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1.1. Number of courses offered by the Institution across all programs during the last five years

DVV C1: Provide authenticated list showing Number of courses offered by the Institution across all programs during the last five years duly signed by competent authority

**Number of courses
offered by the Institution
across all programs
during the last five years**



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Date :

Dr. P. Ranjith Kumar, M.E., Ph.D.,
Principal

TO WHOM IT MAY CONCERN


This is to certify that the number of courses offered by the Institution across all programs during the last five years.

Year	2020-21	2019-20	2018-19	2017-18	2016-17
Number of courses	303	315	302	307	308



Principal
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Tamilnadu - 621 105. Mob : 7708000972
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1.1. Number of courses offered by the Institution across all programs during the last five years

DVV C1: Provide authenticated list showing Number of courses offered by the Institution across all programs during the last five years duly signed by competent authority

Number of courses offered by the Institution across all programs 2020-2021



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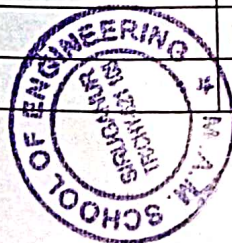
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1.1 List of courses offered across all programs during last five years

Academic Year 2020-2021

S. No.	Program code	Program Name	Course code	Course Name	Year of introduction
1	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	HS8151	Communicative English	2017
2	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	MA8151	Engineering Mathematics – I	2017
3	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	PH8151	Engineering Physics	2017
4	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	CY8151	Engineering Chemistry	2017
5	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	GE8151	Problem Solving and Python Programming	2017
6	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	GE8152	Engineering Graphics	2017
7	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	GE8161	Problem Solving and Python Programming Laboratory	2017
8	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	BS8161	Physics and Chemistry Laboratory	2017
9	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	HS8251	Technical English	2017
10	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	MA8251	Engineering Mathematics – II	2017
11	101, 114, 115	UG-AERO,MECH,MCT	PH8251	Materials Science	2017
12	101, 114, 115	UG-AERO,MECH,MCT	BE8253	Basic Electrical, Electronics and Instrumentation Engineering	2017
13	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	GE8291	Environmental Science and Engineering	2017
14	101, 114, 115	UG-AERO,MECH,MCT	GE8292	Engineering Mechanics	2017
15	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	GE8261	Engineering Practices Laboratory	2017
16	101, 114, 115	UG-AERO,MECH,MCT	BE8261	Basic Electrical, Electronics and Instrumentation Engineering Laboratory	2017
17	105, 106	UG- EEE & ECE	PH8253	Physics for Electronics Engineering	2017
18	105	UG - EEE	BE8252	Basic Civil and Mechanical Engineering	2017
19	105	UG - EEE	EE8251	Circuit Theory	2017



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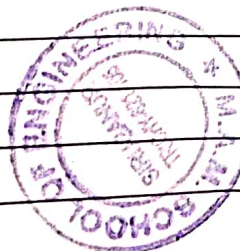
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1.1 List of courses offered across all programs during last five years

20	105	UG - EEE	EE8261	Electric Circuits Laboratory	2017
21	106	UG-ECE	BE8254	Basic Electrical and Instrumentation Engineering	2017
22	106	UG-ECE	EC8251	Circuit Analysis	2017
23	106	UG-ECE	EC8252	Electronic Devices	2017
24	106	UG-ECE	EC8261	Circuits and Devices Laboratory	2017
25	104	UG-CSE	BE8255	Basic Electrical, Electronics and Measurement Engineering	2017
26	104	UG-CSE	CS8251	Programming in C	2017
27	104	UG-CSE	CS8261	C Programming Laboratory	2017
28	101,105,114,115	UG-AERO, EEE,MECH , MCT	MA8353	Transforms and Partial Differential Equations	2017
29	101	UG-AERO	ME8392	Manufacturing Technology	2017
30	101	UG-AERO	AE8301	Aero Engineering Thermodynamics	2017
31	101,114,115	UG - AERO,MECH, MCT	CE8394	Fluid Mechanics and Machinery	2017
32	101,115	UG - AERO, MCT	CE8395	Strength of Materials for Mechanical Engineers (AERO,MCT)	2017
33	101	UG-AERO	AE8302	Elements of Aeronautical Engineering	2017
34	101,115	UG - AERO, MCT	CE8381	Strength of Materials and Fluid Mechanics & Machinery Laboratory	2017
35	101	UG-AERO	AE8311	Thermodynamics Laboratory	2017
36	101,104,106,114,115	UG-AERO,CSE,ECE,MECH,MCT	HS8381	Interpersonal Skills/Listening & Speaking	2017
37	104	UG-CSE	MA8351	Discrete Mathematics	2017
38	104	UG-CSE	CS8351	Digital Principles and System Design	2017
39	104	UG-CSE	CS8391	Data Structures	2017
40	104	UG-CSE	CS8392	Object Oriented Programming	2017



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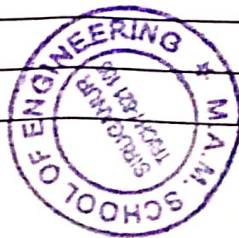
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1.1 List of courses offered across all programs during last five years

41	104	UG-CSE	EC8395	Communication Engineering	2017
42	104	UG-CSE	CS8381	Data Structures Laboratory	2017
43	104	UG-CSE	CS8383	Object Oriented Programming Laboratory	2017
44	104	UG-CSE	CS8382	Digital Systems Laboratory	2017
45	105	UG-EEE	EE8351	Digital Logic Circuits	2017
46	105	UG-EEE	EE8391	Electromagnetic Theory	2017
47	105	UG-EEE	EE8301	Electrical Machines - I	2017
48	105	UG-EEE	EC8353	Electron Devices and Circuits	2017
49	105	UG-EEE	ME8792	Power Plant Engineering	2017
50	105	UG-EEE	EC8311	Electronics Laboratory	2017
51	105	UG-EEE	EE8311	Electrical Machines Laboratory - I	2017
52	106	UG-ECE	MA8352	Linear Algebra and Partial Differential Equations	2017
53	106	UG-ECE	EC8393	Fundamentals of Data Structures In C	2017
54	106	UG-ECE	EC8351	Electronic Circuits- I	2017
55	106	UG-ECE	EC8352	Signals and Systems	2017
56	106	UG-ECE	EC8392	Digital Electronics	2017
57	106	UG-ECE	EC8391	Control Systems Engineering	2017
58	106	UG-ECE	EC8381	Fundamentals of Data Structures in C Laboratory	2017
59	106	UG-ECE	EC8361	Analog and Digital Circuits Laboratory	2017
60	114	UG-MECH	ME8391	Engineering Thermodynamics	2017
61	114	UG-MECH	ME8351	Manufacturing Technology - I	2017
62	114	UG-MECH	EE8353	Electrical Drives and Controls	2017



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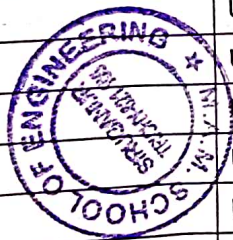
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1.1 List of courses offered across all programs during last five years

63	114	UG-MECH	ME8361	Manufacturing Technology Laboratory - I	2017
64	114	UG-MECH	ME8381	Computer Aided Machine Drawing	2017
65	114	UG-MECH	EE8361	Electrical Engineering Laboratory	2017
66	115	UG - MCT	EC8392	Digital Electronics	2017
67	115	UG - MCT	MT8301	Electrical Machines and Drives	2017
68	115	UG - MCT	MT8302	Analog Devices and Circuits	2017
69	115	UG - MCT	MT8311	Electrical Machines and Drives Laboratory	2017
70	101,105	UG-AERO, EEE	MA8491	Numerical Methods	2017
71	101	UG-AERO	AE8401	Aerodynamics - I	2017
72	101	UG-AERO	AE8402	Aircraft Systems and Instruments	2017
73	101	UG-AERO	PR8451	Mechanics of Machines	2017
74	101	UG-AERO	AE8403	Aircraft Structures - I	2017
75	101	UG-AERO	AE8404	Propulsion - I	2017
76	101	UG-AERO	ME8381	Computer Aided Machine Drawing	2017
77	104	UG-CSE	AE8411	Aerodynamics Laboratory	2017
78	104	UG-CSE	MA8402	Probability and Queueing Theory	2017
79	104	UG-CSE	CS8491	Computer Architecture	2017
80	104	UG-CSE	CS8492	Database Management Systems	2017
81	104	UG-CSE	CS8451	Design and Analysis of Algorithms	2017
82	104	UG-CSE	CS8493	Operating Systems	2017
83	104	UG-CSE	CS8494	Software Engineering	2017
84	104	UG-CSE	CS8481	Database Management Systems Laboratory	2017



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1.1 List of courses offered across all programs during last five years

85	104	UG-CSE	CS8461	Operating Systems Laboratory	2017
86	104, 114, 115	UG-CSE, MECH,MCT	HS8461	Advanced Reading and Writing	2017
87	105	UG-EEE	EE8401	Electrical Machines - II	2017
88	105	UG-EEE	EE8402	Transmission and Distribution	2017
89	105	UG-EEE	EE8403	Measurements and Instrumentation	2017
90	105	UG-EEE	EE8451	Linear Integrated Circuits and Applications	2017
91	105	UG-EEE	IC8451	Control Systems	2017
92	105	UG-EEE	EE8411	Electrical Machines Laboratory - II	2017
93	105	UG-EEE	EE8461	Linear and Digital Integrated Circuits Laboratory	2017
94	105	UG-EEE	EE8412	Technical Seminar	2017
95	106	UG-ECE	MA8451	Probability and Random Processes	2017
96	106	UG-ECE	EC8452	Electronic Circuits II	2017
97	106	UG-ECE	EC8491	Communication Theory	2017
98	106	UG-ECE	EC8451	Electromagnetic Fields	2017
99	106	UG-ECE	EC8453	Linear Integrated Circuits	2017
100	106	UG-ECE	GE8291	Environmental Science and Engineering	2017
101	106	UG-ECE	EC8461	Circuits Design and Simulation Laboratory	2017
102	106	UG-ECE	EC8462	Linear Integrated Circuits Laboratory	2017
103	114, 115	UG-MECH,MCT	MA8452	Statistics and Numerical Methods	2017
104	114, 115	UG-MECH,MCT	ME8492	Kinematics of Machinery	2017
105	114	UG-MECH	ME8451	Manufacturing Technology – II	2017
106	114	UG-MECH	ME8491	Engineering Metallurgy	2017



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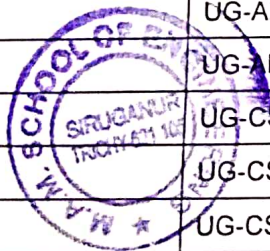
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1.1 List of courses offered across all programs during last five years

107	114	UG-MECH	CE8395	Strength of Materials for Mechanical Engineers	2017
108	114	UG-MECH	ME8493	Thermal Engineering- I	2017
109	114	UG-MECH	ME8462	Manufacturing Technology Laboratory – II	2017
110	114	UG-MECH	CE8381	Strength of Materials and Fluid Mechanics and Machinery Laboratory	2017
111	115	UG- MCT	ME8392	Manufacturing Technology	2017
112	115	UG- MCT	MT8491	Microprocessors and Microcontrollers	2017
113	115	UG- MCT	MT8401	Thermodynamics and Heat Transfer	2017
114	115	UG- MCT	MT8411	Microprocessor and Microcontrollers Laboratory	2017
115	115	UG- MCT	ME8461	Manufacturing Technology Laboratory	2017
116	115	UG- MCT	ME8381	Computer Aided Machine Drawing	2017
117	101	UG-AERO	AE8501	Flight Dynamics	2017
118	101	UG-AERO	AE8502	Aircraft Structures - II	2017
119	101	UG-AERO	AE8503	Aerodynamics - II	2017
120	101	UG-AERO	AE8504	Propulsion - II	2017
121	101	UG-AERO	AE8505	Control Engineering	2017
122	101, 114,115	UG-AERO, MECH,MCT	OAI553	Production Technology of Agricultural Machinery	2017
123	101	UG-AERO	AE8501	Aircraft Structures Laboratory	2017
124	101	UG-AERO	AE8512	Propulsion Laboratory	2017
125	101, 114,115	UG- AERO, MECH,MCT	HS8581	Professional Communication	2017
126	104	UG-CSE	MA8551	Algebra and Number Theory	2017
127	104	UG-CSE	CS8591	Computer Networks	2017
128	104	UG-CSE	EC8691	Microprocessors and Microcontrollers	2017



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129	104	UG-CSE	CS8501	Theory of Computation	2017
130	104	UG-CSE	CS8592	Object Oriented Analysis and Design	2017
131	104	UG-CSE	OAN551	Sensors and Transducers	2017
132	104	UG-CSE	EC8681	Microprocessors and Microcontrollers Laboratory	2017
133	104	UG-CSE	CS8582	Object Oriented Analysis and Design Laboratory	2017
134	104	UG-CSE	CS8581	Networks Laboratory	2017
135	105	UG-EEE	EE8501	Power System Analysis	2017
136	105	UG-EEE	EE8551	Microprocessors and Microcontrollers	2017
137	105, 115	UG-EEE, MCT	EE8552	Power Electronics	2017
138	105	UG-EEE	EE8591	Digital Signal Processing	2017
139	105	UG-EEE	CS8392	Object Oriented Programming	2017
140	105,106	UG-EEE,ECE	OMD551	Basics of Biomedical Instrumentation	2017
141	105	UG-EEE	EE8511	Control and Instrumentation Laboratory	2017
142	105	UG-EEE	CS8383	Object Oriented Programming Laboratory	2017
143	106	UG-ECE	EC8501	Digital Communication	2017
144	106	UG-ECE	EC8553	Discrete-Time Signal Processing	2017
145	106	UG-ECE	EC8552	Computer Architecture and Organization	2017
146	106	UG-ECE	EC8551	Communication Networks	2017
147	106	UG-ECE	EC8073	Medical Electronics	2017
148	106	UG-ECE	EC8562	Digital Signal Processing Laboratory	2017
149	106	UG-ECE	EC8561	Communication Systems Laboratory	2017
150	106	UG-ECE	EC8563	Communication Networks Laboratory	2017



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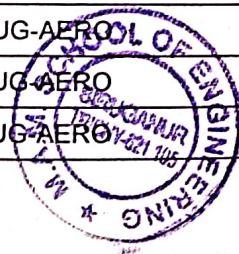
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151	114	UG-MECH	ME8595	Thermal Engineering- II	2017
152	114	UG-MECH	ME8593	Design of Machine Elements	2017
153	114	UG-MECH	ME8501	Metrology and Measurements	2017
154	114	UG-MECH	ME8594	Dynamics of Machines	2017
155	114	UG-MECH	ME8511	Kinematics and Dynamics Laboratory	2017
156	114	UG-MECH	ME8512	Thermal Engineering Laboratory	2017
157	114	UG-MECH	ME8513	Metrology and Measurements Laboratory	2017
158	115	UG- MCT	MT8591	Sensors and Instrumentation	2017
159	115	UG- MCT	ME8594	Dynamics of Machines	2017
160	115	UG- MCT	EC8391	Control Systems Engineering	2017
161	115	UG- MCT	MT8511	Power Electronics Laboratory	2017
162	115	UG- MCT	MT8512	Sensors and Instrumentation Laboratory	2017
163	115	UG- MCT	ME8481	Dynamics Laboratory	2017
164	101	UG-AERO	AE8601	Finite Element Methods	2017
165	101	UG-AERO	AE8602	Experimental Aerodynamics	2017
166	101	UG-AERO	AE8603	Composite Materials and Structures	2017
167	101	UG-AERO	AE8604	Aircraft Design	2017
168	101	UG-AERO	AE8605	Experimental Stress Analysis	2017
169	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	GE8075	Intellectual Property Rights	2017
170	101	UG-AERO	AE8611	Aero Engine and Airframe Laboratory	2017
171	101	UG-AERO	AE8612	Computer Aided Simulation Laboratory	2017
172	101	UG-AERO	AE8613	Aircraft Design Project - I	2017



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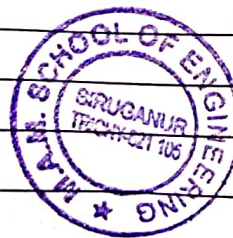
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1.1 List of courses offered across all programs during last five years

