



NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE
(NAAC Accredited)

(Approved by AICTE, Affiliated to APJ Abdul Kalam Technological University, Kerala)



FOR NAAC PURPOSE

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

ACADEMIC YEAR	2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
No.OF COURSES	352	381	365	358	374

S.No	Description	Page No.
1	Justification	02
2	No.of Courses offered during the academic year 2019-2020	03
3	No.of Courses offered during the academic year 2018-2019	16
4	No.of Courses offered during the academic year 2017-2018	33
5	No.of Courses offered during the academic year 2016--2017	42
6	No.of Courses offered during the academic year 2015-2016	48

Weblink

<http://ncerc.ac.in/downloads/criteria2/new/No.of-Program-Ncerc.pdf>

Weblink

<http://ncerc.ac.in/downloads/criteria2/new/NO-OF-COURSES.pdf>

Syllabus : APJ Abdul Kalam Technological University (KTU 2015&KTU2019 Scheme)

<https://ktu.edu.in/home.htm;jsessionid=74C38095DBA76B4DBC39E8BB56F1B44.KTUApp1#>

Syllabus : Calicut University (2009scheme)

http://geckkd.ac.in/wp-content/uploads/2015/03/01_Civil_-syllabus_2009.pdf

Syllabus : Calicut University (2014scheme)

<http://cuiet.info/download/syllabus/S1 S2- 2014.pdf>



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As per DVV suggestions, seminars, projects and practical courses are excluded and only theory courses are included. Thus the revised values are as above.

JUSTIFICATION

On an average , 5 to 6 theory courses are offered in each semester by the institution as per the affiliating University APJ Abdul Kalam Technological University . The institution offers various programs in Engineering , Management and Computer Applications .

The details are as follows

ACADEMIC YEAR	2019-2020	2018-2019	2017-2018	2016-2017	2015-2016
No.OF PROGRAM	12	14	15	15	15

PROGRAM	SEMESTER	No. of THEORY COURSES
B.Tech	1-7	6
B.Tech	8	4
M.Tech	1-2	5
M.Tech	3	2
MBA	1-5	6
MCA	1-5	5

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S. No	Program code	Program Name	Course code	Course Name	Year of introduction
1	CS	B.Tech. Computer Science and Engineering	MAT 101	LINEAR ALGEBRA AND CALCULUS	2019
2	CS	B.Tech. Computer Science and Engineering	PHT 100	ENGINEERING PHYSICS A	2019
3	CS	B.Tech. Computer Science and Engineering	CYT 100	ENGINEERING CHEMISTRY	2019
4	CS	B.Tech. Computer Science and Engineering	EST 110	ENGINEERING GRAPHICS	2019
5	CS	B.Tech. Computer Science and Engineering	EST 120	BASICS OF CIVIL & MECHANICAL ENGINEERING	2019
6	CS	B.Tech. Computer Science and Engineering	EST 130	BASICS OF ELECTRICAL & ELECTRONICS ENGINEERING	2019
7	CS	B.Tech. Computer Science and Engineering	MAT 102	VECTOR CALCULUS, DIFFERENTIAL EQUATIONS AND TRANSFORMS	2019
8	CS	B.Tech. Computer Science and Engineering	HUT 102	PROFESSIONAL COMMUNICATION	2019
9	CS	B.Tech. Computer Science and Engineering	EST 102	PROGRAMMING IN C	2019
10	CS	B.Tech. Computer Science and Engineering	CS201	Discrete Computational Structures	2015
11	CS	B.Tech. Computer Science and Engineering	CS203	Switching Theory and Logic Design	2015
12	CS	B.Tech. Computer Science and Engineering	CS205	Data Structures	2015
13	CS	B.Tech. Computer Science and Engineering	CS207	Electronics Devices & Circuits	2015
14	CS	B.Tech. Computer Science and Engineering	HS210/HS200	Life Skills/Business Economics	2015
15	CS	B.Tech. Computer Science and Engineering	MA202	Probability Distributions, Transforms and Numerical Methods	2015
16	CS	B.Tech. Computer Science and Engineering	CS202	Computer Organization and Architecture	2015
17	CS	B.Tech. Computer Science and Engineering	CS204	Operating Systems	2015
18	CS	B.Tech. Computer Science and Engineering	CS206	Object Oriented Design and Programming	2015
19	CS	B.Tech. Computer Science and Engineering	CS208	Principles of Database Design	2015
20	CS	B.Tech. Computer Science and Engineering	CS301	Theory of Computation	2015
21	CS	B.Tech. Computer Science and Engineering	CS303	System Software	2015
22	CS	B.Tech. Computer Science and Engineering	CS305	Microprocessors and Microcontrollers	2015
23	CS	B.Tech. Computer Science and Engineering	CS307	Data Communication	2015
24	CS	B.Tech. Computer Science and Engineering	CS309	Graph Theory and Combinatorics	2015
25	CS	B.Tech. Computer Science and Engineering	CS361	Soft Computing	2015
26	CS	B.Tech. Computer Science and Engineering	CS365	Optimization Techniques	2015
27	CS	B.Tech. Computer Science and Engineering	CS367	Logic for Computer Science	2015
28	CS	B.Tech. Computer Science and Engineering	CS302	Design and Analysis of Algorithms	2015



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S. No	Program code	Program Name	Course code	Course Name	Year of introduction
29	CS	B.Tech. Computer Science and Engineering	CS304	Compiler Design	2015
30	CS	B.Tech. Computer Science and Engineering	CS306	Computer Networks	2015
31	CS	B.Tech. Computer Science and Engineering	HS300	Principles of Management	2015
32	CS	B.Tech. Computer Science and Engineering	CS364	Mobile Computing	2015
33	CS	B.Tech. Computer Science and Engineering	CS366	Natural Language Processing	2015
34	CS	B.Tech. Computer Science and Engineering	CS368	Web Technologies	2015
35	CS	B.Tech. Computer Science and Engineering	CS401	Computer Graphics	2015
36	CS	B.Tech. Computer Science and Engineering	CS403	Programming Paradigms	2015
37	CS	B.Tech. Computer Science and Engineering	CS405	Computer System Architecture	2015
38	CS	B.Tech. Computer Science and Engineering	CS407	Distributed Computing	2015
39	CS	B.Tech. Computer Science and Engineering	CS409	Cryptography and Network Security	2015
40	CS	B.Tech. Computer Science and Engineering	CS465	Bio Informatics	2015
41	CS	B.Tech. Computer Science and Engineering	CS467	Machine Learning	2015
42	CS	B.Tech. Computer Science and Engineering	CS469	Computational complexity	2015
43	CS	B.Tech. Computer Science and Engineering	CS402	Data Mining and Ware Housing	2015
44	CS	B.Tech. Computer Science and Engineering	CS404	Embedded Systems	2015
45	CS	B.Tech. Computer Science and Engineering	CS464	Artificial Intelligence	2015
46	CS	B.Tech. Computer Science and Engineering	CS468	Cloud Computing	2015
47	CS	B.Tech. Computer Science and Engineering	CS472	Principles of Information Security	2015
48	CSCC	M.Tech Cyber Security	08CS 6211	Mathematical Foundations of Computer Science	2015
49	CSCC	M.Tech Cyber Security	08CS 6221	Internetworking – Protocols and Security	2015
50	CSCC	M.Tech Cyber Security	08CS 6231	Advanced Cryptography	2015
51	CSCC	M.Tech Cyber Security	08CS 6241	Advanced Computer Architecture	2015
52	CSCC	M.Tech Cyber Security	08CS 6251(A)	High Speed Networks	2015
53	CSCC	M.Tech Cyber Security	08CS 6212	Mobile and Wireless Network Security	2015
54	CSCC	M.Tech Cyber Security	08CS 6222	Secure Coding	2015
55	CSCC	M.Tech Cyber Security	08CS 6232	Digital Forensics	2015
56	CSCC	M.Tech Cyber Security	08CS 6242(A)	Data Compression	2015



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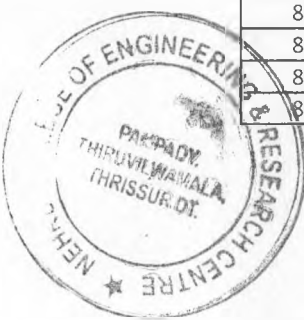
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S. No	Program code	Program Name	Course code	Course Name	Year of introduction
57	EC	B TECH Electronics & Communication Engineering	MA 102	Differential Equations	2015
58	EC	B TECH Electronics & Communication Engineering	PH100	Engineering Physics	2015
59	EC	B TECH Electronics & Communication Engineering	BE100	Engineering Mechanics	2015
60	EC	B TECH Electronics & Communication Engineering	BE102	Design and Engineering	2015
61	EC	B TECH Electronics & Communication Engineering	ME100	Basics Of Mechanical Engineering	2015
62	EC	B TECH Electronics & Communication Engineering	CE100	Basics Civil Engineering	2015
63	EC	B TECH Electronics & Communication Engineering	EC201	NETWORK THEORY	2015
64	EC	B TECH Electronics & Communication Engineering	EC203	SOLID STATE DEVICES	2015
65	EC	B TECH Electronics & Communication Engineering	EC205	ELECTRONIC CIRCUITS	2015
66	EC	B TECH Electronics & Communication Engineering	EC207	LOGIC CIRCUIT DESIGN	2015
67	EC	B TECH Electronics & Communication Engineering	MA204	PROBABILITY, RANDOM PROCESSES AND NUMERICAL METHODS	2015
68	EC	B TECH Electronics & Communication Engineering	EC202	SIGNALS & SYSTEMS	2015
69	EC	B TECH Electronics & Communication Engineering	EC206	COMPUTER ORGANIZATION	2015
70	EC	B TECH Electronics & Communication Engineering	EC208	ANALOG COMMUNICATION ENGINEERING	2015
71	EC	B TECH Electronics & Communication Engineering	EC301	DIGITAL SIGNAL PROCESSING	2015
72	EC	B TECH Electronics & Communication Engineering	EC303	APPLIED ELECTROMAGNETIC THEORY	2015
73	EC	B TECH Electronics & Communication Engineering	EC305	MICROPROCESSORS & MICROCONTROLLERS	2015
74	EC	B TECH Electronics & Communication Engineering	EC307	POWER ELECTRONICS & INSTRUMENTATION	2015
75	EC	B TECH Electronics & Communication Engineering	EC361*	DIGITAL SYSTEM DESIGN	2015
76	EC	B TECH Electronics & Communication Engineering	EC302	DIGITAL COMMUNICATION	2015
77	EC	B TECH Electronics & Communication Engineering	EC304	VLSI	2015
78	EC	B TECH Electronics & Communication Engineering	EC306	ANTENNA & WAVE PROPAGATION	2015
79	EC	B TECH Electronics & Communication Engineering	EC268*	ROBOTICS	2015
80	EC	B TECH Electronics & Communication Engineering	EC401	INFORMATION THEORY & CODING	2015
81	EC	B TECH Electronics & Communication Engineering	EC403	MICROWAVE & RADAR ENGINEERING	2015
82	EC	B TECH Electronics & Communication Engineering	EC405	OPTICAL COMMUNICATION	2015
83	EC	B TECH Electronics & Communication Engineering	EC407	COMPUTER COMMUNICATION	2015
84	EC	B TECH Electronics & Communication Engineering	EC409	CONTROL SYSTEMS	2015

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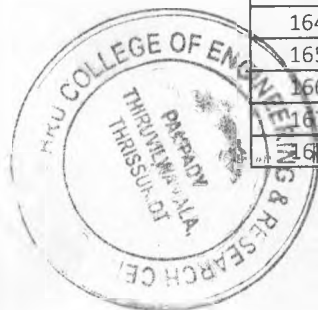


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S. No	Program code	Program Name	Course code	Course Name	Year of introduction
141	EEES	M Tech(Energy Systems)	08EE6011	Applied Mathematics	2015
142	EEES	M Tech(Energy Systems)	08EE6021	Advanced Energy Conversion Systems	2015
143	EEES	M Tech(Energy Systems)	08EE6031	Renewable Energy Technology	2015
144	EEES	M Tech(Energy Systems)	08EE6041	Electrical Energy Systems and Management	2015
145	EEES	M Tech(Energy Systems)	08EE6051 (A)	Energy Policies for Sustainable Development	2015
146	EEES	M Tech(Energy Systems)	08EE6012	Design and Analysis of Energy Systems	2015
147	EEES	M Tech(Energy Systems)	08EE6022	Energy Conservation in Thermal Systems	2015
148	EEES	M Tech(Energy Systems)	08EE6032	Energy and Environment	2015
149	EEES	M Tech(Energy Systems)	08EE6042 (A)	Hydro Power Systems	2015
150	EEES	M Tech(Energy Systems)	08EE6052 (A)	Wind Energy and its Utilization	2015
151	EEES	M Tech(Energy Systems)	08EE7013 (C)	Energy Efficient Buildings	2015
152	EEES	M Tech(Energy Systems)	08EE7023(C)	Nanomaterials and Nanotechnology	2015
153	EE	B Tech., Electrical and Electronics Engineering	EE201	Circuits and, Networks	2015
154	EE	B Tech., Electrical and Electronics Engineering	EE203	Analogue Electronic Circuits	2015
155	EE	B Tech., Electrical and Electronics Engineering	EE205	DC Machines and Transformers	2015
156	EE	B Tech., Electrical and Electronics Engineering	EE207	Computer Programming	2015
157	EE	B Tech., Electrical and Electronics Engineering	EE202	Synchronous and Induction Machines	2015
158	EE	B Tech., Electrical and Electronics Engineering	EE204	Digital Electronics and Logic Design	2015
159	EE	B Tech., Electrical and Electronics Engineering	EE206	Material Science	2015
160	EE	B Tech., Electrical and Electronics Engineering	EE208	Measurements and Instrumentation	2015
161	EE	B Tech., Electrical and Electronics Engineering	EE301	Power Generation, Transmission and Protection	2015
162	EE	B Tech., Electrical and Electronics Engineering	EE305	Power Electronics	2015
163	EE	B Tech., Electrical and Electronics Engineering	EE307	Signals and Systems	2015
164	EE	B Tech., Electrical and Electronics Engineering	EE309	Microprocessor and Embedded Systems	2015
165	EE	B Tech., Electrical and Electronics Engineering	EE367	New and Renewable Energy Systems	2015
166	EE	B Tech., Electrical and Electronics Engineering	EE302	Electromagnetics	2015
167	EE	B Tech., Electrical and Electronics Engineering	EE304	Advanced Control Theory	2015
168	EE	B Tech., Electrical and Electronics Engineering	EE306	Power System Analysis	2015



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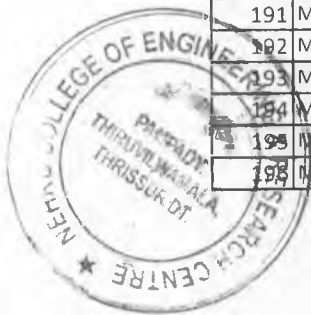


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169	EE	B Tech., Electrical and Electronics Engineering	EE308	Electric Drives	2015
170	EE	B Tech., Electrical and Electronics Engineering	EE364	Switched Mode Power Converters (HONOURS)	2015
171	EE	B Tech., Electrical and Electronics Engineering	EE401	Electronic communication	2015
172	EE	B Tech., Electrical and Electronics Engineering	EE403	Distributed generation and smart grids	2015
173	EE	B Tech., Electrical and Electronics Engineering	EE405	Electrical system design	2015
174	EE	B Tech., Electrical and Electronics Engineering	EE407	Digital Signal Processing	2015
175	EE	B Tech., Electrical and Electronics Engineering	EE409	Electrical Machine Design	2015
176	EE	B Tech., Electrical and Electronics Engineering	EE465	Power Quality	2015
177	EE	B Tech., Electrical and Electronics Engineering	EE469	Electric and Hybrid Vehicles	2015
178	EE	B Tech., Electrical and Electronics Engineering	EE464	FACTS	2015
179	EE	B Tech., Electrical and Electronics Engineering	EE474	Energy Management and Auditing	2015
180	EE	B Tech., Electrical and Electronics Engineering	EE402	Special Electric Machines	2015
181	EE	B Tech., Electrical and Electronics Engineering	EE404	Industrial Instrumentation & Automation	2015
182	MBA	Masters in Business Administration	11	QT – Quantitative Methods for Management	2015
183	MBA	Masters in Business Administration	12	OB 1– Organizational Behaviour	2015
184	MBA	Masters in Business Administration	13	ME – Managerial Economics	2015
185	MBA	Masters in Business Administration	14	BC – Business Communication	2015
186	MBA	Masters in Business Administration	15	ACC – Accounting for Managers	2015
187	MBA	Masters in Business Administration	16	B&S – Business and Society	2015
188	MBA	Masters in Business Administration	17	MS 1- Managerial Skill	2015
189	MBA	Masters in Business Administration	21	OB II- Organizational Behavior II	2015
190	MBA	Masters in Business Administration	22	BE-Business Environment	2015
191	MBA	Masters in Business Administration	23	MM I – Marketing Management I	2015
192	MBA	Masters in Business Administration	24	OM-Operation Management	2015
193	MBA	Masters in Business Administration	25	FM I-Financial Management	2015
194	MBA	Masters in Business Administration	26	BL – Business Law	2015
195	MBA	Masters in Business Administration	27	MS II- Managerial Skill	2015
196	MBA	Masters in Business Administration	31	Marketing Management II	2015



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197	MBA	Masters in Business Administration	32	Financial Management II	2015
198	MBA	Masters in Business Administration	33	Human Resource Management	2015
199	MBA	Masters in Business Administration	34	Business Research Methods	2015
200	MBA	Masters in Business Administration	35	Management Information System	2015
201	MBA	Masters in Business Administration	36	Operation Research	2015
202	MBA	Masters in Business Administration	37	Strategic Management	2015
203	MBA	Masters in Business Administration	38	Managerial Skills III	2015
204	MBA	Masters in Business Administration	41	IB-International Business	2015
205	MBA	Masters in Business Administration	42	BA-Business Analytics	2015
206	MBA	Masters in Business Administration	FIN-T4-1	FM&S-Financial market and Services	2015
207	MBA	Masters in Business Administration	FIN-T4-4	CBS-Commercial Banking System	2015
208	MBA	Masters in Business Administration	HR-T4-1	T&D-Training and Development	2015
209	MBA	Masters in Business Administration	MKT-T4/T5-10 /	Integrated Marketing Communications /	2015
210	MBA	Masters in Business Administration	OM-T4-6	LM-Logistics and Material Handling	2015
211	MBA	Masters in Business Administration	MKT-T4-4/	Service marketing/	2015
212	MBA	Masters in Business Administration	OM-T4-4	Business Process Reengineering	2015
213	MBA	Masters in Business Administration	51	ESHIP-Entrepreneurship	2015
214	MBA	Masters in Business Administration	52	BE-Business Ethics& Corporate Governance	2015
215	MBA	Masters in Business Administration	FIN-T5-8/	SAPM—Security Analysis and Portfolio Management/	2015
216	MBA	Masters in Business Administration	OM-T5-12	Six Sigma and Total Quality Management	2015
217	MBA	Masters in Business Administration	FIN -T5-9	Corporate Taxation/	2015
218	MBA	Masters in Business Administration	OM-T5-7	HCM-Health Care Management	2015
219	MBA	Masters in Business Administration	Fin-T5-11	Non Banking Financial System/	2015
220	MBA	Masters in Business Administration	OM-T5-10	IMPD-Innovation Management and New Product Development/	2015
221	MBA	Masters in Business Administration	MKT-T511/	CRM-Customer Relation Management/	2015
222	MBA	Masters in Business Administration	HR-T5-7	Performance Management	2015
223	MBA	Masters in Business Administration	61	CCM-Cross cultural Management	2015
224	MBA	Masters in Business Administration	HR-T6-14/	HRA-Human Resource Analytics/	2015



