

**Academic Year 2019 - 20**

<b>S.No.</b>	<b>PROGRAM CODE</b>	<b>PROGRAM NAME</b>	<b>COURSE CODE</b>	<b>COURSE NAME</b>	<b>YEAR OF INTRODUCTION</b>
<b>Common Courses</b>					
1	114, 115, 104, 205	B.E. - Mechanical Engineering, B.E. Mechatronics Engineering, B.E. Computer Science and Engineering, B.Tech Information Technology	BE8253	Basic Electrical, Electronics and Instrumentation Engineering	2017 - 18
2	114, 115	B.E. - Mechanical Engineering B.E. Mechatronics Engineering	CE8394	Fluid Mechanics and Machinery	2018 - 19
3	104, 105, 106, 115	B.E. Electrical and Electronics Engineering, B.E Mechatronics Engineering B.E. Computer Science and Engineering, B.E. Electronics and Communication Engineering	EE8551	Microprocessors and Microcontrollers	2019 - 20
4	104, 205	B.E. Computer Science and Engineering, B.Tech Information Technology	CS8251	Programming in C	2017 - 18
5	103,104,105,106 , 114, 115, 121, 205	B.E. - Computer Science and Engineering, B.E. - Electrical and Electronics Engineering, B.E. - Electronics and Communication Engineering, B.E. - Mechanical Engineering,	CY8151	Engineering Chemistry	2017 - 18

6	106, 121	B.E. - Electronics and Communication Engineering, B.E. Biomedical Engineering	EC8251	Circuit Analysis	2017 - 18
7	104, 105, 106, 115	B.E. Computer Science and Engineering, B.E. - Electrical and Electronics Engineering, B.E. - Electronics and Communication Engineering, B.E. - Mechatronics Engineering	GE6075	Professional Ethics in Engineering	2016 - 17
8	106, 114	B.E. - Electronics and Communication Engineering, B.E. - Mechanical Engineering	GE6757	Total Quality Management	2016 - 17
9	103,104,105,106, 114, 115, 121, 205	B.E. - Computer Science and Engineering, B.E. - Electrical and Electronics Engineering, B.E. - Electronics and Communication Engineering, B.E. - Mechanical Engineering,	GE8151	Problem Solving and Python Programming	2017 - 18
10	103,104,105,106, 114, 115, 121, 205	B.E. - Computer Science and Engineering, B.E. - Electrical and Electronics Engineering, B.E. - Electronics and Communication Engineering, B.E. - Mechanical Engineering,	GE8152	Engineering Graphics	2017 - 18
11	103,104,105,106, 114, 115	B.E. - Computer Science and Engineering, B.E. - Electrical and Electronics Engineering, B.E. - Electronics and Communication Engineering, B.E. - Mechanical Engineering,	GE8291	Environmental Science And engineering	2017 - 18

12	103,104,105,106 , 114, 115	B.E. - Computer Science and Engineering, B.E. - Electrical and Electronics Engineering, B.E. - Electronics and Communication Engineering, B.E. - Mechanical Engineering,	GE8292	Engineering Mechanics	2017 - 18
13	103,104,105,106 , 114, 115, 121, 205	B.E. - Computer Science and Engineering, B.E. - Electrical and Electronics Engineering, B.E. - Electronics and Communication Engineering, B.E. - Mechanical Engineering,	HS8151	Communicative English	2017 - 18
14	103,104,105,106 , 114, 115, 121, 205	B.E. - Computer Science and Engineering, B.E. - Electrical and Electronics Engineering, B.E. - Electronics and Communication Engineering, B.E. - Mechanical Engineering,	HS8251	Technical English	2017 - 18
15	103,104,105,106 , 114, 115, 121, 205	B.E. - Computer Science and Engineering, B.E. - Electrical and Electronics Engineering, B.E. - Electronics and Communication Engineering, B.E. - Mechanical Engineering, B.E. - Mechatronics Engineering,	MA8151	Engineering Mathematics – I	2017 - 18
16	103, 105, 115	B.E. Civil Engineering, B.E. Electrical and Electronics Engineering, B.E. Mechatronics Engineering	MA8353	Transforms and Partial Differential Equations	2018 - 19
17	114, 115	B.E. Mechanical Engineering, B.E. Mechatronics Engineering	MA8452	Statistics and Numerical Methods	2018 - 19
18	103, 105	B.E. Civil Engineering, B.E. Electrical and Electronics Engineering	MA8491	Numerical Methods	2018 - 19

