

**SEM- 1**

Subcode	Subject Name	Category	L	T	P	Total	E	M	I	V	Total
<b>4300001</b>	Mathematics	Basic Sciences	3	1	0	4	70	30	0	0	100
<b>4300002</b>	Communication Skills in English	Humanities & Social Sciences	2	0	2	3	70	30	25	25	150
<b>4300004</b>	Applied Physics	Basic Sciences	3	0	2	4	70	30	25	25	150
<b>4300007</b>	Engineering Drawing	Engineering Sciences	2	0	4	4	70	30	25	25	150
<b>4300015</b>	Sports and Yoga	Audit	0	0	2	0	0	0	50	0	50
<b>4301901</b>	Engineering Workshop Practice	Engineering Sciences	0	0	4	2	0	0	25	25	50
<b>4310001</b>	Basics of Civil Engineering	Engineering Sciences	0	2	2	3	0	0	25	25	50
<b>4310002</b>	Induction Program	Mandatory	0	0	0	0	0	0	0	0	0

**SEM- 2**

Subcode	Subject Name	Category	L	T	P	Total	E	M	I	V	Total
<b>4300003</b>	Environment and Sustainability	General Science	3	0	0	3	70	30	0	0	100
<b>4300008</b>	Engineering Mechanics	Engineering Sciences	3	0	2	4	70	30	25	25	150
<b>4300014</b>	Basics of Electrical and Electronic Engineering	Engineering Sciences	0	2	2	3	0	0	25	25	50
<b>4300016</b>	Indian Constitution	Audit	2	0	0	0	0	0	50	0	50
<b>4300019</b>	Computer Applications and Graphics	Engineering Sciences	0	0	4	2	0	0	25	25	50
<b>4320001</b>	Applied Mathematics	Basic Sciences	3	1	0	4	70	30	0	0	100
<b>4321902</b>	Mechanical Drafting	Engineering Sciences	2	0	4	4	70	30	25	25	150

**SEM- 3**

Subcode	Subject Name	Category	L	T	P	Total	E	M	I	V	Total
<b>4300020</b>	Engineering Material	Engineering Science	3	0	2	4	70	30	25	25	150
<b>4330001</b>	Summer Internship-I	2 Weeks after sem-2	0	0	0	1	0	0	25	25	50
<b>4331901</b>	Theory of Machines and Mechanisms	Program Core	3	0	2	4	70	30	25	25	150
<b>4331902</b>	Engineering Thermodynamics	Program Core	3	0	0	3	70	30	0	0	100
<b>4331903</b>	Manufacturing Engineering-I	Program Core	3	0	4	5	70	30	25	25	150
<b>4331904</b>	Strength of Materials	Program Core	3	0	2	4	70	30	25	25	150
<b>4331905</b>	Computer Aided Machine Drawing Practice	Program Core	0	0	4	2	0	0	25	25	50

**SEM- 4**

Subcode	Subject Name	Category	L	T	P	Total	E	M	I	V	Total
<b>4340001</b>	Essence of Indian Knowledge and Tradition	Elective	2	0	0	2	70	30	25	25	150
<b>4340002</b>	Contributor Personality Development	Elective	2	0	0	2	70	30	25	25	150
<b>4340003</b>	Integrated Personality Development Course	Elective	2	0	0	2	70	30	25	25	150
<b>4341901</b>	Estimating, Costing and Engineering Contracting	compulsory	2	0	0	2	70	30	0	0	100
<b>4341902</b>	Measurements and Metrology	compulsory	3	0	2	4	70	30	25	25	150
<b>4341903</b>	Fluid Mechanics and Hydraulic Machinery	compulsory	2	0	2	3	70	30	25	25	150
<b>4341904</b>	Manufacturing Engineering - II	compulsory	3	0	2	4	70	30	25	25	150
<b>4341905</b>	Thermal Engineering-I	compulsory	2	0	2	3	70	30	25	25	150
<b>4341906</b>	Plant Maintenance and Safety	compulsory	0	0	2	1	0	0	25	25	50

**SEM- 5**

Subcode	Subject Name	Category	L	T	P	Total	E	M	I	V	Total
<b>4300021</b>	Entrepreneurship and Start-ups	compulsory	3	0	0	3	70	30	0	0	100
<b>4351901</b>	Summer Internship-II	compulsory	0	0	6	3	0	0	50	50	100
<b>4351902</b>	Manufacturing Engineering-III	compulsory	3	0	2	4	70	30	25	25	150
<b>4351903</b>	Thermal Engineering-II	compulsory	3	0	2	4	70	30	25	25	150
<b>4351904</b>	Mechanical Engineering Project-I	compulsory	0	0	4	2	0	0	50	50	100
<b>4351905</b>	Tool Engineering	Elective (Any Two)	3	0	2	4	70	30	25	25	150
<b>4351906</b>	Advance Manufacturing System		3	0	2	4	70	30	25	25	150
<b>4351907</b>	Renewable and Green Energy		3	0	2	4	70	30	25	25	150

**SEM- 6**

Subcode	Subject Name	Category	L	T	P	Total	E	M	I	V	Total
<b>4361901</b>	Industrial Engineering & Management	compulsory	3	0	2	4	70	30	25	25	150
<b>4361902</b>	CAD/CAM	compulsory	3	0	2	4	70	30	25	25	150
<b>4361903</b>	Design Of Machine Elements	compulsory	3	0	2	4	70	30	25	25	150
<b>4361904</b>	Mechanical Engineering Project-II	compulsory	0	0	4	2	0	0	50	50	100
<b>4361905</b>	Power Plant Engineering	Open Elective (Any one)	3	0	2	4	70	30	25	25	150
<b>4361906</b>	Robotics and Industrial Automation		3	0	2	4	70	30	25	25	150
<b>4361907</b>	Fabrication Technology		3	0	2	4	70	30	25	25	150
<b>4361908</b>	Thermal Systems & Energy Efficiency		3	0	2	4	70	30	25	25	150