

1.2.1 Details of courses introduced across all programmes offered during the year

S.No	Name of the Course	Course Code	Activities/Content with a direct bearing on Employability/ Entrepreneurship/ Skill development
1.	Management and Organizational Behavior	MBA1101	ENTERPRENUERSHIP
2.	Research Methodology and Statistical Analysis	MBA1104	SKILLED
3.	Business Ethics & Corporate Governenace	MBA1106	SKILLED
4.	Marketing Management	MBA1202	ENTERPRENUERSHIP
5.	Entrepreneurship and Design Thinking	MBA1205	ENTERPRENUERSHIP
6.	Management Information Systems	MBA2102	EMPLOYABILITY
7.	Data Analytics	MBA2103	SKILLED
8.	Security Analysis and Portfolio Management	MBA2104F1	EMPLOYABILITY
9.	International Financial Management	MBA2202F4	EMPLOYABILITY
10.	Risk Management and Financial Derivatives	MBA2204F6	EMPLOYABILITY
11.	Marketing Research	MBA1207D	SKILLED
12.	Probability and Statistics	MA2102BS	Employability
13.	Basic Electrical and Electronics Engineering	EE2105ES	Employability
14.	Strength of Materials Lab	CE2107PC	Skill development
15.	Constitution of India	MC2001	Employability
16.	Engineering Geology	CE2202PC	Employability
17.	Strength of Materials – II	CE2204PC	Employability
18.	Hydrology & Water Resources Engineering	CE2206PC	Employability
19.	Hydrology & Water Resources Engineering	CE2206PC	Employability
20.	Gender Sensitization Lab	MC2002	Employability
21.	Concrete Technology	CE3102PC	Employability

22.	Geotechnical Engineering	CE3105PC	Employability
23.	Remote Sensing And GIS	CE3111PE	Employability
24.	Geotechnical Engineering Lab	CE3108PC	Skill development
25.	Cyber Security	MC3002	Skill development
26.	Intellectual Property Rights	MC3001	entrepreneurship
27.	Structural Analysis-II	CE3201PC	Employability
28.	Ground Improvement Techniques	CE3208PE	Employability
29.	Estimation quantity surveying and valuation	CE4101PC	employability
30.	Environmental Impact Assessment	CE4112OE	employability
31.	Airways, Railways And Waterways	CE4110PE	employability
32.	Electrical Machines-I	EE2102PC	Employability
33.	Network Theory	EE2103PC	Employability
34.	Object-Oriented Programming	CS2105ES	Skill development
35.	Electrical Machines Lab-I	EE2106PC	Skill development
36.	C++ Programming Lab	CS2108ES	Skill development
37.	Power System - I	EE2201PC	Employability
38.	Electrical Machines – II	EE2203PC	Employability
39.	Control Systems	EE2204PC	Employability
40.	Electrical Machines Lab - II	EE2206PC	Skill development
41.	Basic Electrical Simulation Lab	EE2208PC	Skill development
42.	Electrical Measurements & Instrumentation	EE3101PC	Employability
43.	Power System – II	EE3102PC	Employability
44.	Electrical Installation and Extimation	EE3105PE	Employability
45.	Advanced Electrical Simulation Lab	EE3109PC	Skill development
46.	Power Electronics	EE3202PC	Skill development
47.	Electrical and Electronics Instrumentation	EE3206PE	Employability
48.	FUNDAMENTALS of Internet of things	EC3211OE	Skill development
49.	Power Systems Lab	EE3207PC	Employability

50.	Cyber Security	MC3001*	Entrepreneurship
51.	Power System - I	EE2201PC	Employability
52.	Electrical Machines – II	EE2203PC	Employability
53.	Control Systems	EE2204PC	Employability
54.	Electrical Machines Lab - II	EE2206PC	Skill development
55.	Basic Electrical Simulation Lab	EE2208PC	Skill development
56.	Electrical Measurements & Instrumentation	EE3101PC	Employability
57.	Power System – II	EE3102PC	Employability
58.	Electrical Installation and Estimation	EE3105PE	Employability
59.	Advanced Electrical Simulation Lab	EE3109PC	Skill development
60.	Power Electronics	EE3202PC	Skill development
61.	Electromagnetic Fields and Waves	EC2201PC	Skill Development
62.	Linear IC Applications	EC2204PC	Employability
63.	Electronic Circuit Analysis	EC2205PC	Skill Development
64.	IC Applications Lab	EC2207PC	Skill Development
65.	Data Communications and Networks	EC3102PC	Skill Development
66.	Electronic Measurement and Instrumentation	EC3112PE	Skill Development
67.	Data Communications and Networks Lab	EC3106PC	Employability
68.	Electronic Measurement and Instrumentation	EC3112PE	Skill Development
69.	Digital Signal Processing	EC3202PC	Skill Development
70.	VLSI Design	EC3203PC	Skill Development
71.	Embedded System Design	EC3222PE	Skill Development
72.	Electrical Installation and Estimation	EE3211OE	Employability
73.	Scripting Languages Lab	EC3206PC	Skill Development
74.	e-CAD Lab	EC3205PC	Skill Development
75.	Network Security and Cryptography	EC4142PE	Employability
76.	Wireless Sensor Networks	EC4253PE	Employability
77.	Machine Learning	CS4231OE	Skill Development

