

CRITERION 1

CURRICULAR ASPECTS

1.3: Curriculum Enrichment

List of Courses Including Experiential Learning 2020-21

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	BCSS LAB	MB1918
2.	0	MANAGEMENT AND ORGANIZATIONAL BEHAVIOR	MB1911
3.	0	MANAGERIAL ECONOMICS	MB1912
4.	0	ACCOUNTING FOR MANAGERS	MB1913
5.	0	QUANTITATIVE ANALYSIS FOR BUSINESS DECISIONS	MB1914
6.	0	LEGAL AND BUSINESS ENVIRONMENT	MB1915
7.	0	BUSINESS COMMUNICATION AND SOFT SKILLS	MB1916
8.	0	IT -1 LAB	MB1917
9.	0	Financial Management	MB1921
10.	0	Human Resource Management	MB1922
11.	0	Marketing Management	MB1923
12.	0	Operations Management	MB1924
13.	0	Business Research Methods	MB1925
14.	0	IT L -2 (PROGRAMMING R)	MB1926
15.	0	Project Management	MB192A
16.	0	Database Management System	MB192D
17.	0	STRATEGIC MANAGEMENT	MB1931
18.	0	OPERATIONS RESEARCH	MB1932
19.	0	INDUSTRIAL PROJECT BASED ON SUMMER INTERNSHIP	MB1933
20.	0	LEADERSHIP AND CHANGE MANAGEMENT - (HR) E14	MB193A1
21.	0	PERFORMANCE EVALUATION AND COMPENSATION MANAGEMENT - (HR) E14	MB193A2
22.	0	HUMAN RESOURCE METRICS AND ANALYTICS - (HR) E14	MB193A3
23.	0	HUMAN CAPITAL MANAGEMENT - (HR) E14	MB193A4
24.	0	MANPOWER PLANNING, RECRUITMENT, AND SELECTION - (HR) E14	MB193A5
25.	0	INVESTMENT ANALYSIS AND PORTFOLIO MANAGEMENT - (FINANCE) E14	MB193B1
26.	0	MANAGING BANKS AND FINANCIAL INSTITUTION S - (FINANCE) E14	MB193B2
27.	0	FINANCIAL MARKETS AND SERVICES - (FINANCE) E14	MB193B3
28.	0	MERGERS, ACQUISITIONS AND CORPORATE RESTRUCTURING - (FINANCE) E14	MB193B4
29.	0	TAXATION - (FINANCE) E14	MB193B5
30.	0	CONSUMER BEHAVIOR - (MARKETING) E14	MB193C1
31.	0	RETAIL MANAGEMENT - (MARKETING) E14	MB193C2
32.	0	CUSTOMER RELATIONSHIP MANAGEMENT - (MARKETING) E14	MB193C3
33.	0	STRATEGIC MARKETING MANAGEMENT - (MARKETING) E14	MB193C4