173	104	UG-CSE	CS8651	Internet Programming	2017
174	104	UG-CSE	CS8691	Artificial Intelligence	2017
175	104	UG-CSE	CS8601	Mobile Computing	2017
176	104	UG-CSE	CS8602	Compiler Design	2017
177	104	UG-CSE	CS8603	Distributed Systems	2017
178	104	UG-CSE	CS8661	Internet Programming Laboratory	2017
179	104	UG-CSE	CS8662	Mobile Application Development Laboratory	2017
180	104	UG-CSE	CS8611	Mini Project	2017
181	104,105,10	UG- CSE,ECE,MECH	HS8581	Professional Communication	2017
182	105	UG-EEE	EE8601	Solid State Drives	2017
183	105	UG-EEE	EE8602	Protection and Switchgear	2017
184	105	UG-EEE	EE8691	Embedded Systems	2017
185	105	UG-EEE	EE8005	Special Electrical Machines	2017
186	105	UG-EEE	EE8661	Power Electronics and Drives Laboratory	2017
187	105	UG-EEE	EE8681	Microprocessors and Microcontrollers Laboratory	2017
188	105	UG-EEE	EE8611	Mini Project	2017
189	106	UG-ECE	EC8691	Microprocessors and Microcontrollers	2017
190	106	UG-ECE	EC8095	VLSI Design	2017
191	106	UG-ECE	EC8652	Wireless Communication	2017
192	106,115	UG-ECE, MCT	MG8591	Principles of Management	2017
193	106	UG-ECE	EC8651	Transmission Lines and RF Systems	2017
194	106	UG-ECE	EC8681	Microprocessors and Microcontrollers Laboratory	2017



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195	106	UG-ECE	EC8661	VLSI Design Laboratory	2017
196	106	UG-ECE	EC8611	Technical Seminar	2017
197	114	UG-MECH	ME8651	Design of Transmission Systems	2017
198	114	UG-MECH	ME8691	Computer Aided Design and Manufacturing	2017
199	114	UG-MECH	ME8693	Heat and Mass Transfer	2017
200	114	UG-MECH	ME8692	Finite Element Analysis	2017
201	114	UG-MECH	ME8694	Hydraulics and Pneumatics	2017
202	114	UG-MECH	ME8681	CAD / CAM Laboratory	2017
203	114	UG-MECH	ME8682	Design and Fabrication Project	2017
204	115	UG -MCT	ME8591	Applied Hydraulics and Pneumatics	2017
205	115	UG -MCT	MT8601	Design of Mechatronics System	2017
206	115	UG -MCT	ME8593	Design of Machine Elements	2017
207	115	UG -MCT	MT8602	Industrial Automation	2017
208	115	UG -MCT	MT8611	Applied Hydraulics and Pneumatics Laboratory	2017
209	115	UG -MCT	MT8612	Industrial Automation Laboratory	2017
210	115	UG -MCT	ME8682	Design and Fabrication Project	2017
211	101,104,115	UG- AERO,CSE,MCT	GE8077	Total Quality Management A,C,MCT	2017
212	101	UG-AERO	AE8751	Avionics	2017
213	101	UG-AERO	ME8093	Computational Fluid Dynamics	2017
214	101, 114,115	UG-AERO, MECH,MCT	OAN751	Low Cost Automation A,M,M	2017
215	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	GE8071	Disaster Management ALL	2017

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216	101	UG-AERO	ME8097	Non Destructive Testing and Evaluation	2017
217	101	UG-AERO	AE8711	Aircraft Systems Laboratory	2017
218	101	UG-AERO	AE8712	Flight Integration Systems and Control Laboratory	2017
219	101	UG-AERO	AE8713	Aircraft Design Project - II	2017
220	104	UG-CSE	MG8591	Principles of Management	2017
221	104	UG-CSE	CS8792	Cryptography and Network Security	2017
222	104	UG-CSE	CS8791	Cloud Computing	2017
223	104	UG-CSE	OEC754	Medical Electronics	2017
224	104, 115	UG-CSE, MCT	GE8077	Total Quality Management	2017
225	104	UG-CSE	CS8711	Cloud Computing Laboratory	2017
226	104	UG-CSE	IT8761	Security Laboratory	2017
227	105	UG - EEE	EE8701	High Voltage Engineering	2017
228	105	UG - EEE	EE8702	Power System Operation and Control	2017
229	105	UG - EEE	EE8703	Renewable Energy Systems	2017
230	105, 106	UG -EEE,ECE	OCS752	Introduction to C Programming	2017
231	105	UG - EEE	EE8010	Power Systems Transients	2017
232	105	UG - EEE	EE8711	Power System Simulation Laboratory	2017
233	105	UG - EEE	EE8712	Renewable Energy Systems Laboratory	2017
234	106	UG-ECE	EC8701	Antennas and Microwave Engineering	2017
235	106	UG-ECE	EC8751	Optical Communication	2017
236	106	UG-ECE	EC8791	Embedded and Real Time Systems	2017



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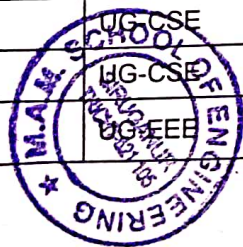
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1.1 List of courses offered across all programs during last five years

237	106	UG-ECE	EC8702	Ad hoc and Wireless Sensor Networks	2017
238	106	UG-ECE	EC8711	Embedded Laboratory	2017
239	106	UG-ECE	EC8761	Advanced Communication Laboratory	2017
240	114	UG-MECH	ME8792	Power Plant Engineering	2017
241	114	UG-MECH	ME8793	Process Planning and Cost Estimation	2017
242	114	UG-MECH	ME8791	Mechatronics	2017
243	114	UG-MECH	ME8073	Unconventional Machining Processes	2017
244	114	UG-MECH	ME8711	Simulation and Analysis Laboratory	2017
245	114	UG-MECH	ME8781	Mechatronics Laboratory	2017
246	114	UG-MECH	ME8712	Technical Seminar	2017
247	115	UG -MCT	ME8691	Computer Aided Design and Manufacturing	2017
248	115	UG -MCT	MT8701	Robotics and Machine Vision System	2017
249	115	UG -MCT	MT8791	Embedded System Design	2017
250	115	UG -MCT	MT8711	Computer Aided Design and Manufacturing Laboratory	2017
251	115	UG -MCT	MT8781	Robotics Laboratory	2017
252	101	UG-AERO	AE8013	Rockets and Missiles	2017
253	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	GE8076	Professional Ethics in Engineering ALL	2017
254	101	UG-AERO	AE8811	Project Work	2017
255	104	UG-CSE	CS8078	Green Computing	2017
256	104	UG-CSE	CS8811	Project Work	2017
257	105	UG-EEE	EE8017	High Voltage Direct Current Transmission	2017



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1.1 List of courses offered across all programs during last five years

258	105	UG-EEE	EE8811	Project Work	2017
259	106	UG-ECE	EC8094	Satellite Communication	2017
260	106	UG-ECE	EC8811	Project Work	2017
261	114	UG -MECH	MG8591	Principles of Management	2017
262	114	UG -MECH	ME8811	Project Work	2017
263	115	UG-MCT	MT8801	Automotive Electronics	2017
264	115	UG-MCT	MG8091	Entrepreneurship Development	2017
265	115	UG-MCT	MT8811	Project Work	2017
266	415	PG - PED	MA5155	Applied Mathematics for Electrical Engineers	2017
267	415	PG - PED	PX5101	Power Semiconductor Devices	2017
268	415	PG - PED	PX5151	Analysis of Electrical Machines	2017
269	415	PG - PED	PX5152	Analysis of Electrical Machines	2017
270	415	PG - PED	IN5152	System Theory	2017
271	415	PG - PED	PX5001	Electromagnetic Field Computation and Modeling	2017
272	415	PG - PED	PX5111	Power Electronics Circuits Lab	2017
273	415	PG - PED	PX5201	Analysis and Design of Inverters	2017
274	415	PG - PED	PX5202	Solid State Drives	2017
275	415	PG - PED	PX5251	Special Electrical Machines	2017
276	415	PG - PED	PX5252	Power Quality	2017
277	415	PG - PED	PX5002	Analog and Digital Controllers	2017



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1.1 List of courses offered across all programs during last five years

278	415	PG - PED	PX5003	Flexible AC Transmission Systems	2017
279	415	PG - PED	PX5005	High Voltage Direct Current Transmission	2017
280	415	PG - PED	PS5092	Solar and Energy Storage Systems	2017
281	415	PG - PED	PX5071	Wind Energy Conversion Systems	2017
282	415	PG - PED	PX5311	Project Work Phase I	2017
283	415	PG - PED	PX5411	Project Work Phase II	2017
284	420	PG - CIM	MA5156	Applied Mathematics for Engineers	2017
285	420	PG - CIM	CM5101	CNC Machines	2017
286	420	PG - CIM	ED5151	Computer Applications in Design	2017
287	420	PG - CIM	CM5102	Advances in Manufacturing Technology	2017
288	420	PG - CIM	MR5391	Industrial Robotics	2017
289	420	PG - CIM	CM5091	Additive Manufacturing	2017
290	420	PG - CIM	CM5111	CIM Laboratory I	2017
291	420	PG - CIM	CM5201	Competitive Manufacturing	2017
292	420	PG - CIM	CM5202	Applied Materials Engineering	2017
293	420	PG - CIM	CM5203	Computer Integrated Production Systems	2017
294	420	PG - CIM	CM5251	Advances in Metrology and Inspection	2017
295	420	PG - CIM	CM5005	Electronics Manufacturing Technology	2017
296	420	PG - CIM	MF5071	Lean Manufacturing	2017
297	420	PG - CIM	CM5211	CIM Laboratory II	2017
298	420	PG - CIM	CM5212	Technical Seminar	2017
299	420	PG - CIM	CM5009	Manufacturing Information Systems	2017



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1.1 List of courses offered across all programs during last five years

300	420	PG - CIM	CM5012	Design of Fluid Power Systems	2017
301	420	PG - CIM	CM5017	Tool Engineering	2017
302	420	PG - CIM	CM5311	Project Work Phase I	2017
303	420	PG - CIM	CM5411	Project Work Phase II	2017




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1.1. Number of courses offered by the Institution across all programs during the last five years

DVV C1: Provide authenticated list showing Number of courses offered by the Institution across all programs during the last five years duly signed by competent authority

Number of courses offered by the Institution across all programs 2019-2020



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1.1 List of courses offered across all programs during last five years

Academic Year 2019-2020

S. No.	Program code	Program Name	Course code	Course Name	Year of introduction
1	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	HS8151	Communicative English	2017
2	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	MA8151	Engineering Mathematics – I	2017
3	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	PH8151	Engineering Physics	2017
4	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	CY8151	Engineering Chemistry	2017
5	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	GE8151	Problem Solving and Python Programming	2017
6	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	GE8152	Engineering Graphics	2017
7	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	GE8161	Problem Solving and Python Programming Laboratory	2017
8	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	BS8161	Physics and Chemistry Laboratory	2017
9	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	HS8251	Technical English	2017
10	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	MA8251	Engineering Mathematics – II	2017
11	101, 114, 115	UG-AERO,MECH,MCT	PH8251	Materials Science	2017
12	101, 114, 115	UG-AERO,MECH,MCT	BE8253	Basic Electrical, Electronics and Instrumentation Engineering	2017
13	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	GE8291	Environmental Science and Engineering	2017
14	101, 114, 115	UG-AERO,MECH,MCT	GE8292	Engineering Mechanics	2017
15	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	GE8261	Engineering Practices Laboratory	2017
16	101, 114, 115	UG-AERO,MECH,MCT	BE8261	Basic Electrical, Electronics and Instrumentation Engineering	2017



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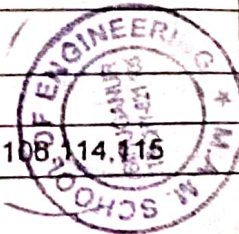
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1.1 List of courses offered across all programs during last five years

				Instrumentation Engineering Laboratory	
17	105, 106	UG- EEE & ECE	PH8253	Physics for Electronics Engineering	2017
18	105	UG - EEE	BE8252	Basic Civil and Mechanical Engineering	2017
19	105	UG - EEE	EE8251	Circuit Theory	2017
20	105	UG - EEE	EE8261	Electric Circuits Laboratory	2017
21	106	UG-ECE	BE8254	Basic Electrical and Instrumentation Engineering	2017
22	106	UG-ECE	EC8251	Circuit Analysis	2017
23	106	UG-ECE	EC8252	Electronic Devices	2017
24	106	UG-ECE	EC8261	Circuits and Devices Laboratory	2017
25	104	UG-CSE	BE8255	Basic Electrical, Electronics and Measurement Engineering	2017
26	104	UG-CSE	CS8251	Programming in C	2017
27	104	UG-CSE	CS8261	C Programming Laboratory	2017
28	101,105,114,115	UG-AERO, EEE,MECH , MCT	MA8353	Transforms and Partial Differential Equations	2017
29	101	UG-AERO	ME8392	Manufacturing Technology	2017
30	101	UG-AERO	AE8301	Aero Engineering Thermodynamics	2017
31	101	UG - AERO,MECH, MCT	CE8394	Fluid Mechanics and Machinery	2017
32	101,115	UG - AERO, MCT	CE8395	Strength of Materials for Mechanical Engineers (AERO,MCT)	2017
33	101	UG-AERO	AE8302	Elements of Aeronautical Engineering	2017
34	101,115	UG - AERO, MCT	CE8381	Strength of Materials and Fluid Mechanics & Machinery Laboratory	2017
35	101	UG-AERO	AE8311	Thermodynamics Laboratory	2017
36	101,104,108,114,115	UG-AERO,CSE,ECE,MECH,MCT	HS8381	Interpersonal Skills/Listening & Speaking	2017



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1.1 List of courses offered across all programs during last five years

37	104	UG-CSE	MA8351	Discrete Mathematics	2017
38	104	UG-CSE	CS8351	Digital Principles and System Design	2017
39	104	UG-CSE	CS8391	Data Structures	2017
40	104	UG-CSE	CS8392	Object Oriented Programming	2017
41	104	UG-CSE	EC8395	Communication Engineering	2017
42	104	UG-CSE	CS8381	Data Structures Laboratory	2017
43	104	UG-CSE	CS8383	Object Oriented Programming Laboratory	2017
44	104	UG-CSE	CS8382	Digital Systems Laboratory	2017
45	105	UG-EEE	EE8351	Digital Logic Circuits	2017
46	105	UG-EEE	EE8391	Electromagnetic Theory	2017
47	105	UG-EEE	EE8301	Electrical Machines - I	2017
48	105	UG-EEE	EC8353	Electron Devices and Circuits	2017
49	105	UG-EEE	ME8792	Power Plant Engineering	2017
50	105	UG-EEE	EC8311	Electronics Laboratory	2017
51	105	UG-EEE	EE8311	Electrical Machines Laboratory - I	2017
52	106	UG-ECE	MA8352	Linear Algebra and Partial Differential Equations	2017
53	106	UG-ECE	EC8393	Fundamentals of Data Structures In C	2017
54	106	UG-ECE	EC8351	Electronic Circuits- I	2017
55	106	UG-ECE	EC8352	Signals and Systems	2017
56	106	UG-ECE	EC8392	Digital Electronics	2017
57	106	UG-ECE	EC8391	Control Systems Engineering	2017
58	106	UG-ECE	EC8381	Fundamentals of Data Structures in C	2017

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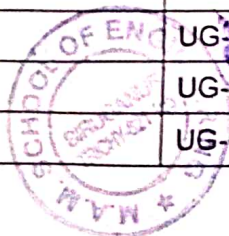
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1.1 List of courses offered across all programs during last five years

				Laboratory	
59	106	UG-ECE	EC8361	Analog and Digital Circuits Laboratory	2017
60	114	UG-MECH	ME8391	Engineering Thermodynamics	2017
61	114	UG-MECH	ME8351	Manufacturing Technology - I	2017
62	114	UG-MECH	EE8353	Electrical Drives and Controls	2017
63	114	UG-MECH	ME8361	Manufacturing Technology Laboratory - I	2017
64	114	UG-MECH	ME8381	Computer Aided Machine Drawing	2017
65	114	UG-MECH	EE8361	Electrical Engineering Laboratory	2017
66	115	UG - MCT	EC8392	Digital Electronics	2017
67	115	UG - MCT	MT8301	Electrical Machines and Drives	2017
68	115	UG - MCT	MT8302	Analog Devices and Circuits	2017
69	115	UG - MCT	MT8311	Electrical Machines and Drives Laboratory	2017
70	101,105	UG-AERO, EEE	MA8491	Numerical Methods	2017
71	101	UG-AERO	AE8401	Aerodynamics - I	2017
72	101	UG-AERO	AE8402	Aircraft Systems and Instruments	2017
73	101	UG-AERO	PR8451	Mechanics of Machines	2017
74	101	UG-AERO	AE8403	Aircraft Structures - I	2017
75	101	UG-AERO	AE8404	Propulsion - I	2017
76	101	UG-AERO	ME8381	Computer Aided Machine Drawing	2017
77	104	UG-CSE	AE8411	Aerodynamics Laboratory	2017
78	104	UG-CSE	MA8402	Probability and Queueing Theory	2017
79	104	UG-CSE	CS8401	Computer Architecture	2017



