1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

Sl No.	Description
1	Certificate by Principal
2	**Consolidated Course List for Academic years** 1. 2019-20 2. 2018-19 3. 2017-18 4. 2016-17 5. 2015-16
3	**Syllabus for courses** 1. 2019-20: https://www.ncerc.ac.in/downloads/DVV/C1/1.3.2NCERC19-20.pdf 2. 2018-19: https://www.ncerc.ac.in/downloads/DVV/C1/1.3.2NCERC18-19.pdf 3. 2017-18: https://www.ncerc.ac.in/downloads/DVV/C1/1.3.2NCERC17-18.pdf 4. 2016-17: https://www.ncerc.ac.in/downloads/DVV/C1/1.3.2NCERC16-17.pdf 5. 2015-16: https://www.ncerc.ac.in/downloads/DVV/C1/1.3.2NCERC15-16.pdf
4	Link for MoUs: https://www.ncerc.ac.in/downloads/criteria3/3.5.2NCERC.pdf
5	Link for Supporting Documents: https://www.ncerc.ac.in/downloads/criteria1/1.3.2/1.3.2NCERC.pdf

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1.3.2 *Average percentage of courses that include experiential learning through project work/field work/internship during last five years*

This is to certify that 39.94% of courses that include experiential learning through project work/field work/internship during last five years and details given below:

Academic Year	2019-20	2018-19	2017-18	2016-17	2015-16
No. of Courses	168	140	156	119	147

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Principal

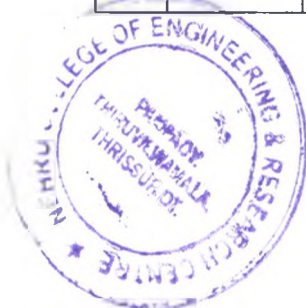**NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE**
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1.3.2 *Average percentage of courses that include experiential learning through project work/field work/internship during last five years*

Academic Year 2019-20

Sl No	Program code	Program Name	Course code	Course Name	Project	Internship	Field visit
1	CS	B.Tech. Computer Science and Engineering	MAT 101	LINEAR ALGEBRA AND CALCULUS	Y		-
2	CS	B.Tech. Computer Science and Engineering	PHT 100	ENGINEERING PHYSICS A	y		-
3	CS	B.Tech. Computer Science and Engineering	EST 110	ENGINEERING GRAPHICS	Y		-
4	CS	B.Tech. Computer Science and Engineering	EST 120	B A S I C S OF C I V I L & M E C H A N I C A L ENGINEERING	Y		-
5	CS	B.Tech. Computer Science and Engineering	EST 130	BASICS OF ELECTRICAL & E L E C T R O N I C S ENGINEERING	Y		-
6	CS	B.Tech. Computer Science and Engineering	EST 102	PROGRAMMING IN C	Y		-
7	CS	B.Tech. Computer Science and Engineering	CS205	Data Structures	Y		
8	CS	B.Tech. Computer Science and Engineering	CS207	Electronics Devices & Circuits	Y		
9	CS	B.Tech. Computer Science and Engineering	CS202	Computer Organization and Architecture	Y		
10	CS	B.Tech. Computer Science and Engineering	CS204	Operating Systems	Y		

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| 11 | CS | B.Tech. Computer Science and Engineering | CS206 | Object Oriented Design and Programming | Y | | |
12	CS	B.Tech. Computer Science and Engineering	CS208	Principles of Database Design	Y		
13	CS	B.Tech. Computer Science and Engineering	CS301	Theory of Computation	Y		
14	CS	B.Tech. Computer Science and Engineering	CS303	System Software	Y		
15	CS	B.Tech. Computer Science and Engineering	CS307	Data Communication	Y		
16	CS	B.Tech. Computer Science and Engineering	CS361	Soft Computing	Y		
17	CS	B.Tech. Computer Science and Engineering	CS365	Optimization Techniques	Y		
18	CS	B.Tech. Computer Science and Engineering	CS302	Design and Analysis of Algorithms	Y		
19	CS	B.Tech. Computer Science and Engineering	CS304	Compiler Design	Y		
20	CS	B.Tech. Computer Science and Engineering	CS306	Computer Networks	Y		
21	CS	B.Tech. Computer Science and Engineering	CS308	Software Engineering and Project Management	Y		
22	CS	B.Tech. Computer Science and Engineering	CS364	Mobile Computing	Y		
23	CS	B.Tech. Computer Science and Engineering	CS368	Web Technologies	Y		
24	CS	B.Tech. Computer Science and Engineering	CS401	Computer Graphics	Y		
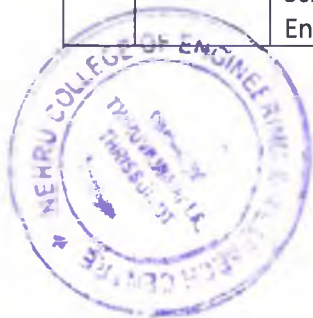
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25	CS	B.Tech. Computer Science and Engineering	CS403	Programming Paradigms	Y		
26	CS	B.Tech. Computer Science and Engineering	CS405	Computer System Architecture	Y		
27	CS	B.Tech. Computer Science and Engineering	CS407	Distributed Computing	Y		
28	CS	B.Tech. Computer Science and Engineering	CS409	Cryptography and Network Security	Y		
29	CS	B.Tech. Computer Science and Engineering	CS465	Bio Informatics	Y		
30	CS	B.Tech. Computer Science and Engineering	CS467	Machine Learning	Y		
31	CS	B.Tech. Computer Science and Engineering	CS402	Data Mining and Ware Housing	Y		
32	CS	B.Tech. Computer Science and Engineering	CS404	Embedded Systems	Y		
33	CS	B.Tech. Computer Science and Engineering	CS464	Artificial Intelligence	Y		
34	CS	B.Tech. Computer Science and Engineering	CS468	Cloud Computing	Y		
35	EC	B TECH Electronics & Communication Engineering	PH100	Engineering Physics	Y	Y	
36	EC	B TECH Electronics & Communication Engineering	BE102	Design and Engineering	Y	Y	Y
37	EC	B TECH Electronics & Communication Engineering	EC201	NETWORK THEORY	Y	Y	Y
38	EC	B TECH Electronics &	EC203	SOLID STATE DEVICES	Y		

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		Communication Engineering					
39	EC	B TECH Electronics & Communication Engineering	EC205	ELECTRONIC CIRCUITS	Y	Y	Y
40	EC	B TECH Electronics & Communication Engineering	EC207	LOGIC CIRCUIT DESIGN	Y	Y	Y
41	EC	B TECH Electronics & Communication Engineering	EC202	SIGNALS & SYSTEMS	Y		Y
42	EC	B TECH Electronics & Communication Engineering	EC204	ANALOG INTEGRATED CIRCUITS	Y	Y	
43	EC	B TECH Electronics & Communication Engineering	EC208	ANALOG COMMUNICATION ENGINEERING	Y	Y	Y
44	EC	B TECH Electronics & Communication Engineering	EC301	DIGITAL SIGNAL PROCESSING	Y	Y	Y
45	EC	B TECH Electronics & Communication Engineering	EC303	APPLIED ELECTROMAGNETIC THEORY	Y	Y	Y
46	EC	B TECH Electronics & Communication Engineering	EC305	MICROPROCESSORS & MICROCONTROLLERS	Y	Y	Y
47	EC	B TECH Electronics & Communication Engineering	EC307	POWER ELECTRONICS & INSTRUMENTATION	Y		Y
48	EC	B TECH Electronics & Communication Engineering	EC361*	DIGITAL SYSTEM DESIGN	Y	Y	
49	EC	B TECH Electronics &	EC302	DIGITAL COMMUNICATION	Y		Y

		Communication Engineering					
50	EC	B TECH Electronics & Communication Engineering	EC304	VLSI	Y	Y	
51	EC	B TECH Electronics & Communication Engineering	EC306	ANTENNA & WAVE PROPAGATION	Y	Y	
52	EC	B TECH Electronics & Communication Engineering	EC308	EMBEDDED SYSTEMS	Y	Y	Y
53	EC	B TECH Electronics & Communication Engineering	EC268*	ROBOTICS	Y	Y	Y
54	EC	B TECH Electronics & Communication Engineering	EC401	INFORMATION THEORY & CODING	Y	Y	Y
55	EC	B TECH Electronics & Communication Engineering	EC403	MICROWAVE & RADAR ENGINEERIN	Y	Y	Y
56	EC	B TECH Electronics & Communication Engineering	EC405	OPTICAL COMMUNICATION	Y		
57	EC	B TECH Electronics & Communication Engineering	EC409	CONTROL SYSTEMS	Y	Y	Y
58	EC	B TECH Electronics & Communication Engineering	EC402	NANO ELECTRONICS	Y	Y	Y
59	EC	B TECH Electronics & Communication Engineering	EC464	LOW POWER VLSI DESIGN	Y		y
60	ECVL	MTECH VLSI Design	08EC6321	CMOS VLSI DESIGN	Y		
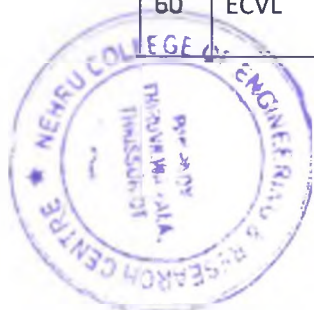
61	ECVL	MTECH VLSI Design	08EC6331	ADVANCED DSD	Y	y	y
62	ECVL	MTECH VLSI Design	08EC6341	VLSI FABRICATION TECHNOLOGY	Y	y	y
63	ECVL	MTECH VLSI Design	08EC6351	DIGITAL INTEGRATED CIRCUITS	Y		y
64	ECVL	MTECH VLSI Design	08 EC 6312	ANALOG VLSI DESIGN	Y	y	
65	ECVL	MTECH VLSI Design	08 EC 6322	CAD OF VLSI CIRCUITS	Y		
66	ECVL	MTECH VLSI Design	08 EC 6332	TESTING & VERIFICATION OF VLSI CIRCUITS	Y	y	y
67	ECVL	MTECH VLSI Design	08 EC 6342(A)	LOW POWER VLSI DESIGN	Y		
68	ECVL	MTECH VLSI Design	08EC7313	FPGA ARCHITECTURE	Y	y	y
69	ECVL	MTECH VLSI Design	08EC7323	SYSTEM VERILOG	Y	y	
70	ECVL	MTECH VLSI Design	08EC6351B	Digital Integrated Circuits Design	Y	y	y
71	ECVL	MTECH VLSI Design	08EC6342A	Low Power VLSI Design	Y	y	
72	ECVL	MTECH VLSI Design	08EC6342C	Design of Digital Signal Processing	Y	y	y
73	ECVL	MTECH VLSI Design	08EC6352A	Hign Speed Digital Design	Y	y	
74	ECVL	MTECH VLSI Design	08EC7313B	Mixed SignalSystem Design	Y	y	y
75	ECVL	MTECH VLSI Design	08EC7323A	System Verilog	Y	y	
76	ECVL	MTECH VLSI Design	08EC7323B	Hardware Software Co Design	Y		y
77	ECVL	MTECH VLSI Design	08EC7323C	VLSI Signal Processing	Y	y	y
78	AU	BTECH AUTOMOBILE ENGINEERING	AU364	Vehicle Performance & Testing	Y		
79	AU	BTECH AUTOMOBILE ENGINEERING	AU403	Vehicle Dynamics	Y		