34.	0	DIGITAL AND SOCIAL MEDIA MARKETING - (MARKETING) E14	MB193C5
35.	0	SUPPLY CHAIN MANAGEMENT AND ANALYTICS	MB1941
36.	0	INNOVATION AND ENTREPRENEURSHIP	MB1942
37.	0	COMPREHENSIVE VIVA - VOICE	MB1943
38.	0	LABOR WELFARE AND EMPLOYMENT LAWS -HR(E14)	MB194A1
39.	0	INTERNATIONAL HRM-HR (E14)	MB194A2
40.	0	EMPLOYEE RELATIONS AND ENGAGEMENT -HR (E14)	MB194A3
41.	0	HUMAN RESOURCES DEVELOPMENT -HR (E14)	MB194A4
42.	0	STRATEGIC HRM -HR(E14)	MB194A5
43.	0	FINANCIAL DERIVATIVES-FINANCE(E14)	MB194B1
44.	0	GLOBAL FINANCIAL MANAGEMENT-FINANCE(E14)	MB194B2
45.	0	FINANCIAL RISK MANAGEMENT-FINANCE(E14)	MB194B3
46.	0	STRATEGIC FINANCIAL MANAGEMENT-FINANCE(E14)	MB194B4
47.	0	BEHAVIORAL FINANCE -FINANCE(E14)	MB194B5
48.	1	MATHEMATICS-I	R201101
49.	1	COMMUNICATIVE ENGLISH	R201102
50.	1	ENGINEERING PHYSICS	R201103
51.	1	ENGINEERING DRAWING	R201104
52.	1	ENGINEERING GEOLOGY (INTEGRATED) (THEORY & LAB)	R201105
53.	1	ENGLISH COMMUNICATION SKILLS LABORATORY	R201106
54.	1	ENGINEERING PHYSICS LAB	R201107
55.	1	BASICS OF CIVIL ENGG. WORK SHOP (LAB)	R201108
56.	1	Mathematics-II	R201201
57.	1	Engineering Chemistry	R201202
58.	1	Engineering Mechanics	R201203
59.	1	Programming for Problem Solving Using C	R201204
60.	1	Building Materials and Concrete Technology	R201205
61.	1	Engineering Chemistry Laboratory	R201231
62.	1	Programming for problem Solving Using C Laboratory	R201232
63.	1	Building Planning and Computer Aided Building Drawing	R201252
64.	1	Strength of Materials-I	R1921012
65.	1	Fluid Mechanics	R1921013
66.	1	Surveying and Geometrics	R1921014
67.	1	Building Materials, Construction and Planning	R1921015
68.	1	Transportation Engineering-I	R1921016
69.	1	Strength of Materials Lab	R1921017
70.	1	Surveying Field Work - I	R1921018
71.	1	STRENGTH OF MATERIALS-II	R1922011
72.	1	HYDRAULICS AND HYDRAULIC MACHINERY	R1922012
73.	1	ENGINEERING GEOLOGY	R1922013
74.	1	TRANSPORTATION ENGINEERING-II	R1922014
75.	1	ENVIRONMENTAL ENGINEERING-I	R1922015
76.	1	ENGINEERING GEOLOGY LAB	R1922016
77.	1	TRANSPORTATION ENGINEERING LAB	R1922017
78.	1	FLUID MECHANICS & HYDRAULICS MACHINERY LAB	R1922018

79.	1	Engineering Geology	R1631012
80.	1	Structural Analysis -II	R1631013
81.	1	Design & Drawing of Reinforced Concrete Structures	R1631014
82.	1	Transportation Engineering - II	R1631015
83.	1	Concrete Technology Lab	R1631016
84.	1	Geology Lab	R1631017
85.	1	Transportation Engineering Lab	R1631018
86.	1	Design & Drawing of Steel Structures	R1632011
87.	1	Geotechnical Engineering - I	R1632012
88.	1	Environmental Engineering -I	R1632013
89.	1	Water Resource Engineering -I	R1632014
90.	1	WASTE WATER MANAMENT (OPEN ELECTIVE)	R1632015D
91.	1	Geotechnical Engineering Lab	R1632016
92.	1	Environmental Engineering Lab	R1632017
93.	1	Computer Aided Engineering Lab	R1632018
94.	1	Environmental Eneering-II	R1641011
95.	1	Water Resources Engineering - II	R1641012
96.	1	Geotechnical Engineering-II	R1641013
97.	1	Remote Sensing and GIS Applications	R1641014
98.	1	GIS & CAD Lab	R1641017
99.	1	irrigation Design & Drawing	R1641015 R1641018
100.	1	Ground Improvement Techniques	R164101B
101.	1	Environmental Impact Assessment & Management	R164101H
102.	1	Estimation Specification & Contracts	R1642011
103.	1	Construction Technology & Management	R1642012
104.	1	Prestressed Concrete	R1642013
105.	1	Bridge Engineering	R164201A
106.	1	Soil Dynamics and Foundations	R164201B
107.	1	Solid and Hazardous Waste Management	R164201C
108.	1	Water Resources Systems Planning	R164201D
109.	1	Urban Transportation Planning Engg	R164201E
110.	1	Seminar on Internship Project	R1642015
111.	1	Project	R1642016
112.	2	MATHEMATICS - I	R201101
113.	2	COMMUNICATIVE ENGLISH	R201102
114.	2	ENGLISH COMMUNICATION SKILLS LABORATORY	R201106
115.	2	MATHEMATICS - II	R201109
116.	2	PROGRAMMING FOR PROBLEM SOLVING USING C	R201110
117.	2	ENGINEERING DRAWING & DESIGN	R201111
118.	2	ELECTRICAL ENGINEERING WORKSHOP	R201112
119.	2	PROGRAMMING FOR PROBLEM SOLVING USING C LAB	R201113
120.	2	Mathematics-III	R201206
121.	2	Applied Physics	R201207
122.	2	Data Structures Through C	R201208
123.	2	Electrical Circuit Analysis-I	R201209

