


Annexure 3

Total No. of courses offered in 2016-17

Sr No.	Program Name	Course Name
1	BE Civil Engineering	Building Technology and Materials
2	BE Civil Engineering	Engg. Maths III
3	BE Civil Engineering	Surveying
4	BE Civil Engineering	Strength of Material
5	BE Civil Engineering	Geotechnical Engineering
6	BE Civil Engineering	Fluid Mechanics I
7	BE Civil Engineering	Architectural Planning and Design of Buildings
8	BE Civil Engineering	Structural Analysis I
9	BE Civil Engineering	Engineering Geology
10	BE Civil Engineering	Concrete Technology
11	BE Civil Engineering	Soft Skill
12	BE Civil Engineering	Hydrology and Water Resource Engineering
13	BE Civil Engineering	Infrastructure Engineering
14	BE Civil Engineering	Structural Design I
15	BE Civil Engineering	Structural Analysis II
16	BE Civil Engineering	Fluid Mechanics II
17	BE Civil Engineering	Employable Skill Development
18	BE Civil Engineering	Advanced Surveying
19	BE Civil Engineering	Project Management and Engineering Economics
20	BE Civil Engineering	Foundation Engineering
21	BE Civil Engineering	Structural Design II
22	BE Civil Engineering	Environmental Engineering I
23	BE Civil Engineering	Seminar & Technical Communication
24	BE Civil Engineering	Environmental Engineering II
25	BE Civil Engineering	Transportation Engineering
26	BE Civil Engineering	Structural Design III
27	BE Civil Engineering	Elective I
28	BE Civil Engineering	Elective II
29	BE Civil Engineering	Project Phase I
30	BE Civil Engineering	Dams and Hydraulic Structures
31	BE Civil Engineering	Quantity Surveying, Contracts and Tenders
32	BE Civil Engineering	Elective III
33	BE Civil Engineering	Elective IV
34	BE Civil Engineering	Project Phase II



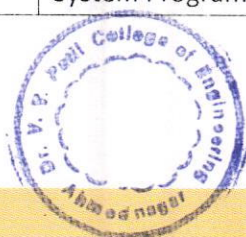

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35	ME Civil Structures	Advanced Mechanics of Solids
36	ME Civil Structures	Structural Dynamics
37	ME Civil Structures	Advanced Design of Steel Structures
38	ME Civil Structures	Research Methodology
39	ME Civil Structures	Elective I
40	ME Civil Structures	Lab Practice - I
41	ME Civil Structures	Finite Element Analysis
42	ME Civil Structures	Theory of Plates and Shells
43	ME Civil Structures	Advanced Design of Concrete Structures
44	ME Civil Structures	Elective II
45	ME Civil Structures	Lab Practice - II
46	ME Civil Structures	Seminar I
47	ME Civil Structures	Earthquake Engineering and Disaster Management
48	ME Civil Structures	Design of RCC pre stressed Cement Concrete Bridges
49	ME Civil Structures	Elective III
50	ME Civil Structures	Seminar II
51	ME Civil Structures	Project Stage I
52	ME Civil Structures	Seminar III
53	ME Civil Structures	Project Stage II
54	BE Electrical Engineering	Power Generation Technologies
55	BE Electrical Engineering	Engineering Mathematics-III
56	BE Electrical Engineering	Material Science
57	BE Electrical Engineering	Analog and Digital Electronics
58	BE Electrical Engineering	Electrical Measurements and Instrumentation
59	BE Electrical Engineering	Soft Skill
60	BE Electrical Engineering	Audit Course -I
61	BE Electrical Engineering	Power System I
62	BE Electrical Engineering	Electrical Machines I
63	BE Electrical Engineering	Network Analysis
64	BE Electrical Engineering	Numerical Methods and Computer Programming
65	BE Electrical Engineering	Fundamentals of Microcontroller and Applications
66	BE Electrical Engineering	Audit Course -II
67	BE Electrical Engineering	Industrial and Technology Management
68	BE Electrical Engineering	Advance Microcontroller and its Applications
69	BE Electrical Engineering	Electrical Machines II
70	BE Electrical Engineering	Power Electronics
71	BE Electrical Engineering	Electrical Installation, Maintenance and Testing
72	BE Electrical Engineering	Seminar & technical Communication



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73	BE Electrical Engineering	Power System II
74	BE Electrical Engineering	Control System I
75	BE Electrical Engineering	Utilization of Electrical Energy
76	BE Electrical Engineering	Design of Electrical Machines
77	BE Electrical Engineering	Energy Audit and Management
78	BE Electrical Engineering	Electrical Workshop
79	BE Electrical Engineering	Power System Operation and Control
80	BE Electrical Engineering	PLC and SCADA Applications
81	BE Electrical Engineering	Elective I
82	BE Electrical Engineering	Elective II
83	BE Electrical Engineering	Control System II
84	BE Electrical Engineering	Project-II
85	BE Electrical Engineering	Switchgear and Protection
86	BE Electrical Engineering	Power Electronic controlled Drives
87	BE Electrical Engineering	Elective III
88	BE Electrical Engineering	Elective IV
89	BE Electrical Engineering	Project-II
90	BE E&TC Engineering	Signals & Systems
91	BE E&TC Engineering	Electronic Devices & Circuits
92	BE E&TC Engineering	Electrical Circuits and Machines
93	BE E&TC Engineering	Data Structures and Algorithms
94	BE E&TC Engineering	Digital Electronics
95	BE E&TC Engineering	Electronic Measuring Instruments & Tools
96	BE E&TC Engineering	Audit Course -I
97	BE E&TC Engineering	Engineering Mathematics III
98	BE E&TC Engineering	Integrated Circuits
99	BE E&TC Engineering	Control Systems
100	BE E&TC Engineering	Analog Communication
101	BE E&TC Engineering	Object Oriented Programming
102	BE E&TC Engineering	Employability Skill Development
103	BE E&TC Engineering	Audit Course -II
104	BE E&TC Engineering	Digital Communication
105	BE E&TC Engineering	Digital Signal Processing
106	BE E&TC Engineering	Micro Controller and Applications
107	BE E&TC Engineering	Electromagnetics and Transmission Lines
108	BE E&TC Engineering	System Programming and Operating System
109	BE E&TC Engineering	Digital communication and Signal Processing lab
110	BE E&TC Engineering	System Programming and Micro Controller lab



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111	BE E&TC Engineering	Employability Skills in Electronics Design
112	BE E&TC Engineering	Information Theory and Coding Techniques
113	BE E&TC Engineering	Antenna and Wave Propagation
114	BE E&TC Engineering	Embedded Processors
115	BE E&TC Engineering	Industrial Management
116	BE E&TC Engineering	Power Electronics
117	BE E&TC Engineering	Communication lab
118	BE E&TC Engineering	Power Electronics & Embedded lab
119	BE E&TC Engineering	Mini project and Seminar
120	BE E&TC Engineering	VLSI Design & Technology
121	BE E&TC Engineering	Computer Networks
122	BE E&TC Engineering	Microwave Engineering
123	BE E&TC Engineering	Elective I
124	BE E&TC Engineering	Elective II
125	BE E&TC Engineering	Lab Practice-I
126	BE E&TC Engineering	Lab Practice-II
127	BE E&TC Engineering	Project Phase -I
128	BE E&TC Engineering	Mobile Communication
129	BE E&TC Engineering	Broadband Communication Systems
130	BE E&TC Engineering	Elective III
131	BE E&TC Engineering	Elective IV
132	BE E&TC Engineering	Lab Practice-III
133	BE E&TC Engineering	Lab Practice-IV
134	BE E&TC Engineering	Project Phase II
135	BE Information Technology	Discrete Structures
136	BE Information Technology	Computer Organization Architecture
137	BE Information Technology	Digital Electronics and Logic Dsign
138	BE Information Technology	Fundamentals of data structure
139	BE Information Technology	Problem solving and object oriented programming
140	BE Information Technology	Digital Lab
141	BE Information Technology	Programming Lab
142	BE Information Technology	Object oriented programming Lab
143	BE Information Technology	Communication Skill
144	BE Information Technology	Engineering Math's-III
145	BE Information Technology	Computer Graphics
146	BE Information Technology	Processor Architecture & Interfacing
147	BE Information Technology	Data Structures & Files