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225	MBA	Masters in Business Administration	FIN-T6-13	IM-Insurance Management	2015
226	MBA	Masters in Business Administration	OM-T6-13	Business Sustainability	2015
227	MBA	Masters in Business Administration	MKT-T6-14	B2B-Business to Business Marketing	2015
228	MCA	Masters in Computer Applications	RLMCA101	Problem Solving and Computer Programming	2015
229	MCA	Masters in Computer Applications	RLMCA103	Discrete Mathematics	2015
230	MCA	Masters in Computer Applications	RLMCA105	Applied Probability and Statistics	2015
231	MCA	Masters in Computer Applications	RLMCA109	Digital Fundamentals	2015
232	MCA	Masters in Computer Applications	RLMCA108	Operations Research	2015
233	MCA	Masters in Computer Applications	RLMCA201	Computer Networks	2015
234	MCA	Masters in Computer Applications	RLMCA203	Software Engineering	2015
235	MCA	Masters in Computer Applications	RLMCA205	Database Management Systems	2015
236	MCA	Masters in Computer Applications	RLMCA209	Web Programming	2015
237	MCA	Masters in Computer Applications	RLMCA202	Application Development and Maintenance	2015
238	MCA	Masters in Computer Applications	RLMCA204	Bigdata Technologies	2015
239	MCA	Masters in Computer Applications	RLMCA208	Introduction to Machine Learning	2015
240	MCA	Masters in Computer Applications	RLMCA274	Business Intelligence and its Applications	2015
241	MCA	Masters in Computer Applications	RLMCA301	Web Data Mining	2015
242	MCA	Masters in Computer Applications	RLMCA303	E-Commerce	2015
243	MCA	Masters in Computer Applications	RLMCA305	Cryptography and Cyber Security	2015
244	MCA	Masters in Computer Applications	RLMCA371	Social Network Analysis	2015
245	ME	BTECH MECHANICAL ENGINEERING	ME202	ADVANCED MECHANICS OF SOLIDS	2015
246	ME	BTECH MECHANICAL ENGINEERING	ME204	THERMAL ENGINEERING	2015
247	ME	BTECH MECHANICAL ENGINEERING	ME206	FLUID MACHINERY	2015
248	ME	BTECH MECHANICAL ENGINEERING	HS210	LIFE SKILLS	2015
249	ME	BTECH MECHANICAL ENGINEERING	ME306	ADVANCED MANUFACTURING TECHNOLOGY	2015
250	ME	BTECH MECHANICAL ENGINEERING	ME308	COMPUTER AIDED DESIGN & ANALYSIS	2015
251	ME	BTECH MECHANICAL ENGINEERING	ME312	METROLOGY & INSTRUMENTATION	2015
252	ME	BTECH MECHANICAL ENGINEERING	ME376	MAINTENANCE ENGINEERING	2015



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253	ME	BTECH MECHANICAL ENGINEERING	ME402	DESIGN OF MACHINE ELEMENTS II	2015
254	ME	BTECH MECHANICAL ENGINEERING	ME404	INDUSTRIAL ENGINEERING	2015
255	ME	BTECH MECHANICAL ENGINEERING	ME462	PROPULSION ENGINEERING	2015
256	ME	BTECH MECHANICAL ENGINEERING	ME464	ROBOTICS & AUTOMATION	2015
257	ME	BTECH MECHANICAL ENGINEERING	ME476	MATERIAL HANDLING & FACILITIES PLANNING	2015
258	ME	BTECH MECHANICAL ENGINEERING	ME203	MECHANICS OF FLUIDS	2015
259	ME	BTECH MECHANICAL ENGINEERING	ME210	METALLURGY & MATERIALS ENGINEERING	2015
260	ME	BTECH MECHANICAL ENGINEERING	ME301	MECHANICS OF MACHINERY	2015
261	ME	BTECH MECHANICAL ENGINEERING	ME303	MACHINE TOOLS & DIGITAL MANUFACTURING	2015
262	ME	BTECH MECHANICAL ENGINEERING	ME305	COMPUTER PROGRAMMING & NUMERICAL METHODS	2015
263	ME	BTECH MECHANICAL ENGINEERING	ME401	DESIGN OF MACHINE ELEMENTS I	2015
264	ME	BTECH MECHANICAL ENGINEERING	ME403	ADVANCED ENERGY ENGINEERING	2015
265	ME	BTECH MECHANICAL ENGINEERING	ME405	REFRIGERATION & AIR-CONDITIONING	2015
266	ME	BTECH MECHANICAL ENGINEERING	ME407	MECHATRONICS	2015
267	ME	BTECH MECHANICAL ENGINEERING	ME409	COMPRESSIBLE FLUID FLOW	2015
268	ME	BTECH MECHANICAL ENGINEERING	ME463	AUTOMOBILE ENGINEERING	2015
269	ME	BTECH MECHANICAL ENGINEERING	ME467	CRYOGENIC ENGINEERING	2015
270	ME	BTECH MECHANICAL ENGINEERING	IE306	SUPPLY CHAIN & LOGISTICS MANAGEMENT	2015
271	MEMD	Mtech Machine Design	08ME 7013 A	Fracture Mechanics	2015
272	MEMD	Mtech Machine Design	08 ME7023 C	Computer Integrated Manufacturing	2015
273	MC	B Tech-MECHATRONICS	MR201	C Programming	2015
274	MC	B Tech-MECHATRONICS	EE209	Electrical Technology	2015
275	MC	B Tech-MECHATRONICS	EC209	Analog Electronics	2015
276	MC	B Tech-MECHATRONICS	MR205	Science of Measurements	2015
277	MC	B Tech-MECHATRONICS	EC212	Linear Integrated Circuits and Digital Electronics	2015
278	MC	B Tech-MECHATRONICS	ME200	Fluid Mechanics & Machinery	2015
279	MC	B Tech-MECHATRONICS	MR301	Linear Control Systems	2015



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

Academic Year 2019-2020					
S. No	Program code	Program Name	Course code	Course Name	Year of introduction
280	MC	B Tech-MECHATRONICS	MR303	Microprocessors and Microcontrollers	2015
281	MC	B Tech-MECHATRONICS	MR305	PLC and Data Acquisition Systems	2015
282	MC	B Tech-MECHATRONICS	MR307	Thermodynamics	2015
283	MC	B Tech-MECHATRONICS		Elective 1	2015
284	MC	B Tech-MECHATRONICS	MR361	Reliability Engineering	2015
285	MC	B Tech-MECHATRONICS	MR363	Object Oriented Programming	2015
286	MC	B Tech-MECHATRONICS	MR365	Composite Materials	2015
287	MC	B Tech-MECHATRONICS	MR302	Robotics Engineering	2015
288	MC	B Tech-MECHATRONICS	MR304	Digital Image Processing and Machine Vision	2015
289	MC	B Tech-MECHATRONICS	MR306	Mechanics of Solids	2015
290	MC	B Tech-MECHATRONICS	MR308	Digital Manufacturing	2015
291	MC	B Tech-MECHATRONICS	MR364	Energy Engineering Management	2015
292	MC	B Tech-MECHATRONICS	MR366	Biomaterials	2015
293	MC	B Tech-MECHATRONICS	AE403	Biomedical Instrumentation	2015
294	MC	B Tech-MECHATRONICS	MR401	Advanced Automation Systems	2015
295	MC	B Tech-MECHATRONICS	MR403	Nanotechnology	2015
296	MC	B Tech-MECHATRONICS	MR407	Autotronics	2015
297	MC	B Tech-MECHATRONICS	MR409	Micro Electro Mechanical Systems	2015
298	MC	B Tech-MECHATRONICS	MR461	Fuzzy Logic Controllers	2015
299	MC	B Tech-MECHATRONICS	MR463	Bio Mechatronics	2015
300	MC	B Tech-MECHATRONICS	MR465	Entrepreneurship	2015
301	MC	B Tech-MECHATRONICS	MR402	Soft Computing Techniques	2015
302	MC	B Tech-MECHATRONICS	MR404	Power Electronics and Drives	2015
303	MC	B Tech-MECHATRONICS		Elective 4	2015
304	MC	B Tech-MECHATRONICS		Elective 5	2015
305	MC	B Tech-MECHATRONICS	MR462	Industrial Electronics and Applications	2015



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

Academic Year 2019-2020					
S. No	Program code	Program Name	Course code	Course Name	Year of introduction
306	MC	B Tech-MECHATRONICS	MR464	Agile Manufacturing Systems	2015
307	MC	B Tech-MECHATRONICS	MR466	Special Electrical Machines and Applications	2015
308	MC	B Tech-MECHATRONICS	MR468	Research Methodology	2015
309	MC	B Tech-MECHATRONICS	AO482	FLIGHT AGAIST GRAVITY	2015
310	MC	B Tech-MECHATRONICS	AE482	INDUSTRIAL INSTRUMENTATION	2015
311	MC	B Tech-MECHATRONICS	AE484	INSTRUMENTATION SYSTEM DESIGN	2015
312	MC	B Tech-MECHATRONICS	BM 482	BIO MEDICAL INSTRUMENTATION (AE 403/ Bio Medical Instrumentation	2015
313	MC	B Tech-MECHATRONICS	BM484	MEDICAL IMAGING & IMAGE PROCESSING TECHNIQUES	2015
314	MC	B Tech-MECHATRONICS	BT461	DESIGN OF BIOLOGICAL WASTEWATER SYSTEMS	2015
315	MC	B Tech-MECHATRONICS	BT362	BT362 SUSTAINABLE ENERGY PROCESSES	2015
316	MC	B Tech-MECHATRONICS	CH482	PROCESS UTILITIES AND PIPE LINE DESIGN	2015
317	MC	B Tech-MECHATRONICS	CH484	FUEL CELL TECHNOLOGY	2015
318	MC	B Tech-MECHATRONICS	CE482	ENVIRONMENTAL IMPACT ASSESSMENT	2015
319	MC	B Tech-MECHATRONICS	CE484	APPLIED EARTH SYSTEMS	2015
320	MC	B Tech-MECHATRONICS	CE486	GEO INFORMATICS FOR INFRASTRUCTURE MANAGEMENT	2015
321	MC	B Tech-MECHATRONICS	CE488	DISASTER MANAGEMENT	2015
322	MC	B Tech-MECHATRONICS	CE494	ENVIRONMENT HEALTH AND SAFETY	2015
323	MC	B Tech-MECHATRONICS	CS486	OBJECT ORIENTED PROGRAMMING (MR363/ OBJECTED ORIENTED PROGRAMMING)	2015
324	MC	B Tech-MECHATRONICS	CS488	C # AND .NET PROGRAMMING	2015
325	MC	B Tech-MECHATRONICS	FT482	FOOD PROCESS ENGINEERING	2015
326	MC	B Tech-MECHATRONICS	FT484	FOOD STORAGE ENGINEERING	2015
327	MC	B Tech-MECHATRONICS	FT486	FOOD ADDITIVES AND FLAVOURING	2015
328	MC	B Tech-MECHATRONICS	.IE482	FINANCIAL MANAGEMENT	2015
329	MC	B Tech-MECHATRONICS	IE484	INTRODUCTION TO BUSINESS ANALYTICS	2015
330	MC	B Tech-MECHATRONICS	IE486	DESIGN AND ANALYSIS OF EXPERIMENTS	2015
331	MC	B Tech-MECHATRONICS	IC482	BIOMEDICAL SIGNAL PROCESSING	2015
332	MC	B Tech-MECHATRONICS	IT482	INFORMATION STORAGE MANAGEMENT	2015
333	MC	B Tech-MECHATRONICS	MA482	APPLIED LINEAR ALGEBRA	2015



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

Academic Year 2019-2020					
S. No	Program code	Program Name	Course code	Course Name	Year of introduction
334	MC	B Tech-MECHATRONICS	MA486	ADVANCED NUMERICAL COMPUTATIONS	2015
335	MC	B Tech-MECHATRONICS	MA488	CRYPTOGRAPHY	2015
336	MC	B Tech-MECHATRONICS	ME484	FINITE ELEMENT ANALYSIS	2015
337	MC	B Tech-MECHATRONICS	MP482	PRODUCT DEVELOPMENT AND DESIGN	2015
338	MC	B Tech-MECHATRONICS	MP469	INDUSTRIAL PSYCHOLOGY & ORGANIZATIONAL BEHAVIOUR	2015
339	MC	B Tech-MECHATRONICS	MT482	INDUSTRIAL SAFETY	2015
340	MC	B Tech-MECHATRONICS	FS482	RESPONSIBLE ENGINEERING	2015
341	MC	B Tech-MECHATRONICS	SB482	DREDGERS AND HARBOUR CRAFTS	2015
342	MC	B Tech-MECHATRONICS	HS482	PROFESSIONAL ETHICS	2015
343	CSCE	M Tech Computer Science and Engineering	08 CS 6011	Operating System Design	2015
344	CSCE	M Tech Computer Science and Engineering	08 CS 6021	Advanced Data Structures	2015
345	CSCE	M Tech Computer Science and Engineering	08 CS 6031	Advanced Database Technology	2015
346	CSCE	M Tech Computer Science and Engineering	08 CS 6051(A)	Computational Intelligence	2015
347	CSCE	M Tech Computer Science and Engineering	08 CS 6012	Advanced Compiler Design	2015
348	CSCE	M Tech Computer Science and Engineering	08 CS 6022	Information Retrieval	2015
349	CSCE	M Tech Computer Science and Engineering	08 CS 6032	Evolutionary Computing	2015
350	CSCE	M Tech Computer Science and Engineering	08 CS 6042(B)	Big Data Essentials	2015
351	CSCE	M Tech Computer Science and Engineering	08 CS 7011(A)	Unix Internals	2015
352	CSCE	M Tech Computer Science and Engineering	08 CS 7021(B)	Semantic Web	2015

Total No. of Courses offered across all programs during the academic year 2019-2020 = 352



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

Academic Year 2018-2019					
S No	Program code	Program Name	Course code	Course Name	Year of introduction
1	CS	B.Tech. Computer Science and Engineering	MA101	Calculus	2015
2	CS	B.Tech. Computer Science and Engineering	PH100	Engineering Physics	2015
3	CS	B.Tech. Computer Science and Engineering	CY100	Engineering Chemistry	2015
4	CS	B.Tech. Computer Science and Engineering	BE101-0X	Introduction to _____ Engineering	2015
5	CS	B.Tech. Computer Science and Engineering	BE103	Introduction to Sustainable Engineering	2015
6	CS	B.Tech. Computer Science and Engineering	CE100	Basics of Civil Engineering	2015
7	CS	B.Tech. Computer Science and Engineering	ME100	Basics of Mechanical Engineering	2015
8	CS	B.Tech. Computer Science and Engineering	EE100	Basics of Electrical Engineering	2015
9	CS	B.Tech. Computer Science and Engineering	EC100	Basics of Electronics Engineering	2015
10	CS	B.Tech. Computer Science and Engineering	MA102	Differential Equations	2015
11	CS	B.Tech. Computer Science and Engineering	BE100	Engineering Mechanics	2015
12	CS	B.Tech. Computer Science and Engineering	BE110	Engineering Graphics	2015
13	CS	B.Tech. Computer Science and Engineering	BE102	Design & Engineering	2015
14	CS	B.Tech. Computer Science and Engineering	CS 100	Computer Programming	2015
15	CS	B.Tech. Computer Science and Engineering	MA201	Linear Algebra & Complex Analysis	2015
16	CS	B.Tech. Computer Science and Engineering	CS201	Discrete Computational Structures	2015
17	CS	B.Tech. Computer Science and Engineering	CS203	Switching Theory and Logic Design	2015
18	CS	B.Tech. Computer Science and Engineering	CS205	Data Structures	2015
19	CS	B.Tech. Computer Science and Engineering	CS207	Electronics Devices & Circuits	2015
20	CS	B.Tech. Computer Science and Engineering	HS210/HS200	Life Skills/Business Economics	2015
21	CS	B.Tech. Computer Science and Engineering	MA202	Probability Distributions, Transforms and Numerical Methods	2015
22	CS	B.Tech. Computer Science and Engineering	CS202	Computer Organization and Architecture	2015
23	CS	B.Tech. Computer Science and Engineering	CS204	Operating Systems	2015



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

Academic Year 2018-2019					
S No	Program code	Program Name	Course code	Course Name	Year of introduction
24	CS	B.Tech. Computer Science and Engineering	CS206	Object Oriented Design and Programming	2015
25	CS	B.Tech. Computer Science and Engineering	CS208	Principles of Database Design	2015
26	CS	B.Tech. Computer Science and Engineering	CS301	Theory of Computation	2015
27	CS	B.Tech. Computer Science and Engineering	CS303	System Software	2015
28	CS	B.Tech. Computer Science and Engineering	CS305	Microprocessors and Microcontrollers	2015
29	CS	B.Tech. Computer Science and Engineering	CS307	Data Communication	2015
30	CS	B.Tech. Computer Science and Engineering	CS309	Graph Theory and Combinatorics	2015
31	CS	B.Tech. Computer Science and Engineering	CS361	Soft Computing	2015
32	CS	B.Tech. Computer Science and Engineering	CS365	Optimization Techniques	2015
33	CS	B.Tech. Computer Science and Engineering	CS367	Logic for Computer Science	2015
34	CS	B.Tech. Computer Science and Engineering	CS369	Digital System Testing & Testable Design	2015
35	CS	B.Tech. Computer Science and Engineering	CS302	Design and Analysis of Algorithms	2015
36	CS	B.Tech. Computer Science and Engineering	CS304	Compiler Design	2015
37	CS	B.Tech. Computer Science and Engineering	CS306	Computer Networks	2015
38	CS	B.Tech. Computer Science and Engineering	HS300	Principles of Management	2015
39	CS	B.Tech. Computer Science and Engineering	CS362	Computer Vision	2015
40	CS	B.Tech. Computer Science and Engineering	CS364	Mobile Computing	2015
41	CS	B.Tech. Computer Science and Engineering	CS366	Natural Language Processing	2015
42	CS	B.Tech. Computer Science and Engineering	CS368	Web Technologies	2015
43	CS	B.Tech. Computer Science and Engineering	CS372	High Performance Computing	2015
44	CS	B.Tech. Computer Science and Engineering	CS401	Computer Graphics	2015
45	CS	B.Tech. Computer Science and Engineering	CS403	Programming Paradigms	2015
46	CS	B.Tech. Computer Science and Engineering	CS405	Computer System Architecture	2015

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

Academic Year 2018-2019					
S No	Program code	Program Name	Course code	Course Name	Year of introduction
47	CS	B.Tech. Computer Science and Engineering	CS407	Distributed Computing	2015
48	CS	B.Tech. Computer Science and Engineering	CS409	Cryptography and Network Security	2015
49	CS	B.Tech. Computer Science and Engineering	CS461	Computational Geometry	2015
50	CS	B.Tech. Computer Science and Engineering	CS463	Digital Image Processing	2015
51	CS	B.Tech. Computer Science and Engineering	CS465	Bio Informatics	2015
52	CS	B.Tech. Computer Science and Engineering	CS467	Machine Learning	2015
53	CS	B.Tech. Computer Science and Engineering	CS469	Computational complexity	2015
54	CS	B.Tech. Computer Science and Engineering	CS402	Data Mining and Ware Housing	2015
55	CS	B.Tech. Computer Science and Engineering	CS462	Fuzzy Set Theory and Applications	2015
56	CS	B.Tech. Computer Science and Engineering	CS464	Artificial Intelligence	2015
57	CS	B.Tech. Computer Science and Engineering	CS466	Data Science	2015
58	CS	B.Tech. Computer Science and Engineering	CS472	Principles of Information Security	2015
59	EC	B TECH Electronics & Communication Engineering	EC201	NETWORK THEORY	2015
60	EC	B TECH Electronics & Communication Engineering	EC203	SOLID STATE DEVICES	2015
61	EC	B TECH Electronics & Communication Engineering	EC205	ELECTRONIC CIRCUITS	2015
62	EC	B TECH Electronics & Communication Engineering	EC207	LOGIC CIRCUIT DESIGN	2015
63	EC	B TECH Electronics & Communication Engineering	MS210	LIFE SKILLS	2015
64	EC	B TECH Electronics & Communication Engineering	MA204	PROBABILITY, RANDOM PROCESSES AND NUMERICAL METHODS	2015
65	EC	B TECH Electronics & Communication Engineering	EC202	SIGNALS & SYSTEMS	2015
66	EC	B TECH Electronics & Communication Engineering	EC204	ANALOG INTEGRATED CIRCUITS	2015
67	EC	B TECH Electronics & Communication Engineering	EC206	COMPUTER ORGANIZATION	2015
68	EC	B TECH Electronics & Communication Engineering	EC208	ANALOG COMMUNICATION ENGINEERING	2015
69	EC	B TECH Electronics & Communication Engineering	EC301	DIGITAL SIGNAL PROCESSING	2015