124.	2	Basic Civil and Mechanical Engineering	R201227
125.	2	Applied Physics Laboratory	R201233
126.	2	Data Structures Through C Laboratory	R201234
127.	2	Basic Civil and Mechanical Engineering Laboratory	R201251
128.	2	Electrical Circuit Analysis - II	R1921021
129.	2	Electrical Machines-I	R1921022
130.	2	Electronic Devices and Circuits	R1921023
131.	2	Electro Magnetic Fields	R1921024
132.	2	Electrical Circuits Laboratory	R1921028
133.	2	ELECTRICAL MEASUREMENTS & INSTRUMENTATION	R1922021
134.	2	ELECTRICAL MACHINES-II	R1922022
135.	2	DIGITAL ELECTRONICS	R1922023
136.	2	CONTROL SYSTEMS	R1922024
137.	2	POWER SYSTEMS-I	R1922025
138.	2	SIGNALS AND SYSTEMS	R1922026
139.	2	ELECTRICAL MACHINES-I LABORATORY	R1922027
140.	2	ELECTRONIC DEVICES & CIRCUITS LABORATORY	R1922028
141.	2	Power Systems-II	R1631021
142.	2	Renewable Energy Sources	R1631022
143.	2	Signals and Systems	R1631023
144.	2	Pulse & Digital Circuits	R1631024
145.	2	Power Electronics	R1631025
146.	2	Electrical Machines-II Laboratory	R1631026
147.	2	Control Systems Laboratory	R1631027
148.	2	Electrical Measurements Laboratory	R1631028
149.	2	Power Electronic Controllers & Drives	R1632021
150.	2	Power System Analysis	R1632022
151.	2	Micro Processors and Micro controllers	R1632023
152.	2	Power Electronics Laboratory	R1632026
153.	2	Microprocessors & Microcontrollers Laboratory	R1632027
154.	2	Utilization of Electrical Energy	R1641021
155.	2	Linear IC Application	R1641022
156.	2	Power System Operation & Control	R1641023
157.	2	Switchgear and Protection	R1641024
158.	2	Electrical Simulation Laboratory	R1641027
159.	2	Power Systems & Simulation Laboratory	R1641028
160.	2	Instrumentation	R164102D
161.	2	Special Electrical Machines	R164102G
162.	2	Electrical Distribution Systems	R1642023
163.	2	Seminar	R1642025
164.	2	Project	R1642026
165.	4	MATHEMATICS - I	R201101
166.	4	COMMUNICATIVE ENGLISH	R201102
167.	4	ENGINEERING DRAWING	R201104
168.	4	ENGLISH COMMUNICATION SKILLS LABORATORY	R201106

