



**PRATHYUSHA ENGINEERING COLLEGE**  
**DEPARTMENT OF CIVIL ENGINEERING**  
**ACADEMIC YEAR 2018-19**  
**M.E - STRUCTURAL ENGINEERING - LIST OF COURSES**

SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	Category	Contact Periods	L	T	P	C
I	1.	MA5151	Advanced Mathematical Methods	FC	4	4	0	0	4
I	2.	ST5101	Advanced Concrete Structures	PC	3	3	0	0	3
I	3.	ST5102	Dynamics of Structures	PC	3	3	0	0	3
I	4.	ST5103	Theory of Elasticity and Plasticity	PC	3	3	0	0	3
I	5.	ST5001	Elective I- Maintenance and Rehabilitation of Structures	PE	3	3	0	0	3
I	6.	ST5002	Elective II- Prefabricated Structures	PE	3	3	0	0	3
<b>TOTAL</b>					<b>19</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>19</b>

SEMESTER II									
SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	Category	Contact Periods	L	T	P	C
II	1.	ST5201	Advanced Steel Structures	PC	3	3	0	0	3
II	2.	ST5202	Stability of Structures	PC	3	3	0	0	3
II	3.	ST5203	Experimental Techniques	PC	3	3	0	0	3
II	4.	ST5204	Finite Element Analysis of Structures	PC	3	3	0	0	3
II	5.	ST5009	Elective III- Prestressed Concrete	PE	3	3	0	0	3
II	6.	ST5010	Elective IV-Wind and Cyclone Effects on Structures	PE	3	3	0	0	3
II	7.	ST5211	Advanced Structural Engineering Laboratory	PC	4	0	0	4	2
II	8.	ST5212	Practical Training I (2 weeks)	EEC	0	0	0	0	1
<b>TOTAL</b>					<b>22</b>	<b>18</b>	<b>0</b>	<b>4</b>	<b>21</b>

SEMESTER III									
SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	Category	Contact Periods	L	T	P	C
III	1.	ST5301	Earthquake Analysis and Design of Structures	PE	3	3	0	0	3
III	2.	ST5014	Professional Elective V- Design of Steel Concrete Composite Structures	PE	3	3	0	0	3
III	3.	ST5015	Professional Elective VI- Design of Bridges	PE	3	3	0	0	3
III	4.	ST5311	Practical Training II (2 weeks)	EEC	0	0	0	0	1
III	5.	ST5312	Seminar	EEC	2	0	0	2	1
III	6.	ST5313	Project Work (Phase I)	EEC	12	0	0	12	6
<b>TOTAL</b>					<b>23</b>	<b>9</b>	<b>0</b>	<b>14</b>	<b>17</b>

SEMESTER IV									
SEMESTER	SL. No.	COURSE CODE	COURSE TITLE	Category	Contact Periods	L	T	P	C
IV	1.	ST5411	Practical Training III (2 weeks)	EEC	0	0	0	0	1
IV	2.	ST5412	Project Work (phase II)	EEC	24	0	0	24	12
<b>TOTAL</b>					<b>24</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>13</b>

**TOTAL NO OF CREDITS: 70**

*Sudhakar*  
HOD

*Ramesh P.L.N.*  
PRINCIPAL

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