

1.1.2: The programmes offered by the institution focus on employability/ entrepreneurship/ skill development and their course syllabi are adequately revised to incorporate contemporary requirements



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PRINCIPAL
Godavari Institute of Engineering & Tech.(A)
NH-16, Chaitanya Knowledge City
RAJAHMUNDRY-533 296

B.Tech (Civil Engineering)

Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
1.	Mathematics-I	201HB101	Employability	2020-2021	GRBT-20
2.	Engineering Chemistry	201HB103b	Employability	2020-2021	GRBT-20
3.	Communicative English-I	201HB102	Skill Development, Employability	2020-2021	GRBT-20
4.	Electromagnetic Fields	201EE105	Employability	2020-2021	GRBT-20
5.	Basic electrical and electronics engineering	201EE104	Employability	2020-2021	GRBT-20
6.	Engineering Chemistry Laboratory	201HB111b	Employability	2020-2021	GRBT-20
7.	Basic electrical and electronics engineering Laboratory	201EE112	Employability	2020-2021	GRBT-20
8.	Electrical Engineering Workshop	201ME113b	Employability	2020-2021	GRBT-20
9.	Mathematics-II	201HB201	Employability	2020-2021	GRBT-20
10.	Applied Physics	201HB202a	Employability	2020-2021	GRBT-20
11.	Fundamentals of Computer programming	201CS204a	Employability	2020-2021	GRBT-20
12.	Electrical Circuit analysis	201EE205a	Employability	2020-2021	GRBT-20
13.	Engineering Graphics	201ME203	Employability	2020-2021	GRBT-20
14.	Applied Physics Laboratory	201HB211a	Employability	2020-2021	GRBT-20
15.	Fundamentals of Computer programming Laboratory	201CS213a	Employability	2020-2021	GRBT-20
16.	Communicative English Laboratory	201HB212	Skill Development	2020-2021	GRBT-20
17.	Environmental Science	201HB296	Employability	2020-2021	GRBT-20
18.	Mathematics -III	201HB301	Employability	2020-2021	GRBT-20
19.	Strength of Materials	201CE302	Employability	2020-2021	GRBT-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
20.	Fluid Mechanics	201CE303	Employability	2020-2021	GRBT-20
21.	Surveying and Geomatics	201CE304	Employability	2020-2021	GRBT-20
22.	Environmental Engineering	201CE305	Employability	2020-2021	GRBT-20
23.	Material Testing Lab	201CE311	Employability	2020-2021	GRBT-20
24.	Building Planning and Drawing Lab	201CE312	Employability	2020-2021	GRBT-20
25.	Surveying Field Work (Lab)	201CE313	Employability	2020-2021	GRBT-20
26.	Skill oriented course-1	201CE381	Employability	2020-2021	GRBT-20
27.	Constitution of India	201CE391	Employability	2020-2021	GRBT-20
28.	Theory of Structures	19110501	Employability	2019-2020	GRBT-19
29.	Design of Reinforced Concrete Structures	19110502	Employability	2019-2020	GRBT-19
30.	Soil Mechanics	19110503	Employability	2019-2020	GRBT-19
31.	Engineering Geology	19110504	Employability	2019-2020	GRBT-19
32.	Engineering Hydrology	19110505	Employability	2019-2020	GRBT-19
33.	Professional Elective -II	19110566A/B/C/D	Employability	2019-2020	GRBT-19
34.	Intellectual Property Rights and Patents	19119587	Employability	2019-2020	GRBT-19
35.	Soil Mechanics Laboratory	19110511	Employability	2019-2020	GRBT-19
36.	Engineering Geology Lab	19110512	Employability	2019-2020	GRBT-19
37.	Mini Project-1/Study Project/Internship	19110521	Employability	2019-2020	GRBT-19
38.	Open Elective-II		Employability	2019-2020	GRBT-19
39.	Design of Steel Structures	19110601	Employability	2019-2020	GRBT-19
40.	Foundation Engineering	19110602	Employability	2019-2020	GRBT-19
41.	Transportation Engineering	19110603	Employability	2019-2020	GRBT-19
42.	Irrigation Engineering	19110604	Employability	2019-2020	GRBT-19