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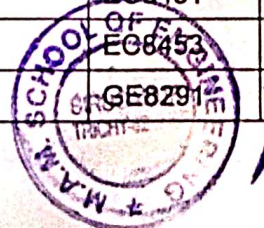
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1.1 List of courses offered across all programs during last five years

80	104	UG-CSE	CS8492	Database Management Systems	2017
81	104	UG-CSE	CS8451	Design and Analysis of Algorithms	2017
82	104	UG-CSE	CS8493	Operating Systems	2017
83	104	UG-CSE	CS8494	Software Engineering	2017
84	104	UG-CSE	CS8481	Database Management Systems Laboratory	2017
85	104	UG-CSE	CS8461	Operating Systems Laboratory	2017
86	104, 114, 115	UG-CSE, MECH,MCT	HS8461	Advanced Reading and Writing	2017
87	105	UG-EEE	EE8401	Electrical Machines - II	2017
88	105	UG-EEE	EE8402	Transmission and Distribution	2017
89	105	UG-EEE	EE8403	Measurements and Instrumentation	2017
90	105	UG-EEE	EE8451	Linear Integrated Circuits and Applications	2017
91	105	UG-EEE	IC8451	Control Systems	2017
92	105	UG-EEE	EE8411	Electrical Machines Laboratory - II	2017
93	105	UG-EEE	EE8461	Linear and Digital Integrated Circuits Laboratory	2017
94	105	UG-EEE	EE8412	Technical Seminar	2017
95	106	UG-ECE	MA8451	Probability and Random Processes	2017
96	106	UG-ECE	EC8452	Electronic Circuits II	2017
97	106	UG-ECE	EC8491	Communication Theory	2017
98	106	UG-ECE	EC8451	Electromagnetic Fields	2017
99	106	UG-ECE	EC8453	Linear Integrated Circuits	2017
100	106	UG-ECE	GE8291	Environmental Science and Engineering	2017



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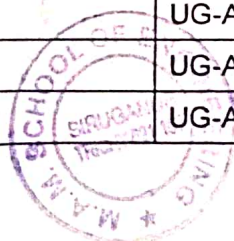
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1.1 List of courses offered across all programs during last five years

101	106	UG-ECE	EC8461	Circuits Design and Simulation Laboratory	2017
102	106	UG-ECE	EC8462	Linear Integrated Circuits Laboratory	2017
103	114, 115	UG-MECH, MCT	MA8452	Statistics and Numerical Methods	2017
104	114, 115	UG-MECH, MCT	ME8492	Kinematics of Machinery	2017
105	114	UG-MECH	ME8451	Manufacturing Technology – II	2017
106	114	UG-MECH	ME8491	Engineering Metallurgy	2017
107	114	UG-MECH	CE8395	Strength of Materials for Mechanical Engineers	2017
108	114	UG-MECH	ME8493	Thermal Engineering- I	2017
109	114	UG-MECH	ME8462	Manufacturing Technology Laboratory – II	2017
110	114	UG-MECH	CE8381	Strength of Materials and Fluid Mechanics and Machinery Laboratory	2017
111	115	UG- MCT	ME8392	Manufacturing Technology	2017
112	115	UG- MCT	MT8491	Microprocessors and Microcontrollers	2017
113	115	UG- MCT	MT8401	Thermodynamics and Heat Transfer	2017
114	115	UG- MCT	MT8411	Microprocessor and Microcontrollers Laboratory	2017
115	115	UG- MCT	ME8461	Manufacturing Technology Laboratory	2017
116	115	UG- MCT	ME8381	Computer Aided Machine Drawing	2017
117	101	UG-AERO	AE8501	Flight Dynamics	2017
118	101	UG-AERO	AE8502	Aircraft Structures - II	2017
119	101	UG-AERO	AE8503	Aerodynamics - II	2017
120	101	UG-AERO	AE8504	Propulsion - II	2017
121	101	UG-AERO	AE8505	Control Engineering	2017



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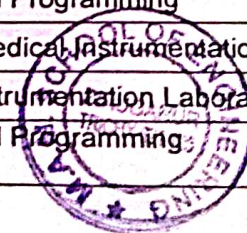
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1.1 List of courses offered across all programs during last five years

122	101, 114,115	UG-AERO, MECH,MCT	OAI553	Production Technology of Agricultural Machinery	2017
123	101	UG-AERO	AE8511	Aircraft Structures Laboratory	2017
124	101	UG-AERO	AE8512	Propulsion Laboratory	2017
125	101, 114,115	UG-AERO, MECH,MCT	HS8581	Professional Communication	2017
126	104	UG-CSE	MA8551	Algebra and Number Theory	2017
127	104	UG-CSE	CS8591	Computer Networks	2017
128	104	UG-CSE	EC8691	Microprocessors and Microcontrollers	2017
129	104	UG-CSE	CS8501	Theory of Computation	2017
130	104	UG-CSE	CS8592	Object Oriented Analysis and Design	2017
131	104	UG-CSE	OAN551	Sensors and Transducers	2017
132	104	UG-CSE	EC8681	Microprocessors and Microcontrollers Laboratory	2017
133	104	UG-CSE	CS8582	Object Oriented Analysis and Design Laboratory	2017
134	104	UG-CSE	CS8581	Networks Laboratory	2017
135	105	UG-EEE	EE8501	Power System Analysis	2017
136	105	UG-EEE	EE8551	Microprocessors and Microcontrollers	2017
137	105, 115	UG-EEE, MCT	EE8552	Power Electronics	2017
138	105	UG-EEE	EE8591	Digital Signal Processing	2017
139	105	UG-EEE	CS8392	Object Oriented Programming	2017
140	105,106	UG-EEE,ECE	OMD551	Basics of Biomedical Instrumentation	2017
141	105	UG-EEE	EE8511	Control and Instrumentation Laboratory	2017
142	105	UG-EEE		Object Oriented Programming Laboratory	2017

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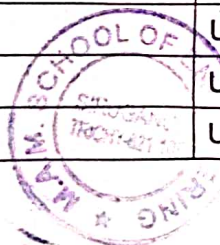
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1.1 List of courses offered across all programs during last five years

143	106	UG-ECE	EC8501	Digital Communication	2017
144	106	UG-ECE	EC8553	Discrete-Time Signal Processing	2017
145	106	UG-ECE	EC8552	Computer Architecture and Organization	2017
146	106	UG-ECE	EC8551	Communication Networks	2017
147	106	UG-ECE	EC8073	Medical Electronics	2017
148	106	UG-ECE	EC8562	Digital Signal Processing Laboratory	2017
149	106	UG-ECE	EC8561	Communication Systems Laboratory	2017
150	106	UG-ECE	EC8563	Communication Networks Laboratory	2017
151	114	UG-MECH	ME8595	Thermal Engineering- II	2017
152	114	UG-MECH	ME8593	Design of Machine Elements	2017
153	114	UG-MECH	ME8501	Metrology and Measurements	2017
154	114	UG-MECH	ME8594	Dynamics of Machines	2017
155	114	UG-MECH	ME8511	Kinematics and Dynamics Laboratory	2017
156	114	UG-MECH	ME8512	Thermal Engineering Laboratory	2017
157	114	UG-MECH	ME8513	Metrology and Measurements Laboratory	2017
158	115	UG- MCT	MT8591	Sensors and Instrumentation	2017
159	115	UG- MCT	ME8594	Dynamics of Machines	2017
160	115	UG- MCT	EC8391	Control Systems Engineering	2017
161	115	UG- MCT	MT8511	Power Electronics Laboratory	2017
162	115	UG- MCT	MT8512	Sensors and Instrumentation Laboratory	2017
163	115	UG- MCT	ME8481	Dynamics Laboratory	2017
164	101	UG-AERO	AE8601	Finite Element Methods	2017



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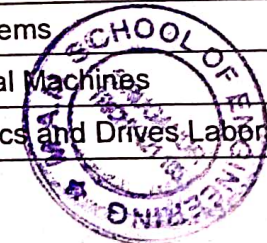
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1.1 List of courses offered across all programs during last five years

165	101	UG-AERO	AE8602	Experimental Aerodynamics	2017
166	101	UG-AERO	AE8603	Composite Materials and Structures	2017
167	101	UG-AERO	AE8604	Aircraft Design	2017
168	101	UG-AERO	AE8605	Experimental Stress Analysis	2017
169	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	GE8075	Intellectual Property Rights	2017
170	101	UG-AERO	AE8611	Aero Engine and Airframe Laboratory	2017
171	101	UG-AERO	AE8612	Computer Aided Simulation Laboratory	2017
172	101	UG-AERO	AE8613	Aircraft Design Project - I	2017
173	104	UG-CSE	CS8651	Internet Programming	2017
174	104	UG-CSE	CS8691	Artificial Intelligence	2017
175	104	UG-CSE	CS8601	Mobile Computing	2017
176	104	UG-CSE	CS8602	Compiler Design	2017
177	104	UG-CSE	CS8603	Distributed Systems	2017
178	104	UG-CSE	CS8661	Internet Programming Laboratory	2017
179	104	UG-CSE	CS8662	Mobile Application Development Laboratory	2017
180	104	UG-CSE	CS8611	Mini Project	2017
181	104,105,10	UG- CSE,ECE,MECH	HS8581	Professional Communication	2017
182	105	UG-EEE	EE8601	Solid State Drives	2017
183	105	UG-EEE	EE8602	Protection and Switchgear	2017
184	105	UG-EEE	EE8691	Embedded Systems	2017
185	105	UG-EEE	EE8005	Special Electrical Machines	2017
186	105	UG-EEE	EE8601	Power Electronics and Drives Laboratory	2017

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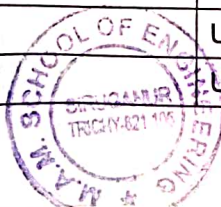
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1.1 List of courses offered across all programs during last five years

187	105	UG-EEE	EE8681	Microprocessors and Microcontrollers Laboratory	2017
188	105	UG-EEE	EE8611	Mini Project	2017
189	106	UG-ECE	EC8691	Microprocessors and Microcontrollers	2017
190	106	UG-ECE	EC8095	VLSI Design	2017
191	106	UG-ECE	EC8652	Wireless Communication	2017
192	106,115	UG-ECE, MCT	MG8591	Principles of Management	2017
193	106	UG-ECE	EC8651	Transmission Lines and RF Systems	2017
194	106	UG-ECE	EC8681	Microprocessors and Microcontrollers Laboratory	2017
195	106	UG-ECE	EC8661	VLSI Design Laboratory	2017
196	106	UG-ECE	EC8611	Technical Seminar	2017
197	114	UG-MECH	ME8651	Design of Transmission Systems	2017
198	114	UG-MECH	ME8691	Computer Aided Design and Manufacturing	2017
199	114	UG-MECH	ME8693	Heat and Mass Transfer	2017
200	114	UG-MECH	ME8692	Finite Element Analysis	2017
201	114	UG-MECH	ME8694	Hydraulics and Pneumatics	2017
202	114	UG-MECH	ME8681	CAD / CAM Laboratory	2017
203	114	UG-MECH	ME8682	Design and Fabrication Project	2017
204	115	UG -MCT	ME8591	Applied Hydraulics and Pneumatics	2017
205	115	UG -MCT	MT8601	Design of Mechatronics System	2017
206	115	UG -MCT	ME8593	Design of Machine Elements	2017
207	115	UG -MCT	MT8602	Industrial Automation	2017



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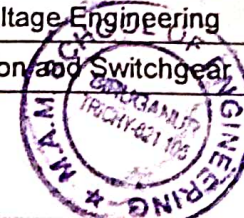
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1.1 List of courses offered across all programs during last five years

208	115	UG -MCT	MT8611	Applied Hydraulics and Pneumatics Laboratory	2017
209	115	UG -MCT	MT8612	Industrial Automation Laboratory	2017
210	115	UG -MCT	ME8682	Design and Fabrication Project	2017
211	101	UG-AERO	GE6757	Total Quality Management	2013
212	101	UG-AERO	AE6701	Avionics	2013
213	101	UG-AERO	ME6014	Computational Fluid Dynamics	2013
214	101	UG-AERO	AE6702	Experimental Stress Analysis	2013
215	101	UG-AERO	AE6007	Fatigue and Fracture	2013
216	101	UG-AERO	AE6012	Airtraffic control and planning	2013
217	101	UG-AERO	AE6711	Aircraft Design Project - II	2013
218	101	UG-AERO	AE6712	Aircraft Systems Laboratory	2013
219	101	UG-AERO	AE6713	Flight Integration Systems and Control Laboratory	2013
220	104	UG-CSE	CS6701	Cryptography and Network Security	2013
221	104	UG-CSE	CS6702	Graph Theory and Applications	2013
222	104	UG-CSE	CS6703	Grid and Cloud Computing	2013
223	104	UG-CSE	CS6704	Resource Management Techniques	2013
224	104	UG-CSE	IT 6801	Service Oriented Architecture	2013
225	104	UG-CSE	EC6703	Embedded And Realtime Systems	2013
226	104	UG-CSE	CS6711	Security Laboratory	2013
227	104	UG-CSE	CS6712	Grid and Cloud Computing Laboratory	2013
228	105	UG-EEE	EE6701	High Voltage Engineering	2013
229	105	UG-EEE	EE6702	Protection and Switchgear	2013

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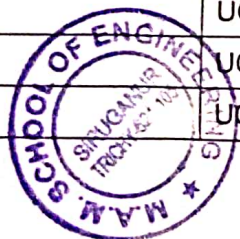
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1.1 List of courses offered across all programs during last five years

230	105	UG-EEE	EE6703	Special Electrical Machines	2013
231	105	UG-EEE	MG6851	Principles of Management	2013
232	105	UG-EEE	EE6004	Flexible AC Transmission Systems	2013
233	105, 115	UG-EEE, MCT	EE6007	Micro Electro Mechanical Systems	2013
234	105	UG-EEE	EE6711	Power System Simulation Laboratory	2013
235	105	UG-EEE	EE6712	Comprehension	2013
236	106	UG-ECE	EC6701	RF and Microwave Engineering	2013
237	106	UG-ECE	EC6702	Optical Communication and Networks	2013
238	106	UG-ECE	EC6703	Embedded and Real Time Systems	2013
239	106	UG-ECE	EC6004	Satellite Communication	2013
240	106	UG-ECE	EC6009	Advanced Computer Architecture	2013
241	106	UG-ECE	EC6016	Opto Electronic Devices	2013
242	106	UG-ECE	EC6711	Embedded Laboratory	2013
243	106	UG-ECE	EC6712	Optical and Microwave Laboratory	2013
244	114	UG-MECH	ME6701	Power Plant Engineering	2013
245	114	UG-MECH	ME6702	Mechatronics	2013
246	114	UG-MECH	ME6703	Computer Integrated Manufacturing Systems	2013
247	114	UG-MECH	GE6757	Total Quality Management	2013
248	114	UG-MECH	ME6005	Process Planning and Cost Estimation	2013
249	114	UG-MECH	ME6010	Robotics	2013
250	114	UG-MECH	ME6711	Simulation and Analysis Laboratory	2013
251	114	UG-MECH	ME6712	Mechatronics Laboratory	2013



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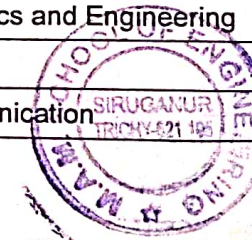
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1.1 List of courses offered across all programs during last five years