19	114, 115	B.E. Mechanical Engineering, B.E. Mechatronics Engineering	ME8492	Kinematics of Machinery	2018 - 19
20	114, 115	B.E. Mechanical Engineering, B.E. Mechatronics Engineering	ME8593	Design of Machine Elements	2019 - 20
21	114, 115	B.E. Mechanical Engineering, B.E. Mechatronics Engineering	ME8594	Dynamics of Machines	2019 - 20
22	103,105,106, 115	B.E. Civil Engineering, B.E. Electrical and Electronics Engineering, B.E. Electronics and Communication Engineering, B.E. Mechatronics Engineering	MG8591	Principles of Management	2019 - 20
23	104, 105, 106	B.E. Computer Science and Engineering B.E. Electrical and Electronics Engineering, B.E. Electronics and Communication Engineering	OMD551	Basics of Biomedical Instrumentation	2019 - 20
24	103,104,105,106 , 114, 115, 121, 205	B.E. - Computer Science and Engineering, B.E. - Electrical and Electronics Engineering, B.E. - Electronics and Communication Engineering, B.E. - Mechanical Engineering,	PH8151	Engineering Physics	2017 - 18
25	114, 115	B.E. Mechanical Engineering, B.E. Mechatronics Engineering	PH8251	Materials Science	2017 - 18

26	104, 205	B.E. Computer Science and Engineering, B.Tech Information Technology	PH8252	Physics for Information Science	2017 - 18
27	105, 106 , 121	B.E. Electrical and Electronics Engineering, B.E. Electronics and Communication Engineering, B.E. Biomedical Engineering	PH8253	Physics for Electronics Engineering	2017 - 18
28	104, 105	B.E. Computer Science and Engineering, B.E. Electrical and Electronics Engineering	CS8392	Object Oriented Programming	2018 - 19
29	105, 115	B.E. Electrical and Electronics Engineering, B.E. Mechatronics Engineering	EE8552	Power Electronics	2019 - 20
30	105, 115	B.E. Electrical and Electronics Engineering, B.E. Mechatronics Engineering	EE6007	Micro Electro Mechanical Systems	2016 - 17
31	105, 115	B.E. Electrical and Electronics Engineering, B.E. Mechatronics Engineering	EC8391	Control Systems Engineering	2018 - 19
32	103, 114	B.E. Civil Engineering, B.E. Mechanical Engineering	ORO551	Renewable Energy Sources	2019 - 20
33	114, 115	B.E. Mechanical Engineering, B.E. Mechatronics Engineering	MG6071	Entrepreneurship Development	2013 - 14
<b>Program Specific Courses</b>					

34	103	B.E. Civil Engineering	CE8301	Strength of Materials I	2018 - 19
35	103	B.E. Civil Engineering	CE8302	Fluid Mechanics	2018 - 19
36	103	B.E. Civil Engineering	CE8351	Surveying	2018 - 19
37	103	B.E. Civil Engineering	CE8391	Construction Materials	2018 - 19
38	103	B.E. Civil Engineering	CE8392	Engineering Geology	2018 - 19
39	103	B.E. Civil Engineering	CE8401	Construction Techniques and Practices	2018 - 19
40	103	B.E. Civil Engineering	CE8402	Strength of Materials II	2018 - 19
41	103	B.E. Civil Engineering	CE8403	Applied Hydraulic Engineering	2018 - 19
42	103	B.E. Civil Engineering	CE8404	Concrete Technology	2018 - 19
43	103	B.E. Civil Engineering	CE8491	Soil Mechanics	2018 - 19
44	103	B.E. Civil Engineering	CE8501	Design of Reinforced Cement Concrete Elements	2019 - 20
45	103	B.E. Civil Engineering	CE8502	Structural Analysis 1	2019 - 20
46	103	B.E. Civil Engineering	EN8491	Water Supply Engineering	2019 - 20
47	103	B.E. Civil Engineering	CE8591	Foundation Engineering	2019 - 20
48	103	B.E. Civil Engineering	GI8013	Advanced Surveying	2019 - 20
49	103	B.E. Civil Engineering	CE8601	Design Of Steel Structural Elements	2019 - 20
50	103	B.E. Civil Engineering	CE8602	Structural Analysis 2	2019 - 20
51	103	B.E. Civil Engineering	CE8603	Irrigation Engineering	2019 - 20
52	103	B.E. Civil Engineering	CE8604	Highway Engineering	2019 - 20
53	103	B.E. Civil Engineering	EN8592	Wastewater Engineering	2019 - 20