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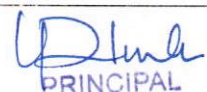
148	BE Information Technology	Foundations of Communication and Computer Network
149	BE Information Technology	Processor Architecture Lab
150	BE Information Technology	Data Structures & Files lab
151	BE Information Technology	Computer Graphics lab
152	BE Information Technology	Computer Network Technology
153	BE Information Technology	Theory of Computation
154	BE Information Technology	Database Management systems
155	BE Information Technology	Software Engineering
156	BE Information Technology	Web Engineering and Technology
157	BE Information Technology	Software Lab-I
158	BE Information Technology	Database Management systems Lab
159	BE Information Technology	Employability Skill Development lab
160	BE Information Technology	Design and Analysis of Algorithms
161	BE Information Technology	Systems Programming
162	BE Information Technology	Operating System
163	BE Information Technology	Multimedia Technologies
164	BE Information Technology	Information Tech Project Management
165	BE Information Technology	Operating System lab
166	BE Information Technology	Software Lab-II
167	BE Information Technology	Seminar & Technical Communication lab
168	BE Information Technology	Information and Cyber Security
169	BE Information Technology	Software Modeling and Design
170	BE Information Technology	Machine Learning
171	BE Information Technology	Elective – I
172	BE Information Technology	Elective – II
173	BE Information Technology	Software Lab-III
174	BE Information Technology	Software Lab-IV
175	BE Information Technology	Project Phase I
176	BE Information Technology	Distributed System
177	BE Information Technology	Advanced Databases
178	BE Information Technology	Elective – III
179	BE Information Technology	Elective – IV
180	BE Information Technology	Software Lab-V
181	BE Information Technology	Software Lab-VI
182	BE Information Technology	Project Work
183	B E Mechanical	Engineering Mathematics – III
184	B E Mechanical	Manufacturing Process-I
185	B E Mechanical	Computer Aided Machine Drawing



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186	B E Mechanical	Thermodynamics
187	B E Mechanical	Material Science
188	B E Mechanical	Audit Course
189	B E Mechanical	Strength of Materials
190	B E Mechanical	Fluid Mechanics
191	B E Mechanical	Soft Skill
192	B E Mechanical	Theory of Machines – I
193	B E Mechanical	Engineering Metallurgy
194	B E Mechanical	Applied Thermodynamics
195	B E Mechanical	Electrical and Electronics Engineering
196	B E Mechanical	Machine Shop – I
197	B E Mechanical	Design of Machine Elements – I
198	B E Mechanical	Heat Transfer
199	B E Mechanical	Theory of Machines-II
200	B E Mechanical	Hydraulics and Machines Pneumatics
201	B E Mechanical	Metrology and Quality Control
202	B E Mechanical	Skill Development
203	B E Mechanical	Numerical Methods and Optimization
204	B E Mechanical	Design of Machine Elements -II
205	B E Mechanical	Turbo Machines
206	B E Mechanical	Mechatronics
207	B E Mechanical	Manufacturing Process-II
208	B E Mechanical	Machine Shop -II
209	B E Mechanical	Seminar
210	B E Mechanical	Refrigeration and Air Conditioning
211	B E Mechanical	CAD/ CAM Automation
212	B E Mechanical	Dynamics of Machinery
213	B E Mechanical	Elective-I
214	B E Mechanical	Elective –II
215	B E Mechanical	Project –I
216	B E Mechanical	Power Plant Engineering
217	B E Mechanical	Mechanical System Design
218	B E Mechanical	Elective-III
219	B E Mechanical	Elective- IV
220	B E Mechanical	Project – II
221	M E Mechanical	Advanced Mathematic
222	M E Mechanical	Material Science and Mechanical Behavior of Materials
223	M E Mechanical	Advanced Stress Analysis




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224	M E Mechanical	Research Methodology
225	M E Mechanical	Elective I
226	M E Mechanical	Lab Practice I
227	M E Mechanical	Analysis and Synthesis of Mechanisms
228	M E Mechanical	Advanced Mechanical Vibrations
229	M E Mechanical	Finite Element Method
230	M E Mechanical	Elective II
231	M E Mechanical	Lab Practice II
232	M E Mechanical	Seminar I
233	M E Mechanical	Optimization Techniques
234	M E Mechanical	Mechanical Measurement & Control
235	M E Mechanical	Elective III
236	M E Mechanical	Seminar II
237	M E Mechanical	Project Stage I
238	M E Mechanical	Seminar III
239	M E Mechanical	Project Stage II
240	FE Common	Engineering Mathematics-I
241	FE Common	Engineering Physics / Engineering Chemistry
242	FE Common	Engineering Graphics-I
243	FE Common	Basic Electrical Engineering / Basic Electronics Engineering
244	FE Common	Basics Civil and Environmental Engg.
245	FE Common	Fundamentals of programming languages-I
246	FE Common	Workshop Practices
247	FE Common	Engineering Physics/ Engineering Chemistry
248	FE Common	Basic Mechanical Engineering
249	FE Common	Engineering Mechanics
250	FE Common	Basic Electrical Engineering / Basic Electronics Engineering
251	FE Common	Engineering Mathematics-II
252	FE Common	Fundamentals of programming languages-II
253	FE Common	Engineering Graphics-II
254	BE Instrumentation and Control	Process Instrumentation- I
255	BE Instrumentation and Control	Project Engineering & Management
256	BE Instrumentation and Control	Digital Control
257	BE Instrumentation and Control	Elective- I
258	BE Instrumentation and Control	Elective- II
259	BE Instrumentation and Control	Project Stage- I
260	BE Instrumentation and Control	Process Instrumentation- II
261	BE Instrumentation and Control	Industrial Automation
262	BE Instrumentation and Control	Elective- III



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263	BE Instrumentation and Control	Elective- IV
264	BE Instrumentation and Control	Project Work
265	BE Instrumentation and Control	Industrial Visit





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1	BE Civil Engineering	Building Technology and Materials
2	BE Civil Engineering	Engg.Maths III
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4	BE Civil Engineering	Strength of Material
5	BE Civil Engineering	Geotechnical Engineering
6	BE Civil Engineering	Fluid Mechanics I
7	BE Civil Engineering	Architectural Planning and Design of Buildings
8	BE Civil Engineering	Structural Analysis I
9	BE Civil Engineering	Engineering Geology
10	BE Civil Engineering	Concrete Technology
11	BE Civil Engineering	Soft Skill
12	BE Civil Engineering	Hydrology and Water Resource Engineering
13	BE Civil Engineering	Infrastructure Engineering
14	BE Civil Engineering	Structural Design I
15	BE Civil Engineering	Structural Analysis II
16	BE Civil Engineering	Fluid Mechanics II
17	BE Civil Engineering	Employable Skill Development
18	BE Civil Engineering	Advanced Surveying
19	BE Civil Engineering	Project Management and Engineering Economics
20	BE Civil Engineering	Foundation Engineering
21	BE Civil Engineering	Structural Design II
22	BE Civil Engineering	Environmental Engineering I
23	BE Civil Engineering	Seminar
24	BE Civil Engineering	Environmental Engineering II
25	BE Civil Engineering	Transportation Engineering
26	BE Civil Engineering	Structural Design III
27	BE Civil Engineering	Elective I
28	BE Civil Engineering	Elective II
29	BE Civil Engineering	Project Phase I
30	BE Civil Engineering	Dams and Hydraulic Structures
31	BE Civil Engineering	Quantity Surveying, Contracts and Tenders
32	BE Civil Engineering	Elective III
33	BE Civil Engineering	Elective IV




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34	BE Civil Engineering	Project Phase II
35	ME Civil Structures	Theory of Elasticity & Plasticity
36	ME Civil Structures	Structural Dynamics
37	ME Civil Structures	Advanced Design of Steel Structures
38	ME Civil Structures	Numerical Methods in Structural Engineering
39	ME Civil Structures	Elective I
40	ME Civil Structures	Lab Practice - I
41	ME Civil Structures	Finite Element Analysis
42	ME Civil Structures	Theory of Plates and Shells
43	ME Civil Structures	Advanced Design of Concrete Structures
44	ME Civil Structures	Elective II
45	ME Civil Structures	Lab Practice - II
46	ME Civil Structures	Seminar I
47	ME Civil Structures	Earthquake Engineering and Disaster Management
48	ME Civil Structures	Design of RCC pre stressed Cement Concrete Bridges
49	ME Civil Structures	Elective III
50	ME Civil Structures	Seminar II
51	ME Civil Structures	Project Stage I
52	ME Civil Structures	Seminar III
53	ME Civil Structures	Project Stage II
54	BE Electrical Engineering	Power Generation Technologies
55	BE Electrical Engineering	Engineering Mathematics-III
56	BE Electrical Engineering	Material Science
57	BE Electrical Engineering	Analog and Digital Electronics
58	BE Electrical Engineering	Electrical Measurements and Instrumentation
59	BE Electrical Engineering	Soft Skill
60	BE Electrical Engineering	Audit Course -I
61	BE Electrical Engineering	Power System I
62	BE Electrical Engineering	Electrical Machines I
63	BE Electrical Engineering	Network Analysis
64	BE Electrical Engineering	Numerical Methods and Computer Programming
65	BE Electrical Engineering	Fundamentals of Microcontroller and Applications
66	BE Electrical Engineering	Audit Course -II
67	BE Electrical Engineering	Industrial and Technology Management
68	BE Electrical Engineering	Advance Microcontroller and its Applications
69	BE Electrical Engineering	Electrical Machines II
70	BE Electrical Engineering	Power Electronics
71	BE Electrical Engineering	Electrical Installation, Maintenance and Testing