252	114	UG-MECH	ME6713	Comprehension	2013
253	115	UG-MCT	MT6701	Medical Mechatronics	2013
254	115	UG-MCT	MT6702	Modeling and Simulation	2013
255	115	UG-MCT	MT6703	Robotics and Machine Vision System	2013
256	115	UG-MCT	ME6602	Automobile Engineering	2013
257	115	UG-MCT	MG6072	Marketing Management	2013
258	115	UG-MCT	MT6711	Computer Aided Design and Computer Aided Manufacturing Laboratory	2013
259	115	UG-MCT	MT6712	Robotics Laboratory	2013
260	115	UG-MCT	MT6713	Design and Fabrication Project	2013
261	101	UG-AERO	AE6801	Wind Tunnel Techniques	2013
262	101	UG-AERO	AE6015	Rocket and missiles	2013
263	101	UG-AERO	AE6811	Project Work	2013
264	104	UG-CSE	CS6801	Multi – Core Architectures and Programming	2013
265	104	UG-CSE	CS6008	Human Computer Interaction	2013
266	104	UG-CSE	MG6088	Software Project Management	2013
267	104	UG-CSE	CS6811	Project Work	2013
268	105	UG-EEE	EE6801	Electric Energy Generation, Utilization and Conservation	2013
269	105	UG-EEE	IC6003	Principle of Robotics	2013
270	105, 106, 115	UG-EEE, ECE, MCT	GE6075	Professional Ethics and Engineering	2013
271	105	UG-EEE	EE6811	Project Work	2013
272	106	UG-ECE	EC6801	Wireless Communication	2013

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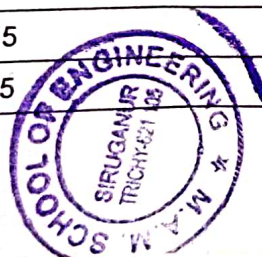
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1.1 List of courses offered across all programs during last five years

273	106	UG-ECE	EC6802	Wireless Networks	2013
274	106	UG-ECE	GE6757	Total Quality Management	2013
275	106	UG-ECE	EC6811	Project Work	2013
276	114	UG-MECH	MG6863	Engineering Economics	2013
277	114	UG-MECH	IE6605	Production Planning and Control	2013
278	114	UG-MECH	ME6018	Additive Manufacturing	2013
279	114	UG-MECH	ME6811	Project Work	2013
280	115	UG-MCT	MT6801	Automotive Electronics	2013
281	115	UG-MCT	MG6071	Entrepreneurship Development	2013
282	115	UG-MCT	MT6811	Project Work	2013
283	415	PG - PED	MA5155	Applied Mathematics for Electrical Engineers	2017
284	415	PG - PED	PX5101	Power Semiconductor Devices	2017
285	415	PG - PED	PX5151	Analysis of Electrical Machines	2017
286	415	PG - PED	PX5152	Analysis and Design of Power Converters	2017
287	415	PG - PED	IN5152	System Theory	2017
288	415	PG - PED	PX5001	Electromagnetic Field Computation and Modelling	2017
289	415	PG - PED	PX5111	Power Electronics Circuits Lab	2017
290	415	PG - PED	PX5201	Analysis and Design of Inverters	2017
291	415	PG - PED	PX5202	Solid State Drives	2017
292	415	PG - PED	PX5251	Special Electrical Machines	2017
293	415	PG - PED	PX5252	Power Quality	2017



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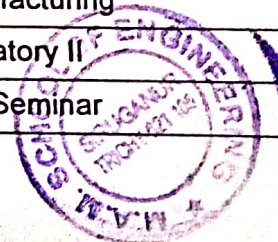
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1.1 List of courses offered across all programs during last five years

294	415	PG - PED	PX5002	Analog and Digital Controllers	2017
295	415	PG - PED	PX5003	Flexible AC Transmission Systems	2017
296	415	PG - PED	PX5005	High Voltage Direct Current Transmission	2017
297	415	PG - PED	PS5092	Solar and Energy Storage Systems	2017
298	415	PG - PED	PX5071	Wind Energy Conversion Systems	2017
299	415	PG - PED	PX5311	Project Work Phase I	2017
300	415	PG - PED	PX5411	Project Work Phase II	2017
301	420	PG-CIM	MA5156	Applied Mathematics for Engineers	2017
302	420	PG-CIM	CM5101	CNC Machines	2017
303	420	PG-CIM	ED5151	Computer Applications in Design	2017
304	420	PG-CIM	CM5102	Advances in Manufacturing Technology	2017
305	420	PG-CIM	MR5391	Industrial Robotics	2017
306	420	PG-CIM	CM5091	Additive Manufacturing	2017
307	420	PG-CIM	CM5111	CIM Laboratory I	2017
308	420	PG-CIM	CM5201	Competitive Manufacturing	2017
309	420	PG-CIM	CM5202	Applied Materials Engineering	2017
310	420	PG-CIM	CM5203	Computer Integrated Production System	2017
311	420	PG-CIM	CM5251	Advances in Metrology and Inspection	2017
312	420	PG-CIM	CM5005	Electronics Manufacturing Technology	2017
313	420	PG-CIM	MF5071	Lean Manufacturing	2017
314	420	PG-CIM	CM5211	CIM Laboratory II	2017
315	420	PG-CIM	CM5212	Technical Seminar	2017

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1.1. Number of courses offered by the Institution across all programs during the last five years

DVV C1: Provide authenticated list showing Number of courses offered by the Institution across all programs during the last five years duly signed by competent authority

Number of courses offered by the Institution across all programs 2018-2019



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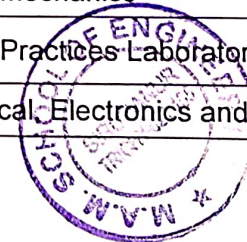
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1.1 List of courses offered across all programs during last five years

Academic Year 2018-2019

S. No.	Program code	Program Name	Course code	Course Name	Year of introduction
1	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	HS8151	Communicative English	2017
2	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	MA8151	Engineering Mathematics – I	2017
3	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	PH8151	Engineering Physics	2017
4	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	CY8151	Engineering Chemistry	2017
5	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	GE8151	Problem Solving and Python Programming	2017
6	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	GE8152	Engineering Graphics	2017
7	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	GE8161	Problem Solving and Python Programming Laboratory	2017
8	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	BS8161	Physics and Chemistry Laboratory	2017
9	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	HS8251	Technical English	2017
10	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	MA8251	Engineering Mathematics – II	2017
11	101, 114, 115	UG-AERO,MECH,MCT	PH8251	Materials Science	2017
12	101, 114, 115	UG-AERO,MECH,MCT	BE8253	Basic Electrical, Electronics and Instrumentation Engineering	2017
13	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	GE8291	Environmental Science and Engineering	2017
14	101, 114, 115	UG-AERO,MECH,MCT	GE8292	Engineering Mechanics	2017
15	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	GE8261	Engineering Practices Laboratory	2017
16	101, 114, 115	UG-AERO,MECH,MCT	BE8261	Basic Electrical, Electronics and	2017

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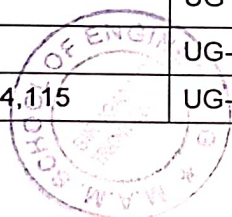
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1.1 List of courses offered across all programs during last five years

				Instrumentation Engineering Laboratory	
17	105, 106	UG- EEE & ECE	PH8253	Physics for Electronics Engineering	2017
18	105	UG - EEE	BE8252	Basic Civil and Mechanical Engineering	2017
19	105	UG - EEE	EE8251	Circuit Theory	2017
20	105	UG - EEE	EE8261	Electric Circuits Laboratory	2017
21	106	UG-ECE	BE8254	Basic Electrical and Instrumentation Engineering	2017
22	106	UG-ECE	EC8251	Circuit Analysis	2017
23	106	UG-ECE	EC8252	Electronic Devices	2017
24	106	UG-ECE	EC8261	Circuits and Devices Laboratory	2017
25	104	UG-CSE	BE8255	Basic Electrical, Electronics and Measurement Engineering	2017
26	104	UG-CSE	CS8251	Programming in C	2017
27	104	UG-CSE	CS8261	C Programming Laboratory	2017
28	101,105,114,115	UG-AERO, EEE,MECH , MCT	MA8353	Transforms and Partial Differential Equations	2017
29	101	UG-AERO	ME8392	Manufacturing Technology	2017
30	101	UG-AERO	AE8301	Aero Engineering Thermodynamics	2017
31	101,114,115	UG - AERO,MECH, MCT	CE8394	Fluid Mechanics and Machinery	2017
32	101,115	UG - AERO, MCT	CE8395	Strength of Materials for Mechanical Engineers (AERO,MCT)	2017
33	101	UG-AERO	AE8302	Elements of Aeronautical Engineering	2017
34	101,115	UG - AERO, MCT	CE8381	Strength of Materials and Fluid Mechanics & Machinery Laboratory	2017
35	101	UG-AERO	AE8311	Thermodynamics Laboratory	2017
36	101,104,106,114,115	UG-AERO,CSE,ECE,MECH,MCT	HS8381	Interpersonal Skills/Listening & Speaking	2017



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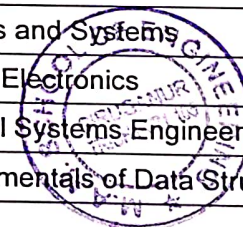
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1.1 List of courses offered across all programs during last five years

37	104	UG-CSE	MA8351	Discrete Mathematics	2017
38	104	UG-CSE	CS8351	Digital Principles and System Design	2017
39	104	UG-CSE	CS8391	Data Structures	2017
40	104	UG-CSE	CS8392	Object Oriented Programming	2017
41	104	UG-CSE	EC8395	Communication Engineering	2017
42	104	UG-CSE	CS8381	Data Structures Laboratory	2017
43	104	UG-CSE	CS8383	Object Oriented Programming Laboratory	2017
44	104	UG-CSE	CS8382	Digital Systems Laboratory	2017
45	105	UG-EEE	EE8351	Digital Logic Circuits	2017
46	105	UG-EEE	EE8391	Electromagnetic Theory	2017
47	105	UG-EEE	EE8301	Electrical Machines - I	2017
48	105	UG-EEE	EC8353	Electron Devices and Circuits	2017
49	105	UG-EEE	ME8792	Power Plant Engineering	2017
50	105	UG-EEE	EC8311	Electronics Laboratory	2017
51	105	UG-EEE	EE8311	Electrical Machines Laboratory - I	2017
52	106	UG-ECE	MA8352	Linear Algebra and Partial Differential Equations	2017
53	106	UG-ECE	EC8393	Fundamentals of Data Structures In C	2017
54	106	UG-ECE	EC8351	Electronic Circuits- I	2017
55	106	UG-ECE	EC8352	Signals and Systems	2017
56	106	UG-ECE	EC8392	Digital Electronics	2017
57	106	UG-ECE	EC8395	Control Systems Engineering	2017
58	106	UG-ECE	EC8381	Fundamentals of Data Structures in C	2017

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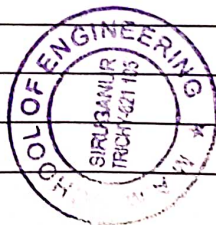
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1.1 List of courses offered across all programs during last five years

				Laboratory	
59	106	UG-ECE	EC8361	Analog and Digital Circuits Laboratory	2017
60	114	UG-MECH	ME8391	Engineering Thermodynamics	2017
61	114	UG-MECH	ME8351	Manufacturing Technology - I	2017
62	114	UG-MECH	EE8353	Electrical Drives and Controls	2017
63	114	UG-MECH	ME8361	Manufacturing Technology Laboratory - I	2017
64	114	UG-MECH	ME8381	Computer Aided Machine Drawing	2017
65	114	UG-MECH	EE8361	Electrical Engineering Laboratory	2017
66	115	UG - MCT	EC8392	Digital Electronics	2017
67	115	UG - MCT	MT8301	Electrical Machines and Drives	2017
68	115	UG - MCT	MT8302	Analog Devices and Circuits	2017
69	115	UG - MCT	MT8311	Electrical Machines and Drives Laboratory	2017
70	101,105	UG-AERO, EEE	MA8491	Numerical Methods	2017
71	101	UG-AERO	AE8401	Aerodynamics - I	2017
72	101	UG-AERO	AE8402	Aircraft Systems and Instruments	2017
73	101	UG-AERO	PR8451	Mechanics of Machines	2017
74	101	UG-AERO	AE8403	Aircraft Structures - I	2017
75	101	UG-AERO	AE8404	Propulsion - I	2017
76	101	UG-AERO	ME8381	Computer Aided Machine Drawing	2017
77	104	UG-CSE	AE8411	Aerodynamics Laboratory	2017
78	104	UG-CSE	ME8411	Probability and Queueing Theory	2017
79	104	UG-CSE	CS8491	Computer Architecture	2017



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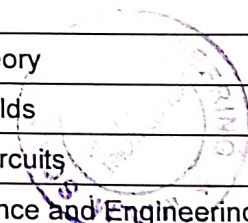
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1.1 List of courses offered across all programs during last five years

80	104	UG-CSE	CS8492	Database Management Systems	2017
81	104	UG-CSE	CS8451	Design and Analysis of Algorithms	2017
82	104	UG-CSE	CS8493	Operating Systems	2017
83	104	UG-CSE	CS8494	Software Engineering	2017
84	104	UG-CSE	CS8481	Database Management Systems Laboratory	2017
85	104	UG-CSE	CS8461	Operating Systems Laboratory	2017
86	104, 114, 115	UG-CSE, MECH, MCT	HS8461	Advanced Reading and Writing	2017
87	105	UG-EEE	EE8401	Electrical Machines - II	2017
88	105	UG-EEE	EE8402	Transmission and Distribution	2017
89	105	UG-EEE	EE8403	Measurements and Instrumentation	2017
90	105	UG-EEE	EE8451	Linear Integrated Circuits and Applications	2017
91	105	UG-EEE	IC8451	Control Systems	2017
92	105	UG-EEE	EE8411	Electrical Machines Laboratory - II	2017
93	105	UG-EEE	EE8461	Linear and Digital Integrated Circuits Laboratory	2017
94	105	UG-EEE	EE8412	Technical Seminar	2017
95	106	UG-ECE	MA8451	Probability and Random Processes	2017
96	106	UG-ECE	EC8452	Electronic Circuits II	2017
97	106	UG-ECE	EC8491	Communication Theory	2017
98	106	UG-ECE	EC8451	Electromagnetic Fields	2017
99	106	UG-ECE	EC8453	Linear Integrated Circuits	2017
100	106	UG-ECE	GE8291	Environmental Science and Engineering	2017

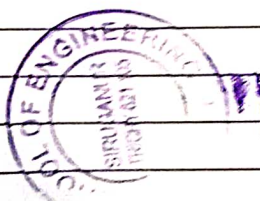
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SIRIGANUR, TIRUCHIRAPPALLI - 621 105

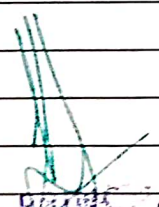


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1.1 List of courses offered across all programs during last five years

101	106	UG-ECE	EC8461	Circuits Design and Simulation Laboratory	2017
102	106	UG-ECE	EC8462	Linear Integrated Circuits Laboratory	2017
103	114, 115	UG-MECH,MCT	MA8452	Statistics and Numerical Methods	2017
104	114, 115	UG-MECH,MCT	ME8492	Kinematics of Machinery	2017
105	114	UG-MECH	ME8451	Manufacturing Technology – II	2017
106	114	UG-MECH	ME8491	Engineering Metallurgy	2017
107	114	UG-MECH	CE8395	Strength of Materials for Mechanical Engineers	2017
108	114	UG-MECH	ME8493	Thermal Engineering- I	2017
109	114	UG-MECH	ME8462	Manufacturing Technology Laboratory – II	2017
110	114	UG-MECH	CE8381	Strength of Materials and Fluid Mechanics and Machinery Laboratory	2017
111	115	UG- MCT	ME8392	Manufacturing Technology	2017
112	115	UG- MCT	MT8491	Microprocessors and Microcontrollers	2017
113	115	UG- MCT	MT8401	Thermodynamics and Heat Transfer	2017
114	115	UG- MCT	MT8411	Microprocessor and Microcontrollers Laboratory	2017
115	115	UG- MCT	ME8461	Manufacturing Technology Laboratory	2017
116	115	UG- MCT	ME8381	Computer Aided Machine Drawing	2017
117	101	UG-AERO	AE6501	Flight Dynamics	2013
118	101	UG-AERO	AE6502	Aircraft Structures - II	2013
119	101	UG-AERO	AE6503	Aerodynamics - II	2013
120	101	UG-AERO	AE6504	Propulsion - II	2013
121	101	UG-AERO	AE6505	Control Engineering	2013




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1.1 List of courses offered across all programs during last five years