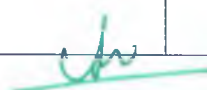| 80 | AU | BTECH AUTOMOBILE ENGINEERING | AU407 | Advanced I C Engines | Y | | |
81	AU	BTECH AUTOMOBILE ENGINEERING	AU409	Simulation & Analysis of IC Engine Processes	Y		
82	AU	BTECH AUTOMOBILE ENGINEERING	AU410	Vehicle Transport & Fleet Management	Y	Y	Y
83	AU	BTECH AUTOMOBILE ENGINEERING	AU402	Two and Three Wheelers	Y	Y	Y
84	AU	BTECH AUTOMOBILE ENGINEERING	AU404	Engine & Vehicle Management Systems	Y		Y
85	AU	BTECH AUTOMOBILE ENGINEERING	AU462	Vehicle Maintenance	Y	Y	Y
86	EE	B Tech., Electrical and Electronics Engineering	EE201	Circuits and, Networks	Y	Y	Y
87	EE	B Tech., Electrical and Electronics Engineering	EE203	Analogue Electronic Circuits	Y	Y	Y
88	EE	B Tech., Electrical and Electronics Engineering	EE205	DC Machines and Transformers	Y	Y	Y
89	EE	B Tech., Electrical and Electronics Engineering	EE207	Computer Programming	Y		
90	EE	B Tech., Electrical and Electronics Engineering	EE301	Power Generation, Transmission and Protection	Y	Y	Y
91	EE	B Tech., Electrical and Electronics Engineering	EE303	Linear Control Systems	Y	Y	Y
92	EE	B Tech., Electrical and Electronics Engineering	EE305	Power Electronics	Y	Y	Y
93	EE	B Tech., Electrical and Electronics Engineering	EE367	New and Renewable Energy Systems	Y	Y	Y
94	EE	B Tech., Electrical and Electronics	EE302	Electromagnetics	Y		
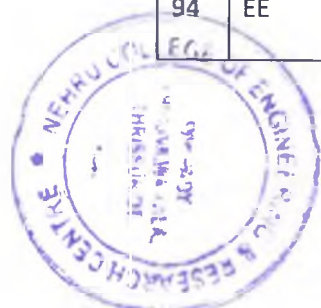
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		Engineering					
95	EE	B Tech., Electrical and Electronics Engineering	EE304	Advanced Control Theory	Y	Y	Y
96	EE	B Tech., Electrical and Electronics Engineering	EE306	Power System Analysis	Y	Y	Y
97	EE	B Tech., Electrical and Electronics Engineering	EE308	Electric Drives	Y	Y	Y
98	EE	B Tech., Electrical and Electronics Engineering	**EE367**	**New and Renewable Energy Sources**	Y	Y	Y
99	EE	B Tech., Electrical and Electronics Engineering	EE403	Distributed generation and smart grids	Y	Y	Y
100	EE	B Tech., Electrical and Electronics Engineering	EE405	Electrical system design	Y	Y	Y
101	EE	B Tech., Electrical and Electronics Engineering	EE407	Digital Signal Processing	Y	Y	Y
102	EE	B Tech., Electrical and Electronics Engineering	EE409	Electrical Machine Design	Y	Y	Y
103	EE	B Tech., Electrical and Electronics Engineering	EE402	Special Electric Machines	Y	Y	Y
104	MCA	Masters in Computer Applications	RLMCA101	Problem Solving and Computer Programming	Y		
105	MCA	Masters in Computer Applications	RLMCA102	Object Oriented Programming	Y		
106	MCA	Masters in Computer Applications	RLMCA104	Data Structures	Y		
107	MCA	Masters in Computer Applications	RLMCA106	Operating Systems	Y		
108	MCA	Masters in Computer Applications	RLMCA203	Software Engineering	Y		
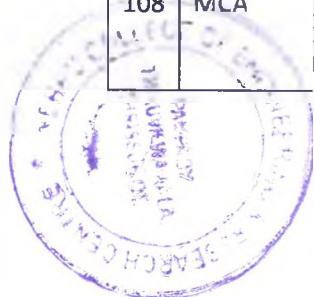
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109	MCA	Masters in Computer Applications	RLMCA205	Database Management Systems	Y		
110	MCA	Masters in Computer Applications	RLMCA207	Design and Analysis of Algorithms	Y		
111	MCA	Masters in Computer Applications	RLMCA233	Web Programming Lab	Y		
112	MCA	Masters in Computer Applications	RLMCA204	Bigdata Technologies	Y		
113	MCA	Masters in Computer Applications	RLMCA208	Introduction to Machine Learning	Y		
114	MCA	Masters in Computer Applications	RLMCA305	Cryptography and Cyber Security	Y		
115	MCA	Masters in Computer Applications	RLMCA371	Social Network Analysis	Y		
116	MCA	Masters in Computer Applications	RLMCA381	Cloud Computing	Y		
117	ME	BTECH MECHANICAL ENGINEERING	ME220	MANUFACTURING TECHNOLOGY	Y		
118	ME	BTECH MECHANICAL ENGINEERING	ME302	HEAT & MASS TRANSFER	Y		
119	ME	BTECH MECHANICAL ENGINEERING	ME304	DYNAMICS OF MACHINERY	Y		
120	ME	BTECH MECHANICAL ENGINEERING	ME306	ADVANCED MANUFACTURING TECHNOLOGY	Y		
121	ME	BTECH MECHANICAL ENGINEERING	ME308	COMPUTER AIDED DESIGN & ANALYSIS	Y		
122	ME	BTECH MECHANICAL ENGINEERING	ME312	METROLOGY & INSTRUMENTATION	Y		
123	ME	BTECH MECHANICAL	ME332	COMPUTER AIDED DESIGN &	Y		
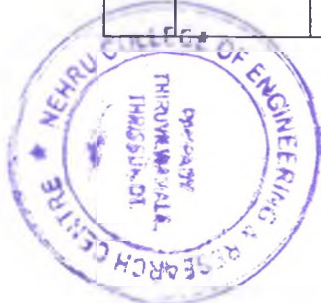
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|		ENGINEERING		ANALYSIS LAB			
124	ME	BTECH MECHANICAL ENGINEERING	ME334	MANUFACTURING TECHNOLOGY LAB	Y		
125	ME	BTECH MECHANICAL ENGINEERING	ME201	MECHANICS OF SOLIDS	Y		
126	ME	BTECH MECHANICAL ENGINEERING	ME203	MECHANICS OF FLUIDS	Y		
127	ME	BTECH MECHANICAL ENGINEERING	ME205	THERMODYNAMICS	Y		
128	ME	BTECH MECHANICAL ENGINEERING	ME210	METALLURGY & MATERIALS ENGINEERING	Y		
129	ME	BTECH MECHANICAL ENGINEERING	CE230	MATERIAL TESTING LAB	Y		
130	ME	BTECH MECHANICAL ENGINEERING	ME301	MECHANICS OF MACHINERY	Y		
131	ME	BTECH MECHANICAL ENGINEERING	ME303	MACHINE TOOLS & DIGITAL MANUFACTURING	Y		
132	ME	BTECH MECHANICAL ENGINEERING	ME401	DESIGN OF MACHINE ELEMENTS I	Y		
133	ME	BTECH MECHANICAL ENGINEERING	ME403	ADVANCED ENERGY ENGINEERING			
134	ME	BTECH MECHANICAL ENGINEERING	ME405	REFRIGERATION & AIR-CONDITIONING	Y		
135	MC	B Tech-MECHATRONICS	MR201	C Programming	Y		
136	MC	B Tech-MECHATRONICS	EE209	Electrical Technology	Y		
137	MC	B Tech-MECHATRONICS	EC209	Analog Electronics	Y		
138	MC	B Tech-MECHATRONICS	MR205	Science of Measurements	Y		
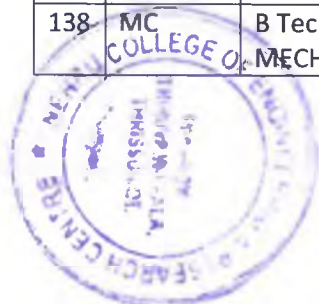
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139	MC	B Tech-MECHATRONICS	EC212	Linear Integrated Circuits and Digital Electronics	Y		
140	MC	B Tech-MECHATRONICS	ME200	Fluid Mechanics & Machinery	Y		
141	MC	B Tech-MECHATRONICS	MR202	Sensors and Actuators	Y		
142	MC	B Tech-MECHATRONICS	MR202	Metallurgy and Materials Engineering	Y		
143	MC	B Tech-MECHATRONICS	MR301	Linear Control Systems	Y		
144	MC	B Tech-MECHATRONICS	MR303	Microprocessors and Microcontrollers	Y		
145	MC	B Tech-MECHATRONICS	MR305	PLC and Data Acquisition Systems	Y		
146	MC	B Tech-MECHATRONICS	MR307	Thermodynamics	Y		
147	MC	B Tech-MECHATRONICS	ME220	Manufacturing Technology	Y		
148	MC	B Tech-MECHATRONICS	MR363	Object Oriented Programming	Y		
149	MC	B Tech-MECHATRONICS	MR365	Composite Materials	Y		
150	MC	B Tech-MECHATRONICS	ME369	Tribology			
151	MC	B Tech-MECHATRONICS	MR302	Robotics Engineering	Y		
152	MC	B Tech-MECHATRONICS	MR304	Digital Image Processing and Machine Vision	Y		
153	MC	B Tech-MECHATRONICS	MR306	Mechanics of Solids	Y		
154	MC	B Tech-MECHATRONICS	MR308	Digital Manufacturing	Y		
155	MC	B Tech-MECHATRONICS	MR364	Energy Engineering Management	Y		
156	MC	B Tech-MECHATRONICS	AE403	Biomedical Instrumentation	Y		
157	MC	B Tech-MECHATRONICS	MR401	Advanced Automation	Y		
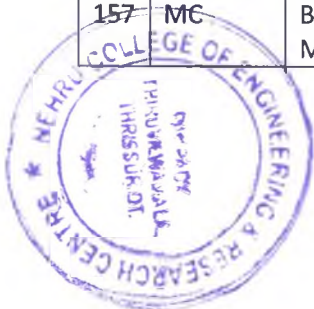
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				Systems			
158	MC	B Tech-MECHATRONICS	MR403	Nanotechnology	Y		
159	MC	B Tech-MECHATRONICS	MR405	Embedded Systems	Y		
160	MC	B Tech-MECHATRONICS	MR407	Autotronics	Y		
161	MC	B Tech-MECHATRONICS	MR409	Micro Electro Mechanical Systems	Y		
162	MC	B Tech-MECHATRONICS	MR463	Bio Mechatronics	Y		
163	MC	B Tech-MECHATRONICS	MR465	Entrepreneurship	Y		
164	MC	B Tech-MECHATRONICS	MR402	Soft Computing Techniques	Y		
165	MC	B Tech-MECHATRONICS	MR404	Power Electronics and Drives	Y		
166	MC	B Tech-MECHATRONICS	MR462	Industrial Electronics and Applications	Y		
167	MC	B Tech-MECHATRONICS	MR464	Agile Manufacturing Systems	Y		
168	MC	B Tech-MECHATRONICS	MR466	Special Electrical Machines and Applications	Y		

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Academic Year

Sl No	Program code	Program Name	Course code	Course Name	Project	Internship	Field visit
1	CSE	B.Tech. Computer Science and Engineering	MA101	Calculus	Y		
2	CSE	B.Tech. Computer Science and Engineering	PH100	Engineering Physics	Y		
3	CSE	B.Tech. Computer Science and Engineering	EE100	Basics of Electrical Engineering	Y		
4	CSE	B.Tech. Computer Science and Engineering	EC100	Basics of Electronics Engineering	Y		
5	CSE	B.Tech. Computer Science and Engineering	BE100	Engineering Mechanics	Y		
6	CSE	B.Tech. Computer Science and Engineering	BE110	Engineering Graphics	Y		
7	CSE	B.Tech. Computer Science and Engineering	BE102	Design & Engineering	Y		
8	CSE	B.Tech. Computer Science and Engineering	CS 100	Computer Programming	Y		
9	CSE	B.Tech. Computer	CS201	Discrete Computationa	Y		