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
43.	Concrete Technology	19110605	Employability	2019-2020	GRBT-19
44.	Soft Skills	19119613	Employability	2019-2020	GRBT-19
45.	Software applications in Civil Engineering	19110611	Employability	2019-2020	GRBT-19
46.	Concrete Technology & Transportation Engineering Laboratory	19110612	Employability	2019-2020	GRBT-19
47.	Pre stressed Concrete	19110701	Employability	2019-2020	GRBT-19
48.	Professional Elective-III	19110762A/B/C/D	Employability	2019-2020	GRBT-19
49.	Professional Elective-IV	19110763 A/B/C/D	Employability	2019-2020	GRBT-19
50.	Design Thinking & Product Innovation	19119786	Employability	2019-2020	GRBT-19
51.	Infrastructure Design and Detailing Laboratory	19110711	Employability	2019-2020	GRBT-19
52.	Mini Project -2 / Internship	19110721	Employability	2019-2020	GRBT-19
53.	Theory of Elasticity	20211101	Employability	2020-2021	GRMT-20
54.	Structural Dynamics	20211102	Employability	2020-2021	GRMT-20
55.	Advanced Matrix Analysis of Structures	20211163A	Employability	2020-2021	GRMT-20
56.	Analytical & Numerical Methods for Structural Engineering	20211163B	Employability	2020-2021	GRMT-20
57.	Design of RC Foundations	20211163C	Employability	2020-2021	GRMT-20
58.	Bridge Engineering	20211164A	Employability	2020-2021	GRMT-20
59.	Repair and Rehabilitation of Structures	202111164B	Employability	2020-2021	GRMT-20
60.	Advanced Reinforced Concrete Design	202111164C	Employability	2020-2021	GRMT-20
61.	Research Methodology	202111188	Employability	2020-2021	GRMT-20
62.	Advanced Concrete Technology Laboratory	202111111	Employability	2020-2021	GRMT-20
63.	Advanced Structural Engineering Laboratory	202111112	Employability	2020-2021	GRMT-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
64.	Finite Element Methods in Structural Engineering	20211201	Employability	2020-2021	GRMT-20
65.	Theory of Plates and Shells	20211202	Employability	2020-2021	GRMT-20
66.	Stability of Structures	20211263A	Employability	2020-2021	GRMT-20
67.	Advanced Steel Design	20211263B	Employability	2020-2021	GRMT-20
68.	Analysis of Offshore Structures	20211263C	Employability	2020-2021	GRMT-20
69.	Earthquake Resistant Design of Buildings	20211264A	Employability	2020-2021	GRMT-20
70.	Precast and Prefabricated Structures	20211264B	Employability	2020-2021	GRMT-20
71.	Earth Retaining Structures	20211264C	Employability	2020-2021	GRMT-20
72.	Computer Aided Design Laboratory	202111211	Employability	2020-2021	GRMT-20
73.	Structural Design laboratory	202111212	Employability	2020-2021	GRMT-20
74.	Mini Project With Seminar	202111221	Employability	2020-2021	GRMT-20
75.	Elective 5: Program Elective/MOOCs	20211361	Employability	2020-2021	GRMT-20
76.	Design of Prestressed Concrete Structures	20211361A	Employability	2020-2021	GRMT-20
77.	Structural Health Monitoring	20211361B	Employability	2020-2021	GRMT-20
78.	Industrial Structures	20211361C	Employability	2020-2021	GRMT-20
79.	Open Elective	20211362	Employability	2020-2021	GRMT-20
80.	Dissertation Phase-I / Industrial Project	20211341	Employability	2020-2021	GRMT-20
81.	Project/Dissertation Phase II	20211441	Employability	2020-2021	GRMT-20

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B.Tech. (Electrical & Electronic Engineering)

Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development .	Year of introduction (during the last five years)	Regulation
82.	Mathematics-I	201HB101	Employability	2020-2021	GRBT-20
83.	Engineering Chemistry	201HB103b	Employability	2020-2021	GRBT-20
84.	Communicative English-I	201HB102	Skill Development, Employability	2020-2021	GRBT-20
85.	Electromagnetic Fields	201EE105	Employability	2020-2021	GRBT-20
86.	Basic electrical and electronics engineering	201EE104	Employability	2020-2021	GRBT-20
87.	Engineering Chemistry Laboratory	201HB111b	Employability	2020-2021	GRBT-20
88.	Basic electrical and electronics engineering Laboratory	201EE112	Employability	2020-2021	GRBT-20
89.	Electrical Engineering Workshop	201ME113b	Employability	2020-2021	GRBT-20
90.	Mathematics-II	201HB201	Employability	2020-2021	GRBT-20
91.	Applied Physics	201HB202a	Employability	2020-2021	GRBT-20
92.	Fundamentals of Computer programming	201CS204a	Employability	2020-2021	GRBT-20
93.	Electrical Circuit analysis	201EE205a	Employability	2020-2021	GRBT-20
94.	Engineering Graphics	201ME203	Employability	2020-2021	GRBT-20
95.	Applied Physics Laboratory	201HB211a	Employability	2020-2021	GRBT-20
96.	Fundamentals of Computer programming Laboratory	201CS213a	Employability	2020-2021	GRBT-20
97.	Communicative English Laboratory	201HB212	Skill Development	2020-2021	GRBT-20
98.	Environmental Science	201HB296	Employability	2020-2021	GRBT-20
99.	Mathematics – III	201HB301	Employability	2020-2021	GRBT-20
100.	Fundamentals of Electronic Devices and circuits	201EE302	Employability	2020-2021	GRBT-20
101.	Electrical Circuit Analysis –II	201EE303	Employability	2020-2021	GRBT-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
102.	DC Machines and Transformers	201EE304	Employability	2020-2021	GRBT-20
103.	Electrical measurements	201EE305	Employability	2020-2021	GRBT-20
104.	Electrical Circuits Lab	201EE312	Employability	2020-2021	GRBT-20
105.	Electrical measurements and machines lab-I	201EE312	Employability	2020-2021	GRBT-20
106.	Fundamentals of Electronic Devices and circuits Laboratory	201EE313	Employability	2020-2021	GRBT-20
107.	Skill oriented course- Design of Electrical Circuits using Engineering Software Tools	201EE381	Skill Development	2020-2021	GRBT-20
108.	Constitution of India	201CE391	Employability	2020-2021	GRBT-20
109.	Introduction to Python Programming	201CS401	Employability	2020-2021	GRBT-20
110.	Digital Electronics	201EC402	Employability	2020-2021	GRBT-20
111.	Power systems-1	201EE403	Employability	2020-2021	GRBT-20
112.	Induction and Synchronous Machines	201EE404	Employability	2020-2021	GRBT-20
113.	Managerial Economics & Financial Analysis	201MB405	Entrepreneurship	2020-2021	GRBT-20
114.	Python Programming Lab	201CS411	Employability	2020-2021	GRBT-20
115.	Electrical measurements and machines lab-II	201EE412	Employability	2020-2021	GRBT-20
116.	Digital Electronics Lab	201EC413	Employability	2020-2021	GRBT-20
117.	Skill oriented course -IoT Applications of Electrical Engineering	201EE481	Skill Development	2020-2021	GRBT-20
118.	Control Systems	19120503	Employability	2019-2020	GRBT-19
119.	Power Systems-II	19120504	Employability	2019-2020	GRBT-19
120.	Digital Electronics	19124501	Employability	2019-2020	GRBT-19
121.	Power system dynamics & control (Professional Elective - I)	19120565a	Employability	2019-2020	GRBT-19