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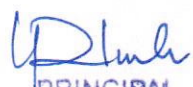
72	BE Electrical Engineering	Seminar & technical Communication
73	BE Electrical Engineering	Audit Course -III
74	BE Electrical Engineering	Power System II
75	BE Electrical Engineering	Control System I
76	BE Electrical Engineering	Utilization of Electrical Energy
77	BE Electrical Engineering	Design of Electrical Machines
78	BE Electrical Engineering	Energy Audit and Management
79	BE Electrical Engineering	Electrical Workshop
80	BE Electrical Engineering	Audit Course -III
81	BE Electrical Engineering	Power System Operation and Control
82	BE Electrical Engineering	PLC and SCADA Applications
83	BE Electrical Engineering	Elective I
84	BE Electrical Engineering	Elective II
85	BE Electrical Engineering	Control System II
86	BE Electrical Engineering	Project-II
87	BE Electrical Engineering	Switchgear and Protection
88	BE Electrical Engineering	Power Electronic controlled Drives
89	BE Electrical Engineering	Elective III
90	BE Electrical Engineering	Elective IV
91	BE Electrical Engineering	Project-II
92	BE E&TC Engineering	Signals & Systems
93	BE E&TC Engineering	Electronic Devices & Circuits
94	BE E&TC Engineering	Electrical Circuits and Machines
95	BE E&TC Engineering	Data Structures and Algorithms
96	BE E&TC Engineering	Digital Electronics
97	BE E&TC Engineering	Electronic Measuring Instruments & Tools
98	BE E&TC Engineering	Audit Course -I
99	BE E&TC Engineering	Engineering Mathematics III
100	BE E&TC Engineering	Integrated Circuits
101	BE E&TC Engineering	Control Systems
102	BE E&TC Engineering	Analog Communication
103	BE E&TC Engineering	Object Oriented Programming
104	BE E&TC Engineering	Employability Skill Development
105	BE E&TC Engineering	Audit Course -II
106	BE E&TC Engineering	Digital Communication
107	BE E&TC Engineering	Digital Signal Processing
108	BE E&TC Engineering	Microcontrollers
109	BE E&TC Engineering	Electromagnetics




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110	BE E&TC Engineering	Mechatronics
111	BE E&TC Engineering	Signal Processing and Communications LAB
112	BE E&TC Engineering	Microcontrollers and Mechatronics Lab
113	BE E&TC Engineering	Electronics System Design
114	BE E&TC Engineering	Business Management
115	BE E&TC Engineering	Information Theory and Coding Techniques
116	BE E&TC Engineering	System Programming and Operating Systems
117	BE E&TC Engineering	Advanced Processors
118	BE E&TC Engineering	Power and ITCT Lab
119	BE E&TC Engineering	Advanced Processors and System Programming Lab
120	BE E&TC Engineering	Employability Skills and Mini Project
121	BE E&TC Engineering	Power Electronics
122	BE E&TC Engineering	VLSI Design & Technology
123	BE E&TC Engineering	Computer Networks
124	BE E&TC Engineering	Microwave Engineering
125	BE E&TC Engineering	Elective I
126	BE E&TC Engineering	Elective II
127	BE E&TC Engineering	Lab Practice-I
128	BE E&TC Engineering	Lab Practice-II
129	BE E&TC Engineering	Project Phase -I
130	BE E&TC Engineering	Mobile Communication
131	BE E&TC Engineering	Broadband Communication Systems
132	BE E&TC Engineering	Elective III
133	BE E&TC Engineering	Elective IV
134	BE E&TC Engineering	Lab Practice-III
135	BE E&TC Engineering	Lab Practice-IV
136	BE E&TC Engineering	Project Phase II
137	BE Information Technology	Discrete Structures
138	BE Information Technology	Computer Organization & Architecture
139	BE Information Technology	Digital Electronics and Logic Design
140	BE Information Technology	Fundamentals of data structure
141	BE Information Technology	Problem solving and object oriented programming
142	BE Information Technology	Digital Lab
143	BE Information Technology	Programming Lab
144	BE Information Technology	Object oriented programming Lab
145	BE Information Technology	Communication Skill
146	BE Information Technology	Engineering Maths-III
147	BE Information Technology	Computer Graphics




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148	BE Information Technology	Processor Architecture & Interfacing
149	BE Information Technology	Data Structures & Files
150	BE Information Technology	Foundations of Communication and Computer Network
151	BE Information Technology	Processor ArchitectureLab
152	BE Information Technology	Data Structures & Files lab
153	BE Information Technology	Computer Graphics lab
154	BE Information Technology	Theory of Computation
155	BE Information Technology	Database Management system
156	BE Information Technology	Software Engineering & Project Management
157	BE Information Technology	Operating System
158	BE Information Technology	Human-Computer Interaction
159	BE Information Technology	Software lab-I
160	BE Information Technology	Software lab-II
161	BE Information Technology	Software lab-III
162	BE Information Technology	Audit Course 3
163	BE Information Technology	Computer Network Technology
164	BE Information Technology	Systems Programming
165	BE Information Technology	Design and Analysis of Algorithms
166	BE Information Technology	Cloud Computing
167	BE Information Technology	Data Science & Big Data Analytics
168	BE Information Technology	Software lab-IV
169	BE Information Technology	Software lab-V
170	BE Information Technology	Software lab-VI
171	BE Information Technology	Project based seminar
172	BE Information Technology	Audit Course 4
173	BE Information Technology	Information and Cyber Security
174	BE Information Technology	Software Modeling and Design
175	BE Information Technology	Machine Learning
176	BE Information Technology	Elective – I
177	BE Information Technology	Elective – II
178	BE Information Technology	Software Lab-III
179	BE Information Technology	Software Lab-IV
180	BE Information Technology	Project Phase I
181	BE Information Technology	Distributed System
182	BE Information Technology	Advanced Databases
183	BE Information Technology	Elective – III
184	BE Information Technology	Elective – IV
185	BE Information Technology	Software Lab-V



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186	BE Information Technology	Software Lab-VI
187	BE Information Technology	Project Work
188	B E Mechanical	Engineering Mathematics – III
189	B E Mechanical	Manufacturing Process-I
190	B E Mechanical	Computer Aided Machine Drawing
191	B E Mechanical	Thermodynamics
192	B E Mechanical	Material Science
193	B E Mechanical	Audit Course
194	B E Mechanical	Strength of Materials
195	B E Mechanical	Fluid Mechanics
196	B E Mechanical	Soft Skill
197	B E Mechanical	Theory of Machines – I
198	B E Mechanical	Engineering Metallurgy
199	B E Mechanical	Applied Thermodynamics
200	B E Mechanical	Electrical and Electronics Engineering
201	B E Mechanical	Machine Shop – I
202	B E Mechanical	Design of Machine Elements – I
203	B E Mechanical	Heat Transfer
204	B E Mechanical	Theory of Machines-II
205	B E Mechanical	Turbo Machines
206	B E Mechanical	Metrology and Quality Control
207	B E Mechanical	Skill Development
208	B E Mechanical	Numerical Methods and Optimization
209	B E Mechanical	Design of Machine Elements -II
210	B E Mechanical	Refrigeration and Air Conditioning
211	B E Mechanical	Mechatronics
212	B E Mechanical	Manufacturing Process-II
213	B E Mechanical	Machine Shop -II
214	B E Mechanical	Seminar
215	B E Mechanical	Audit Course*
216	B E Mechanical	Refrigeration and Air Conditioning
217	B E Mechanical	CAD/ CAM Automation
218	B E Mechanical	Dynamics of Machinery
219	B E Mechanical	Elective-I
220	B E Mechanical	Elective –II
221	B E Mechanical	Project –I
222	B E Mechanical	Power Plant Engineering
223	B E Mechanical	Mechanical System Design