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		Science and Engineering		I Structures			
10	CSE	B.Tech. Computer Science and Engineering	CS205	Data Structures	Y		
11	CSE	B.Tech. Computer Science and Engineering	CS207	Electronics Devices & Circuits	Y		
12	CSE	B.Tech. Computer Science and Engineering	CS202	Computer Organization and Architecture	Y		
13	CSE	B.Tech. Computer Science and Engineering	CS204	Operating Systems	Y		
14	CSE	B.Tech. Computer Science and Engineering	CS206	Object Oriented Design and Programming	Y		
15	CSE	B.Tech. Computer Science and Engineering	CS208	Principles of Database Design	Y		
16	CSE	B.Tech. Computer Science and Engineering	CS232	Free and Open Source Software Lab	Y		
17	CSE	B.Tech. Computer Science and Engineering	CS301	Theory of Computation	Y		
18	CSE	B.Tech. Computer Science and Engineering	CS303	System Software	Y		
19	CSE	B.Tech. Computer	CS307	Data Communicati	Y		

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		Science and Engineering		on			
20	CSE	B.Tech. Computer Science and Engineering	CS309	Graph Theory and Combinatorics	Y		
21	CSE	B.Tech. Computer Science and Engineering	CS361	Soft Computing	Y		
22	CSE	B.Tech. Computer Science and Engineering	CS365	Optimization Techniques	Y		
23	CSE	B.Tech. Computer Science and Engineering	CS302	Design and Analysis of Algorithms	Y		
24	CSE	B.Tech. Computer Science and Engineering	CS304	Compiler Design	Y		
25	CSE	B.Tech. Computer Science and Engineering	CS306	Computer Networks	Y		
26	CSE	B.Tech. Computer Science and Engineering	CS308	Software Engineering and Project Management	Y		
27	CSE	B.Tech. Computer Science and Engineering	CS334	Network Programming Lab	Y		
28	CSE	B.Tech. Computer Science and Engineering	CS364	Mobile Computing	Y		
29	CSE	B.Tech. Computer	CS368	Web Technologies	Y		

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		Science and Engineering					
30	CSE	B.Tech. Computer Science and Engineering	CS401	Computer Graphics	Y		
31	CSE	B.Tech. Computer Science and Engineering	CS405	Computer System Architecture	Y		
32	CSE	B.Tech. Computer Science and Engineering	CS407	Distributed Computing	Y		
33	CSE	B.Tech. Computer Science and Engineering	CS409	Cryptography and Network Security	Y		
34	CSE	B.Tech. Computer Science and Engineering	CS463	Digital Image Processing	Y		
35	CSE	B.Tech. Computer Science and Engineering	CS467	Machine Learning	Y		
36	CSE	B.Tech. Computer Science and Engineering	CS402	Data Mining and Ware Housing	Y		
37	CSE	B.Tech. Computer Science and Engineering	CS404	Embedded Systems	Y		
38	CSE	B.Tech. Computer Science and Engineering	CS464	Artificial Intelligence	Y		
39	CSE	B.Tech. Computer	CS468	Cloud Computing	Y		

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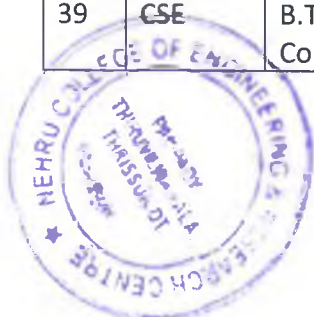# NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE
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		Science and Engineering					
40	CSE	B.Tech. Computer Science and Engineering	CS472	Principles of Information Security	Y		
41	EC	B TECH Electronics & Communication Engineering	EC201	NETWORK THEORY	Y	Y	Y
42	EC	B TECH Electronics & Communication Engineering	EC203	SOLID STATE DEVICES	Y		
43	EC	B TECH Electronics & Communication Engineering	EC205	ELECTRONIC CIRCUITS	Y	Y	Y
44	EC	B TECH Electronics & Communication Engineering	EC207	LOGIC CIRCUIT DESIGN	Y	Y	
45	EC	B TECH Electronics & Communication Engineering	EC204	ANALOG INTEGRATED CIRCUITS	Y		Y
46	EC	B TECH Electronics & Communication Engineering	EC208	ANALOG COMMUNICATION ENGINEERING	Y	Y	
47	EC	B TECH Electronics & Communication Engineering	EC301	DIGITAL SIGNAL PROCESSING	Y		

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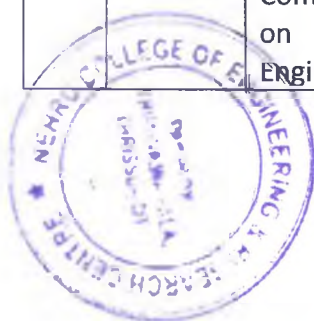Thiruvilwamala, Thrissur Dt
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48	EC	B TECH Electronics & Communication Engineering	EC303	APPLIED ELECTROMAGNETIC THEORY	Y		
49	EC	B TECH Electronics & Communication Engineering	EC305	MICROPROCESSORS & MICROCONTROLLERS	Y	Y	Y
50	EC	B TECH Electronics & Communication Engineering	EC307	POWER ELECTRONICS & INSTRUMENTATION	Y	Y	
51	EC	B TECH Electronics & Communication Engineering	EC361*	DIGITAL SYSTEM DESIGN	Y	Y	Y
52	EC	B TECH Electronics & Communication Engineering	EC304	VLSI	Y		
53	EC	B TECH Electronics & Communication Engineering	EC306	ANTENNA & WAVE PROPAGATION	Y		Y
54	EC	B TECH Electronics & Communication Engineering	EC308	EMBEDDED SYSTEMS	Y	Y	Y
55	EC	B TECH Electronics & Communication Engineering	EC268*	ROBOTICS	Y	Y	Y

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56	EC	B TECH Electronics & Communication Engineering	EC403	MICROWAVE & RADAR ENGINEERIN	Y		Y
57	EC	B TECH Electronics & Communication Engineering	EC405	OPTICAL COMMUNICATION	Y	Y	Y
58	EC	B TECH Electronics & Communication Engineering	EC409	CONTROL SYSTEMS		Y	Y
59	EC	B TECH Electronics & Communication Engineering	EC461#	MICROWAVE DEVICES AND CIRCUITS	Y	Y	
60	EC	B TECH Electronics & Communication Engineering	EC402	NANO ELECTRONICS	Y		Y
61	EC	B TECH Electronics & Communication Engineering	EC464#	LOW POWER VLSI DESIGN	Y		
62	ECVL	MTECH VLSI VLSI Design	08EC6321	CMOS VLSI DESIGN	Y	Y	
63	ECVL	MTECH VLSI VLSI Design	08EC6331	ADVANCED DSD	Y	Y	Y
64	ECVL	MTECH VLSI VLSI Design	08EC6341	VLSI FABRICATION TECHNOLOGY	Y		Y
65	ECVL	MTECH VLSI VLSI Design	08EC6351	DIGITAL INTEGRATED CIRCUITS	Y		Y

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66	ECVL	MTECH VLSI VLSI Design	08 EC 6312	ANALOG VLSI DESIGN	Y	Y	Y
67	ECVL	MTECH VLSI VLSI Design	08 EC 6322	CAD OF VLSI CIRCUITS	Y	Y	
68	ECVL	MTECH VLSI VLSI Design	08 EC 6332	TESTING & VERIFICATION OF VLSI CIRCUITS	Y		Y
69	ECVL	MTECH VLSI VLSI Design	08 EC 6342(A)	LOW POWER VLSI DESIGN	Y		
70	ECVL	MTECH VLSI VLSI Design	08 EC 6352(B)	SoC DESIGN & VERIFICATION		Y	Y
71	ECVL	MTECH VLSI VLSI Design	08EC73 13	FPGA ARCHITECTURE	Y	Y	Y
72	ECVL	MTECH VLSI VLSI Design	08EC73 23	SYSTEM VERILOG	Y	Y	Y
73	AU	BTECH AUTOMOBILE ENGINEERING	AU201	S I Engines & Combustion	Y		
74	AU	BTECH AUTOMOBILE ENGINEERING	AU203	Auto Chassis	Y	Y	Y
75	AU	BTECH AUTOMOBILE ENGINEERING	AU204	C I Engines & Combustion	Y		
76	AU	BTECH AUTOMOBILE ENGINEERING	AU206	Auto Transmission	Y		Y
77	AU	BTECH AUTOMOBILE ENGINEERING	ME307	Machine Design-I	Y		
78	AU	BTECH AUTOMOBILE ENGINEERING	AU307	Vehicle Body Engineering	Y		Y
79	AU	BTECH AUTOMOBILE ENGINEERING	AU364	Vehicle Performance & Testing	Y		Y
80	AU	BTECH AUTOMOBILE	AU403	Vehicle Dynamics	Y		

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		ENGINEERING					
81	AU	BTECH AUTOMOBILE ENGINEERING	AU407	Advanced I C Engines	Y		
82	AU	BTECH AUTOMOBILE ENGINEERING	AU409	Simulation & Analysis of IC Engine Processes	Y		
83	AU	BTECH AUTOMOBILE ENGINEERING	AU410	Vehicle Transport & Fleet Management	Y	Y	Y
84	AU	BTECH AUTOMOBILE ENGINEERING	AU402	Two and Three Wheelers	Y		Y
85	AU	BTECH AUTOMOBILE ENGINEERING	AU404	Engine & Vehicle Management Systems	Y		Y
86	AU	BTECH AUTOMOBILE ENGINEERING	AU462	Vehicle Maintenance	Y	Y	Y
87	EE	B Tech., Electrical and Electronics Engineering	EE201	Circuits and, Networks	Y	Y	Y
88	EE	B Tech., Electrical and Electronics Engineering	EE203	Analogue Electronic Circuits	Y	Y	Y
89	EE	B Tech., Electrical and Electronics Engineering	EE205	DC Machines and Transformers	Y	Y	Y
90	EE	B Tech., Electrical and Electronics Engineering	EE207	Computer Programming	Y		
91	EE	B Tech., Electrical and	EE301	Power Generation,	Y	Y	Y
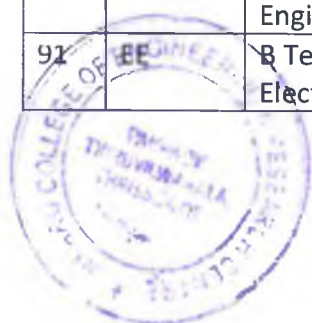
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		Electronics Engineering		Transmission and Protection			
92	EE	B Tech., Electrical and Electronics Engineering	EE303	Linear Control Systems	Y	Y	Y
93	EE	B Tech., Electrical and Electronics Engineering	EE305	Power Electronics	Y	Y	Y
94	EE	B Tech., Electrical and Electronics Engineering	EE307	Signals and Systems	Y	Y	Y
95	EE	B Tech., Electrical and Electronics Engineering	EE367	New and Renewable Energy Systems	Y	Y	Y
96	EE	B Tech., Electrical and Electronics Engineering	EE302	Electromagnetics	Y		
97	EE	B Tech., Electrical and Electronics Engineering	EE304	Advanced Control Theory	Y	Y	Y
98	EE	B Tech., Electrical and Electronics Engineering	EE306	Power System Analysis	Y	Y	Y
99	EE	B Tech., Electrical and Electronics Engineering	EE308	Electric Drives	Y	Y	Y
100	EE	B Tech., Electrical and Electronics Engineering	EE403	Distributed generation and smart grids	Y	Y	Y
101	EE	B Tech.,	EE405	Electrical	Y	Y	Y