122	101, 106, 115	UG-AERO, ECE, MCT	GE6351	Environmental Science and Engineering	2013
123	101	UG-AERO	AE6511	Aircraft Structures Laboratory - II	2013
124	101	UG-AERO	AE6512	Propulsion Laboratory	2013
125	104	UG-CSE	MA6566	Discrete Mathematics	2013
126	104	UG-CSE	CS6501	Internet Programming	2013
127	104	UG-CSE	CS6502	Object Oriented Analysis and Design	2013
128	104	UG-CSE	CS6503	Theory of Computation	2013
129	104	UG-CSE	CS6504	Computer Graphics	2013
130	104	UG-CSE	CS6511	Case Tools Laboratory	2013
131	104	UG-CSE	CS6512	Internet Programming Laboratory	2013
132	104	UG-CSE	CS6513	Computer Graphics Laboratory	2013
133	105	UG-EEE	EE6501	Power System Analysis	2013
134	105	UG-EEE	EE6502	Microprocessors and Microcontrollers	2013
135	105	UG-EEE	ME6701	Power Plant Engineering	2013
136	105, 115	UG-EEE, MCT	EE6503	Power Electronics	2013
137	105	UG-EEE	EE6504	Electrical Machines - II	2013
138	105	UG-EEE	IC6501	Control Systems	2013
139	105	UG-EEE	EE6511	Control and Instrumentation Laboratory	2013
140	105	UG-EEE	GE6674	Communication and Soft Skills- Laboratory Based	2013
141	105	UG-EEE	EE6512	Electrical Machines Laboratory - II	2013
142	106	UG-ECE	EC6501	Digital Communication	2013
143	106	UG-ECE	EC6502	Principles of Digital Signal Processing	2013

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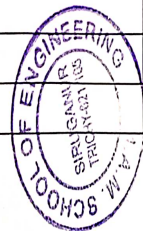
1.1 List of courses offered across all programs during last five years

144	106	UG-ECE	EC6503	Transmission Lines and Wave Guides	2013
145	106	UG-ECE	EC6504	Microprocessor and Microcontroller	2013
146	106	UG-ECE	EC6511	Digital Signal Processing Laboratory	2013
147	106	UG-ECE	EC6512	Communication System Laboratory	2013
148	106	UG-ECE	EC6513	Microprocessor and Microcontroller Laboratory	2013
149	114	UG-MECH	ME6501	Computer Aided Design	2013
150	114	UG-MECH	ME6502	Heat and Mass Transfer	2013
151	114, 115	UG-MECH, MCT	ME6503	Design of Machine Elements	2013
152	114	UG-MECH	ME6504	Metrology and Measurements	2013
153	114	UG-MECH	ME6505	Dynamics of Machines	2013
154	114	UG-MECH	GE6075	Professional Ethics in Engineering	2013
155	114	UG-MECH	ME6511	Dynamics Laboratory	2013
156	114	UG-MECH	ME6512	Thermal Engineering Laboratory-II	2013
157	114	UG-MECH	ME6513	Metrology and Measurements Laboratory	2013
158	115	UG-MCT	MT6501	Sensors and Signal Processing	2013
159	115	UG-MCT	MF6505	CNC Machining Technology	2013
160	115	UG-MCT	MT6502	Thermodynamics Principles and Applications	2013
161	115	UG-MCT	MT6511	Power Electronics Laboratory	2013
162	115	UG-MCT	MT6512	Sensors and Signal Processing Laboratory	2013
163	115	UG-MCT	MT6513	CNC Laboratory	2013
164	101,106,114,115	UG - AERO, ECE, MECH, MCT	MG685110	Principles of Management (Aero, ECE, MECH, MCT)	2013

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1.1 List of courses offered across all programs during last five years

165	101	UG-AERO	AE6601	Finite Element Methods	2013
166	101	UG-AERO	AE6602	Vibrations and Elements of Aeroelasticity	2013
167	101	UG-AERO	AE6603	Composite Materials and Structures	2013
168	101	UG-AERO	AE6604	Aircraft Materials and Processes	2013
169	101	UG-AERO	AE6004	Heat Transfer	2013
170	101	UG-AERO	AE6611	Aero Engine and Airframe Laboratory	2013
171	101	UG-AERO	AE6612	Aircraft Design Project - I	2013
172	101	UG-AERO	AE6613	Computer Aided Simulation Laboratory	2013
173	104	UG-CSE	CS6601	Distributed Systems	2013
174	104	UG-CSE	IT6601	Mobile Computing	2013
175	104	UG-CSE	CS6660	Compiler Design	2013
176	104	UG-CSE	IT6502	Digital Signal Processing	2013
177	104	UG-CSE	CS6659	Artificial Intelligence	2013
178	104	UG-CSE	IT6004	Software Testing	2013
179	104	UG-CSE	CS6611	Mobile Application Development Laboratory	2013
180	104	UG-CSE	CS6612	Compiler Laboratory	2013
181	104, 106, 114	UG-CSE, ECE, MECH	GE6674	Communication and Soft Skills - Laboratory Based	2013
182	105	UG-EEE	EC6651	Communication Engineering	2013
183	105	UG-EEE	EE6601	Solid State Drives	2013
184	105	UG-EEE	EE6602	Embedded Systems	2013
185	105	UG-EEE	EE6603	Power System Operation and Control	2013
186	105	UG-EEE	EE6604	Design of Electrical Machines	2013



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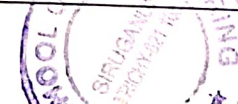
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1.1 List of courses offered across all programs during last five years

187	105	UG-EEE	EE6002	Power System Transients	2013
188	105	UG-EEE	EE6611	Power Electronics and Drives Laboratory	2013
189	105	UG-EEE	EE6612	Microprocessors and Microcontrollers Laboratory	2013
190	105	UG-EEE	EE6613	Presentation Skills and Technical Seminar	2013
191	106	UG-ECE	CS6303	Computer Architecture	2013
192	106	UG-ECE	CS6551	Computer Networks	2013
193	106	UG-ECE	EC6601	VLSI Design	2013
194	106	UG-ECE	EC6602	Antenna and Wave propagation	2013
195	106	UG-ECE	EC6001	Medical Electronics	2013
196	106	UG-ECE	EC6611	Computer Networks Laboratory	2013
197	106	UG-ECE	EC6612	VLSI Design Laboratory	2013
198	106	UG-ECE	ME6601	Design of Transmission Systems	2013
199	114	UG-MECH	ME6602	Automobile Engineering	2013
200	114	UG-MECH	ME6603	Finite Element Analysis	2013
201	114	UG-MECH	ME6604	Gas Dynamics and Jet Propulsion	2013
202	114	UG-MECH	ME6004	Unconventional Machining Processes	2013
203	114	UG-MECH	ME6611	C.A.D. / C.A.M. Laboratory	2013
204	114	UG-MECH	ME6612	Design and Fabrication Project	2013
205	115	UG-MCT	MT6601	Micro Controller and PLC	2013
206	115	UG-MCT	MT6602	Applied Hydraulics and Pneumatics	2013
207	115	UG-MCT	MT6603	Design of Mechatronics System	2013
208	115	UG-MCT	MT6604	Object Oriented Programming in C++	2013

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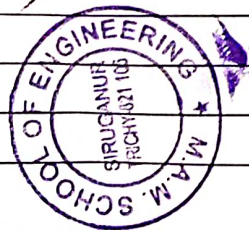
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1.1 List of courses offered across all programs during last five years

209	115	UG-MCT	GE6757	Total Quality Management	2013
210	115	UG-MCT	MT6611	Micro Controller and PLC Laboratory	2013
211	115	UG-MCT	MT6612	Object Oriented Programming Laboratory	2013
212	115	UG-MCT	MT6613	Applied Hydraulics and Pneumatics Laboratory	2013
213	101	UG-AERO	GE6757	Total Quality Management	2013
214	101	UG-AERO	AE6701	Avionics	2013
215	101	UG-AERO	ME6014	Computational Fluid Dynamics	2013
216	101	UG-AERO	AE6702	Experimental Stress Analysis	2013
217	101	UG-AERO	AE6007	Fatigue and Fracture	2013
218	101	UG-AERO	AE6012	Airtraffic control and planning	2013
219	101	UG-AERO	AE6711	Aircraft Design Project - II	2013
220	101	UG-AERO	AE6712	Aircraft Systems Laboratory	2013
221	101	UG-AERO	AE6713	Flight Integration Systems and Control Laboratory	2013
222	104	UG-CSE	CS6701	Cryptography and Network Security	2013
223	104	UG-CSE	CS6702	Graph Theory and Applications	2013
224	104	UG-CSE	CS6703	Grid and Cloud Computing	2013
225	104	UG-CSE	CS6704	Resource Management Techniques	2013
226	104	UG-CSE	IT 6801	Service Oriented Architecture	2013
227	104	UG-CSE	EC6703	Embedded And Realtime Systems	2013
228	104	UG-CSE	CS6711	Security Laboratory	2013
229	104	UG-CSE	CS6712	Grid and Cloud Computing Laboratory	2013



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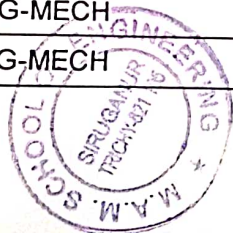
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1.1 List of courses offered across all programs during last five years

230	105	UG-EEE	EE6701	High Voltage Engineering	2013
231	105	UG-EEE	EE6702	Protection and Switchgear	2013
232	105	UG-EEE	EE6703	Special Electrical Machines	2013
233	105	UG-EEE	MG6851	Principles of Management	2013
234	105	UG-EEE	EE6004	Flexible AC Transmission Systems	2013
235	105, 115	UG-EEE, MCT	EE6007	Micro Electro Mechanical Systems	2013
236	105	UG-EEE	EE6711	Power System Simulation Laboratory	2013
237	105	UG-EEE	EE6712	Comprehension	2013
238	106	UG-ECE	EC6701	RF and Microwave Engineering	2013
239	106	UG-ECE	EC6702	Optical Communication and Networks	2013
240	106	UG-ECE	EC6703	Embedded and Real Time Systems	2013
241	106	UG-ECE	EC6004	Satellite Communication	2013
242	106	UG-ECE	EC6009	Advanced Computer Architecture	2013
243	106	UG-ECE	EC6016	Opto Electronic Devices	2013
244	106	UG-ECE	EC6711	Embedded Laboratory	2013
245	106	UG-ECE	EC6712	Optical and Microwave Laboratory	2013
246	114	UG-MECH	ME6701	Power Plant Engineering	2013
247	114	UG-MECH	ME6702	Mechatronics	2013
248	114	UG-MECH	ME6703	Computer Integrated Manufacturing Systems	2013
249	114	UG-MECH	GE6757	Total Quality Management	2013
250	114	UG-MECH	ME6005	Process Planning and Cost Estimation	2013
251	114	UG-MECH	ME6010	Robotics	2013



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1.1 List of courses offered across all programs during last five years

252	114	UG-MECH	ME6711	Simulation and Analysis Laboratory	2013
253	114	UG-MECH	ME6712	Mechatronics Laboratory	2013
254	114	UG-MECH	ME6713	Comprehension	2013
255	115	UG-MCT	MT6701	Medical Mechatronics	2013
256	115	UG-MCT	MT6702	Modeling and Simulation	2013
257	115	UG-MCT	MT6703	Robotics and Machine Vision System	2013
258	115	UG-MCT	ME6602	Automobile Engineering	2013
259	115	UG-MCT	MG6072	Marketing Management	2013
260	115	UG-MCT	MT6711	Computer Aided Design and Computer Aided Manufacturing Laboratory	2013
261	115	UG-MCT	MT6712	Robotics Laboratory	2013
262	115	UG-MCT	MT6713	Design and Fabrication Project	2013
263	101	UG-AERO	AE6801	Wind Tunnel Techniques	2013
264	101	UG-AERO	AE6015	Rocket and missiles	2013
265	101	UG-AERO	AE6811	Project Work	2013
266	104	UG-CSE	CS6801	Multi – Core Architectures and Programming	2013
267	104	UG-CSE	CS6008	Human Computer Interaction	2013
268	104	UG-CSE	MG6088	Software Project Management	2013
269	104	UG-CSE	CS6811	Project Work	2013
270	105	UG-EEE	EE6801	Electric Energy Generation, Utilization and Conservation	2013
271	105	UG-EEE	IC6003	Principle of Robotics	2013
272	105, 106, 115	UG-EEE, ECE, MCT	GE6075	Professional Ethics and Engineering	2013



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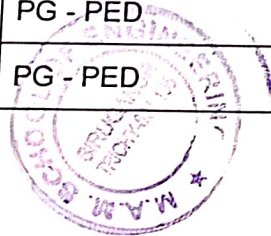
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1.1 List of courses offered across all programs during last five years

273	105	UG-EEE	EE6811	Project Work	2013
274	106	UG-ECE	EC6801	Wireless Communication	2013
275	106	UG-ECE	EC6802	Wireless Networks	2013
276	106	UG-ECE	GE6757	Total Quality Management	2013
277	106	UG-ECE	EC6811	Project Work	2013
278	114	UG-MECH	MG6863	Engineering Economics	2013
279	114	UG-MECH	IE6605	Production Planning and Control	2013
280	114	UG-MECH	ME6018	Additive Manufacturing	2013
281	114	UG-MECH	ME6811	Project Work	2013
282	115	UG-MCT	MT6801	Automotive Electronics	2013
283	115	UG-MCT	MG6071	Entrepreneurship Development	2013
284	115	UG-MCT	MT6811	Project Work	2013
285	415	PG - PED	MA5155	Applied Mathematics for Electrical Engineers	2017
286	415	PG - PED	PX5101	Power Semiconductor Devices	2017
287	415	PG - PED	PX5151	Analysis of Electrical Machines	2017
288	415	PG - PED	PX5152	Analysis and Design of Power Converters	2017
289	415	PG - PED	IN5152	System Theory	2017
290	415	PG - PED	PX5001	Electromagnetic Field Computation and Modelling	2017
291	415	PG - PED	PX5111	Power Electronics Circuits Lab	2017
292	415	PG - PED	PX5201	Analysis and Design of Inverters	2017



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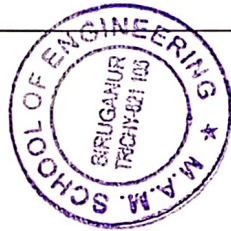
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1.1 List of courses offered across all programs during last five years

293	415	PG - PED	PX5202	Solid State Drives	2017
294	415	PG - PED	PX5251	Special Electrical Machines	2017
295	415	PG - PED	PX5252	Power Quality	2017
296	415	PG - PED	PX5002	Analog and Digital Controllers	2017
297	415	PG - PED	PX5003	Flexible AC Transmission Systems	2017
298	415	PG - PED	PX5005	High Voltage Direct Current Transmission	2017
299	415	PG - PED	PS5092	Solar and Energy Storage Systems	2017
300	415	PG - PED	PX5071	Wind Energy Conversion Systems	2017
301	415	PG - PED	PX5311	Project Work Phase I	2017
302	415	PG - PED	PX5411	Project Work Phase II	2017




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1.1. Number of courses offered by the Institution across all programs during the last five years

DVV C1: Provide authenticated list showing Number of courses offered by the Institution across all programs during the last five years duly signed by competent authority

Number of courses offered by the Institution across all programs 2017-2018



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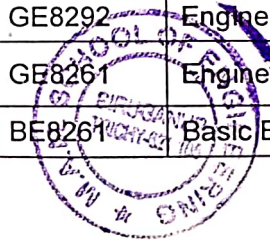
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1.1 List of courses offered across all programs during last five years

Academic Year 2017-2018

S. No.	Program code	Program Name	Course code	Course Name	Year of introduction
1	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	HS8151	Communicative English	2017
2	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	MA8151	Engineering Mathematics – I	2017
3	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	PH8151	Engineering Physics	2017
4	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	CY8151	Engineering Chemistry	2017
5	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	GE8151	Problem Solving and Python Programming	2017
6	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	GE8152	Engineering Graphics	2017
7	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	GE8161	Problem Solving and Python Programming Laboratory	2017
8	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	BS8161	Physics and Chemistry Laboratory	2017
9	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	HS8251	Technical English	2017
10	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	MA8251	Engineering Mathematics – II	2017
11	101, 114, 115	UG-AERO,MECH,MCT	PH8251	Materials Science	2017
12	101, 114, 115	UG-AERO,MECH,MCT	BE8253	Basic Electrical, Electronics and Instrumentation Engineering	2017
13	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	GE8291	Environmental Science and Engineering	2017
14	101, 114, 115	UG-AERO,MECH,MCT	GE8292	Engineering Mechanics	2017
15	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	GE8261	Engineering Practices Laboratory	2017
16	101, 114, 115	UG-AERO,MECH,MCT	BE8261	Basic Electrical, Electronics and Instrumentation Engineering	2017