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
122.	Special electrical machines (Professional Elective - I)	19120565b	Employability	2019-2020	GRBT-19
123.	Advanced control systems (Professional Elective - I)	19120565c	Employability	2019-2020	GRBT-19
124.	Advanced power conversion systems (Professional Elective - I)	19120565d	Employability	2019-2020	GRBT-19
125.	MEMS (Open Elective – II)	19123562a	Employability	2019-2020	GRBT-19
126.	Information Security (Open Elective – II)	19123562b	Employability	2019-2020	GRBT-19
127.	Digital Image Processing (Open Elective – II)	19123562c	Employability	2019-2020	GRBT-19
128.	Solid Waste Management (Open Elective – II)	19123562d	Employability	2019-2020	GRBT-19
129.	Hybrid and Electric Vehicles (Open Elective – II)	19123562e	Employability	2019-2020	GRBT-19
130.	Disaster Management in Mining (Open Elective – II)	19123562f	Employability	2019-2020	GRBT-19
131.	Control Systems Lab	19120512	Employability	2019-2020	GRBT-19
132.	Digital Electronics Lab	19124511	Employability	2019-2020	GRBT-19
133.	Constitution of India	19129596	Skill Development, Employability	2019-2020	GRBT-19
134.	Mini Project-I/ Study Project/ Internship	19120521	Skill Development, Employability	2019-2020	GRBT-19
135.	Community service oriented project	19120522	Skill Development, Employability	2019-2020	GRBT-19
136.	Utilization of electrical energy (Professional Elective - II)	19120665a	Employability	2019-2020	GRBT-19
137.	Power semi-conductor drives (Professional Elective - II)	19120665b	Employability	2019-2020	GRBT-19
138.	Digital control systems (Professional Elective - II)	19120665c	Employability	2019-2020	GRBT-19