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		Electrical and Electronics Engineering		system design			
102	EE	B Tech., Electrical and Electronics Engineering	EE407	Digital Signal Processing	Y	Y	Y
103	EE	B Tech., Electrical and Electronics Engineering	EE409	Electrical Machine Design	Y	Y	Y
104	EE	B Tech., Electrical and Electronics Engineering	EE402	Special Electric Machines	Y	Y	Y
105	MCA	Masters in Computer Applications	RLMCA 105	Applied Probability and Statistics	Y		
106	MCA	Masters in Computer Applications	RLMCA 104	Data Structures	Y		
107	MCA	Masters in Computer Applications	RLMCA 201	Computer Networks	Y		
108	MCA	Masters in Computer Applications	RLMCA 203	Software Engineering	Y		
109	MCA	Masters in Computer Applications	RLMCA 205	Database Management Systems	Y		
110	MCA	Masters in Computer Applications	RLMCA 209	Web Programming	Y		
111	MCA	Masters in Computer Applications	RLMCA 204	Bigdata Technologies	Y		
112	MCA	Masters in Computer Applications	RLMCA 206	Mobile Computing	Y		
113	MCA	Masters in	RLMCA	Introduction	Y		
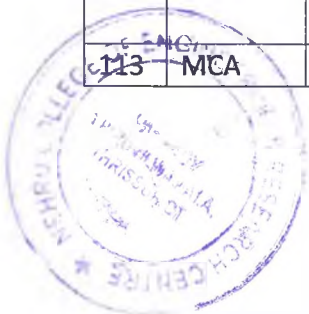
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|		Computer Applications	208	to Machine Learning			
114	MCA	Masters in Computer Applications	RLMCA 303	E-Commerce	Y		
115	MCA	Masters in Computer Applications	RLMCA 305	Cryptography and Cyber Security	Y		
116	MCA	Masters in Computer Applications	RLMCA 371	Social Network Analysis	Y		
117	MCA	Masters in Computer Applications	RLMCA 381	Cloud Computing	Y		
118	ME	BTECH MECHANICAL ENGINEERING	ME 201	Mechanics of Solids	Y		
119	ME	BTECH MECHANICAL ENGINEERING	ME 203	Mechanics of Fluids	Y		
120	ME	BTECH MECHANICAL ENGINEERING	ME 205	Thermodynamics	Y		
121	ME	BTECH MECHANICAL ENGINEERING	ME 210	Metallurgy and Materials Engineering	Y		
122	ME	BTECH MECHANICAL ENGINEERING	ME 231	Computer Aided Machine Drawing lab	Y		
123	ME	BTECH MECHANICAL ENGINEERING	ME 301	Mechanics of Machinery	Y		
124	ME	BTECH MECHANICAL ENGINEERING	ME 303	Machine Tools and Digital Manufacturing	Y		
125	ME	BTECH MECHANICAL	ME 331	Manufacturing Technology	Y		
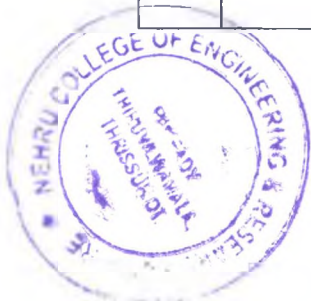
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		ENGINEERING		Lab I			
126	ME	BTECH MECHANICAL ENGINEERING	ME 401	Design of Machine Elements	Y		
127	ME	BTECH MECHANICAL ENGINEERING	ME 405	Refrigeration and Air-Conditioning	Y		
128	MEMD	Mtech Machine Design	ME08 6001	Research Methodology	Y		
129	MEMD	Mtech Machine Design	ME08 6021	Advanced Mechanics of Solids	Y		
130	MEMD	Mtech Machine Design	ME08 6031	Theory of Vibrations	Y		
131	MEMD	Mtech Machine Design	ME08 6041	Design Engineering	Y		
132	MEMD	Mtech Machine Design	08ME6 012	Advanced Machine design	Y		
133	MEMD	Mtech Machine Design	08ME6 022	Advanced Mechanisms Design and Simulation	Y		
134	MEMD	Mtech Machine Design	08ME6 032	Advanced FEA	Y		
135	MEMD	Mtech Machine Design	08ME6 042(A)	Composite Materials	Y		
136	CSCE	M Tech Computer Science and Engineering	08 CS 6011	Operating System Design	Y		
137	CSCE	M Tech Computer Science and Engineering	08 CS 6021	Advanced Data Structures	Y		

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138	CSCE	M Tech Computer Science and Engineering	08 CS 6012	Advanced Compiler Design	Y		
139	CSCE	M Tech Computer Science and Engineering	08 CS 6042(B)	Big Data Essentials	Y		
140	CSCE	M Tech Computer Science and Engineering	08 CS 6052(A)	Cloud Computing	Y		

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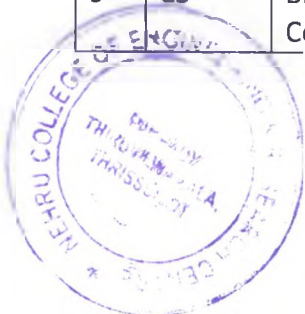Pampady, Thiruvilwamala, Thrissur Dt
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Academic Year 2017-2018

Sl No	Program code	Program Name	Course code	Course Name	Project	Internship	Field visit
1	CS	B.Tech. Computer Science and Engineering	PH100	Engineering Physics	Y		
2	CS	B.Tech. Computer Science and Engineering	EE100	Basics of Electrical Engineering	Y		
3	CS	B.Tech. Computer Science and Engineering	EC100	Basics of Electronics Engineering	Y		
4	CS	B.Tech. Computer Science and Engineering	CS 100	Computer Programming	Y		
5	CS	B.Tech. Computer Science and Engineering	MA201	Linear Algebra & Complex Analysis	Y		
6	CS	B.Tech. Computer Science and Engineering	CS205	Data Structures	Y		
7	CS	B.Tech. Computer Science and Engineering	CS207	Electronics Devices & Circuits	Y		
8	CS	B.Tech. Computer Science and Engineering	CS202	Computer Organization and Architecture	Y		
9	CS	B.Tech. Computer	CS204	Operating Systems	Y		

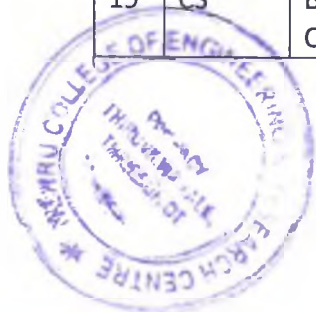|							
		Science and Engineering					
10	CS	B.Tech. Computer Science and Engineering	CS206	Object Oriented Design and Programming	Y		
11	CS	B.Tech. Computer Science and Engineering	CS208	Principles of Database Design	Y		
12	CS	B.Tech. Computer Science and Engineering	CS301	Theory of Computation	Y		
13	CS	B.Tech. Computer Science and Engineering	CS303	System Software	Y		
14	CS	B.Tech. Computer Science and Engineering	CS307	Data Communication	Y		
15	CS	B.Tech. Computer Science and Engineering	CS309	Graph Theory and Combinatorics	Y		
16	CS	B.Tech. Computer Science and Engineering	CS361	Soft Computing	Y		
17	CS	B.Tech. Computer Science and Engineering	CS302	Design and Analysis of Algorithms	Y		
18	CS	B.Tech. Computer Science and Engineering	CS304	Compiler Design	Y		
19	CS	B.Tech. Computer	CS306	Computer Networks	Y		

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		Science and Engineering					
20	CS	B.Tech. Computer Science and Engineering	CS308	Software Engineering and Project Management	Y		
21	CS	B.Tech. Computer Science and Engineering	CS364	Mobile Computing	Y		
22	CS	B.Tech. Computer Science and Engineering	CS368	Web Technologies	Y		
23	CS	B.Tech. Computer Science and Engineering	CS14 701	Design & Analysis of Algorithm	Y		
24	CS	B.Tech. Computer Science and Engineering	CS14 702	Cryptography & Network Security	Y		
25	CS	B.Tech. Computer Science and Engineering	CS14 703	Artificial Intelligence	Y		
26	CS	B.Tech. Computer Science and Engineering	CS14 801	Computer Architecture & Parallel Processing	Y		
27	CS	B.Tech. Computer Science and Engineering	CS14 803	Data Mining and Warehousing	Y		
28	CS	B.Tech. Computer Science and Engineering	CS14 704 (A)	Object Oriented Modeling and Design	Y		
29	CS	B.Tech. Computer	CS14 805 (A)	Advanced Database Design	Y		

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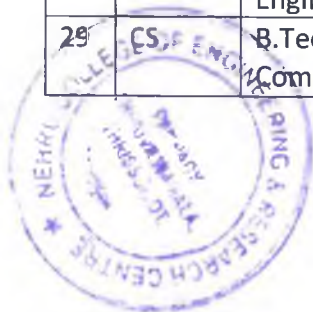Pampady, Thiruvilwamala, Thrissur Dt
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		Science and Engineering					
30	ECEA	M.Tech Applied Electronics & Communication System	08 EC 6121	DESIGN OF DSP SYSTEMS	Y	Y	Y
31	ECEA	M.Tech Applied Electronics & Communication System	08 EC 6131	ADVANCED DIGITAL COMMUNICATION	Y		
32	ECEA	M.Tech Applied Electronics & Communication System	08 EC 6141	SYSTEM DESIGN USING EMBEDDED PROCESSORS	Y	Y	Y
33	ECEA	M.Tech Applied Electronics & Communication System	08 GN 6001	RESEARCH METHODOLOGY	Y	Y	Y
34	ECEA	M.Tech Applied Electronics & Communication System	08 EC 6171	EMBEDDED & SIGNAL PROCESSING SYSTEM LAB	Y	Y	
35	ECEA	M.Tech Applied Electronics & Communication System	08EC6112	DIGITAL SYSTEM DESIGN	Y		Y
36	ECEA	M.Tech Applied Electronics & Communication System	08EC6122	WIRELESS COMMUNICATION	Y	Y	
37	ECEA	M.Tech Applied Electronics &	08EC6132	DIGITAL MOS CIRCUITS	Y		

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		Communication System					
38	ECEA	M.Tech Applied Electronics & Communication System	08EC7113(C)	BIOMEDICAL SIGNAL PROCESSING	Y		
39	ECEA	M.Tech Applied Electronics & Communication System	08EC7123(C)	SECURE COMMUNICATION	Y	Y	Y
40	ECEA	M.Tech Applied Electronics & Communication System	08EC6151A	Information Theory	Y	Y	Y
41	ECEA	M.Tech Applied Electronics & Communication System	08EC6151D	Optical Communication	Y	Y	Y
42	ECEA	M.Tech Applied Electronics & Communication System	08EC6142A	Multirate Signal Processing and Filter Bank	Y		
43	ECEA	M.Tech Applied Electronics & Communication System	08EC6152B	Wavelets Theory	Y	Y	Y
44	ECEA	M.Tech Applied Electronics & Communication System	08EC6152C	Power Electronics	Y	Y	Y
45	ECEA	M.Tech Applied Electronics &	08EC6152D	Electronics System Design	Y		Y