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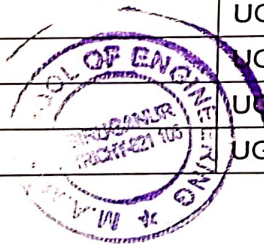
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1.1 List of courses offered across all programs during last five years

				Instrumentation Engineering Laboratory	
17	105, 106	UG- EEE & ECE	PH8253	Physics for Electronics Engineering	2017
18	105	UG - EEE	BE8252	Basic Civil and Mechanical Engineering	2017
19	105	UG - EEE	EE8251	Circuit Theory	2017
20	105	UG - EEE	EE8261	Electric Circuits Laboratory	2017
21	106	UG-ECE	BE8254	Basic Electrical and Instrumentation Engineering	2017
22	106	UG-ECE	EC8251	Circuit Analysis	2017
23	106	UG-ECE	EC8252	Electronic Devices	2017
24	106	UG-ECE	EC8261	Circuits and Devices Laboratory	2017
25	104	UG-CSE	BE8255	Basic Electrical, Electronics and Measurement Engineering	2017
26	104	UG-CSE	CS8251	Programming in C	2017
27	104	UG-CSE	CS8261	C Programming Laboratory	2017
28	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	MA6351	Transforms and Partial Differential Equations	2013
29	104, 106	UG-CSE,EEE	GE6351	Environmental Science and Engineering	2013
30	114, 115	UG - MECH , MCT	CE6306	Strength of Materials	2013
31	114, 115	UG - MECH , MCT	CE6451	Fluid Mechanics and Machinery	2013
32	114, 115	UG - MECH , MCT	CE6461	Fluid Mechanics and Machinery Laboratory	2013
33	101	UG-AERO	ME6352	Manufacturing Technology	2013
34	101	UG-AERO	AE6301	Aero Engineering Thermodynamics	2013
35	101	UG-AERO	CE6451	Fluid Mechanics and Machinery	2013
36	101	UG-AERO	CE6452	Solid Mechanics	2013




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1.1 List of courses offered across all programs during last five years

37	101	UG-AERO	AE6302	Elements of Aeronautics	2013
38	101, 114	UG-AERO, MECH	CE6315	Strength of Materials Laboratory	2013
39	101	UG-AERO	CE6461	Fluid Mechanics and Machinery Laboratory	2013
40	101	UG-AERO	AE6311	Thermodynamics Laboratory	2013
41	101	UG-AERO	AE6312	CAM and Manufacturing Laboratory	2013
42	104	UG-CSE	CS6301	Programming and Data Structure II	2013
43	104	UG-CSE	CS6302	Database Management Systems	2013
44	104	UG-CSE	CS6303	Computer Architecture	2013
45	104	UG-CSE	CS6304	Analog and Digital Communication	2013
46	104	UG-CSE	CS6311	Programming and Data Structure Laboratory II	2013
47	104	UG-CSE	CS6312	Database Management Systems Laboratory	2013
48	106	UG-ECE	EE6352	Electrical Engineering and Instrumentation	2013
49	106	UG-ECE	EC6301	Object Oriented Programming and Data Structures	2013
50	106, 115	UG-ECE ,MCT	EC6302	Digital Electronics	2013
51	106	UG-ECE	EC6303	Signals and Systems	2013
52	106	UG-ECE	EC6304	Electronic Circuits- I	2013
53	106	UG-ECE	EC6311	Analog and Digital Circuits Laboratory	2013
54	106	UG-ECE	EC6312	OOPS and Data Structures Laboratory	2013
55	105	UG-EEE	EE6304	Digital Logic Circuits	2013
56	105	UG-EEE	EE6302	Electromagnetic Theory	2013
57	105	UG-EEE	EC6202	Electronic Devices and Circuits	2013

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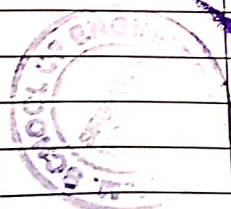


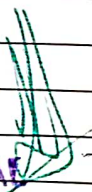
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1.1 List of courses offered across all programs during last five years

58	105	UG-EEE	EE6303	Linear Integrated Circuits and Applications	2013
59	105	UG-EEE	EC6361	Electronics Laboratory	2013
60	105	UG-EEE	EE6311	Linear and Digital Integrated Circuits Laboratory	2013
61	114	UG-MECH	ME6301	Engineering Thermodynamics	2013
62	114	UG-MECH	ME6302	Manufacturing Technology - I	2013
63	114	UG-MECH	EE6351	Electrical Drives and Controls	2013
64	114	UG-MECH	ME6311	Manufacturing Technology Laboratory - I	2013
65	114	UG-MECH	CE6461	Fluid Mechanics and Machinery Laboratory	2013
66	114	UG-MECH	EE6365	Electrical Engineering Laboratory	2013
67	115	UG-MCT	EE6358	Electrical Machines and Drives	2013
68	115	UG-MCT	ME6401	Kinematics of Machinery	2013
69	115	UG-MCT	EE6362	Electrical Machines and Drives Laboratory	2013
70	115	UG-MCT	MT6311	Computer Aided Machine Drawing	2013
71	101, 105	UG-AERO, EEE	MA6459	Numerical Methods	2013
72	114,115	UG-MECH, MCT	MA6452	Statistics and Numerical Methods	2013
73	114	UG-MECH	GE6351	Environmental Science and Engineering	2013
74	101	UG-AERO	AE6401	Aerodynamics - I	2013
75	101	UG-AERO	AE6402	Aircraft Systems and Instruments	2013
76	101	UG-AERO	AT6302	Mechanics of Machines	2013
77	101	UG-AERO	AE6403	Aircraft Structures - I	2013
78	101	UG-AERO	AE6404	Propulsion - I	2013




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1.1 List of courses offered across all programs during last five years

79	101	UG-AERO	AE6411	Aircraft Structures Laboratory - I	2013
80	101	UG-AERO	AE6412	Aerodynamics Laboratory	2013
81	101	UG-AERO	AE6413	CAD and Aircraft Component Drawing	2013
82	104	UG-CSE	MA6453	Probability and Queueing Theory	2013
83	104	UG-CSE	CS6551	Computer Networks	2013
84	104	UG-CSE	CS6401	Operating Systems	2013
85	104	UG-CSE	CS6402	Design and Analysis of Algorithms	2013
86	104	UG-CSE	EC6504	Microprocessor and Microcontroller	2013
87	104	UG-CSE	CS6403	Software Engineering	2013
88	104	UG-CSE	CS6411	Networks Laboratory	2013
89	104	UG-CSE	CS6412	Microprocessor and Microcontroller Laboratory	2013
90	104	UG-CSE	CS6413	Operating Systems Laboratory	2013
91	106	UG-ECE	MA6451	Probability and Random Processes	2013
92	106	UG-ECE	EC6401	Electronic Circuits II	2013
93	106	UG-ECE	EC6402	Communication Theory	2013
94	106	UG-ECE	EC6403	Electromagnetic Fields	2013
95	106	UG-ECE	EC6404	Linear Integrated Circuits	2013
96	106	UG-ECE	EC6405	Control System Engineering	2013
97	106	UG-ECE	EC6411	Circuit and Simulation Integrated Laboratory	2013
98	106	UG-ECE	EC6412	Linear Integrated Circuit Laboratory	2013
99	106	UG-ECE	EE6461	Electrical Engineering and Control System Laboratory	2013

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1.1 List of courses offered across all programs during last five years

100	105	UG-EEE	EE6401	Electrical Machines - I	2013
101	105	UG-EEE	CS6456	Object Oriented Programming	2013
102	105	UG-EEE	EE6402	Transmission and Distribution	2013
103	105	UG-EEE	EE6403	Discrete Time Systems and Signal Processing	2013
104	105	UG-EEE	EE6404	Measurements and Instrumentation	2013
105	105	UG-EEE	CS6461	Object Oriented Programming Laboratory	2013
106	105	UG-EEE	EE6411	Electrical Machines Laboratory - I	2013
107	114	UG-MECH	ME6401	Kinematics of Machinery	2013
108	114	UG-MECH	ME6402	Manufacturing Technology- II	2013
109	114	UG-MECH	ME6403	Engineering Materials and Metallurgy	2013
110	114	UG-MECH	GE6351	Environmental Science and Engineering	2013
111	114	UG-MECH	ME6404	Thermal Engineering	2013
112	114	UG-MECH	ME6411	Manufacturing Technology Laboratory-II	2013
113	114	UG-MECH	ME6412	Thermal Engineering Laboratory - I	2013
114	115	UG-MCT	ME6505	Dynamics of Machines	2013
115	115	UG-MCT	EC6405	Control System Engineering	2013
116	115	UG-MCT	ME6352	Manufacturing Technology	2013
117	115	UG-MCT	ME6504	Metrology and Measurements	2013
118	115	UG-MCT	MT6401	Microprocessors and Applications	2013
119	115	UG-MCT	MT6411	Microprocessor Laboratory	2013
120	115	UG-MCT	ME6465	Manufacturing Technology Laboratory	2013
121	115	UG-MCT	ME6511	Dynamics Laboratory	2013



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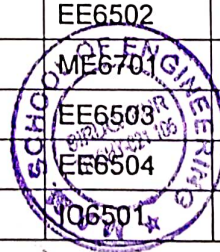
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1.1 List of courses offered across all programs during last five years

122	101	UG-AERO	AE6501	Flight Dynamics	2013
123	101	UG-AERO	AE6502	Aircraft Structures - II	2013
124	101	UG-AERO	AE6503	Aerodynamics - II	2013
125	101	UG-AERO	AE6504	Propulsion - II	2013
126	101	UG-AERO	AE6505	Control Engineering	2013
127	101, 106, 115	UG-AERO, ECE, MCT	GE6351	Environmental Science and Engineering	2013
128	101	UG-AERO	AE6511	Aircraft Structures Laboratory - II	2013
129	101	UG-AERO	AE6512	Propulsion Laboratory	2013
130	104	UG-CSE	MA6566	Discrete Mathematics	2013
131	104	UG-CSE	CS6501	Internet Programming	2013
132	104	UG-CSE	CS6502	Object Oriented Analysis and Design	2013
133	104	UG-CSE	CS6503	Theory of Computation	2013
134	104	UG-CSE	CS6504	Computer Graphics	2013
135	104	UG-CSE	CS6511	Case Tools Laboratory	2013
136	104	UG-CSE	CS6512	Internet Programming Laboratory	2013
137	104	UG-CSE	CS6513	Computer Graphics Laboratory	2013
138	105	UG-EEE	EE6501	Power System Analysis	2013
139	105	UG-EEE	EE6502	Microprocessors and Microcontrollers	2013
140	105	UG-EEE	ME6701	Power Plant Engineering	2013
141	105, 115	UG-EEE, MCT	EE6503	Power Electronics	2013
142	105	UG-EEE	EE6504	Electrical Machines - II	2013
143	105	UG-EEE	EE6501	Control Systems	2013



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1.1 List of courses offered across all programs during last five years

144	105	UG-EEE	EE6511	Control and Instrumentation Laboratory	2013
145	105	UG-EEE	GE6674	Communication and Soft Skills- Laboratory Based	2013
146	105	UG-EEE	EE6512	Electrical Machines Laboratory - II	2013
147	106	UG-ECE	EC6501	Digital Communication	2013
148	106	UG-ECE	EC6502	Principles of Digital Signal Processing	2013
149	106	UG-ECE	EC6503	Transmission Lines and Wave Guides	2013
150	106	UG-ECE	EC6504	Microprocessor and Microcontroller	2013
151	106	UG-ECE	EC6511	Digital Signal Processing Laboratory	2013
152	106	UG-ECE	EC6512	Communication System Laboratory	2013
153	106	UG-ECE	EC6513	Microprocessor and Microcontroller Laboratory	2013
154	114	UG-MECH	ME6501	Computer Aided Design	2013
155	114	UG-MECH	ME6502	Heat and Mass Transfer	2013
156	114, 115	UG-MECH, MCT	ME6503	Design of Machine Elements	2013
157	114	UG-MECH	ME6504	Metrology and Measurements	2013
158	114	UG-MECH	ME6505	Dynamics of Machines	2013
159	114	UG-MECH	GE6075	Professional Ethics in Engineering	2013
160	114	UG-MECH	ME6511	Dynamics Laboratory	2013
161	114	UG-MECH	ME6512	Thermal Engineering Laboratory-II	2013
162	114	UG-MECH	ME6513	Metrology and Measurements Laboratory	2013
163	115	UG-MCT	MT6507	Sensors and Signal Processing	2013
164	115	UG-MCT	MF6505	CNC Machining Technology	2013



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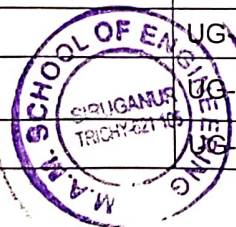
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1.1 List of courses offered across all programs during last five years

165	115	UG-MCT	MT6502	Thermodynamics Principles and Applications	2013
166	115	UG-MCT	MT6511	Power Electronics Laboratory	2013
167	115	UG-MCT	MT6512	Sensors and Signal Processing Laboratory	2013
168	115	UG-MCT	MT6513	CNC Laboratory	2013
169	101,106,114,115	UG - AERO, ECE, MECH,MCT	MG6851	Principles of Management (Aero, ECE,MECH,MCT)	2013
170	101	UG-AERO	AE6601	Finite Element Methods	2013
171	101	UG-AERO	AE6602	Vibrations and Elements of Aeroelasticity	2013
172	101	UG-AERO	AE6603	Composite Materials and Structures	2013
173	101	UG-AERO	AE6604	Aircraft Materials and Processes	2013
174	101	UG-AERO	AE6004	Heat Transfer	2013
175	101	UG-AERO	AE6611	Aero Engine and Airframe Laboratory	2013
176	101	UG-AERO	AE6612	Aircraft Design Project - I	2013
177	101	UG-AERO	AE6613	Computer Aided Simulation Laboratory	2013
178	104	UG-CSE	CS6601	Distributed Systems	2013
179	104	UG-CSE	IT6601	Mobile Computing	2013
180	104	UG-CSE	CS6660	Compiler Design	2013
181	104	UG-CSE	IT6502	Digital Signal Processing	2013
182	104	UG-CSE	CS6659	Artificial Intelligence	2013
183	104	UG-CSE	IT6004	Software Testing	2013
184	104	UG-CSE	CS6611	Mobile Application Development Laboratory	2013
185	104	UG-CSE	CS6612	Compiler Laboratory	2013



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1.1 List of courses offered across all programs during last five years

186	104, 106, 114	UG-CSE, ECE, MECH	GE6674	Communication and Soft Skills - Laboratory Based	2013
187	105	UG-EEE	EC6651	Communication Engineering	2013
188	105	UG-EEE	EE6601	Solid State Drives	2013
189	105	UG-EEE	EE6602	Embedded Systems	2013
190	105	UG-EEE	EE6603	Power System Operation and Control	2013
191	105	UG-EEE	EE6604	Design of Electrical Machines	2013
192	105	UG-EEE	EE6002	Power System Transients	2013
193	105	UG-EEE	EE6611	Power Electronics and Drives Laboratory	2013
194	105	UG-EEE	EE6612	Microprocessors and Microcontrollers Laboratory	2013
195	105	UG-EEE	EE6613	Presentation Skills and Technical Seminar	2013
196	106	UG-ECE	CS6303	Computer Architecture	2013
197	106	UG-ECE	CS6551	Computer Networks	2013
198	106	UG-ECE	EC6601	VLSI Design	2013
199	106	UG-ECE	EC6602	Antenna and Wave propagation	2013
200	106	UG-ECE	EC6001	Medical Electronics	2013
201	106	UG-ECE	EC6611	Computer Networks Laboratory	2013
202	106	UG-ECE	EC6612	VLSI Design Laboratory	2013
203	106	UG-ECE	ME6601	Design of Transmission Systems	2013
204	114	UG-MECH	ME6602	Automobile Engineering	2013
205	114	UG-MECH	ME6603	Finite Element Analysis	2013
206	114	UG-MECH	ME6604	Gas Dynamics and Jet Propulsion	2013

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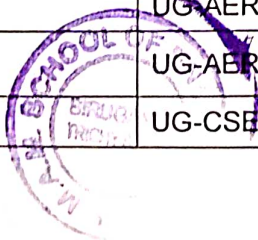
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1.1 List of courses offered across all programs during last five years

