

CRITERION 1

CURRICULAR ASPECTS

1.3: Curriculum Enrichment

List of Courses Including Experiential Learning 2018-19

S N	Program Code	Total Courses that Include in experienced learning through projects/internships/Field Works in the Year 2018-19	Course Code
1	0	PRINCIPLES OF MANAGEMENT	MB1611
2	0	MANAGERIAL ECONOMICS	MB1612
3	0	ACCOUNTING FOR MANAGERS	MB1613
4	0	MANAGERIAL COMMUNICATIONS & SOFT SKILLS	MB1614
5	0	BUSINESS ENVIRONMENT	MB1615
6	0	QUANTITATIVE ANALYSIS FOR BUSINESS DECISION	MB1616
7	0	IT - LAB	MB1617
8	0	FINANCIAL MANAGEMENT	MB1621
9	0	HUMAN RESOURCE MANAGEMENT	MB1622
10	0	MARKETING MANAGEMENT	MB1623
11	0	PRODUCTION AND OPERATIONS MANAGEMENT	MB1624
12	0	BUSINESS RESEARCH METHODS	MB1625
13	0	ORGANIZATIONAL BEHAVIOR	MB1626
14	0	MINI PROJECT	MB1627
15	0	SEMINAR ON MINI PROJECT	MB1628
16	0	STRATEGIC MANAGEMENT	MB1631
17	0	LEGAL ASPECTS OF BUSINESS	MB1632
18	0	BUSINESS ETHICS & CORPORATE GOVERNANCE	MB1633
19	0	LEADERSHIP MANAGEMENT (HR) E-I	MB1634
20	0	SECURITY ANALYSIS & PORTFOLIO MANAGEMENT (FINANCE) E-I	MB1635
21	0	COMPENSATION AND REWARD MANAGEMENT (HR) E-II	MB1638
22	0	BANKING AND INSURANCE MANAGEMENT (FINANCE) E-II	MB1639
23	0	PERFORMANCE MANAGEMENT (HR) E-III	MB163C
24	0	ADVANCE MANAGEMENT ACCOUNTING (FINANCE) E-III	MB163D
25	0	STRATEGIC HUMAN RESOURCE MANAGEMENT (HR) E-IV	MB163G
26	0	STRATEGIC FINANCIAL MANAGEMENT (FINANCE) E-IV	MB163H
27	0	LOGISTIC AND SUPPLY CHAIN MANAGEMENT	MB1641
28	0	ENTREPRENEURSHIP DEVELOPMENT	MB1642
29	0	ORGANIZATIONAL DEVELOPMENT & CHANGE MANAGEMENT (HR) E-V	MB1643
30	0	FINANCIAL MARKETS AND SERVICES (FINANCE) E-V	MB1644
31	0	GLOBAL HRM (HR) E-VI	MB1647

32	0	GLOBAL FINANCIAL MANAGEMENT (FINANCE) E-VI	MB1648
33	0	LABOR WELFARE & LEGISLATION (HR) E-VII	MB164B
34	0	RISK MANAGEMENT (FINANCE) E-VII	MB164C
35	0	MANAGEMENT OF INDUSTRIAL RELATIONS (HR) E-VIII	MB164F
36	0	TAX MANAGEMENT (FINANCE) E-VIII	MB164G
37	0	MAJOR PROJECT & COMPREHENSIVE VIVA	MB164J
38	1	English-I	R161101
39	1	Mathematics-I	R161102
40	1	English-Communication skills Lab-I	R161114
41	1	Engineering/Applied Chemistry Laboratory	R161118
42	1	C Programming Lab	R161119
43	1	English-II	R161201
44	1	Mathematics-II (Mathematical Methods)	R161202
45	1	Mathematics - III	R161203
46	1	Engineering Physics	R161204
47	1	Engineering Drawing	R161206
48	1	English - Communication Skills Lab - II	R161221
49	1	Engineering / Applied Physics Lab	R161222
50	1	Engg. Workshop & IT Workshop	R161224
51	1	Elements of Mechanical Engineering	R161232
52	1	PROBABILITY AND STATISTICS	R1621011
53	1	BASIC ELECTRICAL & ELECTRONICS ENGINEERING	R1621012
54	1	STRENGTH OF MATERIALS-I	R1621013
55	1	BUILDING MATERIALS & CONSTRUCTION	R1621014
56	1	SURVEYING	R1621015
57	1	FLUID MECHANICS	R1621016
58	1	SURVEY FIELD WORK - I	R1621017
59	1	STRENGTH OF MATERIALS LAB	R1621018
60	1	Building Planning & Drawing	R1622011
61	1	Strength of Materials - II	R1622012
62	1	Hydraulics & Hydraulic Machinery	R1622013
63	1	Concrete Technology	R1622014
64	1	Structural Analysis - I	R1622015
65	1	Transportation Engineering - I	R1622016
66	1	FM & HM Lab	R1622017
67	1	Survey Field Work - II	R1622018
68	1	Engineering Geology	R1631012
69	1	Structural Analysis -II	R1631013
70	1	Design & Drawing of Reinforced Concrete Structures	R1631014

