</b>			<b>800</b>	<b>20</b>

**Elective-II**

01MTSE202 Bridge Engineering

01MTSE205 Composite materials

01MTSE206 Finite Element Methods

### M. Tech. (Structural Engineering) III Semester

S. No.	Subject Code	Subject Name	Period			Evaluation Scheme			Credit
			L	T	P	Continuous Assessment	Final Exam	Total	
1	02MTSE301	Ground Improvement Techniques	3	1	0	40	60	100	4
2	02MTSE303-02MTSE305	Elective-III	3	1	0	40	60	100	4
<b>LAB</b>									
1	02MPSE301	Seminar	0	0	2	50	50	100	2
1	02MPSE303	*Dissertation	0	0	6	50	50	100	6
2	02MP3010	Seamless Learning	0	0	2	100		100	1
3	02MP3011	Co-Curricular Activities	0	0	2	100		100	1
<b>Total</b>			<b>6</b>	<b>2</b>	<b>12</b>			<b>600</b>	<b>18</b>

#### Elective-III

02MTSE303 Design of Composite Structures

02MTSE304 Theory of Elasticity and Plasticity

02MTSE305 Advanced Steel Design

### M. Tech. (Structural Engineering) IV Semester

S. No	Subject Code	Name of the Subject	Periods			Evaluation Scheme			Credit
			L	T	P	Continuous Assessment	Final Exam	Total	
1	02MPSE 401	Dissertation	0	0	18	200	400	600	18
2	02MP4010	Seamless Learning	0	0	2	100		100	1
3	02MP4011	Co-Curricular Activities	0	0	2	100		100	1
<b>TOTAL</b>					<b>22</b>			<b>800</b>	<b>20</b>