169.	4	PROGRAMMING FOR PROBLEM SOLVING USING C	R201110
170.	4	PROGRAMMING FOR PROBLEM SOLVING USING C LAB	R201113
171.	4	APPLIED CHEMISTRY	R201115
172.	4	APPLIED CHEMISTRY LAB	R201116
173.	4	Mathematics-II	R201201
174.	4	Applied Physics	R201207
175.	4	Object Oriented Programming through Java	R201212
176.	4	Network Analysis	R201213
177.	4	Basic Electrical Engineering	R201214
178.	4	Applied Physics Laboratory	R201233
179.	4	Electronic workshop Laboratory	R201237
180.	4	Basic Electrical Engineering Laboratory	R201238
181.	4	Electronic Devices and Circuits	R1921041
182.	4	Switching Theory and Logic Design	R1921042
183.	4	Signals and Systems	R1921043
184.	4	Random Variables and Stochastic Processes	R1921044
185.	4	Object Oriented Programming through Java	R1921045
186.	4	Electronic Devices and Circuits - Lab	R1921046
187.	4	Switching Theory and Logic Design - Lab	R1921047
188.	4	ELECTRONIC CIRCUIT ANALYSIS	R1922041
189.	4	LINEAR CONTROL SYSTEMS	R1922042
190.	4	ELECTROMAGNETIC WAVES AND TRANSMISSION LINES	R1922043
191.	4	ANALOG COMMUNICATIONS	R1922044
192.	4	COMPUTER ARCHITECTURE AND ORGANIZATION	R1922045
193.	4	MANAGEMENT AND ORGANIZATIONAL BEHAVIOR	R1922046
194.	4	ELECTRONIC CIRCUIT ANALYSIS-LAB	R1922047
195.	4	ANALOG COMMUNICATIONS-LAB	R1922048
196.	4	Computer Architecture and Organization (Common to ECE EIE)	R1631041
197.	4	Linear I C Applications (Common to ECE EIE)	R1631042
198.	4	Digital I C Applications (Common to ECE EIE)	R1631043
199.	4	Digital Communications (SAME AS 3-2 R13)	R1631044
200.	4	Antenna and Wave Propagation (SAME AS 3-1 R13)	R1631045
201.	4	Pulse and Digital Circuits Lab	R1631046
202.	4	Linear I C Applications Lab	R1631047
203.	4	Digital I C Applications Lab	R1631048
204.	4	MICROPROCESSORS AND MICROCONTROLLERS	R1632041
205.	4	MICROWAVE ENGINEERING	R1632042
206.	4	VLSI DESIGN	R1632043
207.	4	DIGITAL SIGNAL PROCESSING	R1632044
208.	4	MICROPROCESSORS AND MICROCONTROLLERS LAB	R1632046
209.	4	VLSI LAB	R1632047
210.	4	DIGITAL COMMUNICATIONS LAB	R1632048
211.	4	Radar Systems	R1641041
212.	4	Digital Image Processing	R1641042
213.	4	Computer Networks	R1641043

214.	4	Optical Communications	R1641044
215.	4	Electrical Switching Systems	R164104B
216.	4	Embedded Systems	R164104D
217.	4	Microwave Engineering & Optical Communications	R1641047
218.	4	Digital Signal Processing Lab	R1641048
219.	4	Cellular Mobile Communications	R1642041
220.	4	Electronic Measurements and Instrumentation	R1642042
221.	4	Satellite Communications	R1642043
222.	4	Wireless Sensors & Networks (Common to ECE & E.Comp.E)	R164204A
223.	4	Digital IC Design(Common to ECE & E.I.E)	R164204B
224.	4	Seminar	R1642045
225.	4	Project	R1642046
226.	5	MATHEMATICS - I	R201101
227.	5	COMMUNICATIVE ENGLISH	R201102
228.	5	ENGLISH COMMUNICATION SKILLS LABORATORY	R201106
229.	5	PROGRAMMING FOR PROBLEM SOLVING USING C	R201110
230.	5	PROGRAMMING FOR PROBLEM SOLVING USING C LAB	R201113
231.	5	APPLIED PHYSICS	R201117
232.	5	COMPUTER ENGINEERING WORKSHOP	R201118
233.	5	APPLIED PHYSICS LAB	R201119
234.	5	Mathematics-II	R201201
235.	5	Applied Chemistry	R201215
236.	5	Computer Organization	R201216
237.	5	Python Programming	R201225
238.	5	Data Structures	R201218
239.	5	Applied Chemistry Laboratory	R201239
240.	5	Data Structures Laboratory	R201241
241.	5	Python Programming Laboratory	R201250
242.	5	Mathematical Foundations of Computer Science	R1921051
243.	5	Software Engineering	R1921052
244.	5	Python Programming	R1921053
245.	5	Data Structures	R1921054
246.	5	Object Oriented Programming through C++	R1921055
247.	5	Computer Organization	R1921056
248.	5	Python Programming Lab	R1921057
249.	5	Data Structures through C++ Lab	R1921058
250.	5	PROBABILITY AND STATISTICS	R1922051
251.	5	JAVA PROGRAMMING	R1922052
252.	5	OPERATING SYSTEMS	R1922053
253.	5	DATABASE MANAGEMENT SYSTEMS	R1922054
254.	5	FORMAL LANGUAGES AND AUTOMATA THEORY	R1922055
255.	5	JAVA PROGRAMMING LAB	R1922056
256.	5	UNIX OPERATING SYSTEM LAB	R1922057
257.	5	DATABASE MANAGEMENT SYSTEMS LAB	R1922058
258.	5	SOCIALLY RELEVANT PROJECT*	R1922059