71	1	Transportation Engineering - II	R1631015
72	1	Concrete Technology Lab	R1631016
73	1	Geology Lab	R1631017
74	1	Transportation Engineering Lab	R1631018
75	1	Design & Drawing of Steel Structures	R1632011
76	1	Geotechnical Engineering - I	R1632012
77	1	Environmental Engineering -I	R1632013
78	1	Water Resource Engineering -I	R1632014
79	1	WASTE WATER MANAMENT (OPEN ELECTIVE)	R1632015D
80	1	Geotechnical Engineering Lab	R1632016
81	1	Environmental Engineering Lab	R1632017
82	1	Computer Aided Engineering Lab	R1632018
83	1	Environmental Enineering-II	R1641011
84	1	Water Resources Engineering - II	R1641012
85	1	Geotechnical Engineering-II	R1641013
86	1	Remote Sensing and GIS Applications	R1641014
87	1	GIS & CAD Lab	R1641017
88	1	irrigation Design & Drawing	R1641015 R1641018
89	1	Ground Improvement Techniques	R164101B
90	1	Environmental Impact Assessment & Management	R164101H
91	1	Estimation Specification & Contracts	R1642011
92	1	Construction Technology & Management	R1642012
93	1	Prestressed Concrete	R1642013
94	1	Bridge Engineering	R164201A
95	1	Soil Dynamics and Foundations	R164201B
96	1	Solid and Hazardous Waste Management	R164201C
97	1	Water Resources Systems Planning	R164201D
98	1	Urban Transportation Planning Engg	R164201E
99	1	Seminar on Internship Project	R1642015
100	1	Project	R1642016
101	2	English-I	R161101
102	2	Mathematics-I	R161102
103	2	Computer Programming	R161107
104	2	Engineering Mechanics	R161111
105	2	English-Communication skills Lab-I	R161114
106	2	C Programming Lab	R161119
107	2	English-II	R161201
108	2	Mathematics-II (Mathematical Methods)	R161202
109	2	Mathematics - III	R161203

110	2	Electrical Circuit Analysis - I	R161208
111	2	English - Communication Skills Lab - II	R161221
112	2	Engg. Workshop & IT Workshop	R161224
113	2	ELECTRICAL CIRCUIT ANALYSIS - II	R1621021
114	2	ELECTRICAL MACHINES-I	R1621022
115	2	BASIC ELECTRONICS AND DEVICES	R1621023
116	2	ELECTRO MAGNETIC FIELDS	R1621024
117	2	ELECTRICAL CIRCUITS LABORATORY	R1621028
118	2	Electrical Measurements	R1622021
119	2	Electrical Machines-II	R1622022
120	2	Switching Theory and Logic Design	R1622023
121	2	Control Systems	R1622024
122	2	Power Systems-I	R1622025
123	2	Electrical Machines -I Laboratory	R1622027
124	2	Electronic Devices & Circuits Laboratory	R1622028
125	2	Power Systems-II	R1631021
126	2	Renewable Energy Sources	R1631022
127	2	Signals and Systems	R1631023
128	2	Pulse & Digital Circuits	R1631024
129	2	Power Electronics	R1631025
130	2	Electrical Machines-II Laboratory	R1631026
131	2	Control Systems Laboratory	R1631027
132	2	Electrical Measurements Laboratory	R1631028
133	2	Power Electronic Controllers & Drives	R1632021
134	2	Power System Analysis	R1632022
135	2	Micro Processors and Micro controllers	R1632023
136	2	Power Electronics Laboratory	R1632026
137	2	Microprocessors & Microcontrollers Laboratory	R1632027
138	2	Utilization of Electrical Energy	R1641021
139	2	Linear IC Application	R1641022
140	2	Power System Operation & Control	R1641023
141	2	Switchgear and Protection	R1641024
142	2	Electrical Simulation Laboratory	R1641027
143	2	Power Systems & Simulation Laboratory	R1641028
144	2	Instrumentation	R164102D
145	2	Special Electrical Machines	R164102G
146	2	Electrical Distribution Systems	R1642023
147	2	Seminar	R1642025
148	2	Project	R1642026