		Communication System					
46	ECEA	M.Tech Applied Electronics & Communication System	08EC7113B	Speech and Audio Processing	Y	Y	Y
47	ECEA	M.Tech Applied Electronics & Communication System	08EC7113C	Biomedical Signal Processing	Y	Y	Y
48	ECEA	M.Tech Applied Electronics & Communication System	08EC7123A	Linear System Theory	Y		
49	ECEA	M.Tech Applied Electronics & Communication System	08EC7123C	Secure Communications	Y	Y	Y
50	EC	B TECH Electronics & Communication Engineering	EC201	NETWORK THEORY	Y	Y	Y
51	EC	B TECH Electronics & Communication Engineering	EC203	SOLID STATE DEVICES	Y		
52	EC	B TECH Electronics & Communication Engineering	EC205	ELECTRONIC CIRCUITS	Y	Y	Y
53	EC	B TECH Electronics & Communicati	EC207	LOGIC CIRCUIT DESIGN	Y	Y	Y

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		on Engineering					
54	EC	B TECH Electronics & Communication Engineering	EC204	ANALOG INTEGRATED CIRCUITS	Y	Y	Y
55	EC	B TECH Electronics & Communication Engineering	EC206	COMPUTER ORGANIZATION	Y		
56	EC	B TECH Electronics & Communication Engineering	EC208	ANALOG COMMUNICATION ENGINEERING	Y	Y	Y
57	EC	B TECH Electronics & Communication Engineering	EC301	DIGITAL SIGNAL PROCESSING	Y	Y	Y
58	EC	B TECH Electronics & Communication Engineering	EC303	APPLIED ELECTROMAGNETIC THEORY	Y		
59	EC	B TECH Electronics & Communication Engineering	EC305	MICROPROCESSORS & MICROCONTROLLERS	Y	Y	Y
60	EC	B TECH Electronics & Communication Engineering	EC307	POWER ELECTRONICS & INSTRUMENTATION	Y	Y	Y
61	EC	B TECH Electronics & Communicati	EC361*	DIGITAL SYSTEM DESIGN	Y		Y

		on Engineering					
62	EC	B TECH Electronics & Communication Engineering	EC333	DIGITAL SIGNAL PROCESSING LAB	Y	Y	Y
63	EC	B TECH Electronics & Communication Engineering	EC304	VLSI	Y	Y	Y
64	EC	B TECH Electronics & Communication Engineering	EC306	ANTENNA & WAVE PROPAGATION	Y		
65	EC	B TECH Electronics & Communication Engineering	EC268*	ROBOTICS	Y	Y	Y
66	EC	B TECH Electronics & Communication Engineering	EC332	COMMUNICATION ENGG LAB (ANALOG & DIGITAL)	Y	Y	Y
67	EC	B TECH Electronics & Communication Engineering	EC14 701	Information Theory and Coding	Y		
68	EC	B TECH Electronics & Communication Engineering	EC14 702	Microwave Engineering	Y	Y	Y
69	EC	B TECH Electronics & Communication	EC14 703	Digital System Design	Y	Y	Y

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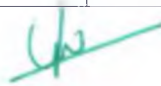
		on Engineering					
70	EC	B TECH Electronics & Communication Engineering	EC14 704(A)	Internet Technology (Global)	Y	Y	Y
71	EC	B TECH Electronics & Communication Engineering	EC14 704(B)	Television and Radar Engineering	Y		Y
72	EC	B TECH Electronics & Communication Engineering	EC14 704(C)	Embedded Systems	Y	Y	Y
73	EC	B TECH Electronics & Communication Engineering	EC14 704(D)	Nanotechnology	Y	Y	Y
74	EC	B TECH Electronics & Communication Engineering	EC14 704(E)	Image and Video Processing	Y	Y	Y
75	EC	B TECH Electronics & Communication Engineering	EC14 705(B)	HIGH SPEED DIGITAL DESIGN	Y		
76	EC	B TECH Electronics & Communication Engineering	EC14 705(E)	BIOMEDICAL INSTRUMENTATION	Y		Y
77	EC	B TECH Electronics & Communicati	EC14 803	Wireless Mobile Communications	Y	Y	Y
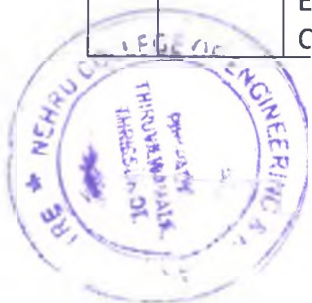
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		on Engineering					
78	EC	B TECH Electronics & Communication Engineering	EC14 804(C)	MICROWAVE ACTIVE DEVICES AND CIRCUITS	Y	Y	Y
79	EC	B TECH Electronics & Communication Engineering	EC14 804(D)	MOBILE COMPUTING	Y	Y	Y
80	EC	B TECH Electronics & Communication Engineering	EC14 805(E)	ADVANCED DIGITAL SIGNAL PROCESSING	Y		
81	ECVL	M.Tech : VLSI DESIGN	08EC6321	CMOS VLSI DESIGN	Y	Y	Y
82	ECVL	M.Tech : VLSI DESIGN	08EC6331	ADVANCED DSD	Y	Y	Y
83	ECVL	M.Tech : VLSI DESIGN	08EC6341	VLSI FABRICATION TECHNOLOGY	Y	Y	Y
84	ECVL	M.Tech : VLSI DESIGN	08EC6351	DIGITAL INTEGRATED CIRCUITS	Y		Y
85	ECVL	M.Tech : VLSI DESIGN	08 EC 6312	ANALOG VLSI DESIGN	Y		
86	ECVL	M.Tech : VLSI DESIGN	08 EC 6322	CAD OF VLSI CIRCUITS	Y	Y	
87	ECVL	M.Tech : VLSI DESIGN	08 EC 6332	TESTING & VERIFICATION OF VLSI CIRCUITS	Y		
88	ECVL	M.Tech : VLSI DESIGN	08 EC 6342(A)	LOW POWER VLSI DESIGN	Y	Y	
89	ECVL	M.Tech : VLSI DESIGN	08 EC 6352(B)	SoC DESIGN & VERIFICATION	Y		
90	ECVL	M.Tech : VLSI DESIGN	08EC7313	FPGA ARCHITECTURE	Y	Y	Y
91	ECVL	M.Tech : VLSI DESIGN	08EC7323	SYSTEM VERILOG	Y	Y	Y

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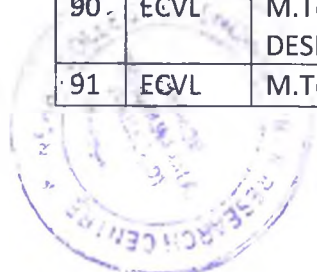# NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE
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		DESIGN					
92	ECVL	M.Tech : VLSI DESIGN	08EC6351A	Electronic System Design	Y		
93	ECVL	M.Tech : VLSI DESIGN	08EC6351B	Digital Integrated Circuits Design	Y	Y	Y
94	ECVL	M.Tech : VLSI DESIGN	08EC6351C	Designing with Microcontrollers	Y		
95	ECVL	M.Tech : VLSI DESIGN	08EC6342A	Low Power VLSI Design	Y		Y
96	ECVL	M.Tech : VLSI DESIGN	08EC6342C	Design of Digital Signal Processing	Y	Y	
97	ECVL	M.Tech : VLSI DESIGN	08EC6352A	Hign Speed Digital Design	Y		Y
98	ECVL	M.Tech : VLSI DESIGN	08EC6352C	Nano electronics	Y	Y	Y
99	ECVL	M.Tech : VLSI DESIGN	08EC7313A	FPGA Architecture & Applications	Y		Y
100	ECVL	M.Tech : VLSI DESIGN	08EC7313B	Mixed SignalSystem Design	Y	Y	
101	ECVL	M.Tech : VLSI DESIGN	08EC7323A	System Verilog	Y	Y	
102	ECVL	M.Tech : VLSI DESIGN	08EC7323C	VLSI Signal Processing	Y		Y
103	AU	BTECH AUTOMOBILE ENGINEERING	AU201	S I Engines & Combustion	Y		
104	AU	BTECH AUTOMOBILE ENGINEERING	AU203	Auto Chassis	Y	Y	Y
105	AU	BTECH AUTOMOBILE ENGINEERING	AU204	C I Engines & Combustion	Y		
106	AU	BTECH AUTOMOBILE ENGINEERING	AU206	Auto Transmission	Y		Y
107	AU	BTECH AUTOMOBILE ENGINEERING	AU307	Vehicle Body Engineering	Y	Y	Y
10	AU	BTECH	AU364	Vehicle	Y	Y	Y

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8		AUTOMOBILE ENGINEERING		Performance & Testing			
10 9	AU	BTECH AUTOMOBILE ENGINEERING	AM14 802	Automotive Safety & Pollution Control	Y		
11 0	AU	BTECH AUTOMOBILE ENGINEERING	AM14 804 (A)	Vehicle Body Engineering	Y	Y	Y
11 1	AU	BTECH AUTOMOBILE ENGINEERING	AM14 805 (E)	Vehicle Performance & Testing	Y	Y	Y
11 2	EE	B Tech., Electrical and Electronics Engineering	EE201	Circuits and Networks	Y	Y	Y
11 3	EE	B Tech., Electrical and Electronics Engineering	EE203	Analog Electronic Circuits	Y	Y	Y
11 4	EE	B Tech., Electrical and Electronics Engineering	EE205	DC Machines and Transformers	Y	Y	Y
11 5	EE	B Tech., Electrical and Electronics Engineering	EE207	Computer Programming	Y	Y	Y
11 6	EE	B Tech., Electrical and Electronics Engineering	EE301	Power Generation, Transmission and Protection	Y	Y	Y
11 7	EE	B Tech., Electrical and Electronics Engineering	EE303	Linear Control Systems	Y	Y	Y
11 8	EE	B Tech., Electrical and Electronics Engineering	EE305	Power Electronics	Y	Y	Y

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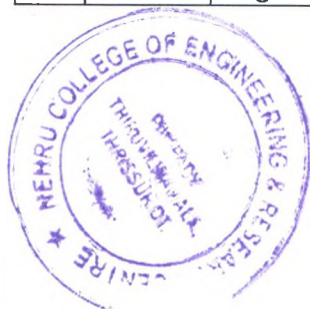Pampady, Thiruvilwamala, Thrissur Dt
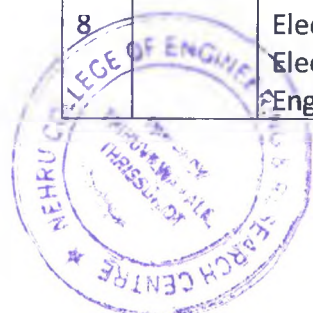Pin - 680 597 Kerala

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119	EE	B Tech., Electrical and Electronics Engineering	EE307	Signals and Systems	Y	Y	Y
120	EE	B Tech., Electrical and Electronics Engineering	EE367	New and Renewable Energy Systems	Y	Y	Y
121	EE	B Tech., Electrical and Electronics Engineering	EE302	Electromagnetics	Y		
122	EE	B Tech., Electrical and Electronics Engineering	EE304	Advanced Control Theory	Y	Y	Y
123	EE	B Tech., Electrical and Electronics Engineering	EE306	Power System Analysis	Y	Y	Y
124	EE	B Tech., Electrical and Electronics Engineering	EE308	Electric Drives	Y	Y	Y
125	EE	B Tech., Electrical and Electronics Engineering	EE14 701	Power System Analysis	Y	Y	Y
126	EE	B Tech., Electrical and Electronics Engineering	EE14 703	Electric Drives	Y	Y	Y
127	EE	B Tech., Electrical and Electronics Engineering	EE14 704(B)	Electrical Machine Design	Y	Y	Y
128	EE	B Tech., Electrical and Electronics Engineering	EE14 705(B)	High Voltage Engineering	Y	Y	Y