54	103	B.E. Civil Engineering	CE8001	Ground Improvement Techniques	2019 - 20
55	103	B.E. Civil Engineering	CE6701	Structural Dynamics And Earthquake Engineering	2016 - 17
56	103	B.E. Civil Engineering	CE6702	Prestressed Concrete Structures	2016 - 17
57	103	B.E. Civil Engineering	CE6703	Water Resources and Irrigation Engineering	2016 - 17
58	103	B.E. Civil Engineering	CE6704	Estimation and Quantity Surveying	2016 - 17
59	103	B.E. Civil Engineering	CE6008	Groundwater Engineering	2016 - 17
60	103	B.E. Civil Engineering	EN6501	Municipal Solid Waste Management	2016 - 17
61	103	B.E. Civil Engineering	CE6016	Prefabricated Structures	2016 - 17
62	103	B.E. Civil Engineering	CE6021	Repair and Rehabilitation of Structures	2016 - 17
63	104	B.E. Computer Science and Engineering	MA8351	Discrete Mathematics	2018 - 19
64	104	B.E. Computer Science and Engineering	CS8351	Digital Principles and System Design	2018 - 19
65	104	B.E. Computer Science and Engineering	CS8391	Data Structures	2018 - 19
66	104	B.E. Computer Science and Engineering	EC8395	Communication Engineering	2018 - 19
67	104	B.E. Computer Science and Engineering	MA8402	Probability and Queueing Theory	2018 - 19
68	104	B.E. Computer Science and Engineering	CS8491	Computer Architecture	2018 - 19
69	104	B.E. Computer Science and Engineering	CS8492	Database Management Systems	2018 - 19
70	104	B.E. Computer Science and Engineering	CS8451	Design and Analysis of Algorithms	2018 - 19
71	104	B.E. Computer Science and Engineering	CS8493	Operating Systems	2018 - 19
72	104	B.E. Computer Science and Engineering	CS8494	Software Engineering	2018 - 19
73	104	B.E. Computer Science and Engineering	MA8551	Algebra and Number Theory	2019 - 20

74	104	B.E. Computer Science and Engineering	CS8591	Computer Networks	2019 - 20
75	104	B.E. Computer Science and Engineering	CS8501	Theory of Computation	2019 - 20
76	104	B.E. Computer Science and Engineering	CS8592	Object Oriented Analysis and Design	2019 - 20
77	104	B.E. Computer Science and Engineering	CS8651	Internet Programming	2019 - 20
78	104	B.E. Computer Science and Engineering	CS8691	Artificial Intelligence	2019 - 20
79	104	B.E. Computer Science and Engineering	CS8601	Mobile Computing	2019 - 20
80	104	B.E. Computer Science and Engineering	CS8602	Compiler Design	2019 - 20
81	104	B.E. Computer Science and Engineering	CS8603	Distributed Systems	2019 - 20
82	104	B.E. Computer Science and Engineering	CS8075	Data Warehousing and Data Mining	2019 - 20
83	104	B.E. Computer Science and Engineering	CS6701	Cryptography and Network Security	2016 - 17
84	104	B.E. Computer Science and Engineering	CS6702	Graph Theory and Applications	2016 - 17
85	104	B.E. Computer Science and Engineering	CS6703	Grid and Cloud Computing	2016 - 17
86	104	B.E. Computer Science and Engineering	CS6704	Resource Management Techniques	2016 - 17
87	104	B.E. Computer Science and Engineering	IT6801	Service Oriented Architecture	2016 - 17
88	104	B.E. Computer Science and Engineering	IT6006	Data Analytics	2016 - 17
89	104	B.E. Computer Science and Engineering	CS6801	Multi – Core Architectures and Programming	2016 - 17
90	104	B.E. Computer Science and Engineering	IT6011	Knowledge Management	2016 - 17
91	105	B.E. Electrical and Electronics Engineering	EE8251	Circuit Theory	2017 - 18
92	105	B.E. Electrical and Electronics Engineering	EE8351	Digital Logic Circuits	2018 - 19
93	105	B.E. Electrical and Electronics Engineering	EE8391	Electromagnetic Theory	2018 - 19

