



**JAIDEVEDUCATIONSOCIETY'S  
JDCOLLEGE OF ENGINEERING AND MANAGEMENT  
KATOL ROAD, NAGPUR**

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(An Autonomous Institute, with NAAC "A" Grade)

Affiliated to DBATU, RTMNU & MSBTE Mumbai

**Department of Electronics and Telecommunication Engineering**

“Rectifying Ideas, Amplifying Knowledge”

Session 2023-24



॥ ज्ञानम् सर्वाय साधनम् ॥

VISION	MISSION
<p>“To be a Department providing high quality &amp; globally competent knowledge of concurrent technologies in the field of Electronics and Telecommunication.”</p>	<ol style="list-style-type: none"> <li>To provide quality teaching learning process through well-developed educational environment and dedicated faculties.</li> <li>To produce competent technocrats of high standards satisfying the needs of all stakeholders.</li> </ol>

**Teaching Scheme for: B.Tech Electronics and Telecommunication Engineering  
Branch Code: ET**

**Semester: III**

Sr. No	Category of the Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credits	Teaching mode
				L	T	P	CA	MSE	ESE/Ext.Prac	Total		
1	BSC	ET3T001	Multivariate Calculus	2	1	0	20	20	60	100	3	Chalk & Board/ Presentation
2	ESC	ET3T002	Electronic Devices and Circuits	2	1	0	20	20	60	100	3	Chalk & Board/ Presentation
3	PCC	ET3T003	Analog Communication System	2	1	0	20	20	60	100	3	Chalk & Board/ Presentation / Assign Blog writing
4	PCC	ET3T004	Digital Circuits and Microprocessor	2	1	0	20	20	60	100	3	Chalk & Board/ Presentation
5	PCC	ET3T005	Integrated Circuits and Applications	2	1	0	20	20	60	100	3	Chalk & Board/ Presentation / Assign design projects
6	PCC	ET3T006	Network Synthesis and Analog Filters	2	1	0	20	20	60	100	3	Chalk & Board/ Presentation
7	ESC	ET3L002	Electronic Devices and Circuits Lab	0	0	2	60	0	40	100	1	Expt. Kits, Bread board/ V-Lab /Software
8	PCC	ET3L003	Analog Communication System Lab	0	0	2	60	0	40	100	1	Expt. Kits, Bread board/ V-

												Lab/Software
9	PCC	ET3L004	Digital Circuits and Microprocessor Lab	0	0	2	60	0	40	100	1	Expt. Kits, Bread board/V-Lab/Software
10	HSMC	ET3T007	Universal Human Values	3	0	0	20	20	60	100	3	Chalk & Board/Presentation
<b>Total</b>				<b>15</b>	<b>6</b>	<b>6</b>	<b>320</b>	<b>140</b>	<b>540</b>	<b>1000</b>	<b>24</b>	

### Semester:IV

Sr. No	Category of the Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credits	Teaching mode
				L	T	P	CA	MS E	ESE / Ext. Prac	Total		
1	BSC	ET4T001	Partial Differential Equation and Numerical Methods	2	1	0	20	20	60	100	3	Chalk & Board
2	ESC	ET4T002	Basics of Python Programming	3	0	0	20	20	60	100	3	Chalk & Board
3	ESC	ET4T003	Electrical Machines and Instruments	2	1	0	20	20	60	100	3	Chalk & Board/Presentation
4	ESC	ET4T004	Microcontroller and Applications	3	0	0	20	20	60	100	3	Chalk & Board/Presentation/ Design mini Projects
5	PCC	ET4T005	Signals and Systems	3	0	0	20	20	60	100	3	Chalk & Board/Presentation
6	PCC	ET4T006	Electromagnetic Fields	2	1	0	20	20	60	100	3	Offline Chalk & Board/Presentation
7	ESC	ET4L003	Electrical Machines and Instruments Lab	0	0	2	60	0	40	100	1	Expt. Kits/Machines
8	ESC	ET4L004	Microcontroller and Application Lab	0	0	2	60	0	40	100	1	Expt. Kits, Bread board/V-Lab/Software
9	PCC	ET4L005	Basics of Python Programming Lab	0	0	2	60	0	40	100	1	Expt. Kits, Bread board/V-Lab/Software
10	Project	ET4P001	Field Training-1/ Industrial Visit	0	0	0	50	0	0	50	1	Offline/ Online
11	MC	ET4T007	Innovation and Entrepreneurship	2	0	0	10	15	25	50	Audit	Chalk & Board/Presentation

			Development									
12	PCC		NPTEL Course	2	0	0	25	0	25	50	2	
<b>Total</b>				<b>19</b>	<b>3</b>	<b>6</b>	<b>385</b>	<b>135</b>	<b>530</b>	<b>1050</b>	<b>24</b>	