149	4	English-I	R161101
150	4	Mathematics-I	R161102
151	4	Computer Programming	R161107
152	4	Mathematics-II (Numerical Methods and Complex variables)	R161110
153	4	English-Communication skills Lab-I	R161114
154	4	Engineering Workshop & IT Workshop	R161117
155	4	English-II	R161201
156	4	Mathematics - III	R161203
157	4	Electrical and Mechanical Technology	R161214
158	4	English - Communication Skills Lab - II	R161221
159	4	Computer Programming Lab	R161228
160	4	ELECTRONIC DEVICES AND CIRCUITS	R1621041
161	4	SWITCHING THEORY AND LOGIC DESIGN	R1621042
162	4	SIGNALS AND SYSTEMS	R1621043
163	4	NETWORK ANALYSIS	R1621044
164	4	ELECTRONIC DEVICES AND CIRCUITS LAB	R1621046
165	4	NETWORKS & ELECTRICAL TECHNOLOGY LAB	R1621047
166	4	Electronic Circuit Analysis	R1622041
167	4	Control Systems	R1622042
168	4	Electromagnetic Waves and Transmission Lines	R1622043
169	4	Analog Communications	R1622044
170	4	Pulse and Digital Circuits	R1622045
171	4	Electronic Circuit Analysis Lab	R1622046
172	4	Analog Communications Lab	R1622047
173	4	Computer Architecture and Organization (Common to ECE EIE)	R1631041
174	4	Linear I C Applications (Common to ECE EIE)	R1631042
175	4	Digital I C Applications (Common to ECE EIE)	R1631043
176	4	Digital Communications (SAME AS 3-2 R13)	R1631044
177	4	Antenna and Wave Propagation (SAME AS 3-1 R13)	R1631045
178	4	Pulse and Digital Circuits Lab	R1631046
179	4	Linear I C Applications Lab	R1631047
180	4	Digital I C Applications Lab	R1631048
181	4	MICROPROCESSORS AND MICROCONTROLLERS	R1632041
182	4	MICROWAVE ENGINEERING	R1632042
183	4	VLSI DESIGN	R1632043
184	4	DIGITAL SIGNAL PROCESSING	R1632044
185	4	MICROPROCESSORS AND MICROCONTROLLERS LAB	R1632046
186	4	VLSI LAB	R1632047
187	4	DIGITAL COMMUNICATIONS LAB	R1632048

188	4	Radar Systems	R1641041
189	4	Digital Image Processing	R1641042
190	4	Computer Networks	R1641043
191	4	Optical Communications	R1641044
192	4	Electrical Switching Systems	R164104B
193	4	Embedded Systems	R164104D
194	4	Microwave Engineering & Optical Communications	R1641047
195	4	Digital Signal Processing Lab	R1641048
196	4	Cellular Mobile Communications	R1642041
197	4	Electronic Measurements and Instrumentation	R1642042
198	4	Satellite Communications	R1642043
199	4	Wireless Sensors & Networks (Common to ECE & E.Comp.E)	R164204A
200	4	Digital IC Design(Common to ECE & E.I.E)	R164204B
201	4	Seminar	R1642045
202	4	Project	R1642046
203	5	English-I	R161101
204	5	Mathematics-I	R161102
205	5	Computer Programming	R161107
206	5	Mathematics-II (Mathematical Methods)	R161109
207	5	English-Communication skills Lab-I	R161114
208	5	C Programming Lab	R161119
209	5	English-II	R161201
210	5	Mathematics - III	R161203
211	5	Object Oriented Programming through C++	R161215
212	5	English - Communication Skills Lab - II	R161221
213	5	Object Oriented Programming Lab	R161229
214	5	STATISTICS WITH R PROGRAMMING	R1621051
215	5	MATHEMATICAL FOUNDATIONS OF COMPUTER SCIENCE	R1621052
216	5	DIGITAL LOGIC DESIGN	R1621053
217	5	PYTHON PROGRAMMING	R1621054
218	5	DATA STRUCTURES THROUGH C++	R1621055
219	5	COMPUTER GRAPHICS	R1621056
220	5	DATA STRUCTURES THROUGH C++ LAB	R1621057
221	5	PYTHON PROGRAMMING LAB	R1621058
222	5	Software Engineering	R1622051
223	5	Java Programming	R1622052
224	5	Advanced Data Structures	R1622053
225	5	Computer Organization	R1622054
226	5	Formal Languages and Automata Theory	R1622055