207	114	UG-MECH	ME6004	Unconventional Machining Processes	2013
208	114	UG-MECH	ME6611	C.A.D. / C.A.M. Laboratory	2013
209	114	UG-MECH	ME6612	Design and Fabrication Project	2013
210	115	UG-MCT	MT6601	Micro Controller and PLC	2013
211	115	UG-MCT	MT6602	Applied Hydraulics and Pneumatics	2013
212	115	UG-MCT	MT6603	Design of Mechatronics System	2013
213	115	UG-MCT	MT6604	Object Oriented Programming in C++	2013
214	115	UG-MCT	GE6757	Total Quality Management	2013
215	115	UG-MCT	MT6611	Micro Controller and PLC Laboratory	2013
216	115	UG-MCT	MT6612	Object Oriented Programming Laboratory	2013
217	115	UG-MCT	MT6613	Applied Hydraulics and Pneumatics Laboratory	2013
218	101	UG-AERO	GE6757	Total Quality Management	2013
219	101	UG-AERO	AE6701	Avionics	2013
220	101	UG-AERO	ME6014	Computational Fluid Dynamics	2013
221	101	UG-AERO	AE6702	Experimental Stress Analysis	2013
222	101	UG-AERO	AE6007	Fatigue and Fracture	2013
223	101	UG-AERO	AE6012	Airtraffic control and planning	2013
224	101	UG-AERO	AE6711	Aircraft Design Project - II	2013
225	101	UG-AERO	AE6712	Aircraft Systems Laboratory	2013
226	101	UG-AERO	AE6713	Flight Integration Systems and Control Laboratory	2013
227	104	UG-CSE	CS6701	Cryptography and Network Security	2013



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228	104	UG-CSE	CS6702	Graph Theory and Applications	2013
229	104	UG-CSE	CS6703	Grid and Cloud Computing	2013
230	104	UG-CSE	CS6704	Resource Management Techniques	2013
231	104	UG-CSE	IT 6801	Service Oriented Architecture	2013
232	104	UG-CSE	EC6703	Embedded And Realtime Systems	2013
233	104	UG-CSE	CS6711	Security Laboratory	2013
234	104	UG-CSE	CS6712	Grid and Cloud Computing Laboratory	2013
235	105	UG-EEE	EE6701	High Voltage Engineering	2013
236	105	UG-EEE	EE6702	Protection and Switchgear	2013
237	105	UG-EEE	EE6703	Special Electrical Machines	2013
238	105	UG-EEE	MG6851	Principles of Management	2013
239	105	UG-EEE	EE6004	Flexible AC Transmission Systems	2013
240	105, 115	UG-EEE, MCT	EE6007	Micro Electro Mechanical Systems	2013
241	105	UG-EEE	EE6711	Power System Simulation Laboratory	2013
242	105	UG-EEE	EE6712	Comprehension	2013
243	106	UG-ECE	EC6701	RF and Microwave Engineering	2013
244	106	UG-ECE	EC6702	Optical Communication and Networks	2013
245	106	UG-ECE	EC6703	Embedded and Real Time Systems	2013
246	106	UG-ECE	EC6004	Satellite Communication	2013
247	106	UG-ECE	EC6009	Advanced Computer Architecture	2013
248	106	UG-ECE	EC6016	Opto Electronic Devices	2013
249	106	UG-ECE	EC6711	Embedded Laboratory	2013

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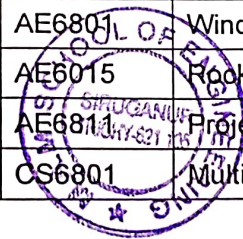
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1.1 List of courses offered across all programs during last five years

250	106	UG-ECE	EC6712	Optical and Microwave Laboratory	2013
251	114	UG-MECH	ME6701	Power Plant Engineering	2013
252	114	UG-MECH	ME6702	Mechatronics	2013
253	114	UG-MECH	ME6703	Computer Integrated Manufacturing Systems	2013
254	114	UG-MECH	GE6757	Total Quality Management	2013
255	114	UG-MECH	ME6005	Process Planning and Cost Estimation	2013
256	114	UG-MECH	ME6010	Robotics	2013
257	114	UG-MECH	ME6711	Simulation and Analysis Laboratory	2013
258	114	UG-MECH	ME6712	Mechatronics Laboratory	2013
259	114	UG-MECH	ME6713	Comprehension	2013
260	115	UG-MCT	MT6701	Medical Mechatronics	2013
261	115	UG-MCT	MT6702	Modeling and Simulation	2013
262	115	UG-MCT	MT6703	Robotics and Machine Vision System	2013
263	115	UG-MCT	ME6602	Automobile Engineering	2013
264	115	UG-MCT	MG6072	Marketing Management	2013
265	115	UG-MCT	MT6711	Computer Aided Design and Computer Aided Manufacturing Laboratory	2013
266	115	UG-MCT	MT6712	Robotics Laboratory	2013
267	115	UG-MCT	MT6713	Design and Fabrication Project	2013
268	101	UG-AERO	AE6801	Wind Tunnel Techniques	2013
269	101	UG-AERO	AE6015	Rocket and missiles	2013
270	101	UG-AERO	AE6811	Project Work	2013
271	104	UG-CSE	CS6801	Multi - Core Architectures and	2013



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				Programming	
272	104	UG-CSE	CS6008	Human Computer Interaction	2013
273	104	UG-CSE	MG6088	Software Project Management	2013
274	104	UG-CSE	CS6811	Project Work	2013
275	105	UG-EEE	EE6801	Electric Energy Generation, Utilization and Conservation	2013
276	105	UG-EEE	IC6003	Principle of Robotics	2013
277	105, 106, 115	UG-EEE, ECE, MCT	GE6075	Professional Ethics and Engineering	2013
278	105	UG-EEE	EE6811	Project Work	2013
279	106	UG-ECE	EC6801	Wireless Communication	2013
280	106	UG-ECE	EC6802	Wireless Networks	2013
281	106	UG-ECE	GE6757	Total Quality Management	2013
282	106	UG-ECE	EC6811	Project Work	2013
283	114	UG-MECH	MG6863	Engineering Economics	2013
284	114	UG-MECH	IE6605	Production Planning and Control	2013
285	114	UG-MECH	ME6018	Additive Manufacturing	2013
286	114	UG-MECH	ME6811	Project Work	2013
287	115	UG-MCT	MT6801	Automotive Electronics	2013
288	115	UG-MCT	MG6071	Entrepreneurship Development	2013
289	115	UG-MCT	MT6811	Project Work	2013
290	415	PG - PED	MA5155	Applied Mathematics for Electrical Engineers	2017
291	415	PG - PED	PX5101	Power Semiconductor Devices	2017
292	415	PG - PED	PX5151	Analysis of Electrical	2017

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				Machines	
293	415	PG - PED	PX5152	Analysis and Design of Power Converters	2017
294	415	PG - PED	IN5152	System Theory	2017
295	415	PG - PED	PX5001	Electromagnetic Field Computation and Modelling	2017
296	415	PG - PED	PX5111	Power Electronics Circuits Lab	2017
297	415	PG - PED	PX5201	Analysis and Design of Inverters	2017
298	415	PG - PED	PX5202	Solid State Drives	2017
299	415	PG - PED	PX5251	Special Electrical Machines	2017
300	415	PG - PED	PX5252	Power Quality	2017
301	415	PG - PED	PX5002	Analog and Digital Controllers	2017
302	415	PG - PED	PX5003	Flexible AC Transmission Systems	2017
303	415	PG - PED	PX7301	Power Electronics for Renewable Energy Systems	2013
304	415	PG - PED	PS7004	Solar and Energy Storage Systems	2013
305	415	PG - PED	PS7007	Wind Energy Conversion Systems	2013
306	415	PG - PED	PX7311	Project work (Phase I)	2013
307	415	PG - PED	PX7411	Project work (Phase II)	2013



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1.1. Number of courses offered by the Institution across all programs during the last five years

DVV C1: Provide authenticated list showing Number of courses offered by the Institution across all programs during the last five years duly signed by competent authority

Number of courses offered by the Institution across all programs 2016-2017



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1.1 List of courses offered across all programs during last five years

Academic Year 2016-2017

S. No.	Program code	Program Name	Course code	Course Name	Year of introduction
1	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	HS6151	Technical English - I	2013
2	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	MA6151	Mathematics – I	2013
3	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	PH6151	Engineering Physics – I	2013
4	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	CY6151	Engineering Chemistry – I	2013
5	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	GE6151	Computer Programming	2013
6	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	GE6152	Engineering Graphics	2013
7	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	GE6161	Computer Practices Laboratory	2013
8	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	GE6162	Engineering Practices Laboratory	2013
9	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	GE6163	Physics and Chemistry Laboratory - I	2013
10	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	HS6251	Technical English - II	2013
11	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	MA6251	Mathematics – II	2013
12	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	PH6251	Engineering Physics – II	2013
13	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	CY6251	Engineering Chemistry – II	2013
14	101, 114, 115	UG-AERO,MECH,MCT	GE6252	Basic Electrical and Electronics Engineering	2013
15	101, 114, 115	UG-AERO,MECH,MCT	GE6253	Engineering Mechanics	2013

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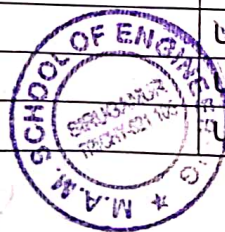
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16	101, 114, 115	UG-AERO,MECH,MCT	GE6261	Computer Aided Drafting and Modeling Laboratory	2013
17	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	GE6262	Physics and Chemistry Laboratory - II	2013
18	105	UG-EEE	GE6251	Basic Civil and Mechanical Engineering	2013
19	105	UG-EEE	EE6201	Circuit Theory	2013
20	105	UG-EEE	GE6263	Computer Programming Laboratory	2013
21	105	UG-EEE	EE6211	Electric Circuits Laboratory	2013
22	106	UG-ECE	EC6201	Electronic Devices	2013
23	106	UG-ECE	EE6202	Circuit Theory	2013
24	106	UG-ECE	EC6211	Circuits and Devices Laboratory	2013
25	104	UG- CSE	CS6201	Digital Principles and System Design	2013
26	104	UG- CSE	CS6202	Programming and Data Structures I	2013
27	104	UG- CSE	CS6211	Digital Laboratory	2013
28	104	UG- CSE	CS6212	Programming and Data Structures Laboratory I	2013
29	101, 104, 105, 106, 114, 115	UG-AERO,CSE,EEE,ECE,MECH,MCT	MA6351	Transforms and Partial Differential Equations	2013
30	104, 106	UG-CSE,EEE	GE6351	Environmental Science and Engineering	2013
31	114, 115	UG - MECH , MCT	CE6306	Strength of Materials	2013
32	114, 115	UG - MECH , MCT	CE6451	Fluid Mechanics and Machinery	2013
33	114, 115	UG - MECH , MCT	CE6461	Fluid Mechanics and Machinery Laboratory	2013
34	101	UG-AERO	ME6352	Manufacturing Technology	2013
35	101	UG-AERO	AE6301	Aero Engineering Thermodynamics	2013
36	101	UG-AERO	CE6451	Fluid Mechanics and Machinery	2013



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37	101	UG-AERO	CE6452	Solid Mechanics	2013
38	101	UG-AERO	AE6302	Elements of Aeronautics	2013
39	101, 114	UG-AERO, MECH	CE6315	Strength of Materials Laboratory	2013
40	101	UG-AERO	CE6461	Fluid Mechanics and Machinery Laboratory	2013
41	101	UG-AERO	AE6311	Thermodynamics Laboratory	2013
42	101	UG-AERO	AE6312	CAM and Manufacturing Laboratory	2013
43	104	UG-CSE	CS6301	Programming and Data Structure II	2013
44	104	UG-CSE	CS6302	Database Management Systems	2013
45	104	UG-CSE	CS6303	Computer Architecture	2013
46	104	UG-CSE	CS6304	Analog and Digital Communication	2013
47	104	UG-CSE	CS6311	Programming and Data Structure Laboratory II	2013
48	104	UG-CSE	CS6312	Database Management Systems Laboratory	2013
49	106	UG-ECE	EE6352	Electrical Engineering and Instrumentation	2013
50	106	UG-ECE	EC6301	Object Oriented Programming and Data Structures	2013
51	106, 115	UG-ECE ,MCT	EC6302	Digital Electronics	2013
52	106	UG-ECE	EC6303	Signals and Systems	2013
53	106	UG-ECE	EC6304	Electronic Circuits- I	2013
54	106	UG-ECE	EC6311	Analog and Digital Circuits Laboratory	2013
55	106	UG-ECE	EC6312	OOPS and Data Structures Laboratory	2013
56	105	UG-EEE	EE6301	Digital Logic Circuits	2013
57	105	UG-EEE	EE6302	Electromagnetic Theory	2013

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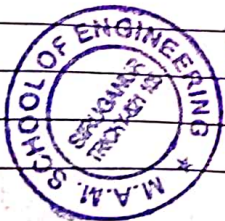
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58	105	UG-EEE	EC6202	Electronic Devices and Circuits	2013
59	105	UG-EEE	EE6303	Linear Integrated Circuits and Applications	2013
60	105	UG-EEE	EC6361	Electronics Laboratory	2013
61	105	UG-EEE	EE6311	Linear and Digital Integrated Circuits Laboratory	2013
62	114	UG-MECH	ME6301	Engineering Thermodynamics	2013
63	114	UG-MECH	ME6302	Manufacturing Technology - I	2013
64	114	UG-MECH	EE6351	Electrical Drives and Controls	2013
65	114	UG-MECH	ME6311	Manufacturing Technology Laboratory - I	2013
66	114	UG-MECH	CE6461	Fluid Mechanics and Machinery Laboratory	2013
67	114	UG-MECH	EE6365	Electrical Engineering Laboratory	2013
68	115	UG-MCT	EE6358	Electrical Machines and Drives	2013
69	115	UG-MCT	ME6401	Kinematics of Machinery	2013
70	115	UG-MCT	EE6362	Electrical Machines and Drives Laboratory	2013
71	115	UG-MCT	MT6311	Computer Aided Machine Drawing	2013
72	101, 105	UG-AERO, EEE	MA6459	Numerical Methods	2013
73	114,115	UG-MECH, MCT	MA6452	Statistics and Numerical Methods	2013
74	114	UG-MECH	GE6351	Environmental Science and Engineering	2013
75	101	UG-AERO	AE6401	Aerodynamics - I	2013
76	101	UG-AERO	AE6402	Aircraft Systems and Instruments	2013
77	101	UG-AERO	AT6302	Mechanics of Machines	2013
78	101	UG-AERO	AE6403	Aircraft Structures - I	2013



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79	101	UG-AERO	AE6404	Propulsion - I	2013
80	101	UG-AERO	AE6411	Aircraft Structures Laboratory - I	2013
81	101	UG-AERO	AE6412	Aerodynamics Laboratory	2013
82	101	UG-AERO	AE6413	CAD and Aircraft Component Drawing	2013
83	104	UG-CSE	MA6453	Probability and Queueing Theory	2013
84	104	UG-CSE	CS6551	Computer Networks	2013
85	104	UG-CSE	CS6401	Operating Systems	2013
86	104	UG-CSE	CS6402	Design and Analysis of Algorithms	2013
87	104	UG-CSE	EC6504	Microprocessor and Microcontroller	2013
88	104	UG-CSE	CS6403	Software Engineering	2013
89	104	UG-CSE	CS6411	Networks Laboratory	2013
90	104	UG-CSE	CS6412	Microprocessor and Microcontroller Laboratory	2013
91	104	UG-CSE	CS6413	Operating Systems Laboratory	2013
92	106	UG-ECE	MA6451	Probability and Random Processes	2013
93	106	UG-ECE	EC6401	Electronic Circuits II	2013
94	106	UG-ECE	EC6402	Communication Theory	2013
95	106	UG-ECE	EC6403	Electromagnetic Fields	2013
96	106	UG-ECE	EC6404	Linear Integrated Circuits	2013
97	106	UG-ECE	EC6405	Control System Engineering	2013
98	106	UG-ECE	EC6411	Circuit and Simulation Integrated Laboratory	2013
99	106	UG-ECE	EC6412	Linear Integrated Circuit Laboratory	2013
100	106	UG-ECE	EE6461	Electrical Engineering and Control	2013

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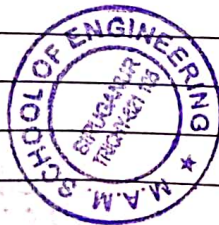
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1.1 List of courses offered across all programs during last five years