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224	B E Mechanical	Elective-III
225	B E Mechanical	Elective- IV
226	B E Mechanical	Project – II
227	M E Mechanical	Advanced Mathematic
228	M E Mechanical	Material Science and Mechanical Behavior of Materials
229	M E Mechanical	Advanced Stress Analysis
230	M E Mechanical	Research Methodology
231	M E Mechanical	Elective I**
232	M E Mechanical	Lab Practice I
233	M E Mechanical	Analysis and Synthesis of Mechanisms
234	M E Mechanical	Advanced Mechanical Vibrations
235	M E Mechanical	Finite Element Method
236	M E Mechanical	Elective II
237	M E Mechanical	Lab Practice II
238	M E Mechanical	Seminar I
239	M E Mechanical	Optimization Techniques
240	M E Mechanical	Mechanical Measurement & Control
241	M E Mechanical	Elective III
242	M E Mechanical	Seminar II
243	M E Mechanical	Project Stage I
244	M E Mechanical	Seminar III
245	M E Mechanical	Project Stage II
246	FE Common	Engineering Mathematics-I
247	FE Common	Engineering Physics / Engineering Chemistry
248	FE Common	Engineering Graphics-I
249	FE Common	Basic Electrical Engineering / Basic Electronics Engineering
250	FE Common	Basics Civil and Environmental Engg.
251	FE Common	Fundamentals of programming languages-I
252	FE Common	Workshop Practices
253	FE Common	Engineering Physics/ Engineering Chemistry
254	FE Common	Basic Mechanical Engineering
255	FE Common	Engineering Mechanics
256	FE Common	Basic Electrical Engineering / Basic Electronics Engineering
257	FE Common	Engineering Mathematics-II
258	FE Common	Fundamentals of prgramming languages-II
259	FE Common	Engineering Graphics-II

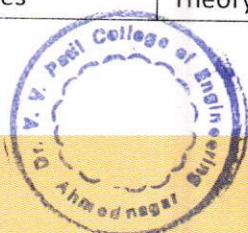


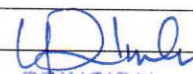

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Annexure 3

Total No. of courses offered in 2018-19

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6	BE Civil Engineering	Fluid Mechanics I
7	BE Civil Engineering	Architectural Planning and Design of Buildings
8	BE Civil Engineering	Structural Analysis I
9	BE Civil Engineering	Engineering Geology
10	BE Civil Engineering	Concrete Technology
11	BE Civil Engineering	Soft Skill
12	BE Civil Engineering	Hydrology and Water Resource Engineering
13	BE Civil Engineering	Infrastructure Engineering
14	BE Civil Engineering	Structural Design I
15	BE Civil Engineering	Structural Analysis II
16	BE Civil Engineering	Fluid Mechanics II
17	BE Civil Engineering	Employable Skill Development
18	BE Civil Engineering	Advanced Surveying
19	BE Civil Engineering	Project Management and Engineering Economics
20	BE Civil Engineering	Foundation Engineering
21	BE Civil Engineering	Structural Design II
22	BE Civil Engineering	Environmental Engineering I
23	BE Civil Engineering	Seminar
24	BE Civil Engineering	Environmental Engineering II
25	BE Civil Engineering	Transportation Engineering
26	BE Civil Engineering	Structural Design III
27	BE Civil Engineering	Elective I
28	BE Civil Engineering	Elective II
29	BE Civil Engineering	Project Phase I
30	BE Civil Engineering	Dams and Hydraulic Structures
31	BE Civil Engineering	Quantity Surveying, Contracts and Tenders
32	BE Civil Engineering	Elective III
33	BE Civil Engineering	Elective IV
34	BE Civil Engineering	Project Phase II
35	ME Civil Structures	Theory of Elasticity & Plasticity




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36	ME Civil Structures	Structural Dynamics
37	ME Civil Structures	Advanced Design of Steel Structures
38	ME Civil Structures	Numerical Methods in Structural Engineering
39	ME Civil Structures	Elective I
40	ME Civil Structures	Lab Practice - I
41	ME Civil Structures	Finite Element Analysis
42	ME Civil Structures	Theory of Plates and Shells
43	ME Civil Structures	Advanced Design of Concrete Structures
44	ME Civil Structures	Elective II
45	ME Civil Structures	Lab Practice - II
46	ME Civil Structures	Seminar I
47	ME Civil Structures	Research Methodology
48	ME Civil Structures	Earthquake Engineering and Disaster Management
49	ME Civil Structures	Elective III
50	ME Civil Structures	Seminar II
51	ME Civil Structures	Project Stage I
52	ME Civil Structures	Seminar III
53	ME Civil Structures	Project Stage II
54	BE Electrical Engineering	Power Generation Technologies
55	BE Electrical Engineering	Engineering Mathematics-III
56	BE Electrical Engineering	Material Science
57	BE Electrical Engineering	Analog and Digital Electronics
58	BE Electrical Engineering	Electrical Measurements and Instrumentation
59	BE Electrical Engineering	Soft Skill
60	BE Electrical Engineering	Audit Course -I
61	BE Electrical Engineering	Power System I
62	BE Electrical Engineering	Electrical Machines I
63	BE Electrical Engineering	Network Analysis
64	BE Electrical Engineering	Numerical Methods and Computer Programming
65	BE Electrical Engineering	Fundamentals of Microcontroller and Applications
66	BE Electrical Engineering	Audit Course -II
67	BE Electrical Engineering	Industrial and Technology Management
68	BE Electrical Engineering	Advance Microcontroller and its Applications
69	BE Electrical Engineering	Electrical Machines II
70	BE Electrical Engineering	Power Electronics
71	BE Electrical Engineering	Electrical Installation, Maintenance and Testing
72	BE Electrical Engineering	Seminar & technical Communication
73	BE Electrical Engineering	Audit Course -III
74	BE Electrical Engineering	Power System II
75	BE Electrical Engineering	Control System I



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76	BE Electrical Engineering	Utilization of Electrical Energy
77	BE Electrical Engineering	Design of Electrical Machines
78	BE Electrical Engineering	Energy Audit and Management
79	BE Electrical Engineering	Electrical Workshop
80	BE Electrical Engineering	Audit Course -IV
81	BE Electrical Engineering	Power System Operation and Control
82	BE Electrical Engineering	PLC and SCADA Applications
83	BE Electrical Engineering	Elective I
84	BE Electrical Engineering	Elective II
85	BE Electrical Engineering	Control System II
86	BE Electrical Engineering	Project-I
87	BE Electrical Engineering	Audit Course -V
88	BE Electrical Engineering	Switchgear and Protection
89	BE Electrical Engineering	Power Electronic controlled Drives
90	BE Electrical Engineering	Elective III
91	BE Electrical Engineering	Elective IV
92	BE Electrical Engineering	Project-II
93	BE Electrical Engineering	Audit Course -VI
94	BE E&TC Engineering	Signals & Systems
95	BE E&TC Engineering	Electronic Devices & Circuits
96	BE E&TC Engineering	Electrical Circuits and Machines
97	BE E&TC Engineering	Data Structures and Algorithms
98	BE E&TC Engineering	Digital Electronics
99	BE E&TC Engineering	Electronic Measuring Instruments & Tools
100	BE E&TC Engineering	Audit Course -I
101	BE E&TC Engineering	Engineering Mathematics III
102	BE E&TC Engineering	Integrated Circuits
103	BE E&TC Engineering	Control Systems
104	BE E&TC Engineering	Analog Communication
105	BE E&TC Engineering	Object Oriented Programming
106	BE E&TC Engineering	Employability Skill Development
107	BE E&TC Engineering	Audit Course -II
108	BE E&TC Engineering	Digital Communication
109	BE E&TC Engineering	Digital Signal Processing
110	BE E&TC Engineering	Microcontrollers
111	BE E&TC Engineering	Electromagnetics
112	BE E&TC Engineering	Mechatronics
113	BE E&TC Engineering	Signal Processing and Communications LAB
114	BE E&TC Engineering	Microcontrollers and Mechatronics Lab
115	BE E&TC Engineering	Electronics System Design

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116	BE E&TC Engineering	Business Management
117	BE E&TC Engineering	Information Theory and Coding Techniques
118	BE E&TC Engineering	System Programming and Operating Systems
119	BE E&TC Engineering	Advanced Processors
120	BE E&TC Engineering	Power and ITCT Lab
121	BE E&TC Engineering	Advanced Processors and System Programming Lab
122	BE E&TC Engineering	Employability Skills and Mini Project
123	BE E&TC Engineering	Power Electronics
124	BE E&TC Engineering	VLSI Design & Technology
125	BE E&TC Engineering	Computer Networks
126	BE E&TC Engineering	Radiation & Microwave Techniques
127	BE E&TC Engineering	Elective I
128	BE E&TC Engineering	Elective II
129	BE E&TC Engineering	Lab Practice-I
130	BE E&TC Engineering	Lab Practice-II
131	BE E&TC Engineering	Project Phase I
132	BE E&TC Engineering	Mobile Communication
133	BE E&TC Engineering	Broadband Communication Systems
134	BE E&TC Engineering	Elective III
135	BE E&TC Engineering	Elective IV
136	BE E&TC Engineering	Lab Practice-III
137	BE E&TC Engineering	Lab Practice-IV
138	BE E&TC Engineering	Project Phase II
139	BE Information Technology	Discrete Structures
140	BE Information Technology	Computer Organization & Architecture
141	BE Information Technology	Digital Electronics and Logic Design
142	BE Information Technology	Fundamentals of data structure
143	BE Information Technology	Problem solving and object oriented programming
144	BE Information Technology	Digital Lab
145	BE Information Technology	Programming Lab
146	BE Information Technology	Object oriented programming Lab
147	BE Information Technology	Communication Skill
148	BE Information Technology	Engineering Maths-III
149	BE Information Technology	Computer Graphics
150	BE Information Technology	Processor Architecture & Interfacing
151	BE Information Technology	Data Structures & Files
152	BE Information Technology	Foundations of Communication and Computer Network
153	BE Information Technology	Processor Architecture Lab
154	BE Information Technology	Data Structures & Files lab
155	BE Information Technology	Computer Graphics lab