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

Academic Year 2018-2019					
S No	Program code	Program Name	Course code	Course Name	Year of introduction
70	EC	B TECH Electronics & Communication Engineering	EC303	APPLIED ELECTROMAGNETIC THEORY	2015
71	EC	B TECH Electronics & Communication Engineering	EC305	MICROPROCESSORS & MICROCONTROLLERS	2015
72	EC	B TECH Electronics & Communication Engineering	EC307	POWER ELECTRONICS & INSTRUMENTATION	2015
73	EC	B TECH Electronics & Communication Engineering	EC361*	DIGITAL SYSTEM DESIGN	2015
74	EC	B TECH Electronics & Communication Engineering	EC302	DIGITAL COMMUNICATION	2015
75	EC	B TECH Electronics & Communication Engineering	EC304	VLSI	2015
76	EC	B TECH Electronics & Communication Engineering	EC306	ANTENNA & WAVE PROPAGATION	2015
77	EC	B TECH Electronics & Communication Engineering	EC268*	ROBOTICS	2015
78	EC	B TECH Electronics & Communication Engineering	EC401	INFORMATION THEORY & CODING	2015
79	EC	B TECH Electronics & Communication Engineering	EC403	MICROWAVE & RADAR ENGINEERING	2015
80	EC	B TECH Electronics & Communication Engineering	EC405	OPTICAL COMMUNICATION	2015
81	EC	B TECH Electronics & Communication Engineering	EC407	COMPUTER COMMUNICATION	2015
82	EC	B TECH Electronics & Communication Engineering	EC409	CONTROL SYSTEMS	2015
83	EC	B TECH Electronics & Communication Engineering	EC461#	MICROWAVE DEVICES AND CIRCUITS	2015
84	EC	B TECH Electronics & Communication Engineering	EC402	NANO ELECTRONICS	2015
85	ECVL	MTECH VLSI VLSI Design	08EC6311	ADVANCED ENGG MATHEMATICS	2015
86	ECVL	MTECH VLSI VLSI Design	08EC6321	CMOS VLSI DESIGN	2015
87	ECVL	MTECH VLSI VLSI Design	08EC6331	ADVANCED DSD	2015
88	ECVL	MTECH VLSI VLSI Design	08EC6341	VLSI FABRICATION TECHNOLOGY	2015
89	ECVL	MTECH VLSI VLSI Design	08EC6351	DIGITAL INTEGRATED CIRCUITS	2015
90	ECVL	MTECH VLSI VLSI Design	08 EC 6312	ANALOG VLSI DESIGN	2015
91	ECVL	MTECH VLSI VLSI Design	08 EC 6322	CAD OF VLSI CIRCUITS	2015
92	ECVL	MTECH VLSI VLSI Design	08 EC 6332	TESTING & VERIFICATION OF VLSI CIRCUITS	2015
93	ECVL	MTECH VLSI VLSI Design	08 EC 6342(A)	LOW POWER VLSI DESIGN	2015



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S No	Program code	Program Name	Course code	Course Name	Year of introduction
94	ECVL	MTECH VLSI VLSI Design	08 EC 6352(B)	SoC DESIGN & VERIFICATION	2015
95	ECVL	MTECH VLSI VLSI Design	08EC7313	FPGA ARCHITECTURE	2015
96	ECVL	MTECH VLSI VLSI Design	08EC7323	SYSTEM VERILOG	2015
97	AU	BTECH AUTOMOBILE ENGINEERING	AU201	S I Engines & Combustion	2015
98	AU	BTECH AUTOMOBILE ENGINEERING	AU203	Auto Chassis	2015
99	AU	BTECH AUTOMOBILE ENGINEERING	AU202	Advanced Thermodynamics	2015
100	AU	BTECH AUTOMOBILE ENGINEERING	AU204	C I Engines & Combustion	2015
101	AU	BTECH AUTOMOBILE ENGINEERING	AU206	Auto Transmission	2015
102	AU	BTECH AUTOMOBILE ENGINEERING	ME307	Machine Design-I	2015
103	AU	BTECH AUTOMOBILE ENGINEERING	ME309	Metallurgy & Material Science	2015
104	AU	BTECH AUTOMOBILE ENGINEERING	ME311	Manufacturing Processes	2015
105	AU	BTECH AUTOMOBILE ENGINEERING	EE311	Electrical Drives and Control for Automation	2015
106	AU	BTECH AUTOMOBILE ENGINEERING	AU307	Vehicle Body Engineering	2015
107	AU	BTECH AUTOMOBILE ENGINEERING	AU361	Alternative Fuels and Energy Sources	2015
108	AU	BTECH AUTOMOBILE ENGINEERING	AU363	Plastics & Composites in Automobile	2015
109	AU	BTECH AUTOMOBILE ENGINEERING	AU365	Automotive Pollution and Testing	2015
110	AU	BTECH AUTOMOBILE ENGINEERING	ME369	Tribology	2015
111	AU	BTECH AUTOMOBILE ENGINEERING	ME302	Heat & Mass Transfer	2015
112	AU	BTECH AUTOMOBILE ENGINEERING	ME304	Dynamics of Machinery	2015
113	AU	BTECH AUTOMOBILE ENGINEERING	ME314	Machine Design-II	2015
114	AU	BTECH AUTOMOBILE ENGINEERING	AU302	Automotive Electrical and Electronics	2015
115	AU	BTECH AUTOMOBILE ENGINEERING	AU362	Hybrid and Fuel Cell Vehicles	2015
116	AU	BTECH AUTOMOBILE ENGINEERING	AU364	Vehicle Performance & Testing	2015
117	AU	BTECH AUTOMOBILE ENGINEERING	AU366	Vehicle Aerodynamics	2015



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118	AU	BTECH AUTOMOBILE ENGINEERING	ME368	Marketing Management	2015
119	AU	BTECH AUTOMOBILE ENGINEERING	ME374	Theory of Vibration	2015
120	AU	BTECH AUTOMOBILE ENGINEERING	AU401	Automotive System Design	2015
121	AU	BTECH AUTOMOBILE ENGINEERING	AU403	Vehicle Dynamics	2015
122	AU	BTECH AUTOMOBILE ENGINEERING	AU405	Automotive Refrigeration & Air Conditioning	2015
123	AU	BTECH AUTOMOBILE ENGINEERING	AU407	Advanced I C Engines	2015
124	AU	BTECH AUTOMOBILE ENGINEERING	AU409	Simulation & Analysis of IC Engine Processes	2015
125	AU	BTECH AUTOMOBILE ENGINEERING	AU461	Automotive Comfort & Safety Engineering	2015
126	AU	BTECH AUTOMOBILE ENGINEERING	AU463	Operation Management in Auto Industry	2015
127	AU	BTECH AUTOMOBILE ENGINEERING	AU465	Product Design & Life Cycle Management	2015
128	AU	BTECH AUTOMOBILE ENGINEERING	AU410	Vehicle Transport & Fleet Management	2015
129	AU	BTECH AUTOMOBILE ENGINEERING	AU402	Two and Three Wheelers	2015
130	AU	BTECH AUTOMOBILE ENGINEERING	AU404	Engine & Vehicle Management Systems	2015
131	AU	BTECH AUTOMOBILE ENGINEERING	AU462	Vehicle Maintenance	2015
132	AU	BTECH AUTOMOBILE ENGINEERING	AU464	Special Type of Vehicles	2015
133	AU	BTECH AUTOMOBILE ENGINEERING	AU466	Automobile Manufacturing Technology	2015
134	AU	BTECH AUTOMOBILE ENGINEERING	AU468	AGV and Autonomous Vehicles	2015
135	AU	BTECH AUTOMOBILE ENGINEERING	AU472	Metrology and Instrumentation	2015
136	EE	B Tech., Electrical and Electronics Engineering		V100 Entrepreneurship/TBI/NCC/NSS/ Physical Edn. etc	2015
137	EE	B Tech., Electrical and Electronics Engineering	EE201	Circuits and, Networks	2015
138	EE	B Tech., Electrical and Electronics Engineering	EE203	Analogue Electronic Circuits	2015
139	EE	B Tech., Electrical and Electronics Engineering	EE205	DC Machines and Transformers	2015



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

Academic Year 2018-2019					
S No	Program code	Program Name	Course code	Course Name	Year of introduction
164	EE	B Tech., Electrical and Electronics Engineering	EE372	Biomedical Instrumentation	2015
165	EE	B Tech., Electrical and Electronics Engineering	EE352	Comprehensive Exam	2015
166	EE	B Tech., Electrical and Electronics Engineering	EE401	Electronic communication	2015
167	EE	B Tech., Electrical and Electronics Engineering	EE403	Distributed generation and smart grids	2015
168	EE	B Tech., Electrical and Electronics Engineering	EE405	Electrical system design	2015
169	EE	B Tech., Electrical and Electronics Engineering	EE407	Digital Signal Processing	2015
170	EE	B Tech., Electrical and Electronics Engineering	EE409	Electrical Machine Design	2015
171	EE	B Tech., Electrical and Electronics Engineering	EE461	Modern Operating Systems	2015
172	EE	B Tech., Electrical and Electronics Engineering	EE463	Computer Aided Power Systems Analysis	2015
173	EE	B Tech., Electrical and Electronics Engineering	EE465	Power Quality	2015
174	EE	B Tech., Electrical and Electronics Engineering	EE467	Nonlinear Control Systems	2015
175	EE	B Tech., Electrical and Electronics Engineering	EE469	Electric and Hybrid Vehicles	2015
176	EE	B Tech., Electrical and Electronics Engineering	EE402	Special Electric Machines	2015
177	EE	B Tech., Electrical and Electronics Engineering	EE404	Industrial Instrumentation & Automation	2015
178	EE	B Tech., Electrical and Electronics Engineering	EE462	Design of Digital Control Systems	2015
179	EE	B Tech., Electrical and Electronics Engineering	EE464	FACTS	2015
180	EE	B Tech., Electrical and Electronics Engineering	EE466	Digital Image Processing	2015
181	EE	B Tech., Electrical and Electronics Engineering	EE468	Computer Networks	2015
182	EE	B Tech., Electrical and Electronics Engineering	EE472	Internet of Things	2015
183	EE	B Tech., Electrical and Electronics Engineering	EE474	Energy Management and Auditing	2015
184	EEES	M Tech., Energy Systems	08EE6011	Applied Mathematics	2015
185	EEES	M Tech., Energy Systems	08EE6021	Advanced Energy Conversion Systems	2015
186	EEES	M Tech., Energy Systems	08EE6031	Renewable Energy Technology	2015
187	EEES	M Tech., Energy Systems	08EE6041	Electrical Energy Systems and Management	2015



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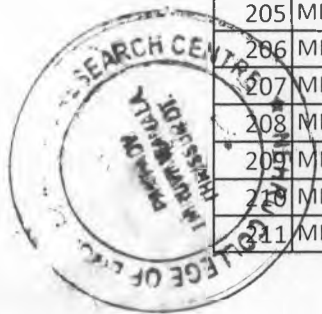


NEHRU COLLEGE OF ENGINEERING & RESEARCH CENTRE
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1.1 Number of courses offered by the Institution across all programs during the last five years

Academic Year 2018-2019					
S No	Program code	Program Name	Course code	Course Name	Year of introduction
188	EEES	M Tech., Energy Systems	08EE6051(A):	Energy Policies for Sustainable Development	2015
189	EEES	M Tech., Energy Systems	08EE6051(C):	Advanced Instrumentation	2015
190	EEES	M Tech., Energy Systems	08EE6012	Design and Analysis of Energy	2015
191	EEES	M Tech., Energy Systems		Systems	2015
192	EEES	M Tech., Energy Systems	08EE6022	Energy Conservation in Thermal Systems	2015
193	EEES	M Tech., Energy Systems	08EE6032	Energy and Environment	2015
194	EEES	M Tech., Energy Systems	08EE6042(A):	Hydro Power Systems	2015
195	EEES	M Tech., Energy Systems	08EE6042(C):	Computational Fluid Dynamics	2015
196	EEES	M Tech., Energy Systems	08EE6052(A):	Wind Energy and its Utilization	2015
197	EEES	M Tech., Energy Systems	08EE6052(B):	Advanced Solar Thermal and PV Systems	2015
198	EEES	M Tech., Energy Systems	08EE6052(C):	Emerging Refrigeration Technologies	2015
199	EEES	M Tech., Energy Systems	08EE7013(B) :	Theory of Combustion	2015
200	EEES	M Tech., Energy Systems	08EE7013(C) :	Energy Efficient Buildings	2015
201	EEES	M Tech., Energy Systems	08EE7023(A) :	Optimal Design of Heat Exchangers	2015
202	EEES	M Tech., Energy Systems	08EE7023(C) :	Nanomaterials and Nanotechnology	2015
203	MBA	Masters in Business Administration	11	QT – Quantitative Methods for Management	2015
204	MBA	Masters in Business Administration	12	OB 1– Organizational Behaviour	2015
205	MBA	Masters in Business Administration	13	ME – Managerial Economics	2015
206	MBA	Masters in Business Administration	14	BC – Business Communication	2015
207	MBA	Masters in Business Administration	15	ACC – Accounting for Managers	2015
208	MBA	Masters in Business Administration	16	B&S – Business and Society	2015
209	MBA	Masters in Business Administration	17	MS 1- Managerial Skill	2015
210	MBA	Masters in Business Administration	21	OB II- Organizational Behavior II	2015
211	MBA	Masters in Business Administration	22	BE-Business Environment	2015



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

Academic Year 2018-2019

S No	Program code	Program Name	Course code	Course Name	Year of introduction
212	MBA	Masters in Business Administration	23	MM I – Marketing Management I	2015
213	MBA	Masters in Business Administration	24	OM-Operation Management	2015
214	MBA	Masters in Business Administration	25	FM I-Financial Management	2015
215	MBA	Masters in Business Administration	26	BL – Business Law	2015
216	MBA	Masters in Business Administration	27	MS II- Managerial Skill	2015
217	MBA	Masters in Business Administration	31	Marketing Management II	2015
218	MBA	Masters in Business Administration	32	Financial Management II	2015
219	MBA	Masters in Business Administration	33	Human Resource Management	2015
220	MBA	Masters in Business Administration	34	Business Research Methods	2015
221	MBA	Masters in Business Administration	35	Management Information System	2015
222	MBA	Masters in Business Administration	36	Operation Research	2015
223	MBA	Masters in Business Administration	37	Strategic Management	2015
224	MBA	Masters in Business Administration	38	Managerial Skills III	2015
225	MBA	Masters in Business Administration	41	IB-International Business	2015
226	MBA	Masters in Business Administration	42	BA-Business Analytics	2015
227	MBA	Masters in Business Administration	FIN-T4-1	FM&S-Financial market and Services	2015
228	MBA	Masters in Business Administration	HRT402	OCD	2015
229	MBA	Masters in Business Administration	FIN-T4-4	CBS-Commercial Banking System	2015
230	MBA	Masters in Business Administration	HR-T4-1	T&D-Training and Development	2015
231	MBA	Masters in Business Administration	MKTT402	Consumer behaviour	2015
232	MBA	Masters in Business Administration	OM-T4-6	LM-Logistics and Material Handling	2015
233	MBA	Masters in Business Administration	HRT404	MSO	2015
234	MBA	Masters in Business Administration	FINT406	Financial statement analysis	2015
235	MBA	Masters in Business Administration	51	ESHIP-Entrepreneurship	2015



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

Academic Year 2018-2019					
S No	Program code	Program Name	Course code	Course Name	Year of introduction
236	MBA	Masters in Business Administration	52	BE-Business Ethics& Corporate Governance	2015
237	MBA	Masters in Business Administration	FIN-T5-8/	SAPM—Security Analysis and Portfolio Management/	2015
238	MBA	Masters in Business Administration	OMt511	Green logistics and supply chain	2015
239	MBA	Masters in Business Administration	HRT508	Compensation management	2015
240	MBA	Masters in Business Administration	OM-T5-7	HCM-Health Care Management	2015
241	MBA	Masters in Business Administration	MKTT508	Brand Management	2015
242	MBA	Masters in Business Administration	OM-T5-10	IMPD-Innovation Management and New Product Development/	2015
243	MBA	Masters in Business Administration	MKT-T510/	Integrated Marketing Communications /	2015
244	MBA	Masters in Business Administration	MKTT511	customer relationship management	2015
245	MBA	Masters in Business Administration	61	CCM-Cross cultural Management	2015
246	MBA	Masters in Business Administration	HR-T6-14/	HRA-Human Resource Analytics/	2015
247	MBA	Masters in Business Administration	FIN-T6-13	IM-Insurance Management	2015
248	MBA	Masters in Business Administration	OM-T6-13	Business Sustainability	2015
249	MBA	Masters in Business Administration	MKT-T6-14	B2B-Business to Business Marketing	2015
250	MCA	Masters in Computer Applications	RLMCA101	Problem Solving and Computer Programming	2015
251	MCA	Masters in Computer Applications	RLMCA103	Discrete Mathematics	2015
252	MCA	Masters in Computer Applications	RLMCA105	Applied Probability and Statistics	2015
253	MCA	Masters in Computer Applications	RLMCA109	Digital Fundamentals	2015
254	MCA	Masters in Computer Applications	RLMCA201	Computer Networks	2015
255	MCA	Masters in Computer Applications	RLMCA203	Software Engineering	2015
256	MCA	Masters in Computer Applications	RLMCA205	Database Management Systems	2015
257	MCA	Masters in Computer Applications	RLMCA209	Web Programming	2015



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

Academic Year 2018-2019					
S No	Program code	Program Name	Course code	Course Name	Year of introduction
258	MCA	Masters in Computer Applications	RLMCA202	Application Development and Maintenance	2015
259	MCA	Masters in Computer Applications	RLMCA204	Bigdata Technologies	2015
260	MCA	Masters in Computer Applications	RLMCA208	Introduction to Machine Learning	2015
261	MCA	Masters in Computer Applications	RLMCA274	Business Intelligence and its Applications	2015
262	MCA	Masters in Computer Applications	RLMCA301	Web Data Mining	2015
263	MCA	Masters in Computer Applications	RLMCA303	E-Commerce	2015
264	MCA	Masters in Computer Applications	RLMCA305	Cryptography and Cyber Security	2015
265	MCA	Masters in Computer Applications	RLMCA371	Social Network Analysis	2015
266	ME	BTECH MECHANICAL ENGINEERING	ME 203	Mechanics of Fluids	2015
267	ME	BTECH MECHANICAL ENGINEERING	ME 210	Metallurgy and Materials Engineering	2015
268	ME	BTECH MECHANICAL ENGINEERING	ME 301	Mechanics of Machinery	2015
269	ME	BTECH MECHANICAL ENGINEERING	ME 303	Machine Tools and Digital Manufacturing	2015
270	ME	BTECH MECHANICAL ENGINEERING	ME 305	Computer Programming & Numerical Methods	2015
271	ME	BTECH MECHANICAL ENGINEERING	EE 311	Electrical Drives & Control for Automation	2015
272	ME	BTECH MECHANICAL ENGINEERING	ME373	Human Relations Management	2015
273	ME	BTECH MECHANICAL ENGINEERING	ME365	Advanced Metal Casting	2015
274	ME	BTECH MECHANICAL ENGINEERING	ME367	Non-Destructive Testing	2015
275	ME	BTECH MECHANICAL ENGINEERING	ME 401	Design of Machine Elements	2015
276	ME	BTECH MECHANICAL ENGINEERING	ME 403	Advanced Energy Engineering	2015
277	ME	BTECH MECHANICAL ENGINEERING	ME 405	Refrigeration and Air-Conditioning	2015
278	ME	BTECH MECHANICAL ENGINEERING	ME 407	Mechatronics	2015
279	ME	BTECH MECHANICAL ENGINEERING	ME 409	Compressible fluid flow	2015
280	ME	BTECH MECHANICAL ENGINEERING	ME463	Automobile Egg	2015
281	ME	BTECH MECHANICAL ENGINEERING	ME 306	Supply chain management	2015



