



## M.E. STRUCTURAL ENGINEERING REGULATIONS – 2019 CHOICE BASED CREDIT SYSTEM

### CURRICULUM FOR I TO II SEMESTERS

#### SEMESTER I

SL.NO.	COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	C
<b>THEORY</b>							
1	P19MA101	Advanced Mathematical Methods	BS	3	1	0	4
2	P19ST101	Advanced Concrete Structures	PC	3	0	0	3
3	P19ST102	Theory of Elasticity and Plasticity	PC	3	0	0	3
4	P19ST103	Research Methodology	PC	3	0	0	3
5		Professional Elective I	PE	3	0	0	3
6		Professional Elective II	PE	3	0	0	3
<b>TOTAL</b>				<b>18</b>	<b>1</b>	<b>0</b>	<b>19</b>

#### SEMESTER II

SL.NO.	COURSE CODE	COURSE TITLE	CATEGORY	L	T	P	C
<b>THEORY</b>							
1	P19ST201	Finite Element Analysis	PC	3	0	0	3
2	P19ST202	Experimental Stress Analysis	PC	3	0	0	3
3	P19ST203	Advanced Steel Structures	PC	3	0	0	3
4	P19ST204	Stability of Structures	PC	3	0	0	3
5		Professional Elective III	PE	3	0	0	3
6		Professional Elective IV	PE	3	0	0	3
<b>PRACTICALS</b>							
7	P19ST205	Advanced Structural Engineering Laboratory	PC	0	0	4	2
<b>TOTAL</b>				<b>18</b>	<b>0</b>	<b>4</b>	<b>20</b>



## **PROFESSIONAL ELECTIVES I& II (PE)**

Professional Elective I & II to be selected from the following List

SL.NO.	COURSE CODE	COURSE TITLE	L	T	P	C
1	P19STP01	Repair and Rehabilitation of Structures	3	0	0	3
2	P19STP02	Prefabricated Structures	3	0	0	3
3	P19STP03	Offshore Structures	3	0	0	3
4	P19STP04	Matrix Methods for structural Analysis	3	0	0	3
5	P19STP05	Theory of plates	3	0	0	3

## **PROFESSIONAL ELECTIVES III & IV (PE)**

Professional Elective III & IV to be selected from the following List

SL.NO.	COURSE CODE	COURSE TITLE	L	T	P	C
1	P19STP06	Mechanics of Composite Materials	3	0	0	3
2	P19STP07	Analysis and Design of Tall Building	3	0	0	3
3	P19STP08	Industrial Structures	3	0	0	3
4	P19STP09	Prestressed Concrete	3	0	0	3
5	P19STP10	Wind and Cyclone Effects on Structures	3	0	0	3