94	105	B.E. Electrical and Electronics Engineering	EE8301	Electrical Machines - I	2018 - 19
95	105	B.E. Electrical and Electronics Engineering	EC8353	Electron Devices and Circuits	2018 - 19
96	105	B.E. Electrical and Electronics Engineering	EE8401	Electrical Machines - II	2018 - 19
97	105	B.E. Electrical and Electronics Engineering	EE8402	Transmission and Distribution	2018 - 19
98	105	B.E. Electrical and Electronics Engineering	EE8403	Measurements and Instrumentation	2018 - 19
99	105	B.E. Electrical and Electronics Engineering	EE8451	Linear Integrated Circuits and Applications	2018 - 19
100	105	B.E. Electrical and Electronics Engineering	IC8451	Control Systems	2018 - 19
101	105	B.E. Electrical and Electronics Engineering	EE8501	Power System Analysis	2019 - 20
102	105	B.E. Electrical and Electronics Engineering	EE8591	Digital Signal Processing	2019 - 20
103	105	B.E. Electrical and Electronics Engineering	EE8601	Solid State Drives	2019 - 20
104	105	B.E. Electrical and Electronics Engineering	EE8602	Protection and Switchgear	2019 - 20
105	105	B.E. Electrical and Electronics Engineering	EE8691	Embedded Systems	2019 - 20
106	105	B.E. Electrical and Electronics Engineering	EE8002	Design of Electrical Apparatus	2019 - 20
107	105	B.E. Electrical and Electronics Engineering	EE8005	Special Electrical Machines	2019 - 20
108	105	B.E. Electrical and Electronics Engineering	EE6701	High Voltage Engineering	2016 - 17
109	105	B.E. Electrical and Electronics Engineering	EE6004	Flexible Ac Transmission Systems	2016 - 17
110	105	B.E. Electrical and Electronics Engineering	EE6801	Electric Energy Generation, Utilization and Conservation	2016 - 17
111	105	B.E. Electrical and Electronics Engineering	EE6009	Power Electronics for Renewable Energy Systems	2017 - 18
112	106	B.E. Electronics and Communication Engineering	EC8252	Electronic Devices	2017 - 18
113	106	B.E. Electronics and Communication Engineering	EC8393	Fundamentals of Data Structures In C	2018 - 19

114	106	B.E. Electronics and Communication Engineering	EC8351	Electronic Circuits- I	2018 - 19
115	106	B.E. Electronics and Communication Engineering	EC8352	Signals and Systems	2018 - 19
116	106	B.E. Electronics and Communication Engineering	EC8392	Digital Electronics	2018 - 19
117	106	B.E. Electronics and Communication Engineering	EC8452	Electronic Circuits II	2018 - 19
118	106	B.E. Electronics and Communication Engineering	EC8491	Communication Theory	2018 - 19
119	106	B.E. Electronics and Communication Engineering	EC8451	Electromagnetic Fields	2018 - 19
120	106	B.E. Electronics and Communication Engineering	EC8453	Linear Integrated Circuits	2018 - 19
121	106	B.E. Electronics and Communication Engineering	EC8501	Digital Communication	2019 - 20
122	106	B.E. Electronics and Communication Engineering	EC8553	Discrete-Time Signal Processing	2019 - 20
123	106	B.E. Electronics and Communication Engineering	EC8552	Computer Architecture and Organization	2019 - 20
124	106	B.E. Electronics and Communication Engineering	EC8551	Communication Networks	2019 - 20
125	106	B.E. Electronics and Communication Engineering	EC8095	VLSI Design	2019 - 20
126	106	B.E. Electronics and Communication Engineering	EC8652	Wireless Communication	2019 - 20
127	106	B.E. Electronics and Communication Engineering	EC8651	Transmission Lines and Rf Systems	2019 - 20
128	106	B.E. Electronics and Communication Engineering	EC8004	Wireless Networks	2019 - 20
129	106	B.E. Electronics and Communication Engineering	EC8611	Technical Seminar	2019 - 20
130	106	B.E. Electronics and Communication Engineering	EC6701	Rf And Microwave Engineering	2016 - 17
131	106	B.E. Electronics and Communication Engineering	EC6702	Optical Communication and Networks	2016 - 17
132	106	B.E. Electronics and Communication Engineering	EC6703	Embedded and Real Time Systems	2016 - 17
133	106	B.E. Electronics and Communication Engineering	IT6005	Digital Image Processing	2016 - 17