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

Academic Year 2018-2019					
S No	Program code	Program Name	Course code	Course Name	Year of introduction
306	MC	B Tech-MECHATRONICS	MR365	Composite Materials	2015
307	MC	B Tech-MECHATRONICS	MR302	Robotics Engineering	2015
308	MC	B Tech-MECHATRONICS	MR304	Digital Image Processing and Machine Vision	2015
309	MC	B Tech-MECHATRONICS	MR306	Mechanics of Solids	2015
310	MC	B Tech-MECHATRONICS	MR308	Digital Manufacturing	2015
311	MC	B Tech-MECHATRONICS	MR352	Comprehensive Exam	2015
312	MC	B Tech-MECHATRONICS	MR364	Energy Engineering Management	2015
313	MC	B Tech-MECHATRONICS	MR366	Biomaterials	2015
314	MC	B Tech-MECHATRONICS	AE403	Biomedical Instrumentation	2015
315	MC	B Tech-MECHATRONICS	MR401	Advanced Automation Systems	2015
316	MC	B Tech-MECHATRONICS	MR403	Nanotechnology	2015
317	MC	B Tech-MECHATRONICS	MR405	Embedded Systems	2015
318	MC	B Tech-MECHATRONICS	MR407	Autotronics	2015
319	MC	B Tech-MECHATRONICS	MR409	Micro Electro Mechanical Systems	2015
320	MC	B Tech-MECHATRONICS	MR461	Fuzzy Logic Controllers	2015
321	MC	B Tech-MECHATRONICS	MR463	Bio Mechatronics	2015
322	MC	B Tech-MECHATRONICS	MR465	Entrepreneurship	2015
323	MC	B Tech-MECHATRONICS	MR402	Soft Computing Techniques	2015
324	MC	B Tech-MECHATRONICS	MR404	Power Electronics and Drives	2015
325	MC	B Tech-MECHATRONICS		Elective 4	2015
326	MC	B Tech-MECHATRONICS		Elective 5	2015
327	MC	B Tech-MECHATRONICS	MR462	Industrial Electronics and Applications	2015
328	MC	B Tech-MECHATRONICS	MR464	Agile Manufacturing Systems	2015
329	MC	B Tech-MECHATRONICS	MR466	Special Electrical Machines and Applications	2015



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

Academic Year 2018-2019					
S No	Program code	Program Name	Course code	Course Name	Year of introduction
354	MC	B Tech-MECHATRONICS	IE484	INTRODUCTION TO BUSINESS ANALYTICS	2015
355	MC	B Tech-MECHATRONICS	IE486	DESIGN AND ANALYSIS OF EXPERIMENTS	2015
356	MC	B Tech-MECHATRONICS	IE488	TOTAL QUALITY MANAGEMENT	2015
357	MC	B Tech-MECHATRONICS	IC482	BIOMEDICAL SIGNAL PROCESSING	2015
358	MC	B Tech-MECHATRONICS	IT482	INFORMATION STORAGE MANAGEMENT	2015
359	MC	B Tech-MECHATRONICS	MA482	APPLIED LINEAR ALGEBRA	2015
360	MC	B Tech-MECHATRONICS	MA484	OPERATIONS RESEARCH	2015
361	MC	B Tech-MECHATRONICS	MA486	ADVANCED NUMERICAL COMPUTATIONS	2015
362	MC	B Tech-MECHATRONICS	MA488	CRYPTOGRAPHY	2015
363	MC	B Tech-MECHATRONICS	ME484	FINITE ELEMENT ANALYSIS	2015
364	MC	B Tech-MECHATRONICS	ME482	ENERGY CONSERVATION AND MANAGEMENT	2015
365	MC	B Tech-MECHATRONICS	MP482	PRODUCT DEVELOPMENT AND DESIGN	2015
366	MC	B Tech-MECHATRONICS	MP469	INDUSTRIAL PSYCHOLOGY & ORGANIZATIONAL BEHAVIO	2015
367	MC	B Tech-MECHATRONICS	MT482	INDUSTRIAL SAFETY	2015
368	MC	B Tech-MECHATRONICS	FS482	RESPONSIBLE ENGINEERING	2015
369	MC	B Tech-MECHATRONICS	SB482	DREDGERS AND HARBOUR CRAFTS	2015
370	MC	B Tech-MECHATRONICS	HS482	PROFESSIONAL ETHICS	2015
371	CSCE	M Tech Computer Science and Engineering	08 CS 6011	Operating System Design	2015
372	CSCE	M Tech Computer Science and Engineering	08 CS 6021	Advanced Data Structures	2015
373	CSCE	M Tech Computer Science and Engineering	08 CS 6031	Advanced Database Technology	2015
374	CSCE	M Tech Computer Science and Engineering	08 CS 6041	Mathematical Foundations of Computer Science	2015
375	CSCE	M Tech Computer Science and Engineering	08 CS 6051(A)	Computational Intelligence	2015
376	CSCE	M Tech Computer Science and Engineering	08 GN 6001	Research Methodology	2015
377	CSCE	M Tech Computer Science and Engineering	08 CS 6012	Advanced Compiler Design	2015



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

Academic Year 2018-2019					
S No	Program code	Program Name	Course code	Course Name	Year of introduction
378	CSCE	M Tech Computer Science and Engineering	08 CS 6022	Information Retrieval	2015
379	CSCE	M Tech Computer Science and Engineering	08 CS 6032	Evolutionary Computing	2015
380	CSCE	M Tech Computer Science and Engineering	08 CS 6042(B)	Big Data Essentials	2015
381	CSCE	M Tech Computer Science and Engineering	08 CS 6052(A)	Cloud Computing	2015

Total No.of Courses offered across all programs during the academic year 2018-2019 = 381



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

Academic Year 2017-2018					
S No	Program code	Program Name	Course code	Course Name	Year of introduction
1	CS	B.Tech. Computer Science and Engineering	MA101	Calculus	2015
2	CS	B.Tech. Computer Science and Engineering	PH100	Engineering Physics	2015
3	CS	B.Tech. Computer Science and Engineering	CY100	Engineering Chemistry	2015
4	CS	B.Tech. Computer Science and Engineering	BE101-0X	Introduction to _____ Engineering	2015
5	CS	B.Tech. Computer Science and Engineering	BE103	Introduction to Sustainable Engineering	2015
6	CS	B.Tech. Computer Science and Engineering	CE100	Basics of Civil Engineering	2015
7	CS	B.Tech. Computer Science and Engineering	ME100	Basics of Mechanical Engineering	2015
8	CS	B.Tech. Computer Science and Engineering	EE100	Basics of Electrical Engineering	2015
9	CS	B.Tech. Computer Science and Engineering	EC100	Basics of Electronics Engineering	2015
10	CS	B.Tech. Computer Science and Engineering	MA102	Differential Equations	2015
11	CS	B.Tech. Computer Science and Engineering	BE100	Engineering Mechanics	2015
12	CS	B.Tech. Computer Science and Engineering	BE110	Engineering Graphics	2015
13	CS	B.Tech. Computer Science and Engineering	BE102	Design & Engineering	2015
14	CS	B.Tech. Computer Science and Engineering	CS 100	Computer Programming	2015
15	CS	B.Tech. Computer Science and Engineering	MA201	Linear Algebra & Complex Analysis	2015
16	CS	B.Tech. Computer Science and Engineering	CS201	Discrete Computational Structures	2015
17	CS	B.Tech. Computer Science and Engineering	CS203	Switching Theory and Logic Design	2015
18	CS	B.Tech. Computer Science and Engineering	CS205	Data Structures	2015
19	CS	B.Tech. Computer Science and Engineering	CS207	Electronics Devices & Circuits	2015
20	CS	B.Tech. Computer Science and Engineering	CS202	Computer Organization and Architecture	2015
21	CS	B.Tech. Computer Science and Engineering	CS204	Operating Systems	2015
22	CS	B.Tech. Computer Science and Engineering	CS206	Object Oriented Design and Programming	2015
23	CS	B.Tech. Computer Science and Engineering	CS208	Principles of Database Design	2015
24	CS	B.Tech. Computer Science and Engineering	CS301	Theory of Computation	2015
25	CS	B.Tech. Computer Science and Engineering	CS303	System Software	2015
26	CS	B.Tech. Computer Science and Engineering	CS305	Microprocessors and Microcontrollers	2015
27	CS	B.Tech. Computer Science and Engineering	CS307	Data Communication	2015
28	CS	B.Tech. Computer Science and Engineering	CS309	Graph Theory and Combinatorics	2015
29	CS	B.Tech. Computer Science and Engineering	CS361	Soft Computing	2015
30	CS	B.Tech. Computer Science and Engineering	CS365	Optimization Techniques	2015
31	CS	B.Tech. Computer Science and Engineering	CS367	Logic for Computer Science	2015
32	CS	B.Tech. Computer Science and Engineering	CS369	Digital System Testing & Testable Design	2015
33	CS	B.Tech. Computer Science and Engineering	CS302	Design and Analysis of Algorithms	2015
34	CS	B.Tech. Computer Science and Engineering	CS304	Compiler Design	2015
35	CS	B.Tech. Computer Science and Engineering	CS306	Computer Networks	2015
36	CS	B.Tech. Computer Science and Engineering	CS362	Computer Vision	2015
37	CS	B.Tech. Computer Science and Engineering	CS364	Mobile Computing	2015
38	CS	B.Tech. Computer Science and Engineering	CS366	Natural Language Processing	2015
39	CS	B.Tech. Computer Science and Engineering	CS368	Web Technologies	2015
40	CS	B.Tech. Computer Science and Engineering	CS372	High Performance Computing	2015
41	CS	B.Tech. Computer Science and Engineering	CS14 701	Design & Analysis of Algorithm	2014



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S No	Program code	Program Name	Course code	Course Name	Year of introduction
83	EC	B TECH Electronics & Communication Engineering	EC207	LOGIC CIRCUIT DESIGN	2015
84	EC	B TECH Electronics & Communication Engineering	MS210	LIFE SKILLS	2015
85	EC	B TECH Electronics & Communication Engineering	EC202	SIGNALS & SYSTEMS	2015
86	EC	B TECH Electronics & Communication Engineering	EC204	ANALOG INTEGRATED CIRCUITS	2015
87	EC	B TECH Electronics & Communication Engineering	EC206	COMPUTER ORGANIZATION	2015
88	EC	B TECH Electronics & Communication Engineering	EC208	ANALOG COMMUNICATION ENGINEERING	2015
89	EC	B TECH Electronics & Communication Engineering	EC303	APPLIED ELECTROMAGNETIC THEORY	2015
90	EC	B TECH Electronics & Communication Engineering	EC305	MICROPROCESSORS & MICROCONTROLLERS	2015
91	EC	B TECH Electronics & Communication Engineering	EC307	POWER ELECTRONICS & INSTRUMENTATION	2015
92	EC	B TECH Electronics & Communication Engineering	EC304	VLSI	2015
93	EC	B TECH Electronics & Communication Engineering	EC306	ANTENNA & WAVE PROPAGATION	2015
94	EC	B TECH Electronics & Communication Engineering	EC14 701	Information Theory and Coding	2015
95	EC	B TECH Electronics & Communication Engineering	EC14 702	Microwave Engineering	2015
96	EC	B TECH Electronics & Communication Engineering	EC14 704(A)	Internet Technology (Global)	2015
97	EC	B TECH Electronics & Communication Engineering	EC14 704(B)	Television and Radar Engineering	2015
98	EC	B TECH Electronics & Communication Engineering	EC14 704(C)	Embedded Systems	2015
99	EC	B TECH Electronics & Communication Engineering	EC14 704(D)	Nanotechnology	2015
100	EC	B TECH Electronics & Communication Engineering	EC14 704(E)	Image and Video Processing	2015
101	EC	B TECH Electronics & Communication Engineering	EC14 705(B)	HIGH SPEED DIGITAL DESIGN	2015
102	EC	B TECH Electronics & Communication Engineering	EC14 705(C)	ANTENNA THEORY AND DESIGN	2015
103	EC	B TECH Electronics & Communication Engineering	EC14 705(D)	ELECTRONIC PACKAGING	2015
104	EC	B TECH Electronics & Communication Engineering	EC14 801	Data and Communication Networks	2015
105	EC	B TECH Electronics & Communication Engineering	EC14 802	Economics and Management	2015
106	EC	B TECH Electronics & Communication Engineering	EC14 803	Wireless Mobile Communications	2015
107	EC	B TECH Electronics & Communication Engineering	EC14 804(A)	INTRODUCTION TO MEMS	2014
108	EC	B TECH Electronics & Communication Engineering	EC14 804(B)	PHOTONIC SWITCHING AND NETWORK	2014
109	EC	B TECH Electronics & Communication Engineering	EC14 804(C)	MICROWAVE ACTIVE DEVICES AND CIRCUITS	2014
110	EC	B TECH Electronics & Communication Engineering	EC14 804(E)	DATA STRUCTURES AND ALGORITHMS	2014
111	EC	B TECH Electronics & Communication Engineering	EC14 805(A)	MULTIMEDIA COMMUNICATION SYSTEMS	2014
112	EC	B TECH Electronics & Communication Engineering	EC14 805(B)	PROBABILITY AND RANDOM PROCESSES	2014
113	EC	B TECH Electronics & Communication Engineering	EC14 805(D)	ADVANCED SEMICONDUCTOR DEVICE TECHNOLOGY	2014
114	EC	B TECH Electronics & Communication Engineering	EC14 805(E)	ADVANCED DIGITAL SIGNAL PROCESSING	2014
115	ECVL	M.Tech : VLSI DESIGN	08EC6311	ADVANCED ENGG MATHEMATICS	2015
116	ECVL	M.Tech : VLSI DESIGN	08EC6321	CMOS VLSI DESIGN	2015
117	ECVL	M.Tech : VLSI DESIGN	08EC6331	ADVANCED DSD	2015
118	ECVL	M.Tech : VLSI DESIGN	08EC6341	VLSI FABRICATION TECHNOLOGY	2015
119	ECVL	M.Tech : VLSI DESIGN	08EC6351	DIGITAL INTEGRATED CIRCUITS	2015
120	ECVL	M.Tech : VLSI DESIGN	08 EC 6312	ANALOG VLSI DESIGN	2015
121	ECVL	M.Tech : VLSI DESIGN	08 EC 6322	CAD OF VLSI CIRCUITS	2015
122	ECVL	M.Tech : VLSI DESIGN	08 EC 6332	TESTING & VERIFICATION OF VLSI CIRCUITS	2015
123	ECVL	M.Tech : VLSI DESIGN	08EC7313	FPGA ARCHITECTURE	2015



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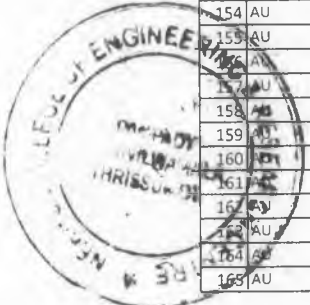


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124	ECVL	M.Tech : VLSI DESIGN	08EC7323	SYSTEM VERILOG	2015
125	ECVL	M.Tech : VLSI DESIGN	08EC6351A	Electronic System Design	2015
126	ECVL	M.Tech : VLSI DESIGN	08EC6351B	Digital Integrated Circuits Design	2015
127	ECVL	M.Tech : VLSI DESIGN	08EC6351C	Designing with Microcontrollers	2015
128	ECVL	M.Tech : VLSI DESIGN	08EC6342A	Low Power VLSI Design	2015
129	ECVL	M.Tech : VLSI DESIGN	08EC6342B	Synthesis and optimization of Digital Circuits	2015
130	ECVL	M.Tech : VLSI DESIGN	08EC6342C	Design of Digital Signal Processing	2015
131	ECVL	M.Tech : VLSI DESIGN	08EC6352A	High Speed Digital Design	2015
132	ECVL	M.Tech : VLSI DESIGN	08EC6352B	SoC Design & Verification	2015
133	ECVL	M.Tech : VLSI DESIGN	08EC6352C	Nano electronics	2015
134	ECVL	M.Tech : VLSI DESIGN	08EC7313A	FPGA Architecture & Applications	2015
135	ECVL	M.Tech : VLSI DESIGN	08EC7313B	Mixed Signal System Design	2015
136	ECVL	M.Tech : VLSI DESIGN	08EC7313C	ASIC Design	2015
137	ECVL	M.Tech : VLSI DESIGN	08EC7323B	Hardware Software Co Design	2015
138	ECVL	M.Tech : VLSI DESIGN	08EC7323C	VLSI Signal Processing	2015
139	AU	BTECH AUTOMOBILE ENGINEERING	AU201	S I Engines & Combustion	2015
140	AU	BTECH AUTOMOBILE ENGINEERING	AU203	Auto Chassis	2015
141	AU	BTECH AUTOMOBILE ENGINEERING	AU202	Advanced Thermodynamics	2015
142	AU	BTECH AUTOMOBILE ENGINEERING	AU204	C I Engines & Combustion	2015
143	AU	BTECH AUTOMOBILE ENGINEERING	AU206	Auto Transmission	2015
144	AU	BTECH AUTOMOBILE ENGINEERING	ME307	Machine Design-I	2015
145	AU	BTECH AUTOMOBILE ENGINEERING	ME309	Metallurgy & Material Science	2015
146	AU	BTECH AUTOMOBILE ENGINEERING	ME311	Manufacturing Processes	2015
147	AU	BTECH AUTOMOBILE ENGINEERING	EE311	Electrical Drives and Control for Automation	2015
148	AU	BTECH AUTOMOBILE ENGINEERING	AU307	Vehicle Body Engineering	2015
149	AU	BTECH AUTOMOBILE ENGINEERING	AU361	Alternative Fuels and Energy Sources	2015
150	AU	BTECH AUTOMOBILE ENGINEERING	AU363	Plastics & Composites in Automobile	2015
151	AU	BTECH AUTOMOBILE ENGINEERING	AU365	Automotive Pollution and Testing	2015
152	AU	BTECH AUTOMOBILE ENGINEERING	ME302	Heat & Mass Transfer	2015
153	AU	BTECH AUTOMOBILE ENGINEERING	AU362	Hybrid and Fuel Cell Vehicles	2015
154	AU	BTECH AUTOMOBILE ENGINEERING	AU366	Vehicle Aerodynamics	2015
155	AU	BTECH AUTOMOBILE ENGINEERING	AM14 701	Vehicle Electrification	2015
156	AU	BTECH AUTOMOBILE ENGINEERING	AM14 704 (A)	Non Conventional Machining Techniques	2015
157	AU	BTECH AUTOMOBILE ENGINEERING	AM14 704 (B)	Embedded Systems in Automobiles	2015
158	AU	BTECH AUTOMOBILE ENGINEERING	AM14 704 (C)	Agro Machineries	2015
159	AU	BTECH AUTOMOBILE ENGINEERING	AM14 704 (F)	Logistics and Supply Chain Management	2015
160	AU	BTECH AUTOMOBILE ENGINEERING	AM14 704 (G)	Management of Human Resources	2015
161	AU	BTECH AUTOMOBILE ENGINEERING	AM14 705 (A)	Automotive Aero Dynamics	2015
162	AU	BTECH AUTOMOBILE ENGINEERING	AM14 705 (B)	Environmental Pollution Control	2015
163	AU	BTECH AUTOMOBILE ENGINEERING	AM14 705 (C)	Special Type Vehicles	2015
164	AU	BTECH AUTOMOBILE ENGINEERING	AM14 705 (F)	Robotics	2015
165	AU	BTECH AUTOMOBILE ENGINEERING	AM14 802	Automotive Safety & Pollution Control	2015



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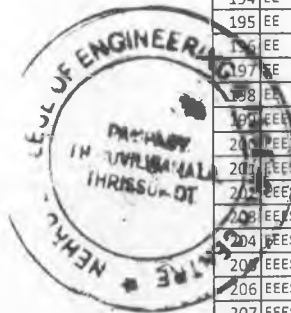


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1.1 Number of courses offered by the Institution across all programs during the last five years