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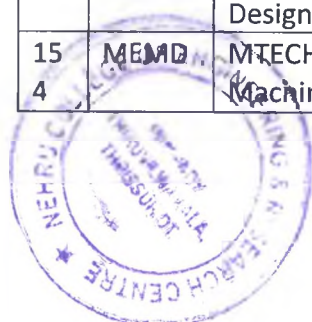# NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE
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129	EE	B Tech., Electrical and Electronics Engineering	EE14 801	Electrical System Design	Y	Y	Y
130	MCA	Masters in Computer Applications	RLMCA107	Principles of Management	Y		
131	MCA	Masters in Computer Applications	RLMCA102	Object Oriented Programming			
132	MCA	Masters in Computer Applications	RLMCA104	Data Structures	Y		
133	MCA	Masters in Computer Applications	RLMCA112	Computer Organization and Architecture	Y		
134	MCA	Masters in Computer Applications	RLMCA207	Design and Analysis of Algorithms	Y		
135	MCA	Masters in Computer Applications	RLMCA204	Bigdata Technologies	Y		
136	MCA	Masters in Computer Applications	MCA 10 401	Cryptography and Network Security	Y		
137	MCA	Masters in Computer Applications	MCA 10 402	Software Architecture and Project Management	Y		
138	MCA	Masters in Computer Applications	MCA 10 403	Web Programming	Y		
139	MCA	Masters in Computer Applications	MCA 10 404 C	Advanced DBMS			
140	MCA	Masters in Computer Applications	MCA 10 405 C	Embedded Systems	Y		
141	MCA	Masters in Computer	MCA10 502	Computer Graphics and Multimedia	Y		

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		Applications		Systems			
14 2	MCA	Masters in Computer Applications	MCA10 503	Wireless Communication	v		
14 3	ME	BTECH MECHANICAL ENGINEERING	ME 204	Thermal Engineering	Y		
14 4	ME	BTECH MECHANICAL ENGINEERING	ME 206	Fluid Machinery	Y		
14 5	ME	BTECH MECHANICAL ENGINEERING	ME 220	Manufacturing Technology	Y		
14 6	ME	BTECH MECHANICAL ENGINEERING	ME 304	Dynamics of Machinery	Y		
14 7	ME	BTECH MECHANICAL ENGINEERING	ME 306	Advanced Manufacturing Technology	Y		
14 8	ME	BTECH MECHANICAL ENGINEERING	ME14 701	Refrigeration and Air-conditioning	Y		
14 9	ME	BTECH MECHANICAL ENGINEERING	ME14 702	Machine Design II	Y		
15 0	MEMD	MTECH Machine Design	ME08 6021	Advanced Mechanics of Solids	Y		
15 1	MEMD	MTECH Machine Design	ME08 6031	Theory of Vibrations	Y		
15 2	MEMD	MTECH Machine Design	ME08 6041	Design Engineering	Y		
15 3	MEMD	MTECH Machine Design	08ME6012	Advanced Machine design	Y		
15 4	MEMD	MTECH Machine	08ME6022	Advanced Mechanisms	Y		

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		Design		Design and Simulation			
15 5	MEMD	MTECH Machine Design	08ME6032	Advanced FEA	Y		
15 6	MEMD	MTECH Machine Design	08ME6042(A)	Composite Materials	Y		

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Academic Year 2016-2017

Sl No	Program code	Program Name	Course code	Course Name	Project	Internship	Field visit
1	CS	B.Tech. Computer Science and Engineering	EC100	Basics of Electronics Engineering	Y		
2	CS	B.Tech. Computer Science and Engineering	CS 100	Computer Programming	Y		
3	CS	B.Tech. Computer Science and Engineering	CS201	Discrete Computational Structures	Y		
4	CS	B.Tech. Computer Science and Engineering	CS205	Data Structures	Y		
5	CS	B.Tech. Computer Science and Engineering	CS207	Electronics Devices & Circuits	Y		
6	CS	B.Tech. Computer Science and Engineering	CS204	Operating Systems	Y		
7	CS	B.Tech. Computer Science and Engineering	CS206	Object Oriented Design and Programming	Y		
8	CS	B.Tech. Computer Science and Engineering	CS208	Principles of Database Design	Y		

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19	CS	B.Tech. Computer Science and Engineering	CS09 L04	Object Oriented Modeling and Design	Y		
20	CS	B.Tech. Computer Science and Engineering	CS09 L11	Advanced Database Design	Y		
21	CSCC	M.Tech Cyber Security	08CS 6221	Internetworking – Protocols and Security	Y		
22	CSCC	M.Tech Cyber Security	08CS 6231	Advanced Cryptography	Y		
23	CSCC	M.Tech Cyber Security	08CS 6241	Advanced Computer Architecture	Y		
24	CSCC	M.Tech Cyber Security	08CS 6251(A)	High Speed Networks	Y		
25	EC	B TECH Electronics & Communication Engineering	BE101	INTRODUCTION TO ELECTRONICS ENGINEERING	Y		Y
26	EC	B TECH Electronics & Communication Engineering	BE102	DESIGN & ENGINEERING	Y	Y	Y
27	EC	B TECH Electronics & Communication Engineering	EC201	NETWORK THEORY	Y	Y	Y
28	EC	B TECH Electronics	EC203	SOLID STATE DEVICES	Y		

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		& Communication Engineering					
29	EC	B TECH Electronics & Communication Engineering	EC205	ELECTRONIC CIRCUITS	Y	Y	Y
30	EC	B TECH Electronics & Communication Engineering	EC207	LOGIC CIRCUIT DESIGN	Y		Y
31	EC	B TECH Electronics & Communication Engineering	EC204	ANALOG INTEGRATED CIRCUITS	Y	Y	
32	EC	B TECH Electronics & Communication Engineering	EC208	ANALOG COMMUNICATION ENGINEERING	Y	Y	Y
33	EC	B TECH Electronics & Communication Engineering	EC14 501	Computer Organization & Architecture	Y		
34	EC	B TECH Electronics & Communication Engineering	EC14 502	Linear Integrated Circuits	Y		Y

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35	EC	B TECH Electronics & Communication Engineering	EC14 503	Digital Communication	Y	Y	Y
36	EC	B TECH Electronics & Communication Engineering	EC14 504	Electromagnetic Field Theory	Y		
37	EC	B TECH Electronics & Communication Engineering	EC14 505	Microprocessors and Microcontrollers	Y	Y	Y
38	EC	B TECH Electronics & Communication Engineering	EC14 601	Radiation and Propagation	Y		Y
39	EC	B TECH Electronics & Communication Engineering	EC14 602	Optical Communication	Y	Y	Y
40	EC	B TECH Electronics & Communication Engineering	EC14 603	VLSI design	Y	Y	Y
41	EC	B TECH Electronics & Communication tion	EC14 604	Digital Signal Processing	Y		Y

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		Engineering					
42	EC	B TECH Electronics & Communication Engineering	EC14 605	Control Systems	Y		
43	EC	B TECH Electronics & Communication Engineering	EC14 606	Satellite Communication	Y	Y	Y
44	EC	B TECH Electronics & Communication Engineering	EC09 701	INFORMATIVE THEORY AND CODING	Y		
45	EC	B TECH Electronics & Communication Engineering	EC09 702	MICROWAVE ENGINEERING	Y	Y	
46	EC	B TECH Electronics & Communication Engineering	EC09 703	ANALOG & MIXED MOS CIRCUITS			
47	EC	B TECH Electronics & Communication Engineering	EC09 704	DIGITAL SYSTEM DESIGN	Y	Y	Y
48	EC	B TECH Electronics &	EC09 801	DATA & COMMUNICATION	Y	Y	

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		Communication Engineering		NETWORKS			
49	EC	B TECH Electronics & Communication Engineering	EC09 802	WIRELESS MOBILE COMMUNICATION	Y		Y
50	ECVL	MTECH VLSI	08EC6321	CMOS VLSI DESIGN	Y	Y	Y
51	ECVL	MTECH VLSI	08EC6331	ADVANCED DSD	Y	Y	Y
52	ECVL	MTECH VLSI	08EC6341	VLSI FABRICATION TECHNOLOGY	Y	Y	Y
53	ECVL	MTECH VLSI	08EC6351	DIGITAL INTEGRATED CIRCUITS	Y		
54	ECVL	MTECH VLSI	08 EC 6312	ANALOG VLSI DESIGN	Y	Y	Y
55	ECVL	MTECH VLSI	08 EC 6322	CAD OF VLSI CIRCUITS	Y	Y	Y
56	ECVL	MTECH VLSI	08 EC 6332	TESTING & VERIFICATION OF VLSI CIRCUITS	Y	Y	Y
57	ECVL	MTECH VLSI	08 EC 6342(A)	LOW POWER VLSI DESIGN	Y		
58	ECVL	MTECH VLSI	08 EC 6352(B)	SoC DESIGN & VERIFICATION	Y	Y	Y
59	ECVL	MTECH VLSI	08EC7313	FPGA ARCHITECTURE	Y	Y	Y
60	ECVL	MTECH VLSI	08EC7323	SYSTEM VERILOG	Y	Y	Y
61	ECVL	MTECH VLSI	08EC6351A	Electronic System Design	Y		
62	ECVL	MTECH VLSI	08EC6351B	Digital Integrated Circuits Design	Y	Y	Y

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63	ECVL	MTECH VLSI	08EC6342A	Low Power VLSI Design	Y	Y	Y
64	ECVL	MTECH VLSI	08EC6352A	Hign Speed Digital Design	Y	Y	Y
65	ECVL	MTECH VLSI	08EC6352B	SoC Design & Verification	Y		
66	ECVL	MTECH VLSI	08EC6352C	Nano electronics	Y	Y	Y
67	ECVL	MTECH VLSI	08EC7313A	FPGA Architecture & Applications	Y	Y	Y
68	ECVL	MTECH VLSI	08EC7313B	Mixed SignalSystem Design	Y		Y
69	ECVL	MTECH VLSI	08EC7323A	System Verilog	Y	Y	Y
70	ECVL	MTECH VLSI	08EC7323B	Hardware Software Co Design	Y		
71	ECVL	MTECH VLSI	08EC7323C	VLSI Signal Processing	Y	Y	
72	AU	BTECH AUTOMOBILE ENGINEERING	AU201	S I Engines & Combustion	Y		
73	AU	BTECH AUTOMOBILE ENGINEERING	AU203	Auto Chassis	Y	Y	Y
74	AU	BTECH AUTOMOBILE ENGINEERING	AU204	C I Engines & Combustion	Y		
75	AU	BTECH AUTOMOBILE ENGINEERING	AU206	Auto Transmission	Y	Y	Y

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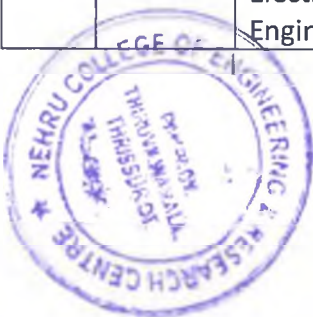Engineering and Research Centre
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76	AU	BTECH AUTOMOBILE ENGINEERING	AM14 602	Vehicle Transport & Fleet management	Y	Y	Y
77	AU	BTECH AUTOMOBILE ENGINEERING	AM14 604	Vehicle Dynamics	Y		
78	AU	BTECH AUTOMOBILE ENGINEERING	AM09 704	Auto power plant	Y		Y
79	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 802	Vehicle Maintenance and Testing	Y	Y	Y
80	EE	B Tech., Electrical and Electronics Engineering	MA101	Calculus	Y		
81	EE	B Tech., Electrical and Electronics Engineering	EE 09 501	Synchronous and Induction Machines	Y	y	y
82	EE	B Tech., Electrical and Electronics Engineering	EE 09 502	Power System Generation, Transmission and Distribution	Y	y	y
83	EE	B Tech., Electrical and Electronics Engineering	EE 09 503	Linear Control Systems	Y	y	y