134	106	B.E. Electronics and Communication Engineering	EC6015	RNA	2016 - 17
135	106	B.E. Electronics and Communication Engineering	EC6011	EMIC	2016 - 17
136	114	B.E. Mechanical Engineering	ME8391	Engineering Thermodynamics	2018 - 19
137	114	B.E. Mechanical Engineering	ME8351	Manufacturing Technology - I	2018 - 19
138	114	B.E. Mechanical Engineering	EE8353	Electrical Drives and Controls	2018 - 19
139	114	B.E. Mechanical Engineering	ME8451	Manufacturing Technology – II	2018 - 19
140	114	B.E. Mechanical Engineering	ME8491	Engineering Metallurgy	2018 - 19
141	114	B.E. Mechanical Engineering	ME8493	Thermal Engineering- I	2018 - 19
142	114	B.E. Mechanical Engineering	ME8595	Thermal Engineering- II	2019 - 20
143	114	B.E. Mechanical Engineering	ME8501	Metrology and Measurements	2019 - 20
144	114	B.E. Mechanical Engineering	ME8651	Design of Transmission Systems	2019 - 20
145	114	B.E. Mechanical Engineering	ME8691	Computer Aided Design and Manufacturing	2019 - 20
146	114	B.E. Mechanical Engineering	ME8693	Heat and Mass Transfer	2019 - 20
147	114	B.E. Mechanical Engineering	ME8692	Finite Element Analysis	2019 - 20
148	114	B.E. Mechanical Engineering	ME8694	Hydraulics and Pneumatics	2019 - 20
149	114	B.E. Mechanical Engineering	ME6702	Mechatronics	2013 - 14
150	114	B.E. Mechanical Engineering	ME6703	Computer Integrated Manufacturing	2013 - 14
151	114	B.E. Mechanical Engineering	ME6005	Process Planning and Cost Estimation	2013 - 14
152	114	B.E. Mechanical Engineering	ME6010	Robotics	2013 - 14
153	114	B.E. Mechanical Engineering	MG6863	Engineering Economics	2013 - 14

154	114	B.E. Mechanical Engineering	ME6016	Advanced I.C. Engines	2013 - 14
155	115	B.E. Mechatronics Engineering	MT8301	Electrical Machines and Drives	2018 - 19
156	115	B.E. Mechatronics Engineering	MT8302	Analog Devices and Circuits	2018 - 19
157	115	B.E. Mechatronics Engineering	MT8401	Thermodynamics and Heat Transfer	2018 - 19
158	115	B.E. Mechatronics Engineering	ME8392	Manufacturing Technology	2018 - 19
159	115	B.E. Mechatronics Engineering	MT8591	Sensors and Instrumentation	2019 - 20
160	115	B.E. Mechatronics Engineering	OIM552	Lean Manufacturing	2019 - 20
161	115	B.E. Mechatronics Engineering	MT8601	Design of Mechatronics System	2019 - 20
162	115	B.E. Mechatronics Engineering	MT8602	Industrial Automation	2019 - 20
163	115	B.E. Mechatronics Engineering	ME8591	Applied Hydraulics and Pneumatics	2019 - 20
164	115	B.E. Mechatronics Engineering	MT6701	Medical Mechatronics	2016 - 17
165	115	B.E. Mechatronics Engineering	MT6702	Modeling and Simulation	2016 - 17
166	115	B.E. Mechatronics Engineering	MT6703	Robotics and Machine Vision System	2016 - 17
167	115	B.E. Mechatronics Engineering	MT6801	Automotive Electronics	2016 - 17
168	401	M.E. Applied Electronics	MA5152	Applied Mathematics For Electronics Engineers	2017 - 18
169	401	M.E. Applied Electronics	AP5151	Advanced Digital System Design	2017 - 18
170	401	M.E. Applied Electronics	AP5152	Advanced Digital Signal Processing	2017 - 18
171	401	M.E. Applied Electronics	AP5191	Embedded System Design	2017 - 18
172	401	M.E. Applied Electronics	AP5101	Sensors, Actuators And Interface Electronics	2017 - 18
173	401	M.E. Applied Electronics	CU5292	Electromagnetic Interference And Compatibility	2017 - 18