Academic Year 2017-2018					
S No	Program code	Program Name	Course code	Course Name	Year of introduction
166	AU	BTECH AUTOMOBILE ENGINEERING	AM14 804 (C)	Combustion Engineering	2014
167	AU	BTECH AUTOMOBILE ENGINEERING	AM14 804 (D)	Financial Management	2014
168	AU	BTECH AUTOMOBILE ENGINEERING	AM14 804 (F)	Computational Fluid Dynamics	2014
169	AU	BTECH AUTOMOBILE ENGINEERING	AM14 805 (A)	Alternate Fuels & Energy Systems	2014
170	AU	BTECH AUTOMOBILE ENGINEERING	AM14 805 (B)	Automotive Air-conditioning	2014
171	AU	BTECH AUTOMOBILE ENGINEERING	AM14 805 (C)	Flexible Manufacturing System	2014
172	AU	BTECH AUTOMOBILE ENGINEERING	AM14 805 (D)	Tool Engineering & Design	2014
173	AU	BTECH AUTOMOBILE ENGINEERING	AM14 805 (E)	Vehicle Performance & Testing	2014
174	AU	BTECH AUTOMOBILE ENGINEERING	AM14 805 (F)	Finite Element Analysis	2014
175	EE	B Tech., Electrical and Electronics Engineering	EE201	Circuits and Networks	2015
176	EE	B Tech., Electrical and Electronics Engineering	EE203	Analog Electronic Circuits	2015
177	EE	B Tech., Electrical and Electronics Engineering	EE205	DC Machines and Transformers	2015
178	EE	B Tech., Electrical and Electronics Engineering	HS200/ HS210	Business Economics/Life Skills	2015
179	EE	B Tech., Electrical and Electronics Engineering	EE202	Synchronous and Induction	2015
180	EE	B Tech., Electrical and Electronics Engineering	EE204	Digital Electronics and Logic Design	2015
181	EE	B Tech., Electrical and Electronics Engineering	EE206	Material Science	2015
182	EE	B Tech., Electrical and Electronics Engineering	EE208	Measurements and Instrumentation	2015
183	EE	B Tech., Electrical and Electronics Engineering	EE301	Power Generation, Transmission and Protection	2015
184	EE	B Tech., Electrical and Electronics Engineering	EE303	Linear Control Systems	2015
185	EE	B Tech., Electrical and Electronics Engineering	EE305	Power Electronics	2015
186	EE	B Tech., Electrical and Electronics Engineering	EE307	Signals and Systems	2015
187	EE	B Tech., Electrical and Electronics Engineering	EE309	Microprocessor and Embedded Systems	2015
188	EE	B Tech., Electrical and Electronics Engineering	EE302	Electromagnetics	2015
189	EE	B Tech., Electrical and Electronics Engineering	EE304	Advanced Control Theory	2015
190	EE	B Tech., Electrical and Electronics Engineering	EE14 701	Power System Analysis	2014
191	EE	B Tech., Electrical and Electronics Engineering	EE14 702	Modern Control Theory	2014
192	EE	B Tech., Electrical and Electronics Engineering	EE14 703	Electric Drives	2014
193	EE	B Tech., Electrical and Electronics Engineering	EE14 704(A)	Switched Mode Power Converters	2014
194	EE	B Tech., Electrical and Electronics Engineering	EE14 705(B)	High Voltage Engineering	2014
195	EE	B Tech., Electrical and Electronics Engineering	EE14 801	Electrical System Design	2014
196	EE	B Tech., Electrical and Electronics Engineering	EE14 802	FACTS Controllers and Custom Power Devices	2014
197	EE	B Tech., Electrical and Electronics Engineering	EE14 803	Power System Protection	2014
198	EE	B Tech., Electrical and Electronics Engineering	EE14 804	Biomedical Engineering	2014
199	EEES	M Tech., Energy Systems	08EE6011	Applied Mathematics	2015
200	EEES	M Tech., Energy Systems	08EE6021	Advanced Energy Conversion Systems	2015
201	EEES	M Tech., Energy Systems	08EE6031	Renewable Energy Technology	2015
202	EEES	M Tech., Energy Systems	08EE6041	Electrical Energy Systems and Management	2015
203	EEES	M Tech., Energy Systems	08EE6051	Energy Policies for Sustainable Development	2015
204	EEES	M Tech., Energy Systems	08EE6012	Design and Analysis of Energy Systems	2015
205	EEES	M Tech., Energy Systems	08EE6022	Energy Conservation in Thermal Systems	2015
206	EEES	M Tech., Energy Systems	08EE6032	Energy and Environment	2015
207	EEES	M Tech., Energy Systems	08EE6042	Hydro Power Systems	2015



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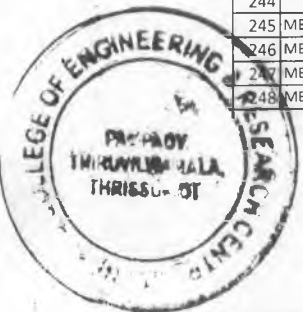
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1.1 Number of courses offered by the Institution across all programs during the last five years

Academic Year 2017-2018					
S No	Program code	Program Name	Course code	Course Name	Year of introduction
208	EEES	M Tech., Energy Systems	08EE6052	Wind Energy and its Utilization	2015
209	EEES	M Tech., Energy Systems	08EE7013	Energy Efficient Buildings	2015
210	EEES	M Tech., Energy Systems	08EE7023	Nanomaterials and Nanotechnology	2015
211	MBA	Masters in Business Administration	11	QT – Quantitative Methods for Management	2015
212	MBA	Masters in Business Administration	12	OB I – Organizational Behaviour	2015
213	MBA	Masters in Business Administration	13	ME – Managerial Economics	2015
214	MBA	Masters in Business Administration	14	BC – Business Communication	2015
215	MBA	Masters in Business Administration	15	ACC – Accounting for Managers	2015
216	MBA	Masters in Business Administration	16	B&S – Business and Society	2015
217	MBA	Masters in Business Administration	17	MS I- Managerial Skill	2015
218	MBA	Masters in Business Administration	21	OB II- Organizational Behavior II	2015
219	MBA	Masters in Business Administration	22	BE-Business Environment	2015
220	MBA	Masters in Business Administration	23	MM I – Marketing Management I	2015
221	MBA	Masters in Business Administration	24	OM-Operation Management	2015
222	MBA	Masters in Business Administration	25	FM I-Financial Management	2015
223	MBA	Masters in Business Administration	26	BL – Business Law	2015
224	MBA	Masters in Business Administration	27	MS II- Managerial Skill	2015
225	MBA	Masters in Business Administration	31	Marketing Management II	2015
226	MBA	Masters in Business Administration	32	Financial Management II	2015
227	MBA	Masters in Business Administration	33	Human Resource Management	2015
228	MBA	Masters in Business Administration	34	Business Research Methods	2015
229	MBA	Masters in Business Administration	36	Operation Research	2015
230	MBA	Masters in Business Administration	37	Strategic Management	2015
231	MBA	Masters in Business Administration	38	Managerial Skills III	2015
232	MBA	Masters in Business Administration	41	IB-International Business	2015
233	MBA	Masters in Business Administration	42	BA-Business Analytics	2015
234	MBA	Masters in Business Administration	FIN-T4-1	FM&S-Financial market and Services	2015
235	MBA	Masters in Business Administration	HRT404	Managing self and others	2015
236	MBA	Masters in Business Administration	FINT405	Investment management	2015
237	MBA	Masters in Business Administration	HR-T4-1	T&D-Training and Development	2015
238	MBA	Masters in Business Administration	MKT406	Sales and Distribution	2015
239	MBA	Masters in Business Administration	OMT401	Supply chain and logistics	2015
240	MBA	Masters in Business Administration	MKT402	Consumer behaviour	2015
241	MBA	Masters in Business Administration	OM-T4-4	Business Process Reengineering	2015
242	MBA	Masters in Business Administration	51	ESHIP-Entrepreneurship	2015
243	MBA	Masters in Business Administration	52	BE-Business Ethics & Corporate Governance	2015
244	MBA	Masters in Business Administration	FIN-T5-8/	SAPM—Security Analysis and Portfolio Management/	2015
245	MBA	Masters in Business Administration	OM-T5-12	Six Sigma and Total Quality Management	2015
246	MBA	Masters in Business Administration	MKTT508	Brand Management	2015
247	MBA	Masters in Business Administration	HRT508	Compensation management	2015
248	MBA	Masters in Business Administration	Fin-T5-11	Non Banking Financial System/	2015


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

Academic Year 2017-2018					
S No	Program code	Program Name	Course code	Course Name	Year of introduction
249	MBA	Masters in Business Administration	OM-T5-10	IMPD-Innovation Management and New Product Development/	2015
250	MBA	Masters in Business Administration	MKTT509	Retail Management	2015
251	MBA	Masters in Business Administration	HR-T5-7	Performance Management	2015
252	MBA	Masters in Business Administration	61	CCM-Cross cultural Management	2015
253	MBA	Masters in Business Administration	HRT613	Management of Creativity	2015
254	MBA	Masters in Business Administration	FIN-T6-13	IM-Insurance Management	2015
255	MBA	Masters in Business Administration	OM-T6-13	Business Sustainability	2015
256	MBA	Masters in Business Administration	MKT-T6-14	B2B-Business to Business Marketing	2015
257	MCA	Masters in Computer Applications	RLMCA101	Problem Solving and Computer Programming	2016
258	MCA	Masters in Computer Applications	RLMCA103	Discrete Mathematics	2016
259	MCA	Masters in Computer Applications	RLMCA105	Applied Probability and Statistics	2016
260	MCA	Masters in Computer Applications	RLMCA109	Digital Fundamentals	2016
261	MCA	Masters in Computer Applications	RLMCA201	Computer Networks	2016
262	MCA	Masters in Computer Applications	RLMCA203	Software Engineering	2016
263	MCA	Masters in Computer Applications	RLMCA205	Database Management Systems	2016
264	MCA	Masters in Computer Applications	RLMCA202	Application Development and Maintenance	2016
265	MCA	Masters in Computer Applications	RLMCA204	Bigdata Technologies	2016
266	MCA	Masters in Computer Applications	RLMCA208	Introduction to Machine Learning	2016
267	MCA	Masters in Computer Applications	RLMCA274	Business Intelligence and its Applications	2016
268	MCA	Masters in Computer Applications	MCA 10 401	Cryptography and Network Security	2009
269	MCA	Masters in Computer Applications	MCA 10 403	Web Programming	2009
270	MCA	Masters in Computer Applications	MCA 10 404 C	Advanced DBMS	2009
271	MCA	Masters in Computer Applications	MCA 10 405 C	Embedded Systems	2009
272	MCA	Masters in Computer Applications	MCA10 501	Object oriented modeling and Design	2009
273	MCA	Masters in Computer Applications	MCA10 502	Computer Graphics and Multimedia Systems	2009
274	MCA	Masters in Computer Applications	MCA10 504 B	Computer Architecture	2009
275	MCA	Masters in Computer Applications	MCA10 505 A	Data Mining and Data ware housing	2009
276	ME	BTECH MECHANICAL ENGINEERING	ME 204	Thermal Engineering	2015
277	ME	BTECH MECHANICAL ENGINEERING	ME 206	Fluid Machinery	2015
278	ME	BTECH MECHANICAL ENGINEERING	ME 220	Manufacturing Technology	2015
279	ME	BTECH MECHANICAL ENGINEERING	ME 302	Heat and Mass Transfer	2015
280	ME	BTECH MECHANICAL ENGINEERING	ME 304	Dynamics of Machinery	2015
281	ME	BTECH MECHANICAL ENGINEERING	ME 306	Advanced Manufacturing Technology	2015
282	ME	BTECH MECHANICAL ENGINEERING	ME 308	Computer aided Design and Analysis	2015
283	ME	BTECH MECHANICAL ENGINEERING	ME 312	Metrology & Instrumentation	2015
284	ME	BTECH MECHANICAL ENGINEERING	ME 366	Advanced Metal Joining Technology	2015
285	ME	BTECH MECHANICAL ENGINEERING	ME 376	Maintenance Engineering	2015
286	ME	BTECH MECHANICAL ENGINEERING	ME14 801	Mechatronics	2015
287	ME	BTECH MECHANICAL ENGINEERING	ME14 802	Power Plant Engineering	2015
288	ME	BTECH MECHANICAL ENGINEERING	ME14 803	Operations Management	2015
289	ME	BTECH MECHANICAL ENGINEERING	ME14 805 (A)	Quality Engineering and management	2015



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

Academic Year 2017-2018					
S No	Program code	Program Name	Course code	Course Name	Year of introduction
290	ME	BTECH MECHANICAL ENGINEERING	ME 203	Mechanics of Fluids	2015
291	ME	BTECH MECHANICAL ENGINEERING	ME 210	Metallurgy & Material Engineering	2015
292	ME	BTECH MECHANICAL ENGINEERING	HS 200	Bussiness Economics	2015
293	ME	BTECH MECHANICAL ENGINEERING	ME 301	Mechanics of Machines	2015
294	ME	BTECH MECHANICAL ENGINEERING	ME 303	Machine tools and digital Manufacturing	2015
295	ME	BTECH MECHANICAL ENGINEERING	ME 305	Computer programming and Numerical Methods	2015
296	ME	BTECH MECHANICAL ENGINEERING	EE 311	Electrical Drives and Controls	2015
297	ME	BTECH MECHANICAL ENGINEERING	HS 300	Principles of Management	2015
298	ME	BTECH MECHANICAL ENGINEERING	ME 367	Non-Destructive Testing	2015
299	ME	BTECH MECHANICAL ENGINEERING	ME14 701	Refrigeration and Air-conditioning	2014
300	ME	BTECH MECHANICAL ENGINEERING	ME14 702	Machine Design II	2014
301	ME	BTECH MECHANICAL ENGINEERING	ME14 704 (B)	Industrial safety and Engineering	2014
302	ME	BTECH MECHANICAL ENGINEERING	ME14 705 (D)	Design of jigs and Fixtures	2014
303	MEMD	MTECH Machine Design	ME08 6011	Advanced Engineering Mathematics	2015
304	MEMD	MTECH Machine Design	ME08 6021	Advanced Mechanics of Solids	2015
305	MEMD	MTECH Machine Design	ME08 6031	Theory of Vibrations	2015
306	MEMD	MTECH Machine Design	ME08 6041	Design Engineering	2015
307	MEMD	MTECH Machine Design	ME08 6051	Advanced Mechatronics Systems	2015
308	MEMD	MTECH Machine Design	ME08 7013 A	Fracture Mechanics	2015
309	MEMD	MTECH Machine Design	ME08 7023 C	Computer Integrated Manufacturing	2015
310	MEMD	MTECH Machine Design	08ME6012	Advanced Machine design	2015
311	MEMD	MTECH Machine Design	08ME6022	Advanced Mechanisms Design and Simulation	2015
312	MEMD	MTECH Machine Design	08ME6032	Advanced FEA	2015
313	MEMD	MTECH Machine Design	08ME6052(A)	Optimization Techniques in Design	2015
314	MC	B Tech-MECHATRONICS	MR201	C Programming	2015
315	MC	B Tech-MECHATRONICS	EE209	Electrical Technology	2015
316	MC	B Tech-MECHATRONICS	EC209	Analog Electronics	2015
317	MC	B Tech-MECHATRONICS	MR205	Science of Measurements	2015
318	MC	B Tech-MECHATRONICS	HS200/HS210	Business Economics/Life Skills	2015
319	MC	B Tech-MECHATRONICS	EC212	Linear Integrated Circuits and Digital Electronics	2015
320	MC	B Tech-MECHATRONICS	ME200	Fluid Mechanics & Machinery	2015
321	MC	B Tech-MECHATRONICS	MR301	Linear Control Systems	2015
322	MC	B Tech-MECHATRONICS	MR303	Microprocessors and Microcontrollers	2015
323	MC	B Tech-MECHATRONICS	MR305	PLC and Data Acquisition Systems	2015
324	MC	B Tech-MECHATRONICS	MR307	Thermodynamics	2015
325	MC	B Tech-MECHATRONICS	MR361	Reliability Engineering	2015
326	MC	B Tech-MECHATRONICS	MR363	Object Oriented Programming	2015
327	MC	B Tech-MECHATRONICS	MR302	Robotics Engineering	2015
328	MC	B Tech-MECHATRONICS	MR304	Digital Image Processing and Machine Vision	2015
329	MC	B Tech-MECHATRONICS	MR306	Mechanics of Solids	2015



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

Academic Year 2017-2018					
S.No	Program code	Program Name	Course code	Course Name	Year of introduction
330	MC	B Tech-MECHATRONICS	MR308	Digital Manufacturing	2015
331	MC	B Tech-MECHATRONICS	MR352	Comprehensive Exam	2015
332	MC	B Tech-MECHATRONICS	MR364	Energy Engineering Management	2015
333	MC	B Tech-MECHATRONICS	MR366	Biomaterials	2015
334	MC	B Tech-MECHATRONICS	AE403	Biomedical Instrumentation	2015
335	MC	B Tech-MECHATRONICS	ME368	Marketing Management	2015
336	MC	B Tech-MECHATRONICS	MT14 701	Design of Machine Elements	2014
337	MC	B Tech-MECHATRONICS	MT14 702	Micro Electro Mechanical Systems	2014
338	MC	B Tech-MECHATRONICS	MT14 703	Digital Signal Processing	2014
339	MC	B Tech-MECHATRONICS	MT14 704	Elective I	2014
340	MC	B Tech-MECHATRONICS	MT14 705	Elective II	2014
341	MC	B Tech-MECHATRONICS	MT14 704 (B)	Industrial Automation	2014
342	MC	B Tech-MECHATRONICS	MT14 704 (C)	Computer Integrated Manufacturing	2014
343	MC	B Tech-MECHATRONICS	MT14 704 (E)	Composite Materials	2014
344	MC	B Tech-MECHATRONICS	MT14 704 (D)	Logistics & Supply Chain Management	2014
345	MC	B Tech-MECHATRONICS	MT14 705 (A)	Nano Technology	2014
346	MC	B Tech-MECHATRONICS	MT14 705 (B)	Industrial Tribology	2014
347	MC	B Tech-MECHATRONICS	MT14 705 (C)	Non Destructive Testing	2014
348	MC	B Tech-MECHATRONICS	MT14 705 (D)	Entrepreneurship development	2014
349	MC	B Tech-MECHATRONICS	MT14 705 (E)	Special Electrical Machines	2014
350	MC	B Tech-MECHATRONICS	MT14 801	Automobile Electronics	2014
351	MC	B Tech-MECHATRONICS	MT14 802	Operations Research	2014
352	MC	B Tech-MECHATRONICS	MT14 803	Image Processing and Machine Vision	2014
353	MC	B Tech-MECHATRONICS	MT14 804	Elective III	2014
354	MC	B Tech-MECHATRONICS	MT14 805	Elective IV	2014
355	MC	B Tech-MECHATRONICS	MT14 804 (A)	Quality Engineering & Management	2014
356	MC	B Tech-MECHATRONICS	MT14 804 (C)	Micromachining	2014
357	MC	B Tech-MECHATRONICS	MT14 804 (D)	Industrial Safety and Environment	2014
358	MC	B Tech-MECHATRONICS	MT14 804 (E)	Modelling and Simulation	2014
359	MC	B Tech-MECHATRONICS	MT14 805 (A)	Flexible Manufacturing Methods	2014
360	MC	B Tech-MECHATRONICS	MT14 805 (B)	Management Information System	2014
361	MC	B Tech-MECHATRONICS	MT14 805 (C)	Computational methods in Engineering	2014
362	MC	B Tech-MECHATRONICS	MT14 805 (D)	Creativity, Innovation & Product Development	2014
363	MC	B Tech-MECHATRONICS	MT14 805 (E)	Fluid Power Control	2014
364	MC	B Tech Computer Science and Engineering	08 CS 7011(A)	Unix Internals	2015
365	MC	B Tech Computer Science and Engineering	08 CS 7021(B)	Semantic Web	2015
Total No.of Courses offered across all programs during the academic year 2017-2018 = 365					