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156	BE Information Technology	Theory of Computation
157	BE Information Technology	Database Management system
158	BE Information Technology	Software Engineering & Project Management
159	BE Information Technology	Operating System
160	BE Information Technology	Human-Computer Interaction
161	BE Information Technology	Software lab-I
162	BE Information Technology	Software lab-II
163	BE Information Technology	Software lab-III
164	BE Information Technology	Audit Course 3
165	BE Information Technology	Computer Network Technology
166	BE Information Technology	Systems Programming
167	BE Information Technology	Design and Analysis of Algorithms
168	BE Information Technology	Cloud Computing
169	BE Information Technology	Data Science & Big Data Analytics
170	BE Information Technology	Software lab-IV
171	BE Information Technology	Software lab-V
172	BE Information Technology	Software lab-VI
173	BE Information Technology	Project based seminar
174	BE Information Technology	Audit Course 4
175	BE Information Technology	Information and Cyber Security
176	BE Information Technology	Modeling learning and Applications
177	BE Information Technology	Software Design and Modeling
178	BE Information Technology	Elective – I
179	BE Information Technology	Elective – II
180	BE Information Technology	Computer lab- VII
181	BE Information Technology	Computer lab- VIII
182	BE Information Technology	Project Phase I
183	BE Information Technology	Audit Course -V
184	BE Information Technology	Distributed Computing System
185	BE Information Technology	Ubiquitous Computing
186	BE Information Technology	Elective – III
187	BE Information Technology	Elective – IV
188	BE Information Technology	Computer lab- IX
189	BE Information Technology	Computer lab- X
190	BE Information Technology	Project Work
191	BE Information Technology	Audit Course -VI
192	B E Mechanical	Engineering Mathematics – III
193	B E Mechanical	Manufacturing Process-I
194	B E Mechanical	Computer Aided Machine Drawing
195	B E Mechanical	Thermodynamics

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196	B E Mechanical	Material Science
197	B E Mechanical	Audit Course
198	B E Mechanical	Strength of Materials
199	B E Mechanical	Fluid Mechanics
200	B E Mechanical	Soft Skill
201	B E Mechanical	Theory of Machines – I
202	B E Mechanical	Engineering Metallurgy
203	B E Mechanical	Applied Thermodynamics
204	B E Mechanical	Electrical and Electronics Engineering
205	B E Mechanical	Machine Shop – I
206	B E Mechanical	Design of Machine Elements – I
207	B E Mechanical	Heat Transfer
208	B E Mechanical	Theory of Machines-II
209	B E Mechanical	Turbo Machines
210	B E Mechanical	Metrology and Quality Control
211	B E Mechanical	Skill Deveopment
212	B E Mechanical	Numerical Methods and Optimization
213	B E Mechanical	Design of Machine Elements -II
214	B E Mechanical	Refrigeration and Air Conditioning
215	B E Mechanical	Mechatronics
216	B E Mechanical	Manufacturing Process-II
217	B E Mechanical	Machine Shop -II
218	B E Mechanical	Seminar
219	B E Mechanical	Audit Course*
220	B E Mechanical	Hydraulics and Pneumatics
221	B E Mechanical	CAD/ CAM Automation
222	B E Mechanical	Dynamics of Machinery
223	B E Mechanical	Elective-I
224	B E Mechanical	Elective –II
225	B E Mechanical	Project –I
226	B E Mechanical	Energy Engineering
227	B E Mechanical	Mechanical System Design
228	B E Mechanical	Elective-III
229	B E Mechanical	Elective- IV
230	B E Mechanical	Project – II
231	M E Mechanical	Advanced Mathematic
232	M E Mechanical	Material Science and Mechanical Behavior of Materials
233	M E Mechanical	Advanced Stress Analysis
234	M E Mechanical	Research Methodology
235	M E Mechanical	Elective I**

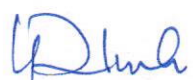

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236	M E Mechanical	Lab Practice I
237	M E Mechanical	Analysis and Synthesis of Mechanisms
238	M E Mechanical	Advanced Mechanical Vibrations
239	M E Mechanical	Finite Element Method
240	M E Mechanical	Elective II
241	M E Mechanical	Lab Practice II
242	M E Mechanical	Seminar I
243	M E Mechanical	Optimization Techniques
244	M E Mechanical	Mechanical Measurement & Control
245	M E Mechanical	Elective III
246	M E Mechanical	Seminar II
247	M E Mechanical	Project Stage I
248	M E Mechanical	Seminar III
249	M E Mechanical	Project Stage II
250	FE Common	Engineering Mathematics-I
251	FE Common	Engineering Physics / Engineering Chemistry
252	FE Common	Engineering Graphics-I
253	FE Common	Basic Electrical Engineering / Basic Electronics Engineering
254	FE Common	Basics Civil and Environmental Engg.
255	FE Common	Fundamentals of programming languages-I
256	FE Common	Workshop Practices
257	FE Common	Engineering Physics/ Engineering Chemistry
258	FE Common	Basic Mechanical Engineering
259	FE Common	Engineering Mechanics
260	FE Common	Basic Electrical Engineering / Basic Electronics Engineering
261	FE Common	Engineering Mathematics-II
262	FE Common	Fundamentals of programming languages-II
263	FE Common	Engineering Graphics-II



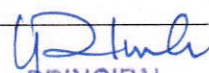

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Annexure 3

Total No. of courses offered in 2019-20

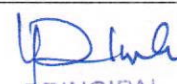
Sr. No	Program Name	Course Name
1	BE Civil Engineering	Building Technology and Materials
2	BE Civil Engineering	Engg. Maths III
3	BE Civil Engineering	Surveying
4	BE Civil Engineering	Strength of Material
5	BE Civil Engineering	Geotechnical Engineering
6	BE Civil Engineering	Fluid Mechanics I
7	BE Civil Engineering	Architectural Planning and Design of Buildings
8	BE Civil Engineering	Structural Analysis I
9	BE Civil Engineering	Engineering Geology
10	BE Civil Engineering	Concrete Technology
11	BE Civil Engineering	Soft Skill
12	BE Civil Engineering	Hydrology and Water Resource Engineering
13	BE Civil Engineering	Infrastructure Engineering
14	BE Civil Engineering	Structural Design I
15	BE Civil Engineering	Structural Analysis II
16	BE Civil Engineering	Fluid Mechanics II
17	BE Civil Engineering	Employable Skill Development
18	BE Civil Engineering	Advanced Surveying
19	BE Civil Engineering	Project Management and Engineering Economics
20	BE Civil Engineering	Foundation Engineering
21	BE Civil Engineering	Structural Design II
22	BE Civil Engineering	Environmental Engineering I
23	BE Civil Engineering	Seminar
24	BE Civil Engineering	Environmental Engineering II
25	BE Civil Engineering	Transportation Engineering
26	BE Civil Engineering	Structural Design III
27	BE Civil Engineering	Elective I
28	BE Civil Engineering	Elective II
29	BE Civil Engineering	Project Phase I
30	BE Civil Engineering	Dams and Hydraulic Structures
31	BE Civil Engineering	Quantity Surveying, Contracts and Tenders
32	BE Civil Engineering	Elective III
33	BE Civil Engineering	Elective IV
34	BE Civil Engineering	Project Phase II
35	ME Civil Structures	Theory of Elasticity & Plasticity