174	401	M.E. Applied Electronics	AP5251	Soft Computing And Optimization Techniques	2017 - 18
175	401	M.E. Applied Electronics	AP5252	ASIC And FPGA Design	2017 - 18
176	401	M.E. Applied Electronics	AP5291	Hardware – Software Co-Design	2017 - 18
177	401	M.E. Applied Electronics	AP5004	High Performance Networks	2017 - 18
178	401	M.E. Applied Electronics	AP5073	RF System Design	2017 - 18
179	401	M.E. Applied Electronics	AP5301	Advanced Microprocessors And Microcontrollers Architectures	2018 - 19
180	401	M.E. Applied Electronics	CP5292	Internet of Things	2018 - 19
181	401	M.E. Applied Electronics	AP5007	Secure Computing Systems	2018 - 19
182	402	M.E. CAD/CAM	ED5151	Computer Applications in Design	2017 - 18
183	402	M.E. CAD/CAM	ED5153	Advanced Finite Element Analysis	2017 - 18
184	402	M.E. CAD/CAM	ED5252	Mechanical Behavior Of Materials	2017 - 18
185	402	M.E. CAD/CAM	CC5006	Quality Management Techniques	2017 - 18
186	402	M.E. CAD/CAM	CC5291	Design for Manufacture, Assembly and Environments	2017 - 18
187	402	M.E. CAD/CAM	ED5253	Integrated Mechanical Design	2017 - 18
188	402	M.E. CAD/CAM	PD5251	Integrated Product Design And Process Development	2017 - 18
189	402	M.E. CAD/CAM	MA5156	Applied Mathematics for Engineers	2017 - 18
190	402	M.E. CAD/CAM	PD5091	Product Lifecycle Management	2017 - 18
191	402	M.E. CAD/CAM	CD5291	Computer Aided Tools for Manufacturing	2017 - 18
192	402	M.E. CAD/CAM	CC5101	Competitive Manufacturing Systems	2017 - 18
193	402	M.E. CAD/CAM	CC7001	Computer Control in Process Planning	2017 - 18

194	402	M.E. CAD/CAM	CC5292	Additive Manufacturing and Tooling	2017 - 18
195	402	M.E. CAD/CAM	CC5003	Industrial Safety Management	2017 - 18
196	402	M.E. CAD/CAM	CC5005	Metrology and Non-Destructive Testing	2017 - 18
197	405	M.E. Computer Science and Engineering	MA5160	Applied Probability and Statistics	2017 - 18
198	405	M.E. Computer Science and Engineering	CP5151	Advanced Data Structures and Algorithms	2017 - 18
199	405	M.E. Computer Science and Engineering	CP5152	Advanced Computer Architecture	2017 - 18
200	405	M.E. Computer Science and Engineering	CP5153	Operating System Internals	2017 - 18
201	405	M.E. Computer Science and Engineering	CP5154	Advanced Software Engineering	2017 - 18
202	405	M.E. Computer Science and Engineering	CP5191	Machine Learning Techniques	2017 - 18
203	405	M.E. Computer Science and Engineering	CP5201	Network Design And Technologies	2017 - 18
204	405	M.E. Computer Science and Engineering	CP5291	Security Practices	2017 - 18
205	405	M.E. Computer Science and Engineering	CP5293	Big Data Analytics	2017-18
206	405	M.E. Computer Science and Engineering	CP5093	Mobile And Pervasive Computing	2017-18
207	405	M.E. Computer Science and Engineering	CP5005	Software Quality Assurance And Testing	2018-19
208	405	M.E. Computer Science and Engineering	CP5074	Social Network Analysis	2018-19
209	405	M.E. Computer Science and Engineering	CP5010	Reconfigurable Computing	2018-19