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

Academic Year 2016-2017					
S No	Program code	Program Name	Course code	Course Name	Year of introduction
65	EC	B TECH Electronics & Communication Engineering	EC14 602	Optical Communication	2002
66	EC	B TECH Electronics & Communication Engineering	EC14 603	VLSI design	2002
67	EC	B TECH Electronics & Communication Engineering	EC14 604	Digital Signal Processing	2002
68	EC	B TECH Electronics & Communication Engineering	EC14 605	Control Systems	2002
69	EC	B TECH Electronics & Communication Engineering	EC14 606	Satellite Communication	2002
70	EC	B TECH Electronics & Communication Engineering	EC09 701	INFORMATIVE THEORY AND CODING	2002
71	EC	B TECH Electronics & Communication Engineering	EC09 702	MICROWAVE ENGINEERING	2002
72	EC	B TECH Electronics & Communication Engineering	EC09 703	ANALOG & MIXED MOS CIRCUITS	2002
73	EC	B TECH Electronics & Communication Engineering	EC09 704	DIGITAL SYSTEM DESIGN	2002
74	EC	B TECH Electronics & Communication Engineering	EC09 801	DATA & COMMUNICATION NETWORKS	2002
75	EC	B TECH Electronics & Communication Engineering	EC09 802	WIRELESS MOBILE COMMUNICATION	2002
76	ECVL	MTECH VLSI	08EC6311	ADVANCED ENGG MATHEMATICS	2011
77	ECVL	MTECH VLSI	08EC6321	CMOS VLSI DESIGN	2011
78	ECVL	MTECH VLSI	08EC6331	ADVANCED DSD	2011
79	ECVL	MTECH VLSI	08EC6341	VLSI FABRICATION TECHNOLOGY	2011
80	ECVL	MTECH VLSI	08EC6351	DIGITAL INTEGRATED CIRCUITS	2011
81	ECVL	MTECH VLSI	08 EC 6312	ANALOG VLSI DESIGN	2011
82	ECVL	MTECH VLSI	08 EC 6322	CAD OF VLSI CIRCUITS	2011
83	ECVL	MTECH VLSI	08 EC 6332	TESTING & VERIFICATION OF VLSI CIRCUITS	2011
84	ECVL	MTECH VLSI	08 EC 6342(A)	LOW POWER VLSI DESIGN	2011
85	ECVL	MTECH VLSI	08 EC 6352(B)	SoC DESIGN & VERIFICATION	2011
86	ECVL	MTECH VLSI	08EC7313	FPGA ARCHITECTURE	2011
87	ECVL	MTECH VLSI	08EC7323	SYSTEM VERILOG	2011
88	ECVL	MTECH VLSI	08EC6351A	Electronic System Design	2011
89	ECVL	MTECH VLSI	08EC6351B	Digital Integrated Circuits Design	2011
90	ECVL	MTECH VLSI	08EC6351C	Designing with Microcontrollers	2011
91	ECVL	MTECH VLSI	08EC6342B	Synthesis and optimization of Digital Circuits	2011
92	ECVL	MTECH VLSI	08EC6342C	Design of Digital Signal Processing	2011
93	ECVL	MTECH VLSI	08EC6352A	High Speed Digital Design	2011
94	ECVL	MTECH VLSI	08EC6352C	Nano electronics	2011
95	ECVL	MTECH VLSI	08EC7313A	FPGA Architecture & Applications	2011
96	ECVL	MTECH VLSI	08EC7313B	Mixed SignalSystem Design	2011
97	ECVL	MTECH VLSI	08EC7313C	ASIC Design	2011
98	ECVL	MTECH VLSI	08EC7323B	Hardware Software Co Design	2011
99	ECVL	MTECH VLSI	08EC7323C	VLSI Signal Processing	2011
100	AU	BTECH AUTOMOBILE ENGINEERING	MA101	Calculus	2004
101	AU	BTECH AUTOMOBILE ENGINEERING	BE101-02	Introduction to Mechanical Engineering Sciences	2004
102	AU	BTECH AUTOMOBILE ENGINEERING	BE103	Introduction to Sustainable Engineering	2004
103	AU	BTECH AUTOMOBILE ENGINEERING	MA102	Differential Equations	2004
104	AU	BTECH AUTOMOBILE ENGINEERING	BE110	Engineering Graphics	2004
105	AU	BTECH AUTOMOBILE ENGINEERING	BE102	Design & Engineering	2004
106	AU	BTECH AUTOMOBILE ENGINEERING	CE 100	Basics of Civil Engineering	2004
107	AU	BTECH AUTOMOBILE ENGINEERING	EC 100	Basics of Electronics Engineering	2004
108	AU	BTECH AUTOMOBILE ENGINEERING	MA 201	Linear Algebra & Complex Analysis	2004
109	AU	BTECH AUTOMOBILE ENGINEERING	ME201	Mechanics of Solids	2004
110	AU	BTECH AUTOMOBILE ENGINEERING	AU201	S I Engines & Combustion	2004
111	AU	BTECH AUTOMOBILE ENGINEERING	AU203	Auto Chassis	2004
112	AU	BTECH AUTOMOBILE ENGINEERING	HS200/ HS210	Business Economics/Life Skills	2004
113	AU	BTECH AUTOMOBILE ENGINEERING	AU202	Advanced Thermodynamics	2004
114	AU	BTECH AUTOMOBILE ENGINEERING	AU204	CI Engines & Combustion	2004
115	AU	BTECH AUTOMOBILE ENGINEERING	AU206	Auto Transmission	2004
116	AU	BTECH AUTOMOBILE ENGINEERING	AU208	Computer Programming	2004
117	AU	BTECH AUTOMOBILE ENGINEERING	AM14 501	Engineering Economics & Principles of Management	2004
118	AU	BTECH AUTOMOBILE ENGINEERING	AM14 502	Vehicle Manufacturing Technology	2004
119	AU	BTECH AUTOMOBILE ENGINEERING	AM14 503	Vehicular Design Engineering 1	2004
120	AU	BTECH AUTOMOBILE ENGINEERING	AM14 504	Electrical Technology	2004
121	AU	BTECH AUTOMOBILE ENGINEERING	AM14 505	Mechanics of Machinery	2004
122	AU	BTECH AUTOMOBILE ENGINEERING	AM14 506	Metrology & Instrumentation	2004
123	AU	BTECH AUTOMOBILE ENGINEERING	AM14 601	Automotive Vibrations	2004
124	AU	BTECH AUTOMOBILE ENGINEERING	AM14 602	Vehicle Transport & Fleet management	2004
125	AU	BTECH AUTOMOBILE ENGINEERING	AM14 603	Vehicular Design Engineering 2	2004
126	AU	BTECH AUTOMOBILE ENGINEERING	AM14 604	Vehicle Dynamics	2004
127	AU	BTECH AUTOMOBILE ENGINEERING	AM14 605	Computer Simulation of IC engine Processes	2004
128	AU	BTECH AUTOMOBILE ENGINEERING	AM14 606	Composite Materials	2004
129	AU	BTECH AUTOMOBILE ENGINEERING	AM09 701	Machine Design - II	2004
130	AU	BTECH AUTOMOBILE ENGINEERING	AM09 702	Operation Management	2004



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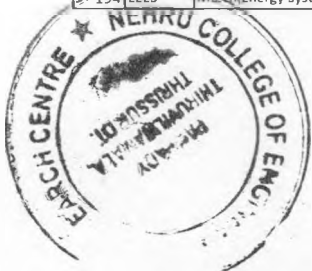


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1.1 Number of courses offered by the Institution across all programs during the last five years

Academic Year 2016-2017					
S No	Program code	Program Name	Course code	Course Name	Year of introduction
131	AU	BTECH AUTOMOBILE ENGINEERING	AM09 703	Auto electrical & electronics	2004
132	AU	BTECH AUTOMOBILE ENGINEERING	AM09 704	Auto power plant	2004
133	AU	BTECH AUTOMOBILE ENGINEERING	AM09 L06	Aerospace Engineering	2004
134	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 L07	Combustion Engineering	2004
135	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 L08	Computational Fluid Dynamics	2004
136	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 L09	Computerized Materials Management	2004
137	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 L10	Control System Engineering	2004
138	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 L11	Cryogenic Engineering	2004
139	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 L12	Design of Heat Transfer Equipments	2004
140	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 L13	Design of Jigs and Fixtures	2004
141	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 801	Transport refrigeration and air conditioning	2004
142	AU	BTECH AUTOMOBILE ENGINEERING			2004
143	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 802	Vehicle Maintenance and Testing	2004
144	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 L14	Design of Pressure Vessels and Piping	2004
145	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 L15	Financial Management	2004
146	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 L16	Fracture Mechanics	2004
147	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 L17	Heating, Ventilation and Air-conditioning Design	2004
148	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 L18	Industrial Automation	2004
149	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 L19	Industrial Tribology	2004
150	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 L20	Logistics and Supply Chain Management	2004
151	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 L25 *	Technology Forecasting	2004
152	EE	B Tech., Electrical and Electronics Engineering	PH100	Engineering Physics	2004
153	EE	B Tech., Electrical and Electronics Engineering	BE101-03	Introduction to Electrical Engineering	2004
154	EE	B Tech., Electrical and Electronics Engineering	EE100	Basics of Electrical Engineering	2004
155	EE	B Tech., Electrical and Electronics Engineering	ME 100	Basics of Mechanical Engineering	2004
156	EE	B Tech., Electrical and Electronics Engineering	EC 100	Basics of Electronics Engineering	2004
157	EE	B Tech., Electrical and Electronics Engineering	EN14 301	Engineering Mathematics III	2004
158	EE	B Tech., Electrical and Electronics Engineering	EN14 302	Computer Programming in C	2004
159	EE	B Tech., Electrical and Electronics Engineering	EE14 303	Electric Circuit Theory	2004
160	EE	B Tech., Electrical and Electronics Engineering	EE14 304	Electrical Measurements And Instrumentation Systems	2004
161	EE	B Tech., Electrical and Electronics Engineering	EE14 305	Analog Electronics	2004
162	EE	B Tech., Electrical and Electronics Engineering	EE14 306	Mechanical Engineering	2004
163	EE	B Tech., Electrical and Electronics Engineering	EN14 401 B	Engineering Mathematics IV	2004
164	EE	B Tech., Electrical and Electronics Engineering	EN14 402	Environmental Science	2004
165	EE	B Tech., Electrical and Electronics Engineering	EE14 403	Electrical Machines I	2004
166	EE	B Tech., Electrical and Electronics Engineering	EE14 404	Signals and Systems	2004
167	EE	B Tech., Electrical and Electronics Engineering	EE14 405	Digital Electronics	2004
168	EE	B Tech., Electrical and Electronics Engineering	EE 09 501	Synchronous and Induction Machines	2004
169	EE	B Tech., Electrical and Electronics Engineering	EE 09 502	Power System Generation, Transmission and Distribution	2004
170	EE	B Tech., Electrical and Electronics Engineering	EE 09 503	Linear Control Systems	2004
171	EE	B Tech., Electrical and Electronics Engineering	EE 09 504	Power Electronics	2004
172	EE	B Tech., Electrical and Electronics Engineering	EE 09 505	Digital system Design	2004
173	EE	B Tech., Electrical and Electronics Engineering	EE 09 506	Electrical Material Science	2004
174	EE	B Tech., Electrical and Electronics Engineering	EE 09 603	Modern Control Theory	2004
175	EE	B Tech., Electrical and Electronics Engineering	EE 09 604	Electric Drives	2004
176	EE	B Tech., Electrical and Electronics Engineering	EE 09 605	Electrical Engineering Drawing	2004
177	EE	B Tech., Electrical and Electronics Engineering	EE 09 L06	Bio- Medical Engineering	2004
178	EE	B Tech., Electrical and Electronics Engineering	EE 09 701	Power System Analysis	2004
179	EE	B Tech., Electrical and Electronics Engineering	EE 09 702	Analog & Digital Communication	2004
180	EE	B Tech., Electrical and Electronics Engineering	EE 09 703	Digital Signal Processing	2004
181	EE	B Tech., Electrical and Electronics Engineering	EE 09 704	Electrical Machine Design	2004
182	EE	B Tech., Electrical and Electronics Engineering	EE09 L06	Special Electrical Machines	2004
183	EE	B Tech., Electrical and Electronics Engineering	EE09 L10	Switched Mode Power Converters	2004
184	EE	B Tech., Electrical and Electronics Engineering	EE 09 801	Electrical System Design	2004
185	EE	B Tech., Electrical and Electronics Engineering	EE 09 802	Power System Protection & Utilization	2004
186	EE	B Tech., Electrical and Electronics Engineering	EE09 L13	High voltage Engineering	2004
187	EE	B Tech., Electrical and Electronics Engineering	EE09 L21	Organizational Behavior	2004
188	EEES	Mtech(Energy Systems)	08EE6011	Applied Mathematics	2012
189	EEES	Mtech(Energy Systems)	08EE6021	Advanced Energy Conversion Systems	2012
190	EEES	Mtech(Energy Systems)	08EE6031	Renewable Energy Technology	2012
191	EEES	Mtech(Energy Systems)	08EE6041	Electrical Energy Systems and Management	2012
192	EEES	Mtech(Energy Systems)	08EE6051(A)	Energy Policies for Sustainable Development	2012
193	EEES	Mtech(Energy Systems)	08EE6012	Design and Analysis of Energy Systems	2012
194	EEES	Mtech(Energy Systems)	08EE6022	Energy Conservation in Thermal Systems	2012



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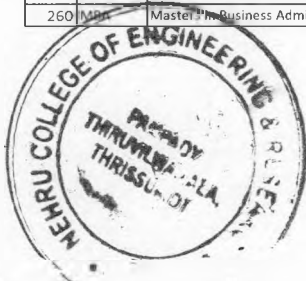


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1.1 Number of courses offered by the Institution across all programs during the last five years

Academic Year 2016-2017					
S No	Program code	Program Name	Course code	Course Name	Year of introduction
195	EEES	Mtech(Energy Systems)	08EE6032	Energy and Environment	2012
196	EEES	Mtech(Energy Systems)	08EE6042(A)	Hydro Power Systems	2012
197	EEES	Mtech(Energy Systems)	08EE6052(A)	Wind Energy and it's utilization	2012
198	EEES	Mtech(Energy Systems)	MES10 302 (C)	Nanomaterials and Nanotechnology	2012
199	EEES	Mtech(Energy Systems)	MESC10 303(P)	*Industrial Training	2012
200	EEPR	Mtech(Power Electronics & Drives)	08EE6111	Applied Mathematics	2010
201	EEPR	Mtech(Power Electronics & Drives)	08EE6121	System Dynamics	2010
202	EEPR	Mtech(Power Electronics & Drives)	08EE6131	Analysis of Power Electronics Circuits I	2010
203	EEPR	Mtech(Power Electronics & Drives)	08EE6141	Electric Drives	2010
204	EEPR	Mtech(Power Electronics & Drives)	08EE6151 (A)	Power Semiconductor Devices & Modelling	2010
205	EEPR	Mtech(Power Electronics & Drives)	08EE6151 (B)	Dynamics of Electrical Machines	2010
206	EEPR	Mtech(Power Electronics & Drives)	08EE6151(C)	High Voltage DC Transmissions	2010
207	EEPR	Mtech(Power Electronics & Drives)	08GN6001	Research Methodology	2010
208	EEPR	Mtech(Power Electronics & Drives)	08EE6112	Analysis of Power Electronics Circuits II	2010
209	EEPR	Mtech(Power Electronics & Drives)	08EE6122	Digital Control Systems	2010
210	EEPR	Mtech(Power Electronics & Drives)	08EE6132	Advanced Electric Drives	2010
211	EEPR	Mtech(Power Electronics & Drives)	08EE6142 (A):	Facts and Custom Power Devices	2010
212	EEPR	Mtech(Power Electronics & Drives)	08EE6142 (B):	Power Quality	2010
213	EEPR	Mtech(Power Electronics & Drives)	08EE6142(C):	Digital Simulation of Power Electronic Systems	2010
214	EEPR	Mtech(Power Electronics & Drives)	08EE6152 (A):	Embedded Controllers & Real Time Systems	2010
215	EEPR	Mtech(Power Electronics & Drives)	08EE6152 (B):	DSP& its Applications	2010
216	EEPR	Mtech(Power Electronics & Drives)	08EE6152(C):	Switched Mode Power Converters	2010
217	EEPR	Mtech(Power Electronics & Drives)	08EE7113 (A):	Optimization Techniques	2010
218	EEPR	Mtech(Power Electronics & Drives)	08EE7113 (B):	Special Electrical Machines & Drives	2010
219	EEPR	Mtech(Power Electronics & Drives)	08EE7113(C):	Industrial Instrumentation	2010
220	EEPR	Mtech(Power Electronics & Drives)	08EE7123 (A):	VLSI Architecture & Design Methodologies	2010
221	EEPR	Mtech(Power Electronics & Drives)	08EE7123 (B):	Soft Computing Techniques	2010
222	EEPR	Mtech(Power Electronics & Drives)	08EE7123(C):	Computer Networking	2010
223	MBA	Masters in Business Administration	11	QT – Quantitative Methods for Management	2004
224	MBA	Masters in Business Administration	12	OB I – Organizational Behaviour	2004
225	MBA	Masters in Business Administration	13	ME – Managerial Economics	2004
226	MBA	Masters in Business Administration	14	BC – Business Communication	2004
227	MBA	Masters in Business Administration	15	ACC – Accounting for Managers	2004
228	MBA	Masters in Business Administration	16	B&S – Business and Society	2004
229	MBA	Masters in Business Administration	17	MS I- Managerial Skill	2004
230	MBA	Masters in Business Administration	21	OB II- Organizational Behavior II	2004
231	MBA	Masters in Business Administration	22	BE-Business Environment	2004
232	MBA	Masters in Business Administration	23	MM I – Marketing Management I	2004
233	MBA	Masters in Business Administration	24	OM-Operation Management	2004
234	MBA	Masters in Business Administration	25	FM I-Financial Management	2004
235	MBA	Masters in Business Administration	26	BL – Business Law	2004
236	MBA	Masters in Business Administration	27	MS II- Managerial Skill	2004
237	MBA	Masters in Business Administration	31	Marketing Management II	2004
238	MBA	Masters in Business Administration	32	Financial Management II	2004
239	MBA	Masters in Business Administration	33	Human Resource Management	2004
240	MBA	Masters in Business Administration	34	Business Research Methods	2004
241	MBA	Masters in Business Administration	35	Management Information System	2004
242	MBA	Masters in Business Administration	36	Operation Research	2004
243	MBA	Masters in Business Administration	37	Strategic Management	2004
244	MBA	Masters in Business Administration	38	Managerial Skills III	2004
245	MBA	Masters in Business Administration	BUS3C019	CQM	2004
246	MBA	Masters in Business Administration	BUS3C21	Supply chain management	2004
247	MBA	Masters in Business Administration	BUS3C22	Investment Management	2004
248	MBA	Masters in Business Administration	MBAFIN2	International Finance	2004
249	MBA	Masters in Business Administration	MBAFIN3	Advanced Financial Management	2004
250	MBA	Masters in Business Administration	MBAMAR3	Brand Management	2004
251	MBA	Masters in Business Administration	MBAMAR4	Consumer Behaviour	2004
252	MBA	Masters in Business Administration	MBAMAR6	Sales Management	2004
253	MBA	Masters in Business Administration	MBASYS3	Electronic Commerce	2004
254	MBA	Masters in Business Administration	MBAIB01	International Marketing	2004
255	MBA	Masters in Business Administration	MBAHRM01	Managing self and others	2004
256	MBA	Masters in Business Administration	MBAHRM03	HRPD	2004
257	MBA	Masters in Business Administration	BUS4C23	New Enterprise Management	2004
258	MBA	Masters in Business Administration	BUS4C24	International Business	2004
259	MBA	Masters in Business Administration	BUS4C25	Indian Ethos	2004
260	MBA	Masters in Business Administration	MBAHRM05	Global HRM	2004



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

Academic Year 2016-2017					
S No	Program code	Program Name	Course code	Course Name	Year of introduction
261	MBA	Masters in Business Administration	MBASYS04	ERP	2004
262	MBA	Masters in Business Administration	MBAMAR06	Retail Management	2004
263	MBA	Masters in Business Administration	MBAHRM04	Management of Training and Development	2004
264	MCA	Masters in Computer Applications	RLMCA101	Problem Solving and Computer Programming	2006
265	MCA	Masters in Computer Applications	RLMCA103	Discrete Mathematics	2006
266	MCA	Masters in Computer Applications	RLMCA105	Applied Probability and Statistics	2006
267	MCA	Masters in Computer Applications	RLMCA107	Principles of Management	2006
268	MCA	Masters in Computer Applications	RLMCA109	Digital Fundamentals	2006
269	MCA	Masters in Computer Applications	RLMCA102	Object Oriented Programming	2006
270	MCA	Masters in Computer Applications	RLMCA108	Operations Research	2006
271	MCA	Masters in Computer Applications	MCA 10 301	Numerical analysis and Optimization Techniques	2006
272	MCA	Masters in Computer Applications	MCA 10 303	Principles of Compiler Design	2006
273	MCA	Masters in Computer Applications	MCA 10 304	Core Java	2006
274	MCA	Masters in Computer Applications	MCA 10 305	Principles of Accounting and Financial Management	2006
275	MCA	Masters in Computer Applications	MCA 10 403	Web Programming	2006
276	MCA	Masters in Computer Applications	MCA 10 404 C	Advanced DBMS	2006
277	MCA	Masters in Computer Applications	MCA 10 405 C	Embedded Systems	2006
278	MCA	Masters in Computer Applications	MCA10 502	Computer Graphics and Multimedia Systems	2006
279	MCA	Masters in Computer Applications	MCA10 503	Wireless Communication	2006
280	MCA	Masters in Computer Applications	MCA10 504 B	Computer Architecture	2006
281	MCA	Masters in Computer Applications	MCA10 505 A	Data Mining and Data ware housing	2006
282	ME	BTECH MECHANICAL ENGINEERING	ME202	Advanced Mechanics of Solids	2002
283	ME	BTECH MECHANICAL ENGINEERING	ME204	Thermal Engineering	2002
284	ME	BTECH MECHANICAL ENGINEERING	ME206	Fluid Machinery	2002
285	ME	BTECH MECHANICAL ENGINEERING	ME220	Manufacturing Technology	2002
286	ME	BTECH MECHANICAL ENGINEERING	ME09 801	Refrigeration and Air Conditioning	2002
287	ME	BTECH MECHANICAL ENGINEERING	ME09 802	Compressible Fluid Flow	2002
288	ME	BTECH MECHANICAL ENGINEERING	ME09 803 (L 22)	Quality Engineering and Management	2002
289	ME	BTECH MECHANICAL ENGINEERING	ME09 804 (L 24)	Marketing Management	2002
290	ME	BTECH MECHANICAL ENGINEERING	ME14 601	Gas Dynamics and Jet propulsion	2002
291	ME	BTECH MECHANICAL ENGINEERING	ME14 602	Metrology and Instrumentation	2002
292	ME	BTECH MECHANICAL ENGINEERING	ME14 603	Dynamics of Machinery	2002
293	ME	BTECH MECHANICAL ENGINEERING	ME14 604	Machine Design I	2002
294	ME	BTECH MECHANICAL ENGINEERING	ME14 606	Automobile Engineering	2002
295	ME	BTECH MECHANICAL ENGINEERING	ME14 501	Engineering Economics and Management	2002
296	ME	BTECH MECHANICAL ENGINEERING	ME09 701	Mchine Design II	2002
297	ME	BTECH MECHANICAL ENGINEERING	ME09 702	Operations management	2002
298	ME	BTECH MECHANICAL ENGINEERING	ME09 703	Metrology and Instrumentatn	2002