				System Laboratory	
101	105	UG-EEE	EE6401	Electrical Machines - I	2013
102	105	UG-EEE	CS6456	Object Oriented Programming	2013
103	105	UG-EEE	EE6402	Transmission and Distribution	2013
104	105	UG-EEE	EE6403	Discrete Time Systems and Signal Processing	2013
105	105	UG-EEE	EE6404	Measurements and Instrumentation	2013
106	105	UG-EEE	CS6461	Object Oriented Programming Laboratory	2013
107	105	UG-EEE	EE6411	Electrical Machines Laboratory - I	2013
108	114	UG-MECH	ME6401	Kinematics of Machinery	2013
109	114	UG-MECH	ME6402	Manufacturing Technology- II	2013
110	114	UG-MECH	ME6403	Engineering Materials and Metallurgy	2013
111	114	UG-MECH	GE6351	Environmental Science and Engineering	2013
112	114	UG-MECH	ME6404	Thermal Engineering	2013
113	114	UG-MECH	ME6411	Manufacturing Technology Laboratory-II	2013
114	114	UG-MECH	ME6412	Thermal Engineering Laboratory - I	2013
115	115	UG-MCT	ME6505	Dynamics of Machines	2013
116	115	UG-MCT	EC6405	Control System Engineering	2013
117	115	UG-MCT	ME6352	Manufacturing Technology	2013
118	115	UG-MCT	ME6504	Metrology and Measurements	2013
119	115	UG-MCT	MT6401	Microprocessors and Applications	2013
120	115	UG-MCT	MT6411	Microprocessor Laboratory	2013
121	115	UG-MCT	ME6465	Manufacturing Technology Laboratory	2013



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122	115	UG-MCT	ME6511	Dynamics Laboratory	2013
123	101	UG-AERO	AE6501	Flight Dynamics	2013
124	101	UG-AERO	AE6502	Aircraft Structures - II	2013
125	101	UG-AERO	AE6503	Aerodynamics - II	2013
126	101	UG-AERO	AE6504	Propulsion - II	2013
127	101	UG-AERO	AE6505	Control Engineering	2013
128	101, 106, 115	UG-AERO, ECE, MCT	GE6351	Environmental Science and Engineering	2013
129	101	UG-AERO	AE6511	Aircraft Structures Laboratory - II	2013
130	101	UG-AERO	AE6512	Propulsion Laboratory	2013
131	104	UG-CSE	MA6566	Discrete Mathematics	2013
132	104	UG-CSE	CS6501	Internet Programming	2013
133	104	UG-CSE	CS6502	Object Oriented Analysis and Design	2013
134	104	UG-CSE	CS6503	Theory of Computation	2013
135	104	UG-CSE	CS6504	Computer Graphics	2013
136	104	UG-CSE	CS6511	Case Tools Laboratory	2013
137	104	UG-CSE	CS6512	Internet Programming Laboratory	2013
138	104	UG-CSE	CS6513	Computer Graphics Laboratory	2013
139	105	UG-EEE	EE6501	Power System Analysis	2013
140	105	UG-EEE	EE6502	Microprocessors and Microcontrollers	2013
141	105	UG-EEE	ME6701	Power Plant Engineering	2013
142	105, 115	UG-EEE, MCT	EE6503	Power Electronics	2013
143	105	UG-EEE	EE6504	Electrical Machines - II	2013

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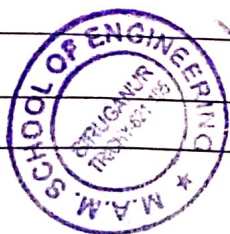
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144	105	UG-EEE	IC6501	Control Systems	2013
145	105	UG-EEE	EE6511	Control and Instrumentation Laboratory	2013
146	105	UG-EEE	GE6674	Communication and Soft Skills- Laboratory Based	2013
147	105	UG-EEE	EE6512	Electrical Machines Laboratory - II	2013
148	106	UG-ECE	EC6501	Digital Communication	2013
149	106	UG-ECE	EC6502	Principles of Digital Signal Processing	2013
150	106	UG-ECE	EC6503	Transmission Lines and Wave Guides	2013
151	106	UG-ECE	EC6504	Microprocessor and Microcontroller	2013
152	106	UG-ECE	EC6511	Digital Signal Processing Laboratory	2013
153	106	UG-ECE	EC6512	Communication System Laboratory	2013
154	106	UG-ECE	EC6513	Microprocessor and Microcontroller Laboratory	2013
155	114	UG-MECH	ME6501	Computer Aided Design	2013
156	114	UG-MECH	ME6502	Heat and Mass Transfer	2013
157	114, 115	UG-MECH, MCT	ME6503	Design of Machine Elements	2013
158	114	UG-MECH	ME6504	Metrology and Measurements	2013
159	114	UG-MECH	ME6505	Dynamics of Machines	2013
160	114	UG-MECH	GE6075	Professional Ethics in Engineering	2013
161	114	UG-MECH	ME6511	Dynamics Laboratory	2013
162	114	UG-MECH	ME6512	Thermal Engineering Laboratory-II	2013
163	114	UG-MECH	ME6513	Metrology and Measurements Laboratory	2013
164	115	UG-MCT	MT6501	Sensors and Signal Processing	2013



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1.1 List of courses offered across all programs during last five years

165	115	UG-MCT	MF6505	CNC Machining Technology	2013
166	115	UG-MCT	MT6502	Thermodynamics Principles and Applications	2013
167	115	UG-MCT	MT6511	Power Electronics Laboratory	2013
168	115	UG-MCT	MT6512	Sensors and Signal Processing Laboratory	2013
169	115	UG-MCT	MT6513	CNC Laboratory	2013
170	101,106,114,115	UG - AERO, ECE, MECH,MCT	MG6851	Principles of Management (Aero, ECE,MECH,MCT)	2013
171	101	UG-AERO	AE6601	Finite Element Methods	2013
172	101	UG-AERO	AE6602	Vibrations and Elements of Aeroelasticity	2013
173	101	UG-AERO	AE6603	Composite Materials and Structures	2013
174	101	UG-AERO	AE6604	Aircraft Materials and Processes	2013
175	101	UG-AERO	AE6004	Heat Transfer	2013
176	101	UG-AERO	AE6611	Aero Engine and Airframe Laboratory	2013
177	101	UG-AERO	AE6612	Aircraft Design Project - I	2013
178	101	UG-AERO	AE6613	Computer Aided Simulation Laboratory	2013
179	104	UG-CSE	CS6601	Distributed Systems	2013
180	104	UG-CSE	IT6601	Mobile Computing	2013
181	104	UG-CSE	CS6660	Compiler Design	2013
182	104	UG-CSE	IT6502	Digital Signal Processing	2013
183	104	UG-CSE	CS6659	Artificial Intelligence	2013
184	104	UG-CSE	IT6004	Software Testing	2013
185	104	UG-CSE	CS6611	Mobile Application Development Laboratory	2013

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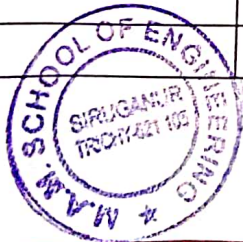
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186	104	UG-CSE	CS6612	Compiler Laboratory	2013
187	104, 106, 114	UG-CSE, ECE, MECH	GE6674	Communication and Soft Skills - Laboratory Based	2013
188	105	UG-EEE	EC6651	Communication Engineering	2013
189	105	UG-EEE	EE6601	Solid State Drives	2013
190	105	UG-EEE	EE6602	Embedded Systems	2013
191	105	UG-EEE	EE6603	Power System Operation and Control	2013
192	105	UG-EEE	EE6604	Design of Electrical Machines	2013
193	105	UG-EEE	EE6002	Power System Transients	2013
194	105	UG-EEE	EE6611	Power Electronics and Drives Laboratory	2013
195	105	UG-EEE	EE6612	Microprocessors and Microcontrollers Laboratory	2013
196	105	UG-EEE	EE6613	Presentation Skills and Technical Seminar	2013
197	106	UG-ECE	CS6303	Computer Architecture	2013
198	106	UG-ECE	CS6551	Computer Networks	2013
199	106	UG-ECE	EC6601	VLSI Design	2013
200	106	UG-ECE	EC6602	Antenna and Wave propagation	2013
201	106	UG-ECE	EC6001	Medical Electronics	2013
202	106	UG-ECE	EC6611	Computer Networks Laboratory	2013
203	106	UG-ECE	EC6612	VLSI Design Laboratory	2013
204	106	UG-ECE	ME6601	Design of Transmission Systems	2013
205	114	UG-MECH	ME6602	Automobile Engineering	2013
206	114	UG-MECH	ME6603	Finite Element Analysis	2013



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207	114	UG-MECH	ME6604	Gas Dynamics and Jet Propulsion	2013
208	114	UG-MECH	ME6004	Unconventional Machining Process	2013
209	114	UG-MECH	ME6611	C.A.D. / C.A.M. Laboratory	2013
210	114	UG-MECH	ME6612	Design and Fabrication Project	2013
211	115	UG-MCT	MT6601	Micro Controller and PLC	2013
212	115	UG-MCT	MT6602	Applied Hydraulics and Pneumatics	2013
213	115	UG-MCT	MT6603	Design of Mechatronics System	2013
214	115	UG-MCT	MT6604	Object Oriented Programming in C++	2013
215	115	UG-MCT	GE6757	Total Quality Management	2013
216	115	UG-MCT	MT6611	Micro Controller and PLC Laboratory	2013
217	115	UG-MCT	MT6612	Object Oriented Programming Laboratory	2013
218	115	UG-MCT	MT6613	Applied Hydraulics and Pneumatics Laboratory	2013
219	101	UG-AERO	GE6757	Total Quality Management	2013
220	101	UG-AERO	AE6701	Avionics	2013
221	101	UG-AERO	ME6014	Computational Fluid Dynamics	2013
222	101	UG-AERO	AE6702	Experimental Stress Analysis	2013
223	101	UG-AERO	AE6007	Fatigue and Fracture	2013
224	101	UG-AERO	AE6012	Airtraffic control and planning	2013
225	101	UG-AERO	AE6711	Aircraft Design Project - II	2013
226	101	UG-AERO	AE6712	Aircraft Systems Laboratory	2013
227	101	UG-AERO	AE6716	Flight Integration Systems and Control Laboratory	2013

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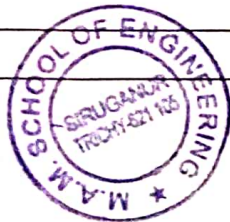
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228	104	UG-CSE	CS6701	Cryptography and Network Security	2013
229	104	UG-CSE	CS6702	Graph Theory and Applications	2013
230	104	UG-CSE	CS6703	Grid and Cloud Computing	2013
231	104	UG-CSE	CS6704	Resource Management Techniques	2013
232	104	UG-CSE	IT 6801	Service Oriented Architecture	2013
233	104	UG-CSE	EC6703	Embedded And Realtime Systems	2013
234	104	UG-CSE	CS6711	Security Laboratory	2013
235	104	UG-CSE	CS6712	Grid and Cloud Computing Laboratory	2013
236	105	UG-EEE	EE6701	High Voltage Engineering	2013
237	105	UG-EEE	EE6702	Protection and Switchgear	2013
238	105	UG-EEE	EE6703	Special Electrical Machines	2013
239	105	UG-EEE	MG6851	Principles of Management	2013
240	105	UG-EEE	EE6004	Flexible AC Transmission Systems	2013
241	105, 115	UG-EEE, MCT	EE6007	Micro Electro Mechanical Systems	2013
242	105	UG-EEE	EE6711	Power System Simulation Laboratory	2013
243	105	UG-EEE	EE6712	Comprehension	2013
244	106	UG-ECE	EC6701	RF and Microwave Engineering	2013
245	106	UG-ECE	EC6702	Optical Communication and Networks	2013
246	106	UG-ECE	EC6703	Embedded and Real Time Systems	2013
247	106	UG-ECE	EC6004	Satellite Communication	2013
248	106	UG-ECE	EC6009	Advanced Computer Architecture	2013
249	106	UG-ECE	EC6016	Opto Electronic Devices	2013



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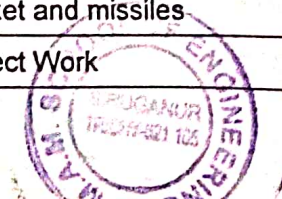
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250	106	UG-ECE	EC6711	Embedded Laboratory	2013
251	106	UG-ECE	EC6712	Optical and Microwave Laboratory	2013
252	114	UG-MECH	ME6701	Power Plant Engineering	2013
253	114	UG-MECH	ME6702	Mechatronics	2013
254	114	UG-MECH	ME6703	Computer Integrated Manufacturing Systems	2013
255	114	UG-MECH	GE6757	Total Quality Management	2013
256	114	UG-MECH	ME6005	Process Planning and Cost Estimation	2013
257	114	UG-MECH	ME6010	Robotics	2013
258	114	UG-MECH	ME6711	Simulation and Analysis Laboratory	2013
259	114	UG-MECH	ME6712	Mechatronics Laboratory	2013
260	114	UG-MECH	ME6713	Comprehension	2013
261	115	UG-MCT	MT6701	Medical Mechatronics	2013
262	115	UG-MCT	MT6702	Modeling and Simulation	2013
263	115	UG-MCT	MT6703	Robotics and Machine Vision System	2013
264	115	UG-MCT	ME6602	Automobile Engineering	2013
265	115	UG-MCT	MG6072	Marketing Management	2013
266	115	UG-MCT	MT6711	Computer Aided Design and Computer Aided Manufacturing Laboratory	2013
267	115	UG-MCT	MT6712	Robotics Laboratory	2013
268	115	UG-MCT	MT6713	Design and Fabrication Project	2013
269	101	UG-AERO	AE6801	Wind Tunnel Techniques	2013
270	101	UG-AERO	AE6015	Rocket and missiles	2013
271	101	UG-AERO	AE6811	Project Work	2013

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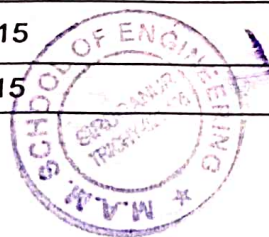
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1.1 List of courses offered across all programs during last five years

272	104	UG-CSE	CS6801	Multi – Core Architectures and Programming	2013
273	104	UG-CSE	CS6008	Human Computer Interaction	2013
274	104	UG-CSE	MG6088	Software Project Management	2013
275	104	UG-CSE	CS6811	Project Work	2013
276	105	UG-EEE	EE6801	Electric Energy Generation, Utilization and Conservation	2013
277	105	UG-EEE	IC6003	Principle of Robotics	2013
278	105, 106, 115	UG-EEE, ECE, MCT	GE6075	Professional Ethics and Engineering	2013
279	105	UG-EEE	EE6811	Project Work	2013
280	106	UG-ECE	EC6801	Wireless Communication	2013
281	106	UG-ECE	EC6802	Wireless Networks	2013
282	106	UG-ECE	GE6757	Total Quality Management	2013
283	106	UG-ECE	EC6811	Project Work	2013
284	114	UG-MECH	MG6863	Engineering Economics	2013
285	114	UG-MECH	IE6605	Production Planning and Control	2013
286	114	UG-MECH	ME6018	Additive Manufacturing	2013
287	114	UG-MECH	ME6811	Project Work	2013
288	115	UG-MCT	MT6801	Automotive Electronics	2013
289	115	UG-MCT	MG6071	Entrepreneurship Development	2013
290	115	UG-MCT	MT6811	Project Work	2013
291	415	PG - PED	MA7163	Applied Mathematics for Electrical Engineers	2013
292	415	PG - PED	PX7101	Analysis of Electrical Machines	2013



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1.1 List of courses offered across all programs during last five years

293	415	PG - PED	PX7102	Analysis of Power Converters	2013
294	415	PG - PED	PX7103	Analysis and Design of Inverters	2013
295	415	PG - PED	PX7104	Advanced Power Semiconductor Devices	2013
296	415	PG - PED	PX7001	Electromagnetic Field Computation and Modelling	2013
297	415	PG - PED	PX7201	Solid State DC Drives	2013
298	415	PG - PED	PX7202	Solid State AC Drives	2013
299	415	PG - PED	PX7203	Special Electrical Machines	2013
300	415	PG - PED	PX7204	Power Quality	2013
301	415	PG - PED	PS7202	Flexible AC Transmission Systems	2013
302	415	PG - PED	PS7002	Energy Management and Auditing	2013
303	415	PG - PED	PX7211	Power Electronics and Drives Lab	2013
304	415	PG - PED	PX7301	Power Electronics for Renewable Energy Systems	2013
305	415	PG - PED	PS7004	Solar and Energy Storage Systems	2013
306	415	PG - PED	PS7007	Wind Energy Conversion Systems	2013
307	415	PG - PED	PX7311	Project work (Phase I)	2013
308	415	PG - PED	PX7411	Project work (Phase II)	2013


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