227	5	Principles of Programming Languages	R1622056
228	5	Advanced Data Structures Lab	R1622057
229	5	Java Programming Lab	R1622058
230	5	Compiler Design	R1631051
231	5	Unix Programming (Common to CSE- IT)	R1631052
232	5	Object Oriented Analysis and Design using UML	R1631053
233	5	Database Management Systems (Common to CSE- IT)	R1631054
234	5	Operating Systems (Common to CSE- IT)	R1631055
235	5	Unified Modeling Lab	R1631056
236	5	Operating System & Linux Programming Lab	R1631057
237	5	Database Management System Lab	R1631058
238	5	COMPUTER NETWORKS	R1632051
239	5	DATA WARE HOUSING AND MINING	R1632052
240	5	DESIGN AND ANALYSIS OF ALGORITHMS	R1632053
241	5	SOFTWARE TESTING METHODOLOGIES	R1632054
242	5	CYBER SECURITY (OPEN ELECTIVE)	R163205C
243	5	NETWORKS PROGRAMMING LAB	R1632056
244	5	SOFTWARE TESTING LAB	R1632057
245	5	DATA WARE HOUSING AND MINING LAB	R1632058
246	5	Cryptography and Network Security	R1641051
247	5	Software Architecture & Design Patterns	R1641052
248	5	Web Technologies	R1641053
249	5	Big Data Analytics	R164105A
250	5	Software Project Management	R164105E
251	5	Software Architecture& Design Patterns Lab	R1641057
252	5	Web Technologies Lab	R1641058
253	5	Distributed Systems (Common to CSE IT)	R1642051
254	5	Machine Learning	R1642053
255	5	Artificial Neural Networks(Common to CSE IT)	R164205B
256	5	Operation Research	R164205C
257	5	Seminar	R1642055
258	5	Project	R1642056
259	5	Concurrent and Parallel Programming (Common to CSE IT)	R164205A
260	42	ELECTRICAL MACHINE MODELING & ANALYSIS	I4301
261	42	ANALYSIS OF POWER ELECTRONIC CONVERTERS	I4302
262	42	POWER ELECTRONIC CONTROL OF DC DRIVES	I4303
263	42	FLEXIBLE AC TRANSMISSION SYSTEMS	I4304
264	42	POWER QUALITY	I4305
265	42	SIMULATION LAB	I4309

266	42	HVDC TRANSMISSION	I5602
267	42	SWITCHED MODE POWER CONVERSION	J4301
268	42	POWER ELECTRONIC CONTROL OF AC DRIVES	J4302
269	42	DIGITAL CONTROLLERS	J4303
270	42	CUSTOM POWER DEVICES	J4304
271	42	ELECTRICAL DISTRIBUTION SYSTEMS ELECTIVEIII	J4307
272	42	SPECIAL MACHINES ELECTIVEIV	J4308
273	42	POWER CONVERTERS & DRIVES LABORATORY	J4310
274	45	CODING THEORY AND APPLICATIONS	I4501
275	45	TRANSFORM TECHNIQUES	I4502
276	45	ADVANCED DIGITAL SIGNAL PROCESSING	I4503
277	45	DIGITAL DATA COMMUNICATIONS	I4504
278	45	STATISTICAL SIGNAL PROCESSING ELECTIVE 1	I4505
279	45	SPEECH PROCESSING ELECTIVE 2	I4507
280	45	SIGNAL PROCESSING LABORATORY	I4509
281	45	ADAPTIVE SIGNAL PROCESSING	J4501
282	45	IMAGE AND VIDEO PROCESSING	J4502
283	45	DETECTION AND ESTIMATION THEORY	J4503
284	45	WIRELESS COMMUNICATIONS AND NETWORKS ELECTIVEIV	J4508
285	45	ADVANCED SIGNAL PROCESSING LABORATORY	J4509
286	45	EMBEDDED SYSTEM DESIGN ELECTIVEIII	J6801
287	45	DSP PROCESSORS AND ARCHITECTURES	J6805
288	58	ADVANCED OPERATING SYSTEMS	I0504
289	58	ADVANCED DATA STRUCTURES AND ALGORITHM ANALYSIS	I4001
290	58	MATHEMATICAL FOUNDATIONS OF COMPUTER SCIENCE	I5801
291	58	COMPUTER ORGANIZATION AND ARCHITECTURE	I5802
292	58	DATABASE MANAGEMENT SYSTEMS	I5803
293	58	DATA WAREHOUSING AND DATA MINING	I0505
294	58	CSE LAB 1	I5805
295	58	SOFTWARE ENGINEERING ELECTIVE I	J0502
296	58	CYBER SECURITY	J2503
297	58	CLOUD COMPUTING ELECTIVE II	J2510
298	58	ADVANCED UNIX PROGRAMMING	J4001
299	58	BIG DATA ANALYTICS	J4002
300	58	COMPUTER NETWORKS	J5801
301	58	CSE LAB 2	J5803