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36	ME Civil Structures	Structural Dynamics
37	ME Civil Structures	Advanced Design of Steel Structures
38	ME Civil Structures	Numerical Methods in Structural Engineering
39	ME Civil Structures	Elective I
40	ME Civil Structures	Lab Practice - I
41	ME Civil Structures	Finite Element Analysis
42	ME Civil Structures	Theory of Plates and Shells
43	ME Civil Structures	Advanced Design of Concrete Structures
44	ME Civil Structures	Elective II
45	ME Civil Structures	Lab Practice - II
46	ME Civil Structures	Seminar I
47	ME Civil Structures	Research Methodology
48	ME Civil Structures	Analysis of Design of Earthquake Resistant Structures
49	ME Civil Structures	Elective III
50	ME Civil Structures	Seminar II
51	ME Civil Structures	Project Stage I
52	ME Civil Structures	Seminar III
53	ME Civil Structures	Project Stage II
54	BE Electrical Engineering	Power Generation Technologies
55	BE Electrical Engineering	Engineering Mathematics-III
56	BE Electrical Engineering	Material Science
57	BE Electrical Engineering	Analog and Digital Electronics
58	BE Electrical Engineering	Electrical Measurements and Instrumentation
59	BE Electrical Engineering	Soft Skill
60	BE Electrical Engineering	Audit Course -I
61	BE Electrical Engineering	Power System I
62	BE Electrical Engineering	Electrical Machines I
63	BE Electrical Engineering	Network Analysis
64	BE Electrical Engineering	Numerical Methods and Computer Programming
65	BE Electrical Engineering	Fundamentals of Microcontroller and Applications
66	BE Electrical Engineering	Audit Course -II
67	BE Electrical Engineering	Industrial and Technology Management
68	BE Electrical Engineering	Advance Microcontroller and its Applications
69	BE Electrical Engineering	Electrical Machines II
70	BE Electrical Engineering	Power Electronics
71	BE Electrical Engineering	Electrical Installation, Maintenance and Testing
72	BE Electrical Engineering	Seminar & technical Communication
73	BE Electrical Engineering	Audit Course -III
74	BE Electrical Engineering	Power System II




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75	BE Electrical Engineering	Control System I
76	BE Electrical Engineering	Utilization of Electrical Energy
77	BE Electrical Engineering	Design of Electrical Machines
78	BE Electrical Engineering	Energy Audit and Management
79	BE Electrical Engineering	Electrical Workshop
80	BE Electrical Engineering	Audit Course -IV
81	BE Electrical Engineering	Power System Operation and Control
82	BE Electrical Engineering	PLC and SCADA Applications
83	BE Electrical Engineering	Elective I
84	BE Electrical Engineering	Elective II
85	BE Electrical Engineering	Control System II
86	BE Electrical Engineering	Project-I
87	BE Electrical Engineering	Audit Course -V
88	BE Electrical Engineering	Switchgear and Protection
89	BE Electrical Engineering	Power Electronic controlled Drives
90	BE Electrical Engineering	Elective III
91	BE Electrical Engineering	Elective IV
92	BE Electrical Engineering	Project-II
93	BE Electrical Engineering	Audit Course -VI
94	BE E&TC Engineering	Signals & Systems
95	BE E&TC Engineering	Electronic Devices & Circuits
96	BE E&TC Engineering	Electrical Circuits and Machines
97	BE E&TC Engineering	Data Structures and Algorithms
98	BE E&TC Engineering	Digital Electronics
99	BE E&TC Engineering	Electronic Measuring Instruments & Tools
100	BE E&TC Engineering	Audit Course -I
101	BE E&TC Engineering	Engineering Mathematics III
102	BE E&TC Engineering	Integrated Circuits
103	BE E&TC Engineering	Control Systems
104	BE E&TC Engineering	Analog Communication
105	BE E&TC Engineering	Object Oriented Programming
106	BE E&TC Engineering	Employability Skill Development
107	BE E&TC Engineering	Audit Course -II
108	BE E&TC Engineering	Digital Communication
109	BE E&TC Engineering	Digital Signal Processing
110	BE E&TC Engineering	Microcontrollers
111	BE E&TC Engineering	Electromagnetics
112	BE E&TC Engineering	Mechatronics
113	BE E&TC Engineering	Signal Processing and Communications LAB



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114	BE E&TC Engineering	Microcontrollers and Mechatronics Lab
115	BE E&TC Engineering	Electronics System Design
116	BE E&TC Engineering	Business Management
117	BE E&TC Engineering	Information Theory and Coding Techniques
118	BE E&TC Engineering	System Programming and Operating Systems
119	BE E&TC Engineering	Advanced Processors
120	BE E&TC Engineering	Power and ITCT Lab
121	BE E&TC Engineering	Advanced Processors and System Programming Lab
122	BE E&TC Engineering	Employability Skills and Mini Project
123	BE E&TC Engineering	Power Electronics
124	BE E&TC Engineering	VLSI Design & Technology
125	BE E&TC Engineering	Computer Networks
126	BE E&TC Engineering	Radiation & Microwave Techniques
127	BE E&TC Engineering	Elective I
128	BE E&TC Engineering	Elective II
129	BE E&TC Engineering	Lab Practice-I
130	BE E&TC Engineering	Lab Practice-II
131	BE E&TC Engineering	Project Phase I
132	BE E&TC Engineering	Mobile Communication
133	BE E&TC Engineering	Broadband Communication Systems
134	BE E&TC Engineering	Elective III
135	BE E&TC Engineering	Elective IV
136	BE E&TC Engineering	Lab Practice-III
137	BE E&TC Engineering	Lab Practice-IV
138	BE E&TC Engineering	Project Phase II
139	BE Information Technology	Discrete Structures
140	BE Information Technology	Computer Organization & Architecture
141	BE Information Technology	Digital Electronics and Logic Design
142	BE Information Technology	Fundamentals of data structure
143	BE Information Technology	Problem solving and object oriented programming
144	BE Information Technology	Digital Lab
145	BE Information Technology	Programming Lab
146	BE Information Technology	Object oriented programming Lab
147	BE Information Technology	Communication Skill
148	BE Information Technology	Engineering Maths-III
149	BE Information Technology	Computer Graphics
150	BE Information Technology	Processor Architecture & Interfacing
151	BE Information Technology	Data Structures & Files
152	BE Information Technology	Foundations of Communication and Computer Network



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153	BE Information Technology	Processor Architecture Lab
154	BE Information Technology	Data Structures & Files lab
155	BE Information Technology	Computer Graphics lab
156	BE Information Technology	Theory of Computation
157	BE Information Technology	Database Management system
158	BE Information Technology	Software Engineering & Project Management
159	BE Information Technology	Operating System
160	BE Information Technology	Human-Computer Interaction
161	BE Information Technology	Software lab-I
162	BE Information Technology	Software lab-II
163	BE Information Technology	Software lab-III
164	BE Information Technology	Audit Course 3
165	BE Information Technology	Computer Network Technology
166	BE Information Technology	Systems Programming
167	BE Information Technology	Design and Analysis of Algorithms
168	BE Information Technology	Cloud Computing
169	BE Information Technology	Data Science & Big Data Analytics
170	BE Information Technology	Software lab-IV
171	BE Information Technology	Software lab-V
172	BE Information Technology	Software lab-VI
173	BE Information Technology	Project based seminar
174	BE Information Technology	Audit Course 4
175	BE Information Technology	Information and Cyber Security
176	BE Information Technology	Modeling learning and Applications
177	BE Information Technology	Software Design and Modeling
178	BE Information Technology	Elective – I
179	BE Information Technology	Elective – II
180	BE Information Technology	Computer lab- VII
181	BE Information Technology	Computer lab- VIII
182	BE Information Technology	Project Phase I
183	BE Information Technology	Audit Course -V
184	BE Information Technology	Distributed Computing System
185	BE Information Technology	Ubiquitous Computing
186	BE Information Technology	Elective – III
187	BE Information Technology	Elective – IV
188	BE Information Technology	Computer lab- IX
189	BE Information Technology	Computer lab- X
190	BE Information Technology	Project Work
191	BE Information Technology	Audit Course -VI




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192	B E Mechanical	Engineering Mathematics – III
193	B E Mechanical	Manufacturing Process-I
194	B E Mechanical	Computer Aided Machine Drawing
195	B E Mechanical	Thermodynamics
196	B E Mechanical	Material Science
197	B E Mechanical	Audit Course
198	B E Mechanical	Strength of Materials
199	B E Mechanical	Fluid Mechanics
200	B E Mechanical	Soft Skill
201	B E Mechanical	Theory of Machines – I
202	B E Mechanical	Engineering Metallurgy
203	B E Mechanical	Applied Thermodynamics
204	B E Mechanical	Electrical and Electronics Engineering
205	B E Mechanical	Machine Shop – I
206	B E Mechanical	Design of Machine Elements – I
207	B E Mechanical	Heat Transfer
208	B E Mechanical	Theory of Machines-II
209	B E Mechanical	Turbo Machines
210	B E Mechanical	Metrology and Quality Control
211	B E Mechanical	Skill Development
212	B E Mechanical	Numerical Methods and Optimization
213	B E Mechanical	Design of Machine Elements -II
214	B E Mechanical	Refrigeration and Air Conditioning
215	B E Mechanical	Mechatronics
216	B E Mechanical	Manufacturing Process-II
217	B E Mechanical	Machine Shop -II
218	B E Mechanical	Seminar
219	B E Mechanical	Audit Course*
220	B E Mechanical	Hydraulics and Pneumatics
221	B E Mechanical	CAD/ CAM Automation
222	B E Mechanical	Dynamics of Machinery
223	B E Mechanical	Elective-I
224	B E Mechanical	Elective –II
225	B E Mechanical	Project –I
226	B E Mechanical	Energy Engineering
227	B E Mechanical	Mechanical System Design
228	B E Mechanical	Elective-III
229	B E Mechanical	Elective- IV
230	B E Mechanical	Project – II