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

Academic Year 2016-2017

S No	Program code	Program Name	Course code	Course Name	Year of introduction
299	ME	BTECH MECHANICAL ENGINEERING	ME09 704	Power PlantEngineering	2002
300	MEMD	M.Tech. Machine Design	ME08 6011	Advanced Engineering Mathematics	2009
301	MEMD	M.Tech. Machine Design	ME08 6031	Theory of Vibrations	2009
302	MEMD	M.Tech. Machine Design	ME08 6041	Design Engineering	2009
303	MEMD	M.Tech. Machine Design	ME08 6051	Advanced Mechatronics Systems	2009
304	MEMD	M.Tech. Machine Design	ME08 7023 C	Computer Integrated Manufacturing	2009
305	MEMD	M.Tech. Machine Design	08ME6012	Advanced Machine design	2009
306	MEMD	M.Tech. Machine Design	08ME6022	Advanced Mechanisms Design and Simulation	2009
307	MEMD	M.Tech. Machine Design	08ME6032	Advanced FEA	2009
308	MEMD	M.Tech. Machine Design	08ME6052(A)	Optimization Techniques in Design	2009
309	MC	B Tech-MECHATRONICS	BE10102	INTRODUCTION TO MECHANICAL ENGINEERING	2013
310	MC	B Tech-MECHATRONICS	BE 103	SUSTAINABLE ENGINEERING	2013
311	MC	B Tech-MECHATRONICS	BE 100	Engineering Mechanics	2013
312	MC	B Tech-MECHATRONICS	BE 102	Design and Engineering	2013
313	MC	B Tech-MECHATRONICS	MR201	C Programming	2013
314	MC	B Tech-MECHATRONICS	MR205	Science of Measurements	2013
315	MC	B Tech-MECHATRONICS	EC212	Linear Integrated Circuits and Digital Electronics	2013
316	MC	B Tech-MECHATRONICS	HS210/HS200	Life Skills/Business Economics	2013
317	MC	B Tech-MECHATRONICS	MT14 504	Sensors and Actuators	2013
318	MC	B Tech-MECHATRONICS	MT14 505	Embedded Systems	2013
319	MC	B Tech-MECHATRONICS	MT14 506	PLC and Data Acquisition Systems	2013
320	MC	B Tech-MECHATRONICS	MT14 601	Robotics Engineering	2013
321	MC	B Tech-MECHATRONICS	MT14 603	Design of Mechatronics Systems	2013
322	MC	B Tech-MECHATRONICS	MT14 605	Intelligent Manufacturing Technology	2013
323	MC	B Tech-MECHATRONICS	MT14 606	Power Electronics	2013
324	MC	B Tech-MECHATRONICS	MT09 701	Design of Machine Elements	2013
325	MC	B Tech-MECHATRONICS	MT09 702	Micro Electro Mechanical Systems	2013
326	MC	B Tech-MECHATRONICS	MT09 704	Artificial Intelligence	2013
327	MC	B Tech-MECHATRONICS	MT09 705	Elective II	2013
328	MC	B Tech-MECHATRONICS	MT09 706	Elective III	2013
329	MC	B Tech-MECHATRONICS	MT09 705 (B)	Computer Integrated Manufacturing	2013
330	MC	B Tech-MECHATRONICS	MT09 705 (C)	Logistics & Supply Chain Management	2013
331	MC	B Tech-MECHATRONICS	MT09 705 (D)	Alternate Energy Sources	2013
332	MC	B Tech-MECHATRONICS	MT09 706 (A)	Nano Technology	2013
333	MC	B Tech-MECHATRONICS	MT09 706 @	Non Destructive Testing	2013
334	MC	B Tech-MECHATRONICS	MT09 706 (D)	Entrepreneurship development	2013
335	MC	B Tech-MECHATRONICS	MT09 803 (A)	Quality Engineering & Management	2013
336	MC	B Tech-MECHATRONICS	MT09 803 @	Finite Element Analysis	2013
337	MC	B Tech-MECHATRONICS	MT09 803 (D)	Industrial Safety and Environment	2013
338	MC	B Tech-MECHATRONICS	MT09 803 (E)	Image Processing and Machine Vision	2013
339	MC	B Tech-MECHATRONICS	MT09 804 (A)	Flexible Manufacturing System	2013
340	MC	B Tech-MECHATRONICS	MT09 804 (C)	Computational methods in Engineering	2013
341	MC	B Tech-MECHATRONICS	MT09 804 (D)	Creativity, Innovation & Product Development	2013
342	MC	B Tech-MECHATRONICS	MT09 804 (F)	Fluid Power Control	2013
343	CSCF	M Tech Computer Science and Engineering	08 CS 6011	Operating System Design	2010
344	CSCF	M Tech Computer Science and Engineering	08 CS 6021	Advanced Data Structures	2010
345	CSCF	M Tech Computer Science and Engineering	08 CS 6031	Advanced Database Technology	2010
346	CSCF	M Tech Computer Science and Engineering	08 CS 6051(A)	Computational Intelligence	2010
347	CSCF	M Tech Computer Science and Engineering	08 CS 6012	Advanced Compiler Design	2010
348	CSCF	M Tech Computer Science and Engineering	08 CS 6032	Evolutionary Computing	2010
349	CSCF	M Tech Computer Science and Engineering	08 CS 6042(B)	Big Data Essentials	2010
350	CSCF	M Tech Computer Science and Engineering	08 CS 6052(A)	Cloud Computing	2010
351	CSCF	M Tech Computer Science and Engineering	08 CS 7011(A)	Unix Internals	2010
352	CSCF	M Tech Computer Science and Engineering	08 CS 7021(B)	Semantic Web	2010
353	IT	B Tech Information Technology	IT09 502	Industrial Economics and principles of management	2002
354	IT	B Tech Information Technology	IT09 601	Software quality management	2002
355	IT	B Tech Information Technology	IT09 605	Human Computer Interaction	2002
356	IT	B Tech Information Technology	IT09 701	Computer Graphics	2002
357	IT	B Tech Information Technology	IT09 702	Natural Language Processing And Knowledge Based Systems	2002
358	IT	B Tech Information Technology	IT09 801	Mobile Communication System	2002

Total No. of Courses offered across all programs during the academic year 2016-2017 = 358



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

Academic Year 2015-16

S No	Program code	Program Name	Course code	Course Name	Year of introduction
1	CS	B.Tech. Computer Science and Engineering	PH100	Engineering Physics	2015
2	CS	3.Tech. Computer Science and Engineering	CY100	Engineering Chemistry	2015
3	CS	3.Tech. Computer Science and Engineering	EC100	Basics of Electronics Engineering	2015
4	CS	3.Tech. Computer Science and Engineering	CS 100	Computer Programming	2015
5	CS	B.Tech. Computer Science and Engineering	CS14 303	Computer Organization & Design	2014
6	CS	B.Tech. Computer Science and Engineering	CS14 304	Discrete Computational Structures	2014
7	CS	3.Tech. Computer Science and Engineering	CS14 305	Electronic Circuits	2014
8	CS	3.Tech. Computer Science and Engineering	CS14 306	Switching Theory & Logic Design	2014
9	CS	B.Tech. Computer Science and Engineering	CS14 403	Data Structures and Algorithms	2014
10	CS	3.Tech. Computer Science and Engineering	CS14 404	Object Oriented Programming in Java	2014
11	CS	3.Tech. Computer Science and Engineering	CS14 405	Systems Programming	2014
12	CS	B.Tech. Computer Science and Engineering	CS14 406	Microprocessor Based Design	2014
13	CS	B.Tech. Computer Science and Engineering	CS09 502	Industrial Economics and Principles of Management	2009
14	CS	B.Tech. Computer Science and Engineering	CS09 503	Signal Processing	2009
15	CS	B.Tech. Computer Science and Engineering	CS09 504	Operating Systems	2009
16	CS	B.Tech. Computer Science and Engineering	CS09 505	Digital Data Communication	2009
17	CS	B.Tech. Computer Science and Engineering	CS09 506	Theory of Computation	2009
18	CS	B.Tech. Computer Science and Engineering	CS09 601	Embedded Systems	2009
19	CS	B.Tech. Computer Science and Engineering	CS09 602	Compiler Design	2009
20	CS	B.Tech. Computer Science and Engineering	CS09 603	Computer Networks	2009
21	CS	B.Tech. Computer Science and Engineering	CS09 604	Database Management Systems	2009
22	CS	B.Tech. Computer Science and Engineering	CS09 605	Computer Graphics	2009
23	CS	B.Tech. Computer Science and Engineering	CS09 701	Wireless Networks and Mobile Communication Systems	2009
24	CS	B.Tech. Computer Science and Engineering	CS09 702	Design and Analysis of Algorithms	2009
25	CS	B.Tech. Computer Science and Engineering	CS09 703	Internet Technology	2009
26	CS	B.Tech. Computer Science and Engineering	CS09 704	Cryptography and Network Security	2009
27	CS	B.Tech. Computer Science and Engineering	CS09 801	Computer Architecture and Parallel Processing	2009
28	CS	B.Tech. Computer Science and Engineering	CS09 802	Data mining and Warehousing	2009
29	CSCC	M.Tech Cyber Security	08CS 6211	Mathematical Foundations of Computer Science	2015
30	CSCC	M.Tech Cyber Security	08CS 6221	Internetworking – Protocols and Security	2015
31	CSCC	M.Tech Cyber Security	08CS 6231	Advanced Cryptography	2015
32	CSCC	M.Tech Cyber Security	08CS 6241	Advanced Computer Architecture	2015
33	CSCC	M.Tech Cyber Security	08CS 6251(A)	High Speed Networks	2015
34	CSCC	M.Tech Cyber Security	08GN 6001	Research Methodology	2015
35	CSCC	M.Tech Cyber Security	08CS 6212	Mobile and Wireless Network Security	2015
36	CSCC	M.Tech Cyber Security	08CS 6222	Secure Coding	2015
37	CSCC	M.Tech Cyber Security	08CS 6232	Digital Forensics	2015
38	CSCC	M.Tech Cyber Security	08CS 6242(A)	Data Compression	2015
39	CSCC	M.Tech Cyber Security	08CS 6252(C)	Soft Computing	2015
40	CSCC	M.Tech Cyber Security	MCY 10 301(B)	RESEARCH METHODOLOGIES	2015
41	CSCC	M.Tech Cyber Security	MCY 10 302(A)	CLOUD AND UTILITY COMPUTING	2015
42	CSCC	M.Tech Cyber Security	MCY 10 303(P)	Industrial Training	2015
43	EC	B.TECH Electronics & Communication Engineering	BE101	INTRODUCTION TO ELECTRONICS ENGINEERING	2015
44	EC	B.TECH Electronics & Communication Engineering	MA102	DIFFERENTIAL EQUATIONS	2015
45	EC	B.TECH Electronics & Communication Engineering	BE110	ENGINEERING GRAPHICS	2015
46	EC	B.TECH Electronics & Communication Engineering	BE102	DESIGN & ENGINEERING	2015
47	EC	B.TECH Electronics & Communication Engineering	CE100	BASICS OF CIVIL ENGINEERING	2015
48	EC	B.TECH Electronics & Communication Engineering	ME100	BASICS OF MECHANICAL ENGINEERING	2015
49	EC	B.TECH Electronics & Communication Engineering	EC14 303	Network Analysis & Synthesis	2014
50	EC	B.TECH Electronics & Communication Engineering	EC14 304	Solid State Devices	2014
51	EC	B.TECH Electronics & Communication Engineering	EC14 305	Electronic Circuits I	2014
52	EC	B.TECH Electronics & Communication Engineering	EC14 306	Electrical Engg.	2014
53	EC	B.TECH Electronics & Communication Engineering	EC14 403	Signals and Systems	2014
54	EC	B.TECH Electronics & Communication Engineering	EC14 404	Electronic Circuits II	2014
55	EC	B.TECH Electronics & Communication Engineering	EC14 405	Digital Electronics	2014
56	EC	B.TECH Electronics & Communication Engineering	EC14 406	Analog Communication	2014
57	EC	B.TECH Electronics & Communication Engineering	EC09501	DIGITAL SIGNAL PROCESSING	2009
58	EC	B.TECH Electronics & Communication Engineering	EC09502	QUANTITATIVE TECHNIQUES FOR MANAGERIAL DECISIONS	2009
59	EC	B.TECH Electronics & Communication Engineering	EC09503	ELECTROMAGNETIC FIELD THEORY	2009
60	EC	B.TECH Electronics & Communication Engineering	EC09504	DIGITAL COMMUNICATION	2009
61	EC	B.TECH Electronics & Communication Engineering	EC09505	MICROPROCESSORS & MICROCONTROLLERS	2009
62	EC	B.TECH Electronics & Communication Engineering	EC09 506	LINEAR INTEGRATED CIRCUITS	2009
63	EC	B.TECH Electronics & Communication Engineering	EC09 601	BASICS OF VLSI DESIGN	2009
64	EC	B.TECH Electronics & Communication Engineering	EC09 602	ENGINEERING ECONOMICS AND PRINCIPLES OF MANAGEMENT	2009
65	EC	B.TECH Electronics & Communication Engineering	EC09 603	RADIATION AND PROPAGATION	2009
66	EC	B.TECH Electronics & Communication Engineering	EC09 604	CONTROL SYSTEMS	2009
67	EC	B.TECH Electronics & Communication Engineering	EC09 605	OPTICAL COMMUNICATION	2009
68	EC	B.TECH Electronics & Communication Engineering	EC09 L01	POWER ELECTRONICS	2009
69	EC	B.TECH Electronics & Communication Engineering	EC09 L02	NUMERICAL METHODS FOR ENGINEERS	2009
70	EC	B.TECH Electronics & Communication Engineering	EC09 L03	ENTREPRENEURSHIP	2009



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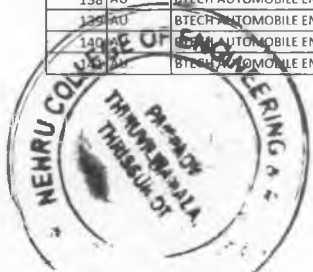
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1.1 Number of courses offered by the institution across all programs during the last five years
Academic Year 2015-16

S No	Program code	Program Name	Course code	Course Name	Year of introduction
71	EC	B TECH Electronics & Communication Engineering	EC09 L04	SPEECH & AUDIO PROCESSING	2009
72	EC	B TECH Electronics & Communication Engineering	EC09 L05	SATELLITE COMMUNICATION	2009
73	EC	B TECH Electronics & Communication Engineering	EC09 701	INFORMATIVE THEORY AND CODING	2009
74	EC	B TECH Electronics & Communication Engineering	EC09 702	MICROWAVE ENGINEERING	2009
75	EC	B TECH Electronics & Communication Engineering	EC09 703	ANALOG & MIXED MOS CIRCUITS	2009
76	EC	B TECH Electronics & Communication Engineering	EC09 704	DIGITAL SYSTEM DESIGN	2009
77	EC	B TECH Electronics & Communication Engineering	EC09 801	DATA & COMMUNICATION NETWORKS	2009
78	EC	B TECH Electronics & Communication Engineering	EC09 802	WIRELESS MOBILE COMMUNICATION	2009
79	ECVL	MTECH VLSI	08EC6311	ADVANCED ENGG MATHEMATICS	2015
80	ECVL	MTECH VLSI	08EC6321	CMOS VLSI DESIGN	2015
81	ECVL	MTECH VLSI	08EC6331	ADVANCED DSD	2015
82	ECVL	MTECH VLSI	08EC6341	VLSI FABRICATION TECHNOLOGY	2015
83	ECVL	MTECH VLSI	08EC6351	DIGITAL INTEGRATED CIRCUITS	2015
84	ECVL	MTECH VLSI	08 EC 6312	ANALOG VLSI DESIGN	2015
85	ECVL	MTECH VLSI	08 EC 6322	CAD OF VLSI CIRCUITS	2015
86	ECVL	MTECH VLSI	08 EC 6332	TESTING & VERIFICATION OF VLSI CIRCUITS	2015
87	ECVL	MTECH VLSI	08 EC 6342(A)	LOW POWER VLSI DESIGN	2015
88	ECVL	MTECH VLSI	08 EC 6352(B)	SoC DESIGN & VERIFICATION	2015
89	ECVL	MTECH VLSI	08EC7313	FPGA ARCHITECTURE	2015
90	ECVL	MTECH VLSI	08EC7323	SYSTEM VERILOG	2015
91	ECVL	MTECH VLSI	08EC6351A	Electronic System Design	2015
92	ECVL	MTECH VLSI	08EC6351B	Digital Integrated Circuits Design	2015
93	ECVL	MTECH VLSI	08EC6351C	Designing with Microcontrollers	2015
94	ECVL	MTECH VLSI	08EC6342B	Synthesis and optimization of Digital Circuits	2015
95	ECVL	MTECH VLSI	08EC6342C	Design of Digital Signal Processing	2015
96	ECVL	MTECH VLSI	08EC6352A	High Speed Digital Design	2015
97	ECVL	MTECH VLSI	08EC6352C	Nano electronics	2015
98	ECVL	MTECH VLSI	08EC7313B	Mixed Signal System Design	2015
99	ECVL	MTECH VLSI	08EC7313C	ASIC Design	2015
100	ECVL	MTECH VLSI	08EC7323B	Hardware Software Co Design	2015
101	ECVL	MTECH VLSI	08EC7323C	VLSI Signal Processing	2015
102	ECEA	MTECH Applied Electronics and Communication	08 EC 6111	MATHEMATICS FOR COMMUNICATION ENGG.	2015
103	ECEA	MTECH Applied Electronics and Communication	08 EC 6121	DESIGN OF DSP SYSTEMS	2015
104	ECEA	MTECH Applied Electronics and Communication	08 EC 6131	ADVANCED DIGITAL COMMUNICATION	2015
105	ECEA	MTECH Applied Electronics and Communication	08 EC 6141	SYSTEM DESIGN USING EMBEDDED PROCESSORS	2015
106	ECEA	MTECH Applied Electronics and Communication	08 EC 6151(A)	INFORMATION THEORY	2015
107	ECEA	MTECH Applied Electronics and Communication	08EC6122	WIRELESS COMMUNICATION	2015
108	ECEA	MTECH Applied Electronics and Communication	08EC6132	DIGITAL MOS CIRCUITS	2015
109	ECEA	MTECH Applied Electronics and Communication	08EC7113(C)	BIOMEDICAL SIGNAL PROCESSING	2015
110	ECEA	MTECH Applied Electronics and Communication	08EC7123(C)	SECURE COMMUNICATION	2015
111	ECEA	MTECH Applied Electronics and Communication	08EC6151B	Adaptive Signal Processing	2015
112	ECEA	MTECH Applied Electronics and Communication	08EC6151C	Communication Networks	2015
113	ECEA	MTECH Applied Electronics and Communication	08EC6142A	Multirate Signal Processing and Filter Bank	2015
114	ECEA	MTECH Applied Electronics and Communication	08EC6142B	Spectral analysis of Signal	2015
115	ECEA	MTECH Applied Electronics and Communication	08EC6142C	Spread Spectrum and CDMA Systems	2015
116	ECEA	MTECH Applied Electronics and Communication	08EC6142D	Markov Modeling and Queuing Theory	2015
117	ECEA	MTECH Applied Electronics and Communication	08EC6152A	Communication Switching Theory	2015
118	ECEA	MTECH Applied Electronics and Communication	08EC6152B	Wavelets Theory	2015
119	ECEA	MTECH Applied Electronics and Communication	08EC6152D	Electronics System Design	2015
120	ECEA	MTECH Applied Electronics and Communication	08EC7113A	Signal Compression-Theory & Methods	2015
121	ECEA	MTECH Applied Electronics and Communication	08EC7113B	Speech and Audio Processing	2015
122	ECEA	MTECH Applied Electronics and Communication	08EC7113D	DSP Algorithms and Architectures	2015
123	ECEA	MTECH Applied Electronics and Communication	08EC7123A	Linear System Theory	2015
124	ECEA	MTECH Applied Electronics and Communication	08EC7123B	Linear and Non Linear Optimization	2015
125	ECEA	MTECH Applied Electronics and Communication	08EC7123C	Secure Communications	2015
126	ECEA	MTECH Applied Electronics and Communication	08EC7123D	Information Hiding and Data Encryption	2015
127	AU	BTECH AUTOMOBILE ENGINEERING	MA101	Calculus	2015
128	AU	BTECH AUTOMOBILE ENGINEERING	BE100	Engineering Mechanics	2015
129	AU	BTECH AUTOMOBILE ENGINEERING	AM14 303	Mechanics of Solids	2015
130	AU	BTECH AUTOMOBILE ENGINEERING	AM14 304	Automobile Body Structure	2015
131	AU	BTECH AUTOMOBILE ENGINEERING	AM14 305	Engineering Thermodynamics	2015
132	AU	BTECH AUTOMOBILE ENGINEERING	AM14 306	Engineering Materials & Metallurgy	2015
133	AU	BTECH AUTOMOBILE ENGINEERING	EN14 401A	Engineering Mathematics IV	2015
134	AU	BTECH AUTOMOBILE ENGINEERING	AM14 403	Fluid Mechanics & Machinery	2015
135	AU	BTECH AUTOMOBILE ENGINEERING	AM14 404	Automotive Engines	2015
136	AU	BTECH AUTOMOBILE ENGINEERING	AM14 405	Automotive Transmissions	2015
137	AU	BTECH AUTOMOBILE ENGINEERING	AM14 406	Computer Assisted Automobile Drawing	2015
138	AU	BTECH AUTOMOBILE ENGINEERING	AM14 408 (P)	Machine Shop	2015
139	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 501	Heat and mass transfer	2015
140	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 502	Automotive transmission	2015
141	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 504	IC engines and gas turbines	2015