78.	Artificial Neural Networks	EC4262PE	Skill Development
79.	Mechanics of Solids	ME2102PC	Entrepreneurship
80.	Production Technology	ME2104PC	Employability
81.	Production Technology Lab	ME2106PC	Skill development
82.	Machine Drawing Practice	ME2107PC	Employability
83.	Kinematics of Machinery	ME2202PC	Employability
84.	Fluid Mechanics and Hydraulic Machines	ME2204PC	Employability
85.	Business Economics and Financial Analysis	SM2106MS	Skill development
86.	Software Engineering	AM2202PC	Skill development
87.	Database Management Systems	AM2204PC	Employability
88.	Information Retrieval Systems	AM3115PE	Skill development
89.	R Programming Lab	AM3105PC	Skill development
90.	Computer Networks	AM3203PC	Entrepreneurship
91.	Information Security	AM4101PC	Skill development
92.	Software Project Management	AM4116PE	Employability
93.	Human Computer Interaction	AM4206PE	Employability
94.	Computer Oriented Statistical Methods	MA2103BS	Employability
95.	Python Programming Lab	DS2108PC	Entrepreneurship
96.	Operating Systems	DS2203PC	Employability
97.	Object Oriented Programming using JAVA	DS2205PC	Skill development
98.	Principles of Programming Languages	DS3112PE	Employability
99.	R Programming & Data Mining Lab	DS3105PC	Employability
100.	Big Data Analytics through HADOOP Lab	DS3204PC	Skill development
101.	Social Network Analysis for Big Data	DS3209PE	Employability
102.	Cloud Computing	DS4110PE	Entrepreneurship
103.	Software Project Management	DS4116PE	Skill development
104.	Data Structures	CY2102PC	Entrepreneurship
105.	Design and Analysis of Algorithms Lab	CY3106PC	Skill development
106.	DBMS & Information Security Lab	CY3105PC	Entrepreneurship

107.	Informational Retrieval Systems	CY3115PE	Employability
108.	Cyber Laws and Security Policies	CY4102PC	Skill development

Academic Regulations, Course Catalog and Syllabus
AY : 2023-24

Description	Weblink
Academic Courses	https://www.nrcmec.org/academic-courses
Academic Rules & Regulations	https://www.nrcmec.org/academic-r-r
Syllabus	https://www.nrcmec.org/syllabus

Details of syllabus revision during the AY: 2023-24

S. No	Pro gram	Name of the Department	Regulations and Syllabus Weblink		
			NR20	NR21	NR23
1	UG (B. Tech)	Civil Engineering	https://www.nrcmec.org/syllabus#	https://www.nrcmec.org/pdf/Syllabus/NR21/CIVIL.pdf	https://www.nrcmec.org/pdf/Syllabus/NR23/CE%20-%20NR23%20-%20Course%20Structure%20&%20Syllabi.pdf
2		Computer Science and Engineering	https://www.nrcmec.org/syllabus#	https://www.nrcmec.org/pdf/Syllabus/NR21/CSE%20-%20NR21%20-%20Course%20Structure%20&%20Syllabi.pdf	https://www.nrcmec.org/pdf/Syllabus/NR23/CSE%20-%20NR23%20-%20Course%20Structure%20&%20Syllabi.pdf
3		Computer Science and Engineering (AI&ML)	https://www.nrcmec.org/syllabus#	https://www.nrcmec.org/pdf/Syllabus/NR21/CSE(AI&ML).pdf	https://www.nrcmec.org/pdf/Syllabus/NR23/CSE%20(AI&ML)%20-%20NR23%20-%20Course%20Structure%20&%20Syllabi.pdf
4		Computer Science and	https://www.nrcmec.org/syllabus#	https://www.nrcmec.org/pdf/Syllabus/NR21/CSE	NA

		Engineering (Data Science)		(DS).pdf	
5		Computer Science and Engineering (Cyber Security)	https://www.nrcmec.org/syllabus#	https://www.nrcmec.org/pdf/Syllabus/NR21/CSE(CS).pdf	https://www.nrcmec.org/pdf/Syllabus/NR23/CSE%20(CS)%20-%20NR23%20-%20Course%20Structure%20&%20Syllabi.pdf
6		Information Technology	NA	NA	https://www.nrcmec.org/pdf/Syllabus/NR23/IT%20-%20NR23%20-%20Course%20Structure%20&%20Syllabi.pdf
7		Electronics and Communication Engineering	https://www.nrcmec.org/syllabus#	https://www.nrcmec.org/pdf/Syllabus/NR21/EC E.pdf	https://www.nrcmec.org/pdf/Syllabus/NR23/ECE%20-%20NR23%20-%20Course%20Structure%20&%20Syllabi.pdf
8		Electrical and Electronics and Engineering	https://www.nrcmec.org/syllabus#	https://www.nrcmec.org/pdf/Syllabus/NR21/EE E.pdf	https://www.nrcmec.org/pdf/Syllabus/NR23/EEE%20-%20NR23%20-%20Course%20Structure%20&%20Syllabi.pdf
9		Mechanical Engineering	https://www.nrcmec.org/syllabus#	https://www.nrcmec.org/pdf/Syllabus/NR21/ME %20-%20NR21%20-%20Course%20Structure%20&%20Syllabi.pdf	https://www.nrcmec.org/pdf/Syllabus/NR23/ME%20-%20NR23%20-%20Course%20Structure%20&%20Syllabi.pdf
10	PG(MBA)	Master of Business Administration	NA	https://www.nrcmec.org/pdf/Syllabus/MBA/NR21/MBA%20-%20NR21%20-%20Course%20Structure%20&%20Syllabi.pdf	https://www.nrcmec.org/syllabus#