

### Semester I

Sr. No.	Course Type/Code	Course Name	Teaching Scheme			Credits
			L	T	P	
1	PCC 1	Computational Methods	3	0	0	3
2	PCC 2	Microelectronics	3	0	0	3
3	PEC1	Elective I (1) VLSI System Design (2) Digital System Design	3	0	0	3
4	PEC 2	Elective II (1) Medical Electronics (2) Embedded System Design	3	0	0	3
5	Lab 1	Communication Skills	0	0	4	2
6	Lab 2	PG Lab-I	0	0	4	2
7	HSMC	Research Methodology	2	0	0	2
8	MC 1	Mandatory course 1	2	0	0	0
		<b>Total</b>	<b>16</b>	<b>0</b>	<b>8</b>	<b>18</b>

### Semester II

Sr. No.	Course Code	Course Name	Teaching Scheme			Credits
			L	T	P	
1	PCC 3	Advanced DSP	3	0	0	3
2	PCC 4	Nano Electronics	3	0	0	3
3	PEC-3	Elective III (1) Optical Fiber Communication (2) Wireless Sensor Network Design	3	0	0	3
4	PEC-4	Elective IV (1) Advanced Biomedical Signal Processing (2) Internet of Things	3	0	0	3
5	Lab1	Mini Project	0	0	4	2
6	Lab2	PG Lab-II	0	0	4	2
7	PSI	Seminar	0	0	4	2
8	MC 2	Mandatory course 2	2	0	0	0
<b>Total</b>			<b>14</b>	<b>0</b>	<b>12</b>	<b>18</b>

### Semester-III

Sr. No.	Course Code	Course Name	Teaching Scheme			Credits
			L	T	P	
1.	PEC-5	<b>Elective – V</b> (1) Artificial Neural Network and Application (2) Fault Tolerant System	3	0	0	3
2.	OE	1. Business Analytics 2. Industrial Safety 3. Operations Research 4. Cost Management of Engineering Projects 5. Composite Materials 6. Waste to Energy	3	0	0	3
3	PS	Dissertation Phase – I	0	0	20	10
<b>Total</b>			<b>6</b>	<b>0</b>	<b>20</b>	<b>16</b>

### Semester-IV

Sr. No.	Course Code	Course Name	Teaching Scheme			Credits
			L	T	P	
1.	PS	Dissertation Phase - II	--	--	32	16
<b>Total</b>			--	--	--	<b>16</b>

#### Mandatory course 1 & 2

1. English for Research Paper Writing
2. Gandhian Thoughts
3. Disaster Management
4. Sanskrit for Technical Knowledge
5. Value Education
6. Constitution of India
7. Pedagogy Studies
8. Stress Management by Yoga
9. Personality Development through Life Enlightenment Skills.

Sr. No	Category	Abbreviation
1	Humanities and Social Science including Management Courses	HSMC
2	Professional Core Courses	PCC
3	Professional Elective Courses	PEC
4	Open Electives	OE
5	Project work, Seminar	PS
6	Mandatory Courses	MC