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84	EE	B Tech., Electrical and Electronics Engineering	EE 09 504	Power Electronics	Y	y	y
85	EE	B Tech., Electrical and Electronics Engineering	EE 09 801	Electrical System Design	Y	y	y
86	EE	B Tech., Electrical and Electronics Engineering	EE 09 802	Power System Protection & Utilization	Y	y	y
87	MCA	Masters in Computer Applications	RLMCA101	Problem Solving and Computer Programming	Y		
88	MCA	Masters in Computer Applications	RLMCA105	Applied Probability and Statistics	Y		
89	MCA	Masters in Computer Applications	RLMCA104	Data Structures	Y		
90	MCA	Masters in Computer Applications	RLMCA106	Operating Systems	Y		
91	MCA	Masters in Computer Applications	MCA 10 203	Database Management Systems	Y		
92	MCA	Masters in Computer Applications	MCA 10 302	Computer Networks	Y		
93	MCA	Masters in	MCA 10 304	Core Java	Y		

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		Computer Applications					
94	MCA	Masters in Computer Applications	MCA 10 401	Cryptography and Network Security	Y		
95	MCA	Masters in Computer Applications	MCA 10 403	Web Programming	Y		
96	MCA	Masters in Computer Applications	MCA 10 405 C	Embedded Systems	Y		
97	MCA	Masters in Computer Applications	MCA10 501	Object oriented modeling and Design	Y		
98	MCA	Masters in Computer Applications	MCA10 502	Computer Graphics and Multimedia Systems	Y		
99	MCA	Masters in Computer Applications	MCA10 503	Wireless Communication	Y		
100	MCA	Masters in Computer Applications	MCA10 504 B	Computer Architecture			
101	MCA	Masters in Computer Applications	MCA10 505 A	Data Mining and Data ware housing	Y		
102	ME	BTECH MECHANICAL ENGINEERING	ME202	Advanced Mechanics of Solids	Y		

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103	ME	BTECH MECHANICAL ENGINEERING	ME206	Fluid Machinery	Y		
104	ME	BTECH MECHANICAL ENGINEERING	ME220	Manufacturing Technology	Y		
105	ME	BTECH MECHANICAL ENGINEERING	ME14 604	Machine Design I	Y		
106	ME	BTECH MECHANICAL ENGINEERING	ME14 502	Metal Cutting and Forming	Y		
107	MEMD	M.Tech. Machine Design	ME08 6041	Design Engineering	Y		
108	MEMD	M.Tech. Machine Design	08ME6012	Advanced Machine design	Y		
109	MEMD	M.Tech. Machine Design	08ME6022	Advanced Mechanisms Design and Simulation	Y		
110	MEMD	M.Tech. Machine Design	08ME6032	Advanced FEA	Y		
111	MEMD	M.Tech. Machine Design	08ME6042(A)	Composite Materials	Y		
112	CSCE	M Tech Computer Science and Engineering	08 CS 6042(B)	Big Data Essentials	Y		

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113	CSCE	M Tech Computer Science and Engineering	08 CS 6052(A)	Cloud Computing	Y		
114	IT	B Tech Information Technology	IT09 503	Embedded systems	Y		
115	IT	B Tech Information Technology	IT09 505	Digital data Communication	Y		
116	IT	B Tech Information Technology	IT09 602	Compiler Design	Y		
117	IT	B Tech Information Technology	IT09 603	Computer Networks	Y		
118	IT	B Tech Information Technology	IT09 604	Database Management Systems	Y		
119	IT	B Tech Information Technology	IT09 701	Computer Graphics	Y		

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Academic Year 2015-16

SI No	Program code	Program Name	Course code	Course Name	Project	Internship	Field visit
1	CS	B.Tech. Computer Science and Engineering	CS 100	Computer Programming	Y		
2	CS	B.Tech. Computer Science and Engineering	CS14 403	Data Structures and Algorithms	Y		
3	CS	B.Tech. Computer Science and Engineering	CS14 404	Object Oriented Programming in Java	Y		
4	CS	B.Tech. Computer Science and Engineering	CS14 405	Systems Programming	Y		
5	CS	B.Tech. Computer Science and Engineering	CS09 504	Operating Systems	Y		
6	CS	B.Tech. Computer Science and Engineering	CS09 505	Digital Data Communication	Y		
7	CS	B.Tech. Computer Science and Engineering	CS09 507(P)	Programming Paradigm Lab	Y		
8	CS	B.Tech. Computer Science and Engineering	CS09 601	Embedded Systems	Y		

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9	CS	B.Tech. Computer Science and Engineering	CS09 602	Compiler Design	Y		
10	CS	B.Tech. Computer Science and Engineering	CS09 603	Computer Networks	Y		
11	CS	B.Tech. Computer Science and Engineering	CS09 604	Database Management Systems	Y		
12	CS	B.Tech. Computer Science and Engineering	CS09 701	Wireless Networks and Mobile Communication Systems	Y		
13	CS	B.Tech. Computer Science and Engineering	CS09 703	Internet Technology	Y		
14	CS	B.Tech. Computer Science and Engineering	CS09 802	Data mining andWarehousing	Y		
15	CSCC	M.Tech Cyber Security	08CS 6251(A)	High Speed Networks	Y		
16	CSCC	M.Tech Cyber Security	08CS 6212	Mobile and Wireless Network Security	Y		
17	EC	B TECH Electronics & Communication Engineering	BE101	INTRODUCTION TO ELECTRONICS ENGINEERING	Y	Y	
18	EC	B TECH Electronics & Communication	EC110	ELECTRONICS ENGINEERING WORKSHOP	Y	Y	Y

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		Engineering					
19	EC	B TECH Electronics & Communication Engineering	EC14 303	Network Analysis & Synthesis	Y	Y	Y
20	EC	B TECH Electronics & Communication Engineering	EC14 304	Solid State Devices	Y	Y	Y
21	EC	B TECH Electronics & Communication Engineering	EC14 305	Electronic Circuits I	Y	Y	Y
22	EC	B TECH Electronics & Communication Engineering	EC14 306	Electrical Engg.	Y		
23	EC	B TECH Electronics & Communication Engineering	EC14 403	Signals and Systems	Y	Y	Y
24	EC	B TECH Electronics & Communication Engineering	EC14 404	Electronic Circuits II	Y	Y	Y
25	EC	B TECH Electronics & Communication Engineering	EC14 405	Digital Electronics	Y	Y	Y
26	EC	B TECH Electronics & Communicati	EC14 406	Analog Communication	Y	Y	Y

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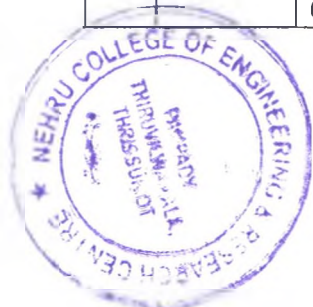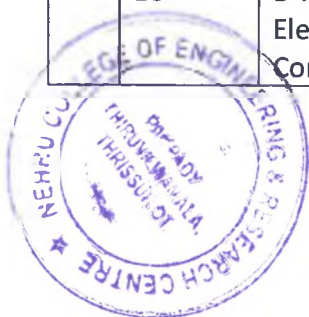Thiruvilwamala, Thrissur Dt
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		on Engineering					
27	EC	B TECH Electronics & Communication Engineering	EC09501	DIGITAL SIGNAL PROCESSING	Y		Y
28	EC	B TECH Electronics & Communication Engineering	EC09503	ELECTROMAGNETIC FIELD THEORY	Y		
29	EC	B TECH Electronics & Communication Engineering	EC09504	DIGITAL COMMUNICATION	Y	Y	Y
30	EC	B TECH Electronics & Communication Engineering	EC09505	MICROPROCESSORS & MICROCONTROLLERS	Y	Y	Y
31	EC	B TECH Electronics & Communication Engineering	EC09 506	LINEAR INTEGRTED CIRCUITS	Y		
32	EC	B TECH Electronics & Communication Engineering	EC09 601	BASICS OF VLSI DESIGN	Y		
33	EC	B TECH Electronics & Communication Engineering	EC09 603	RADIATION AND PROPAGATION	Y	Y	Y
34	EC	B TECH Electronics & Communicati	EC09 604	CONTROL SYSTEMS	Y	Y	Y

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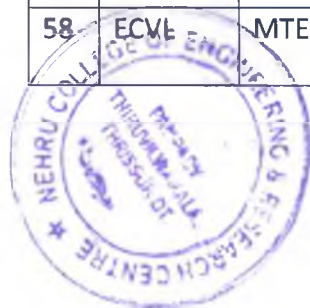|		on Engineering					
35	EC	B TECH Electronics & Communication Engineering	EC09 605	OPTICAL COMMUNICATION	Y	Y	Y
36	EC	B TECH Electronics & Communication Engineering	EC09 L04	SPEECH & AUDIO PROCESSING	Y		
37	EC	B TECH Electronics & Communication Engineering	EC09 L05	SATELLITE COMMUNICATION	Y	Y	
38	EC	B TECH Electronics & Communication Engineering	EC09 701	INFORMATIVE THEORY AND CODING	Y		
39	EC	B TECH Electronics & Communication Engineering	EC09 702	MICROWAVE ENGINEERING	Y	Y	Y
40	EC	B TECH Electronics & Communication Engineering	EC09 703	ANALOG & MIXED MOS CIRCUITS	Y	Y	Y
41	EC	B TECH Electronics & Communication Engineering	EC09 704	DIGITAL SYSTEM DESIGN	Y		Y
42	EC	B TECH Electronics & Communicati	EC09 801	DATA & COMMUNICATION NETWORKS	Y	Y	Y

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		on Engineering					
43	EC	B TECH Electronics & Communication Engineering	EC09 802	WIRELESS MOBILE COMMUNICATION	Y	Y	Y
44	ECVL	MTECH VLSI	08EC6311	ADVANCED ENGG MATHEMATICS		Y	Y
45	ECVL	MTECH VLSI	08EC6321	CMOS VLSI DESIGN	Y		
46	ECVL	MTECH VLSI	08EC6331	ADVANCED DSD	Y	Y	Y
47	ECVL	MTECH VLSI	08EC6341	VLSI FABRICATION TECHNOLOGY	Y	Y	Y
48	ECVL	MTECH VLSI	08EC6351	DIGITAL INTEGRATED CIRCUITS	Y	Y	Y
49	ECVL	MTECH VLSI	08 EC 6312	ANALOG VLSI DESIGN	Y		Y
50	ECVL	MTECH VLSI	08 EC 6322	CAD OF VLSI CIRCUITS	Y	Y	
51	ECVL	MTECH VLSI	08 EC 6332	TESTING & VERIFICATION OF VLSI CIRCUITS	Y	Y	Y
52	ECVL	MTECH VLSI	08 EC 6342(A)	LOW POWER VLSI DESIGN	Y	Y	Y
53	ECVL	MTECH VLSI	08 EC 6352(B)	SoC DESIGN & VERIFICATION	Y		
54	ECVL	MTECH VLSI	08EC7313	FPGA ARCHITECTURE	Y	Y	Y
55	ECVL	MTECH VLSI	08EC7323	SYSTEM VERILOG	Y		Y
56	ECVL	MTECH VLSI	08EC6351 A	Electronic System Design	Y	Y	Y
57	ECVL	MTECH VLSI	08EC6351 B	Digital Integrated Circuits Design	Y		Y
58	ECVL	MTECH VLSI	08EC6351 C	Designing with Microcontrollers		Y	Y