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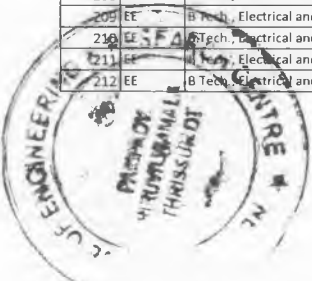


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1.1 Number of courses offered by the Institution across all programs during the last five years
Academic Year 2015-16

S No	Program code	Program Name	Course code	Course Name	Year of introduction
142	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 505	Mechanics of machinery	2015
143	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 506	Casting and Joining	2015
144	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 507(P)	Machine shop	2015
145	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 601	Vehicle dynamics	2015
146	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 602	Metrology and instrumentation	2015
147	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 603	Machine design - I	2015
148	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 604	Metal cutting and forming	2015
149	AU	BTECH AUTOMOBILE ENGINEERING	AM09 L01	Composite Materials	2015
150	AU	BTECH AUTOMOBILE ENGINEERING	AM09 L02	Computational Methods in Engineering	2015
151	AU	BTECH AUTOMOBILE ENGINEERING	AM09 L03	Industrial Maintenance	2015
152	AU	BTECH AUTOMOBILE ENGINEERING	AM09 L04	Mechatronics	2015
153	AU	BTECH AUTOMOBILE ENGINEERING	AM09 L05	Tool Engineering and Design	2015
154	AU	BTECH AUTOMOBILE ENGINEERING	AM09 701	Machine Design - II	2015
155	AU	BTECH AUTOMOBILE ENGINEERING	AM09 702	Operation Management	2015
156	AU	BTECH AUTOMOBILE ENGINEERING	AM09 703	Auto electrical & electronics	2015
157	AU	BTECH AUTOMOBILE ENGINEERING	AM09 704	Auto power plant	2015
158	AU	BTECH AUTOMOBILE ENGINEERING	AM09 L06	Aerospace Engineering	2015
159	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 L07	Combustion Engineering	2015
160	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 L08	Computational Fluid Dynamics	2015
161	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 L09	Computerized Materials Management	2015
162	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 L10	Control System Engineering	2015
163	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 L11	Cryogenic Engineering	2015
164	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 L12	Design of Heat Transfer Equipments	2015
165	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 L13	Design of Jigs and Fixtures	2015
166	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 802	Vehicle Maintenance and Testing	2015
167	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 L14	Design of Pressure Vessels and Piping	2015
168	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 L15	Financial Management	2015
169	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 L16	Fracture Mechanics	2015
170	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 L17	Heating, Ventilation and Air-conditioning Design	2015
171	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 L18	Industrial Automation	2015
172	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 L19	Industrial Tribology	2015
173	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 L20	Logistics and Supply Chain Management	2015
174	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 L25 *	Technology Forecasting	2015
175	EE	B Tech., Electrical and Electronics Engineering	BE 101-02	Introduction to Mechanical Engineering Science	2015
176	EE	B Tech., Electrical and Electronics Engineering	BE 101-03	Introduction to Electrical Engineering	2015
177	EE	B Tech., Electrical and Electronics Engineering	BE 101-05	Introduction to Computing and Problem Solving	2015
178	EE	B Tech., Electrical and Electronics Engineering	EE14 303	Electric Circuit Theory	2014
179	EE	B Tech., Electrical and Electronics Engineering	EE14 304	Electrical Measurements & Instrumentation Systems	2014
180	EE	B Tech., Electrical and Electronics Engineering	EE14 305	Analog Electronics	2014
181	EE	B Tech., Electrical and Electronics Engineering	EE14 306	Mechanical Engineering	2014
182	EE	B Tech., Electrical and Electronics Engineering	EN14 401B	Engineering Mathematics IV	2014
183	EE	B Tech., Electrical and Electronics Engineering	EE14 403	Electrical Machines I	2014
184	EE	B Tech., Electrical and Electronics Engineering	EE14 404	Signals and Systems	2014
185	EE	B Tech., Electrical and Electronics Engineering	EE14 405	Digital Electronics	2014
186	EE	B Tech., Electrical and Electronics Engineering	EE14 406	Electromagnetic Field Theory	2014
187	EE	B Tech., Electrical and Electronics Engineering	EE09 501	Synchronous and Induction Machines	2009
188	EE	B Tech., Electrical and Electronics Engineering	EE09 502	Power System Generation, Transmission and Distribution	2009
189	EE	B Tech., Electrical and Electronics Engineering	EE09 503	Linear Control Systems	2009
190	EE	B Tech., Electrical and Electronics Engineering	EE09 504	Power Electronics	2009
191	EE	B Tech., Electrical and Electronics Engineering	EE09 505	Digital system Design	2009
192	EE	B Tech., Electrical and Electronics Engineering	EE09 506	Electrical Material Science	2009
193	EE	B Tech., Electrical and Electronics Engineering	EE09 601	Microprocessors and Microcontrollers	2009
194	EE	B Tech., Electrical and Electronics Engineering	EE09 603	Modern Control Theory	2009
195	EE	B Tech., Electrical and Electronics Engineering	EE09 604	Electric Drives	2009
196	EE	B Tech., Electrical and Electronics Engineering	EE09 605	Electrical Engineering Drawing	2009
197	EE	B Tech., Electrical and Electronics Engineering	EE09 L01	Generalized Machine Theory	2009
198	EE	B Tech., Electrical and Electronics Engineering	EE09 L02	Numerical Analysis and Optimization Theory	2009
199	EE	B Tech., Electrical and Electronics Engineering	EE09 L03	Computer Organization and Architecture	2009
200	EE	B Tech., Electrical and Electronics Engineering	EE09 L05	Bio- Medical Engineering	2009
201	EE	B Tech., Electrical and Electronics Engineering	EE09 701	Power System Analysis	2009
202	EE	B Tech., Electrical and Electronics Engineering	EE09 702	Analog & Digital Communication	2009
203	EE	B Tech., Electrical and Electronics Engineering	EE09 703	Digital Signal Processing	2009
204	EE	B Tech., Electrical and Electronics Engineering	EE09 704	Electrical Machine Design	2009
205	EE	B Tech., Electrical and Electronics Engineering	EE09 801	Electrical System Design	2009
206	EE	B Tech., Electrical and Electronics Engineering	EE09 802	Power System Protection & Utilization	2009
207	EE	B Tech., Electrical and Electronics Engineering	EE09 L06	Special Electrical Machines	2009
208	EE	B Tech., Electrical and Electronics Engineering	EE09 L07	Digital Control Systems.	2009
209	EE	B Tech., Electrical and Electronics Engineering	EE09 L08	VLSI Design	2009
210	EE	B Tech., Electrical and Electronics Engineering	EE09 L09	Energy Auditing, Conservation and Management	2009
211	EE	B Tech., Electrical and Electronics Engineering	EE09 L10	Switched Mode Power Converters	2009
212	EE	B Tech., Electrical and Electronics Engineering	EE09 L11	Professional Ethics	2009



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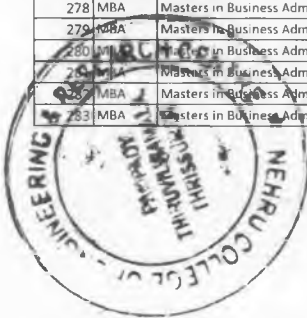


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1.1 Number of courses offered by the Institution across all programs during the last five years

Academic Year 2015-16					
S No	Program code	Program Name	Course code	Course Name	Year of introduction
213	EE	B Tech., Electrical and Electronics Engineering	EE09 L13	High voltage Engineering	2009
214	EE	B Tech., Electrical and Electronics Engineering	EE09 L14	Advanced Topics in Power Systems	2009
215	EE	B Tech., Electrical and Electronics Engineering	EE09 L15	Advanced Power system Analysis and control	2009
216	EE	B Tech., Electrical and Electronics Engineering	EE09 L16	Optimal Control Theory	2009
217	EE	B Tech., Electrical and Electronics Engineering	EE09 L17	Digital Image Processing	2009
218	EE	B Tech., Electrical and Electronics Engineering	EE09 L18	Power System Planning and Load Forecasting	2009
219	EE	B Tech., Electrical and Electronics Engineering	EE09 L19	Power Quality Issues and Remedial Measures	2009
220	EE	B Tech., Electrical and Electronics Engineering	EE09 L20	Management Information Systems	2009
221	EE	B Tech., Electrical and Electronics Engineering	EE09 L21	Organizational Behavior	2009
222	EE	B Tech., Electrical and Electronics Engineering	EE09 L22	Soft Computing Techniques	2009
223	EE	B Tech., Electrical and Electronics Engineering	EE09 L23	Process Control and Instrumentation	2009
224	EE	B Tech., Electrical and Electronics Engineering	EE09 L25	Robotics & Automation	2009
225	EE	B Tech., Electrical and Electronics Engineering	EE09 L26	Satellite Communication	2009
226	EEES	M. Tech., Energy Systems	08EE6011	Applied Mathematics	2015
227	EEES	M. Tech., Energy Systems	08EE6021	Advanced Energy Conversion Systems	2015
228	EEES	M. Tech., Energy Systems	08EE6031	Renewable Energy Technology	2015
229	EEES	M. Tech., Energy Systems	08EE6041	Electrical Energy Systems and Management	2015
230	EEES	M. Tech., Energy Systems	08EE6051(A)	Energy Policies for Sustainable Development	2015
231	EEES	M. Tech., Energy Systems	08EE6051(C)	Advanced Instrumentation	2015
232	EEES	M. Tech., Energy Systems	08EE6012	Design and Analysis of Energy Systems	2015
233	EEES	M. Tech., Energy Systems	08EE6022	Energy Conservation in Thermal Systems	2015
234	EEES	M. Tech., Energy Systems	08EE6032	Energy and Environment	2015
235	EEES	M. Tech., Energy Systems	08EE6042(A)	Hydro Power Systems	2015
236	EEES	M. Tech., Energy Systems	08EE6042(B)	Optimization Techniques	2015
237	EEES	M. Tech., Energy Systems	08EE6052(A)	Wind Energy and its Utilization	2015
238	EEES	M. Tech., Energy Systems	08EE6052(B)	Advanced Solar Thermal and PV Systems	2015
239	EEES	M. Tech., Energy Systems	08EE6052(C)	Emerging Refrigeration Technologies	2015
240	EEES	M. Tech., Energy Systems	MES10 301(B)	Theory of Combustion	2015
241	EEES	M. Tech., Energy Systems	MES10 301(C)	Energy Efficient Buildings	2015
242	EEES	M. Tech., Energy Systems	MES10 302(A)	Optimal Design of Heat Exchangers	2015
243	EEES	M. Tech., Energy Systems	MES10 302(B)	Soft Computing Techniques	2015
244	EEES	M. Tech., Energy Systems	MES10 302(C)	Nanomaterials and Nanotechnology	2015
245	EEPR	M. Tech., Power Electronics & Drives	08EE6121	System Dynamics	2015
246	EEPR	M. Tech., Power Electronics & Drives	08EE6131	Analysis of Power Electronics Circuits I	2015
247	EEPR	M. Tech., Power Electronics & Drives	08EE6141	Electric Drives	2015
248	EEPR	M. Tech., Power Electronics & Drives	08EE6151 (A)	Power Semiconductor Devices & Modelling	2015
249	EEPR	M. Tech., Power Electronics & Drives	08EE6151 (B)	Dynamics of Electrical Machines	2015
250	EEPR	M. Tech., Power Electronics & Drives	08EE6151(C)	High Voltage DC Transmissions	2015
251	EEPR	M. Tech., Power Electronics & Drives	08EE6112	Analysis of Power Electronics Circuits II	2015
252	EEPR	M. Tech., Power Electronics & Drives	08EE6122	Digital Control Systems	2015
253	EEPR	M. Tech., Power Electronics & Drives	08EE6132	Advanced Electric Drives	2015
254	EEPR	M. Tech., Power Electronics & Drives	08EE6142 (A)	Facts and Custom Power Devices	2015
255	EEPR	M. Tech., Power Electronics & Drives	08EE6142 (B)	Power Quality	2015
256	EEPR	M. Tech., Power Electronics & Drives	08EE6142(C)	Digital Simulation of Power Electronic Systems	2015
257	EEPR	M. Tech., Power Electronics & Drives	08EE6152 (A)	Embedded Controllers & Real Time Systems	2015
258	EEPR	M. Tech., Power Electronics & Drives	08EE6152 (B)	DSP& its Applications	2015
259	EEPR	M. Tech., Power Electronics & Drives	08EE6152(C)	Switched Mode Power Converters	2015
260	EEPR	M. Tech., Power Electronics & Drives	EPE10 301(A)	Optimization Techniques	2009
261	EEPR	M. Tech., Power Electronics & Drives	EPE10 301(B)	Special Electrical Machines & Drives	2009
262	EEPR	M. Tech., Power Electronics & Drives	EPE10 301(C)	Industrial Instrumentation	2009
263	EEPR	M. Tech., Power Electronics & Drives	EPE10 302 (A)	VLSI Architecture & Design Methodologies	2009
264	EEPR	M. Tech., Power Electronics & Drives	EPE10 302 (C)	Computer Networking	2009
265	MBA	Masters in Business Administration	BUS1C01	Business Communication	2009
266	MBA	Masters in Business Administration	BUS1C02	Management Theory and Practices	2009
267	MBA	Masters in Business Administration	BUS1C03	Organisational Behaviour	2009
268	MBA	Masters in Business Administration	BUS1C04	Managerial Economics	2009
269	MBA	Masters in Business Administration	BUS1C05	Quantitative Techniques	2009
270	MBA	Masters in Business Administration	BUS1C06	Accounting for managers	2009
271	MBA	Masters in Business Administration	BUS1C07	Business Environment	2009
272	MBA	Masters in Business Administration	BUS1C08	IT for managers	2009
273	MBA	Masters in Business Administration	BUS2C01	Marketing Management	2009
274	MBA	Masters in Business Administration	BUS2C04	HRM	2009
275	MBA	Masters in Business Administration	BUS2C05	Management Science	2009
276	MBA	Masters in Business Administration	BUS2C06	Management Information System	2009
277	MBA	Masters in Business Administration	BUS2C08	Soft Skill Development	2009
278	MBA	Masters in Business Administration	BUS3C018	Strategic Management	2009
279	MBA	Masters in Business Administration	BUS3C019	CQM	2009
280	MBA	Masters in Business Administration	BUS3C21	Supply chain management	2009
281	MBA	Masters in Business Administration	BUS3C22	Investment Management	2009
282	MBA	Masters in Business Administration	MBAFIN2	International Finance	2009
283	MBA	Masters in Business Administration	MBAFIN3	Advanced Financial Management	2009



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NEHRU COLLEGE OF ENGINEERING & RESEARCH CENTRE
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(Approved by AICTE & Affiliated to APJ Abdul Kalam Technological University)
Pampady PO, Thiruvilwamala, Thrissur, Kerala - 680 588



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

Academic Year 2015-16

S No	Program code	Program Name	Course code	Course Name	Year of introduction
284	MBA	Masters in Business Administration	MBAMAR3	Brand Management	2009
285	MBA	Masters in Business Administration	MBAMAR4	Consumer Behaviour	2009
286	MBA	Masters in Business Administration	MBAMAR6	Sales Management	2009
287	MBA	Masters in Business Administration	MBASYS3	Electronic Commerce	2009
288	MBA	Masters in Business Administration	MBAB01	International Marketing	2009
289	MBA	Masters in Business Administration	MBAHRM01	Managing self and others	2009
290	MBA	Masters in Business Administration	MBAHRM03	HRPD	2009
291	MBA	Masters in Business Administration	BUS4C23	New Enterprise Management	2009
292	MBA	Masters in Business Administration	BUS4C24	International Business	2009
293	MBA	Masters in Business Administration	BUS4C25	Indian Ethos	2009
294	MBA	Masters in Business Administration	MBAHRM05	Global HRM	2009
295	MBA	Masters in Business Administration	MBASYS04	ERP	2009
296	MBA	Masters in Business Administration	MBAMAR06	Retail Management	2009
297	MBA	Masters in Business Administration	MBAHRM04	Management of Training and Development	2009
298	MCA	Masters in Computer Applications	MCA 10 101	Discrete Structures	2009
299	MCA	Masters in Computer Applications	MCA 10 102	Probability and Statistics	2009
300	MCA	Masters in Computer Applications	MCA 10 104	Logic Design	2009
301	MCA	Masters in Computer Applications	MCA 10 105	Principles of Software Engineering	2009
302	MCA	Masters in Computer Applications	MCA 10 201	Graph Theory and Combinatorics	2009
303	MCA	Masters in Computer Applications	MCA 10 202	Computer Organization	2009
304	MCA	Masters in Computer Applications	MCA 10 205	Data Structures	2009
305	MCA	Masters in Computer Applications	MCA 10 301	Numerical analysis and Optimization Techniques	2009
306	MCA	Masters in Computer Applications	MCA 10 303	Principles of Compiler Design	2009
307	MCA	Masters in Computer Applications	MCA 10 304	Core Java	2009
308	MCA	Masters in Computer Applications	MCA 10 305	Principles of Accounting and Financial Management	2009
309	MCA	Masters in Computer Applications	MCA 10 403	Web Programming	2009



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