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231	M E Mechanical	Advanced Mathematic
232	M E Mechanical	Material Science and Mechanical Behavior of Materials
233	M E Mechanical	Advanced Stress Analysis
234	M E Mechanical	Research Methodology
235	M E Mechanical	Elective I**
236	M E Mechanical	Lab Practice I
237	M E Mechanical	Analysis and Synthesis of Mechanisms
238	M E Mechanical	Advanced Mechanical Vibrations
239	M E Mechanical	Finite Element Method
240	M E Mechanical	Elective II
241	M E Mechanical	Lab Practice II
242	M E Mechanical	Seminar I
243	M E Mechanical	Optimization Techniques
244	M E Mechanical	Mechanical Measurement & Control
245	M E Mechanical	Elective III
246	M E Mechanical	Seminar II
247	M E Mechanical	Project Stage I
248	M E Mechanical	Seminar III
249	M E Mechanical	Project Stage II
250	FE Common	Engineering Mathematics-I
251	FE Common	Engineering Physics / Engineering Chemistry
252	FE Common	Systems in Mechanical Engineering
253	FE Common	Basic Electrical Engineering / Basic Electronics Engineering
254	FE Common	Programming and Problem Solving / Engineering Mechanics
255	FE Common	Workshop
256	FE Common	Audit Course 1&
257	FE Common	Engineering Mathematics-II
258	FE Common	Engineering Physics/ Engineering Chemistry
259	FE Common	Basic Electrical Engineering / Basic Electronics Engineering
260	FE Common	Programming and Problem Solving / Engineering Mechanics
261	FE Common	Engineering Graphics
262	FE Common	Project Based Learning
263	FE Common	Audit Course- 2




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Total No. of courses offered in 2020-21

Sr. No	Program Name	Course Name
1	BE Civil Engineering	Building Technology and Architectural Planning
2	BE Civil Engineering	Engg. Maths III
3	BE Civil Engineering	Mechanics of structure
4	BE Civil Engineering	Fluid Mechanics
5	BE Civil Engineering	Engineering Geology
6	BE Civil Engineering	Building Technology and Architectural Planning Lab
7	BE Civil Engineering	Mechanics of structure Lab
8	BE Civil Engineering	Fluid Mechanics Lab
9	BE Civil Engineering	Engineering Geology Lab
10	BE Civil Engineering	Audit Course -I
11	BE Civil Engineering	Geotechnical Engineering
12	BE Civil Engineering	Survey
13	BE Civil Engineering	Concrete Technology
14	BE Civil Engineering	Structural Analysis
15	BE Civil Engineering	Geotechnical Engineering Lab
16	BE Civil Engineering	Project management
17	BE Civil Engineering	Survey Lab
18	BE Civil Engineering	Concrete Technology Lab
19	BE Civil Engineering	Project Based Learning
20	BE Civil Engineering	Audit Course -II
21	BE Civil Engineering	Hydrology and Water Resource Engineering
22	BE Civil Engineering	Infrastructure Engineering
23	BE Civil Engineering	Structural Design I
24	BE Civil Engineering	Structural Analysis II
25	BE Civil Engineering	Fluid Mechanics II
26	BE Civil Engineering	Employable Skill Development
27	BE Civil Engineering	Advanced Surveying
28	BE Civil Engineering	Project Management and Engineering Economics
29	BE Civil Engineering	Foundation Engineering
30	BE Civil Engineering	Structural Design II
31	BE Civil Engineering	Environmental Engineering I
32	BE Civil Engineering	Seminar
33	BE Civil Engineering	Environmental Engineering II
34	BE Civil Engineering	Transportation Engineering
35	BE Civil Engineering	Structural Design III



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36	BE Civil Engineering	Elective I
37	BE Civil Engineering	Elective II
38	BE Civil Engineering	Project Phase I
39	BE Civil Engineering	Dams and Hydraulic Structures
40	BE Civil Engineering	Quantity Surveying, Contracts and Tenders
41	BE Civil Engineering	Elective III
42	BE Civil Engineering	Elective IV
43	BE Civil Engineering	Project Phase II
44	ME Civil Structures	Theory of Elasticity & Plasticity
45	ME Civil Structures	Structural Dynamics
46	ME Civil Structures	Advanced Design of Steel Structures
47	ME Civil Structures	Numerical Methods in Structural Engineering
48	ME Civil Structures	Elective I
49	ME Civil Structures	Lab Practice - I
50	ME Civil Structures	Finite Element Analysis
51	ME Civil Structures	Theory of Plates and Shells
52	ME Civil Structures	Advanced Design of Concrete Structures
53	ME Civil Structures	Elective II
54	ME Civil Structures	Lab Practice - II
55	ME Civil Structures	Seminar I
56	ME Civil Structures	Research Methodology
57	ME Civil Structures	Analysis of Design of Earthquake Resistant Structures
58	ME Civil Structures	Elective III
59	ME Civil Structures	Seminar II
60	ME Civil Structures	Project Stage I
61	ME Civil Structures	Seminar III
62	ME Civil Structures	Project Stage II
63	BE Electrical Engineering	Power Generation Technologies
64	BE Electrical Engineering	Engineering Mathematics-III
65	BE Electrical Engineering	Material Science
66	BE Electrical Engineering	Analog and Digital Electronics
67	BE Electrical Engineering	Electrical Measurements and Instrumentation
68	BE Electrical Engineering	Application of Mathematics in Electrical Engg.
69	BE Electrical Engineering	Soft Skill
70	BE Electrical Engineering	Audit Course -III
71	BE Electrical Engineering	Power System I
72	BE Electrical Engineering	Electrical Machines I
73	BE Electrical Engineering	Network Analysis
74	BE Electrical Engineering	Numerical Methods and Computer Programming
75	BE Electrical Engineering	Fundamentals of Microcontroller and Applications



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76	BE Electrical Engineering	Project Based Learning
77	BE Electrical Engineering	Audit Course -IV
78	BE Electrical Engineering	Industrial and Technology Management
79	BE Electrical Engineering	Advance Microcontroller and its Applications
80	BE Electrical Engineering	Electrical Machines II
81	BE Electrical Engineering	Power Electronics
82	BE Electrical Engineering	Electrical Installation, Maintenance and Testing
83	BE Electrical Engineering	Seminar & technical Communication
84	BE Electrical Engineering	Audit Course -III
85	BE Electrical Engineering	Power System II
86	BE Electrical Engineering	Control System I
87	BE Electrical Engineering	Utilization of Electrical Energy
88	BE Electrical Engineering	Design of Electrical Machines
89	BE Electrical Engineering	Energy Audit and Management
90	BE Electrical Engineering	Electrical Workshop
91	BE Electrical Engineering	Audit Course -IV
92	BE Electrical Engineering	Power System Operation and Control
93	BE Electrical Engineering	PLC and SCADA Applications
94	BE Electrical Engineering	Elective I
95	BE Electrical Engineering	Elective II
96	BE Electrical Engineering	Control System II
97	BE Electrical Engineering	Project-I
98	BE Electrical Engineering	Audit Course -V
99	BE Electrical Engineering	Switchgear and Protection
100	BE Electrical Engineering	Power Electronic controlled Drives
101	BE Electrical Engineering	Elective III
102	BE Electrical Engineering	Elective IV
103	BE Electrical Engineering	Project-II
104	BE Electrical Engineering	Audit Course -VI
105	BE E&TC Engineering	Engineering Mathematics III
106	BE E&TC Engineering	Electronic Circuits
107	BE E&TC Engineering	Digital Circuits
108	BE E&TC Engineering	Electrical Circuits
109	BE E&TC Engineering	Data structures
110	BE E&TC Engineering	Electronic Circuit Lab
111	BE E&TC Engineering	Digital circuits Lab
112	BE E&TC Engineering	Electrical Circuit Lab
113	BE E&TC Engineering	Data Structures Lab
114	BE E&TC Engineering	Electronic Skill Development
115	BE E&TC Engineering	Mandatory Audit Course 3