### Semester:V

Sr. No	Category of the Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credits	Teaching mode
				L	T	P	CA	MSE	ESE/Ext.Prac	Total		
1	PCC	ET5T001	Digital Signal Processing	2	1	0	20	20	60	100	3	Chalk & Board/ Presentation
2	PCC	ET5T002	Microcontroller and Applications	3	0	0	20	20	60	100	3	Chalk & Board/ Presentation
3	PCC	ET5T003	Control System Engineering	3	0	0	20	20	60	100	3	Chalk & Board/ Presentation
4	PEC	ET5E004	Professional Elective Course-I	3	0	0	20	20	60	100	3	Chalk & Board/ Presentation
5	OEC	ET5O001	OPEN Elective Course-I	4	0	0	20	20	60	100	4	Chalk & Board/ Presentation
6	ESC	ET5L005	Software Workshop Lab	0	0	2	60	0	40	100	1	Simulation Software/ V-Lab
7	PCC	ET5L001	Digital Signal Processing Lab	0	0	2	60	0	40	100	1	Simulation Software/ V-Lab
8	PCC	ET5L002	Microcontroller and Applications Lab	0	0	2	60	0	40	100	1	Expt. Kits /Simulation Software/ V-Lab
9	Project	ET5P001	Field Training-2	0	0	0	30	0	20	50	1	Offline/ Online
10	Project	ET5P002	Mini Project	0	0	2	30	0	20	50	1	Assign design Projects
11	MC	ET5T006	Consumer Affairs	2	0	0	10	15	25	50	Audit	Chalk & Board/ Presentation
<b>Total</b>				<b>17</b>	<b>1</b>	<b>8</b>	<b>350</b>	<b>115</b>	<b>485</b>	<b>950</b>	<b>21</b>	

### Semester:VI

Sr. No	Category of the Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credits	Teaching mode
				L	T	P	CA	MSE	ESE/Ext.Prac	Total		
1	HSMC	ET6T001	Education, Technology and Society	2	0	0	20	20	60	100	2	Chalk & Board/ Presentation
2	PCC	ET6T002	Antennas and Wave Propagation	3	0	0	20	20	60	100	3	Chalk & Board/ Presentation
3	PCC	ET6T003	Computer Networks and Cloud Computing	3	0	0	20	20	60	100	3	Chalk & Board/ Presentation
4	PEC	ET6E004	Professional Elective Course-II	3	0	0	20	20	60	100	3	Chalk & Board/ Presentation
5	OEC	ET6O002	OPEN Elective Course-II	4	0	0	20	20	60	100	4	Chalk & Board/ Presentation
6	PCC	ET6L003	Computer Networks and Cloud Computing Lab	0	0	2	60	0	40	100	1	Simulation Software/ V-Lab
7	PCC	ET6L005	Electronic Design Engineering Lab	0	0	2	60	0	40	100	1	Simulation Software/ V-Lab
8	Project	ET6P001	Campus Recruitment Training (CRT)	0	0	2	50	0	0	50	1	Chalk & Board/ Presentation/ Mock Interview
9	Project	ET6P002	Skill Development	0	0	2	15	0	35	50	1	NPTEL
10	Project	ET6P003	Mini Project	0	0	2	30	0	20	50	1	Assign design Project
11	MC	ET6T007	Research Methodology	2	0	0	10	15	25	50	Audit	Chalk & Board/ Presentation/ Assign Research Articles
<b>Total</b>				<b>17</b>	<b>0</b>	<b>10</b>	<b>325</b>	<b>115</b>	<b>460</b>	<b>900</b>	<b>20</b>	

### Semester:VII

Sr. No	Category of the Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credits	Teaching mode
				L	T	P	CA	MSE	ESE/Ext.Prac	Total		
1	PCC	ET7T001	Digital Communication	3	0	0	20	20	60	100	3	Chalk &Board/ Presentation/ Quiz
2	PEC	ET7E002	Professional Elective Course-III	3	0	0	20	20	60	100	3	Chalk &/Board/ PPT/Case studies
3	PEC	ET7E003	Professional Elective Course-IV	3	0	0	20	20	60	100	3	Chalk &Board/ Presentation
4	PEC	ET7E004	Professional Elective Course-V	3	0	0	20	20	60	100	3	Chalk &Board/ Presentation
5	OEC	ET7O003	OPEN Elective Course-III	4	0	0	20	20	60	100	4	Chalk &Board/ Presentation
6	ESC	ET7L005	Basic Electronic Simulation Lab	0	0	2	60	0	40	100	1	Simulation Software/ V-Lab
7	PCC	ET7L001	Digital Communication Lab	0	0	2	60	0	40	100	1	Expt. Kits/ Simulation Software/ V-Lab
8	Project	ET7P002	Major Project Part-1	0	0	6	25	0	25	50	5	Assigned Projects/ Paper writing
9	MC	ET7T006	Intellectual Property Rights	2	0	0	10	15	25	50	Audit	Chalk &Board/ Presentation/ case studies
<b>Total</b>				<b>18</b>	<b>0</b>	<b>10</b>	<b>255</b>	<b>115</b>	<b>430</b>	<b>800</b>	<b>23</b>	

### Semester:VIII

Sr. No	Category of the Subject	Course Code	Course Name	Teaching Scheme			Evaluation Scheme				Credits	Teaching mode
				L	T	P	CA	MSE	ESE/Ext.Prac	Total		
1	PEC	ET8E001	Professional Elective Course-VI	3	0	0	20	20	60	100	3	Chalk & Board/ Presentation
2	OEC	ET8O004	OPEN Elective Course-IV	4	0	0	20	20	60	100	4	Chalk & Board/ Presentation
3	Project	ET8P001	Major Project Part-2	0	0	12	75	0	75	150	3	Chalk & Board/ Presentation
<b>Total</b>				<b>7</b>	<b>0</b>	<b>12</b>	<b>115</b>	<b>40</b>	<b>195</b>	<b>350</b>	<b>10</b>	