259.	5	Compiler Design	R1631051
260.	5	Unix Programming (Common to CSE- IT)	R1631052
261.	5	Object Oriented Analysis and Design using UML	R1631053
262.	5	Database Management Systems (Common to CSE- IT)	R1631054
263.	5	Operating Systems (Common to CSE- IT)	R1631055
264.	5	Unified Modeling Lab	R1631056
265.	5	Operating System & Linux Programming Lab	R1631057
266.	5	Database Management System Lab	R1631058
267.	5	COMPUTER NETWORKS	R1632051
268.	5	DATA WARE HOUSING AND MINING	R1632052
269.	5	DESIGN AND ANALYSIS OF ALGORITHMS	R1632053
270.	5	SOFTWARE TESTING METHODOLOGIES	R1632054
271.	5	CYBER SECURITY (OPEN ELECTIVE)	R163205C
272.	5	NETWORKS PROGRAMMING LAB	R1632056
273.	5	SOFTWARE TESTING LAB	R1632057
274.	5	DATA WARE HOUSING AND MINING LAB	R1632058
275.	5	Cryptography and Network Security	R1641051
276.	5	Software Architecture & Design Patterns	R1641052
277.	5	Web Technologies	R1641053
278.	5	Big Data Analytics	R164105A
279.	5	Software Project Management	R164105E
280.	5	Software Architecture& Design Patterns Lab	R1641057
281.	5	Web Technologies Lab	R1641058
282.	5	Distributed Systems (Common to CSE IT)	R1642051
283.	5	Machine Learning	R1642053
284.	5	Artificial Neural Networks(Common to CSE IT)	R164205B
285.	5	Operation Research	R164205C
286.	5	Seminar	R1642055
287.	5	Project	R1642056
288.	5	Concurrent and Parallel Programming (Common to CSE IT)	R164205A
289.	42	RESEARCH METHODOLOGY AND IPR	M0109
290.	42	ELECTRICAL MACHINES MODELING AND ANALYSIS	M4301
291.	42	ANALYSIS OF POWER ELECTRONIC CONVERTERS	M4302
292.	42	POWER QUALITY AND CUSTOM POWER DEVICES (ELECTIVE-I)	M4304
293.	42	RENEWABLE ENERGY TECHNOLOGIES (ELECTIVE-II)	M4306
294.	42	POWER ELECTRONICS SIMULATION LABORATORY	M4308
295.	42	POWER CONVERTERS LABORATORY	M4309
296.	45	ADVANCED DIGITAL SIGNAL PROCESSING	M4601
297.	45	DIGITAL IMAGE AND VIDEO PROCESSING	M4602
298.	45	DSP ARCHITECTURES (ELECTIVE-I)	M4603
299.	45	STATISTICAL SIGNAL PROCESSING (ELECTIVE-I)	M4604
300.	45	COGNITIVE RADIO (ELECTIVE-I)	M4605
301.	45	ADAPTIVE SIGNAL PROCESSING (ELECTIVE-II)	M4606
302.	45	COMPUTER VISION (ELECTIVE-II)	M4501
303.	45	CODING THEORY AND APPLICATIONS (ELECTIVE-II)	M4608

304.	45	RESEARCH METHODOLOGY AND IPR	M0109
305.	45	ADVANCED DIGITAL SIGNAL PROCESSING LAB	M4502
306.	45	DIGITAL IMAGE AND VIDEO PROCESSING LAB	M4503
307.	58	RESEARCH METHODOLOGY AND IPR	M0109
308.	58	MATHEMATICAL FOUNDATIONS OF COMPUTER SCIENCE	M5801
309.	58	ADVANCED DATA STRUCTURES & ALGORITHMS	M5802
310.	58	BIG DATA ANALYTICS (ELECTIVE-I)	M5803
311.	58	DIGITAL IMAGE PROCESSING (ELECTIVE-I)	M5804
312.	58	ADVANCED OPERATING SYSTEMS (ELECTIVE-I)	M5805
313.	58	ADVANCED COMPUTER NETWORKS (ELECTIVE-II)	M5806
314.	58	INTERNET OF THINGS (ELECTIVE-II)	M5807
315.	58	OBJECT ORIENTED SOFTWARE ENGINEERING (ELECTIVE-II)	M5808
316.	58	ADVANCED DATA STRUCTURES & ALGORITHMS LAB	M5809
317.	58	ADVANCED COMPUTING LAB	M5810