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59	ECVL	MTECH VLSI	08EC6342 A	Low Power VLSI Design	Y	Y	Y
60	ECVL	MTECH VLSI	08EC6342 B	Synthesis and optimization of Digital Circuits	Y		
61	ECVL	MTECH VLSI	08EC6342 C	Design of Digital Signal Processing	Y	Y	Y
62	ECVL	MTECH VLSI	08EC6352 A	Hign Speed Digital Design	Y	Y	Y
63	ECVL	MTECH VLSI	08EC6352 B	SoC Design & Verification	Y		Y
64	ECVL	MTECH VLSI	08EC6352 C	Nano electronics	Y		
65	ECVL	MTECH VLSI	08EC7313 B	Mixed SignalSystem Design	Y	Y	Y
66	ECVL	MTECH VLSI	08EC7313 C	ASIC Design		Y	Y
67	ECVL	MTECH VLSI	08EC7323 A	System Verilog	Y	Y	Y
68	ECVL	MTECH VLSI	08EC7323 B	Hardware Software Co Design			
69	ECVL	MTECH VLSI	08EC7323 C	VLSI Signal Processing	Y	Y	Y
70	ECEA	MTECH Applied Electronics and Communication Systems	08 EC 6111	MATHEMATICS FOR COMMUNICATION ENGG.		Y	Y
71	ECEA	MTECH Applied Electronics and Communication Systems	08 EC 6121	DESIGN OF DSP SYSTEMS	Y	Y	Y
72	ECEA	MTECH Applied Electronics	08 EC 6131	ADVANCED DIGITAL COMMUNICATIO	Y		Y

		and Communication Systems		N			
73	ECEA	MTECH Applied Electronics and Communication Systems	08 EC 6141	SYSTEM DESIGN USING EMBEDDED PROCESSORS	Y	Y	
74	ECEA	MTECH Applied Electronics and Communication Systems	08 EC 6151(A)	INFORMATION THEORY	Y	Y	Y
75	ECEA	MTECH Applied Electronics and Communication Systems	08 GN 6001	RESEARCH METHODOLOGY	Y	Y	Y
76	ECEA	MTECH Applied Electronics and Communication Systems	08EC6112	DIGITAL SYSTEM DESIGN	Y	Y	Y
77	ECEA	MTECH Applied Electronics and Communication Systems	08EC6122	WIRELESS COMMUNICATION	Y	Y	Y
78	ECEA	MTECH Applied Electronics and Communication Systems	08EC6132	DIGITAL MOS CIRCUITS	Y		
79	ECEA	MTECH Applied	08EC7113(C)	BIOMEDICAL SIGNAL	Y	Y	Y

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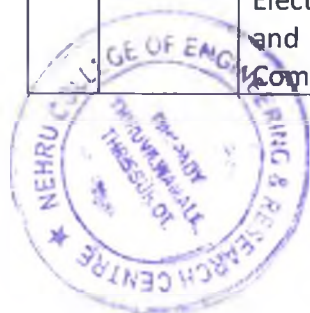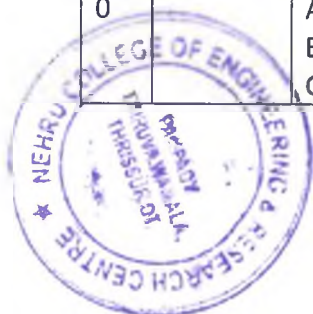|		Electronics and Communication Systems		PROCESSING			
80	ECEA	MTECH Applied Electronics and Communication Systems	08EC7123(C)	SECURE COMMUNICATION	Y	Y	Y
81	ECEA	MTECH Applied Electronics and Communication Systems	08EC6151 B	Ada[tive Signal Processing	Y	Y	Y
82	ECEA	MTECH Applied Electronics and Communication Systems	08EC6151 D	Optical Communication	Y	Y	Y
83	ECEA	MTECH Applied Electronics and Communication Systems	08EC6142 A	Multirate Signal Processing and Filter Bank	Y		
84	ECEA	MTECH Applied Electronics and Communication Systems	08EC6142 B	Spectral analysis of Signal	Y		Y
85	ECEA	MTECH Applied Electronics and Communication Systems	08EC6152 A	Communication Switching Theory	Y		

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86	ECEA	MTECH Applied Electronics and Communication Systems	08EC6152 B	Wavelets Theory	Y		
87	ECEA	MTECH Applied Electronics and Communication Systems	08EC6152 C	Power Electronics	Y	Y	Y
88	ECEA	MTECH Applied Electronics and Communication Systems	08EC6152 D	Electronics System Design	Y	Y	Y
89	ECEA	MTECH Applied Electronics and Communication Systems	08EC7113 A	Signal Compression-Theory & Methods	Y		
90	ECEA	MTECH Applied Electronics and Communication Systems	08EC7113 B	Speech and Audio Processing		Y	Y
91	ECEA	MTECH Applied Electronics and Communication Systems	08EC7113 C	Biomedical Signal Processing	Y	Y	Y
92	ECEA	MTECH Applied Electronics and Communicati	08EC7113 D	DSP Algorithums and Architecturers	Y	Y	Y

		on Systems					
93	ECEA	MTECH Applied Electronics and Communication Systems	08EC7123 A	Linear System Theory	Y		Y
94	ECEA	MTECH Applied Electronics and Communication Systems	08EC7123 B	Linear and Non Linear Optimization		Y	Y
95	ECEA	MTECH Applied Electronics and Communication Systems	08EC7123 C	Secure Communications	Y		
96	AU	BTECH AUTOMOBILE ENGINEERING	AM14 304	Automobile Body Structure	Y	Y	Y
97	AU	BTECH AUTOMOBILE ENGINEERING	AM14 307 (P)	Automobile Body Structure Lab	Y	Y	Y
98	AU	BTECH AUTOMOBILE ENGINEERING	EN14 401A	Engineering Mathematics IV	Y		
99	AU	BTECH AUTOMOBILE ENGINEERING	AM14 404	Automotive Engines	Y		Y
100	AU	BTECH AUTOMOBILE ENGINEERING	AM14 405	Automotive Transmissions	Y		Y

101	AU	BTECH AUTOMOBILE ENGINEERING	AM14 406	Computer Assisted Automobile Drawing	Y		
102	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 502	Automotive transmission	Y		Y
103	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 504	IC engines and gas turbines	Y		
104	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 601	Vehicle dynamics	Y		
105	AU	BTECH AUTOMOBILE ENGINEERING	AM09 704	Auto power plant	Y	Y	Y
106	AU	BTECH AUTOMOBILE ENGINEERING	AM 09 802	Vehicle Maintenance and Testing	Y	Y	Y
107	EE	B Tech., Electrical and Electronics Engineering	EE14 303	Electric Circuit Theory	Y	y	y
108	EE	B Tech., Electrical and Electronics Engineering	EE14 304	Electrical Measurements & Instrumentation Systems	Y	y	y
109	EE	B Tech., Electrical and Electronics Engineering	EE14 305	Analog Electronics	Y	y	y
110	EE	B Tech., Electrical and Electronics	EE14 403	Electrical Machines I	Y	y	y
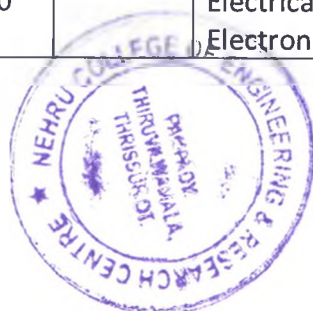
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		Engineering					
111	EE	B Tech., Electrical and Electronics Engineering	EE14 404	Signals and Systems	Y	y	y
112	EE	B Tech., Electrical and Electronics Engineering	EE14 405	Digital Electronics	Y	y	y
113	EE	B Tech., Electrical and Electronics Engineering	EE14 406	Electromagnetic Field Theory	Y		
114	EE	B Tech., Electrical and Electronics Engineering	EE09 501	Synchronous and Induction Machines	Y	y	y
115	EE	B Tech., Electrical and Electronics Engineering	EE09 502	Power System Generation, Transmission and Distribution	Y	y	y
116	EE	B Tech., Electrical and Electronics Engineering	EE09 503	Linear Control Systems	Y	y	y
117	EE	B Tech., Electrical and Electronics Engineering	EE09 504	Power Electronics	Y	y	y
118	EE	B Tech., Electrical and Electronics Engineering	EE09 601	Microprocessors and Microcontrollers	Y	y	y
119	EE	B Tech., Electrical and Electronics Engineering	EE09 603	Modern Control Theory	Y	y	y
120	EE	B Tech., Electrical and	EE09 604	Electric Drives	Y	y	y

		Electronics Engineering					
121	EE	B Tech., Electrical and Electronics Engineering	EE09 701	Power System Analysis	Y	y	y
122	EE	B Tech., Electrical and Electronics Engineering	EE09 702	Analog & Digital Communication	Y	y	y
123	EE	B Tech., Electrical and Electronics Engineering	EE09 703	Digital Signal Processing	Y	y	y
124	EE	B Tech., Electrical and Electronics Engineering	EE09 704	Electrical Machine Design	Y	y	y
125	EE	B Tech., Electrical and Electronics Engineering	EE09 801	Electrical System Design	Y	y	y
126	EE	B Tech., Electrical and Electronics Engineering	EE09 802	Power System Protection & Utilization	Y	y	y
127	MCA	Masters in Computer Applications	MCA 10 103	Computer Programming	Y		
128	MCA	Masters in Computer Applications	MCA 10 105	Principles of Software Engineering	Y		
129	MCA	Masters in Computer Applications	MCA 10 302	Computer Networks	Y		
130	MCA	Masters in Computer Applications	MCA 10 401	Cryptography and Network Security	Y		
131	MCA	Masters in Computer	MCA 10 402	Software Architecture and	Y		

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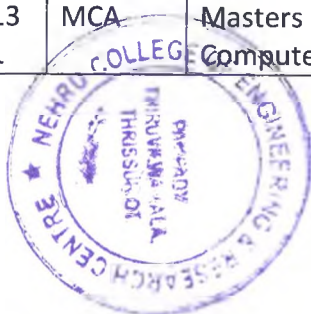Pampady, Thiruvilwamala, Thrissur Dt
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		Applications		Project Management			
13 2	MCA	Masters in Computer Applications	MCA 10 403	Web Programming	Y		
13 3	MCA	Masters in Computer Applications	MCA 10 404 C	Advanced DBMS	Y		
13 4	MCA	Masters in Computer Applications	MCA 10 405 C	Embedded Systems	Y		
13 5	MCA	Masters in Computer Applications	MCA10 501	Object oriented modeling and Design	Y		
13 6	MCA	Masters in Computer Applications	MCA10 502	Computer Graphics and Multimedia Systems	Y		
13 7	MCA	Masters in Computer Applications	MCA10 503	Wireless Communication	Y		
13 8	MCA	Masters in Computer Applications	MCA10 504 B	Computer Architecture			
13 9	MCA	Masters in Computer Applications	MCA10 505 A	Data Mining and Data ware housing	Y		
14 0	ME	BTECH MECHANICAL ENGINEERIN G	ME14 403	Thermodynamics	Y		
14 1	ME	BTECH MECHANICAL ENGINEERIN G	ME14 404	Advanced Mechanics of Solids	Y		
14 2	ME	BTECH MECHANICAL ENGINEERIN G	ME14 405	Fluid Machinery	Y		
14	ME	BTECH	ME14 406	Casting and	Y		

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3		MECHANICAL ENGINEERIN G		Joining			
14 4	ME	BTECH MECHANICAL ENGINEERIN G	ME09 601	Dynamics of Machinery	Y		
14 5	ME	BTECH MECHANICAL ENGINEERIN G	ME09 602	Finite Element Method	Y		
14 6	ME	BTECH MECHANICAL ENGINEERIN G	ME09 603	Machine Design – I	Y		
14 7	ME	BTECH MECHANICAL ENGINEERIN G	ME09 801	Refrigeration and Air Conditioning	Y		

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