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116	BE E&TC Engineering	Signals & Systems
117	BE E&TC Engineering	Control Systems
118	BE E&TC Engineering	Principles of Communication Systems
119	BE E&TC Engineering	Object Oriented Programming
120	BE E&TC Engineering	Signals & Control System lab
121	BE E&TC Engineering	Principle of Communication Systems lab
122	BE E&TC Engineering	Object Oriented Programming Lab
123	BE E&TC Engineering	Data Analytics Lab
124	BE E&TC Engineering	Employability Skill Development
125	BE E&TC Engineering	Project Based Learning
126	BE E&TC Engineering	Mandatory Audit Course 4
127	BE E&TC Engineering	Digital Communication
128	BE E&TC Engineering	Digital Signal Processing
129	BE E&TC Engineering	Microcontrollers
130	BE E&TC Engineering	Electromagnetics
131	BE E&TC Engineering	Mechatronics
132	BE E&TC Engineering	Signal Processing and Communications LAB
133	BE E&TC Engineering	Microcontrollers and Mechatronics Lab
134	BE E&TC Engineering	Electronics System Design
135	BE E&TC Engineering	Business Management
136	BE E&TC Engineering	Information Theory and Coding Techniques
137	BE E&TC Engineering	System Programming and Operating Systems
138	BE E&TC Engineering	Advanced Processors
139	BE E&TC Engineering	Power and ITCT Lab
140	BE E&TC Engineering	Advanced Processors and System Programming Lab
141	BE E&TC Engineering	Employability Skills and Mini Project
142	BE E&TC Engineering	Power Electronics
143	BE E&TC Engineering	VLSI Design & Technology
144	BE E&TC Engineering	Computer Networks
145	BE E&TC Engineering	Radiation & Microwave Techniques
146	BE E&TC Engineering	Elective I
147	BE E&TC Engineering	Elective II
148	BE E&TC Engineering	Lab Practice-I
149	BE E&TC Engineering	Lab Practice-II
150	BE E&TC Engineering	Project Phase I
151	BE E&TC Engineering	Mobile Communication
152	BE E&TC Engineering	Broadband Communication Systems
153	BE E&TC Engineering	Elective III
154	BE E&TC Engineering	Elective IV
155	BE E&TC Engineering	Lab Practice-III



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156	BE E&TC Engineering	Lab Practice-IV
157	BE E&TC Engineering	Project Phase II
158	BE Information Technology	Discrete Mathematics
159	BE Information Technology	Logic Design and Computer Organization
160	BE Information Technology	Data Structures and Algorithms
161	BE Information Technology	Object Oriented Programming
162	BE Information Technology	Basics of Computer Network
163	BE Information Technology	Logic Design and Computer Organization lab
164	BE Information Technology	Data Structures and Algorithms lab
165	BE Information Technology	Object Oriented Programming lab
166	BE Information Technology	Soft skill lab
167	BE Information Technology	Mandatory Audit Course 3
168	BE Information Technology	Engineering Maths-III
169	BE Information Technology	Processor Architecture
170	BE Information Technology	Database Management system
171	BE Information Technology	Computer Graphics
172	BE Information Technology	Software Engineering
173	BE Information Technology	Programming Skill Development Lab
174	BE Information Technology	Database Management system lab
175	BE Information Technology	Computer Graphics lab
176	BE Information Technology	Project Based Learning
177	BE Information Technology	Mandatory Audit Course 4
178	BE Information Technology	Theory of Computation
179	BE Information Technology	Database Management system
180	BE Information Technology	Software Engineering & Project Management
181	BE Information Technology	Operating System
182	BE Information Technology	Human-Computer Interaction
183	BE Information Technology	Software lab-I
184	BE Information Technology	Software lab-II
185	BE Information Technology	Software lab-III
186	BE Information Technology	Audit Course 3
187	BE Information Technology	Computer Network Technology
188	BE Information Technology	Systems Programming
189	BE Information Technology	Design and Analysis of Algorithms
190	BE Information Technology	Cloud Computing
191	BE Information Technology	Data Science & Big Data Analytics
192	BE Information Technology	Software lab-IV
193	BE Information Technology	Software lab-V
194	BE Information Technology	Software lab-VI
195	BE Information Technology	Project based seminar



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196	BE Information Technology	Audit Course 4
197	BE Information Technology	Information and Cyber Security
198	BE Information Technology	Modeling learning and Applications
199	BE Information Technology	Software Design and Modeling
200	BE Information Technology	Elective – I
201	BE Information Technology	Elective – II
202	BE Information Technology	Computer lab- VII
203	BE Information Technology	Computer lab- VIII
204	BE Information Technology	Project Phase I
205	BE Information Technology	Audit Course -V
206	BE Information Technology	Distributed Computing System
207	BE Information Technology	Ubiquitous Computing
208	BE Information Technology	Elective – III
209	BE Information Technology	Elective – IV
210	BE Information Technology	Computer lab- IX
211	BE Information Technology	Computer lab- X
212	BE Information Technology	Project Work
213	BE Information Technology	Audit Course -VI
214	B E Mechanical	Solid Mechanics
215	B E Mechanical	Solid Modeling and Drafting
216	B E Mechanical	Engineering Thermodynamics
217	B E Mechanical	Engineering Materials and Metallurgy
218	B E Mechanical	Electrical and Electronics Engineering
219	B E Mechanical	Geometric Dimensioning and Tolerancing Lab
220	B E Mechanical	Audit Course-III
221	B E Mechanical	Engineering Mathematics - III
222	B E Mechanical	Kinematics of Machinery
223	B E Mechanical	Applied Thermodynamics
224	B E Mechanical	Fluid Mechanics
225	B E Mechanical	Manufacturing Processes
226	B E Mechanical	Machine Shop
227	B E Mechanical	Project Based Learning - II
228	B E Mechanical	Audit Course - IV
229	B E Mechanical	Design of Machine Elements – I
230	B E Mechanical	Heat Transfer
231	B E Mechanical	Theory of Machines-II
232	B E Mechanical	Turbo Machines
233	B E Mechanical	Metrology and Quality Control
234	B E Mechanical	Skill Development
235	B E Mechanical	Numerical Methods and Optimization



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236	B E Mechanical	Design of Machine Elements -II
237	B E Mechanical	Refrigeration and Air Conditioning
238	B E Mechanical	Mechatronics
239	B E Mechanical	Manufacturing Process-II
240	B E Mechanical	Machine Shop -II
241	B E Mechanical	Seminar
242	B E Mechanical	Audit Course*
243	B E Mechanical	Hydraulics and Pneumatics
244	B E Mechanical	CAD/ CAM Automation
245	B E Mechanical	Dynamics of Machinery
246	B E Mechanical	Elective-I
247	B E Mechanical	Elective -II
248	B E Mechanical	Project -I
249	B E Mechanical	Energy Engineering
250	B E Mechanical	Mechanical System Design
251	B E Mechanical	Elective-III
252	B E Mechanical	Elective- IV
253	B E Mechanical	Project - II
254	M E Mechanical	Advanced Mathematic
255	M E Mechanical	Material Science and Mechanical Behavior of Materials
256	M E Mechanical	Advanced Stress Analysis
257	M E Mechanical	Research Methodology
258	M E Mechanical	Elective I**
259	M E Mechanical	Lab Practice I
260	M E Mechanical	Analysis and Synthesis of Mechanisms
261	M E Mechanical	Advanced Mechanical Vibrations
262	M E Mechanical	Finite Element Method
263	M E Mechanical	Elective II
264	M E Mechanical	Lab Practice II
265	M E Mechanical	Seminar I
266	M E Mechanical	Optimization Techniques
267	M E Mechanical	Mechanical Measurement & Control
268	M E Mechanical	Elective III
269	M E Mechanical	Seminar II
270	M E Mechanical	Project Stage I
271	M E Mechanical	Seminar III
272	M E Mechanical	Project Stage II
273	FE Common	Engineering Mathematics-I
274	FE Common	Engineering Physics / Engineering Chemistry
275	FE Common	Systems in Mechanical Engineering



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276	FE Common	Basic Electrical Engineering / Basic Electronics Engineering
277	FE Common	Programming and Problem Solving / Engineering Mechanics
278	FE Common	Workshop
279	FE Common	Audit Course 1
280	FE Common	Engineering Mathematics-II
281	FE Common	Engineering Physics/ Engineering Chemistry
282	FE Common	Basic Electrical Engineering / Basic Electronics Engineering
283	FE Common	Programming and Problem Solving / Engineering Mechanics
284	FE Common	Engineering Graphics
285	FE Common	Project Based Learning
286	FE Common	Audit Course- 2




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