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
139.	Solar energy systems (Professional Elective - II)	19120665d	Employability	2019-2020	GRBT-19
140.	Human Computer Interaction (Open Elective - III)	19125662a	Skill Development, Employability	2019-2020	GRBT-19
141.	Data Communication (Open Elective - III)	19125662b	Employability	2019-2020	GRBT-19
142.	– Global Environment: Problems & Policies (Open Elective - III)	19125662c	Skill Development, Employability	2019-2020	GRBT-19
143.	Modern Vehicle Technology(Open Elective - III)	19125662d	Employability	2019-2020	GRBT-19
144.	Remote Sensing & GIS in Mining (Open Elective - III)	19125662e	Employability	2019-2020	GRBT-19
145.	Power Electronics	19124602	Employability	2019-2020	GRBT-19
146.	Microprocessors & Micro-controllers and applications	19124601	Employability	2019-2020	GRBT-19
147.	Switch Gear & Protection	19124603	Employability	2019-2020	GRBT-19
148.	Power system analysis	19124604	Employability	2019-2020	GRBT-19
149.	Microprocessors & Micro-controllers and applications Lab	19124611	Employability	2019-2020	GRBT-19
150.	Power Electronics Lab	19120612	Employability	2019-2020	GRBT-19
151.	Soft Skills	19129696	Skill Development	2019-2020	GRBT-19
152.	Generation and Measurement of High Voltages	20221101	Employability	2020-2021	GRMT-20
153.	Dielectrics and Insulation Engineering	20221102	Employability	2020-2021	GRMT-20
154.	Power Systems Reforms (PROGRAM ELECTIVE I)	20221163a	Employability	2020-2021	GRMT-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
155.	HVDC Transmission (PROGRAM ELECTIVE I)	20221163b	Employability	2020-2021	GRMT-20
156.	Breakdown Phenomenon in Electrical Insulation (PROGRAM ELECTIVE I)	20221163c	Employability	2020-2021	GRMT-20
157.	High Voltage Power Apparatus and Diagnostics (PROGRAM ELECTIVE II)	20221164a	Employability	2020-2021	GRMT-20
158.	Collision Phenomena in Plasma Science (PROGRAM ELECTIVE II)	20221164b	Employability	2020-2021	GRMT-20
159.	Advanced Electro Magnetic Fields (PROGRAM ELECTIVE II)	20221164c	Employability	2020-2021	GRMT-20
160.	Research Methodology	20551105	Skill Development, Employability	2020-2021	GRMT-20
161.	Simulation Laboratory – I	20221111	Employability	2020-2021	GRMT-20
162.	High Voltage Laboratory	20221112	Employability	2020-2021	GRMT-20
163.	English for Research Paper Writing (Audit Course-I)	20221291a	Skill Development, Employability	2020-2021	GRMT-20
164.	Disaster Management (Audit Course-I)	2022139b	Skill Development, Employability	2020-2021	GRMT-20
165.	Value Education (Audit Course-I)	2022139c	Skill Development	2020-2021	GRMT-20
166.	High Voltage Testing Techniques	20221201	Employability	2020-2021	GRMT-20
167.	Surge Phenomenon and Insulation Co-ordination	20221202	Employability	2020-2021	GRMT-20
168.	Partial Discharges in High Voltage Equipment (PROGRAM ELECTIVE III)	20221263a	Employability	2020-2021	GRMT-20
169.	Gas Insulated Systems and Substations (PROGRAM ELECTIVE III)	20221263b	Employability	2020-2021	GRMT-20
170.	Pulse Power Engineering (PROGRAM ELECTIVE III)	20221263c	Employability	2020-2021	GRMT-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
171.	Flexible AC Transmission Systems (PROGRAM ELECTIVE IV)	20221264a	Employability	2020-2021	GRMT-20
172.	EHVAC Transmission (PROGRAM ELECTIVE IV)	20221264b	Employability	2020-2021	GRMT-20
173.	Smart Grid Technologies (PROGRAM ELECTIVE IV)	20221264c	Employability	2020-2021	GRMT-20
174.	Simulation Laboratory-II	20221211	Employability	2020-2021	GRMT-20
175.	Power Systems Laboratory	20221212	Employability	2020-2021	GRMT-20
176.	Mini Project	20221221	Skill Development, Employability	2020-2021	GRMT-20
177.	Constitution of India I(Audit Course – II)	20221295a	Skill Development, Employability	2020-2021	GRMT-20
178.	Pedagogy Studies (Audit Course – II)	20221295b	Skill Development, Employability	2020-2021	GRMT-20
179.	Stress Management by Yoga (Audit Course – II)	20221295c	Skill Development, Employability	2020-2021	GRMT-20
180.	Energy Audit Conservation & Management (PROGRAM ELECTIVE V)	20221361a	Skill Development, Employability	2020-2021	GRMT-20
181.	Power Quality (PROGRAM ELECTIVE V)	20221361b	Employability	2020-2021	GRMT-20
182.	Power System Transients (PROGRAM ELECTIVE V)	20221361c	Employability	2020-2021	GRMT-20
183.	Operations Research (OPEN ELECTIVE)	20221362a	Employability	2020-2021	GRMT-20
184.	Micro Electro Mechanical Systems (OPEN ELECTIVE)	20221362b	Employability	2020-2021	GRMT-20
185.	Composite materials (OPEN ELECTIVE)	20221362c	Employability	2020-2021	GRMT-20
186.	Machine Learning (OPEN ELECTIVE)	20221362d	Employability	2020-2021	GRMT-20
187.	Cyber Security (OPEN ELECTIVE)	20221362e	Employability	2020-2021	GRMT-20
188.	IOT & its applications (OPEN ELECTIVE)	20221362f	Employability	2020-2021	GRMT-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
189.	Real time operating systems (OPEN ELECTIVE)	20221362g	Employability	2020-2021	GRMT-20
190.	Dissertation Phase - I/ Industrial project	20221341	Skill Development, Employability	2020-2021	GRMT-20
191.	Dissertation Phase-II	20221441	Skill Development, Employability	2020-2021	GRMT-20

B.Tech. (Mechanical Engineering)

Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
192.	Mathematics-I	201HB101	Skill Development	2020-2021	GRBT-20
193.	Communicative English-I	201HB102	Skill Development	2020-2021	GRBT-20
194.	Engineering Chemistry	201HB103b	Skill Development	2020-2021	GRBT-20
195.	Basic Electrical and Electronics Engineering	201EE104	Skill Development	2020-2021	GRBT-20
196.	Engineering Graphics	201ME105	Skill Development	2020-2021	GRBT-20
197.	Engineering Chemistry Laboratory	201HB111b	Employability/ Skill Development	2020-2021	GRBT-20
198.	Basic Electrical and Electronics Engineering Laboratory	201EE112	Skill Development	2020-2021	GRBT-20
199.	Basic Engineering Workshop	201ME113d	Employability/Entrepreneurship/ Skill Development	2020-2021	GRBT-20
200.	Mathematics-II	201HB201	Skill Development	2020-2021	GRBT-20
201.	Engineering Physics	201HB202b	Skill Development	2020-2021	GRBT-20
202.	Engineering Mechanics	201ME203a	Skill Development	2020-2021	GRBT-20
203.	Fundamentals of Computer Programming	201CS204a	Employability/ Skill Development	2020-2021	GRBT-20
204.	Material Science and Metallurgy	201ME205	Skill Development	2020-2021	GRBT-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
205.	Engineering Physics Laboratory	201HB211b	Employability/ Skill Development	2020-2021	GRBT-20
206.	Communicative English Laboratory	201HB212	Employability/ Skill Development	2020-2021	GRBT-20
207.	Fundamentals of Computer Programming Laboratory	201CS213a	Employability/ Skill Development	2020-2021	GRBT-20
208.	Environmental Studies	201HB296	Employability/ Skill Development	2020-2021	GRBT-20
209.	Mathematics-III	201HB301	Skill Development	2020-2021	GRBT-20
210.	Mechanics of Solids	201ME302	Skill Development	2020-2021	GRBT-20
211.	Production Technology	201ME303	Skill Development	2020-2021	GRBT-20
212.	Thermodynamics	201ME304	Skill Development	2020-2021	GRBT-20
213.	Fluid Mechanics & Hydraulic Machinery	201ME305	Skill Development	2020-2021	GRBT-20
214.	Fluid Mechanics & Hydraulic Machinery Lab	201ME311	Skill Development	2020-2021	GRBT-20
215.	Mechanics of Solids & Metallurgy lab	201ME312	Skill Development	2020-2021	GRBT-20
216.	Computer Aided Design and Modelling Lab	201ME313	Employability/ Skill Development	2020-2021	GRBT-20
217.	Programming with Python	201CS381	Employability/Entrepreneurship/ Skill Development	2020-2021	GRBT-20
218.	Constitution of India	201CE391	Employability/Entrepreneurship/ Skill Development	2020-2021	GRBT-20
219.	Probability and Statistics	201HB401	Skill Development/Entrepreneurship	2020-2021	GRBT-20
220.	Kinematics of Machinery	201ME402	Employability/Entrepreneurship/ Skill Development	2020-2021	GRBT-20
221.	Thermal Engineering	201ME403	Skill Development	2020-2021	GRBT-20
222.	Industrial Engineering and Management	201ME404	Employability/Entrepreneurship/ Skill Development	2020-2021	GRBT-20
223.	Numerical Modelling for Mechanical Engineers	201ME411	Employability/Entrepreneurship/ Skill Development	2020-2021	GRBT-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
224.	Production Technology Lab	201ME412	Skill Development	2020-2021	GRBT-20
225.	Thermal Engineering Lab.	201ME413	Skill Development	2020-2021	GRBT-20
226.	Computer Aided Machine Drawing	201ME414	Employability/Entrepreneurship/ Skill Development	2020-2021	GRBT-20
227.	English for Career	201HB481	Employability/ Skill Development	2020-2021	GRBT-20
228.	Design of Machine Members	19130501	Skill Development	2019-2020	GRBT-19
229.	Thermal Engineering -II	19130502	Skill Development	2019-2020	GRBT-19
230.	Metal Cutting & Machine Tools	19130503	Skill Development	2019-2020	GRBT-19
231.	Fuels Combustion and Emission control	19130564A	Skill Development	2019-2020	GRBT-19
232.	Tribology	19130564B	Skill Development	2019-2020	GRBT-19
233.	Industrial Robotics	19130564C	Skill Development	2019-2020	GRBT-19
234.	Advanced Materials	19130564D	Skill Development	2019-2020	GRBT-19
235.	Solid Waste Management	19131565a	Skill Development	2019-2020	GRBT-19
236.	Energy management	19132565a	Employability/Entrepreneurship/ Skill Development	2019-2020	GRBT-19
237.	Digital Image Processing	19134565a	Skill Development	2019-2020	GRBT-19
238.	Information Security	19135565a	Employability/ Skill Development	2019-2020	GRBT-19
239.	Disaster Management in Mining	19136565a	Skill Development	2019-2020	GRBT-19
240.	Hybrid and Electric Vehicles	19137565a	Skill Development	2019-2020	GRBT-19
241.	Theory of Machines Lab.	19193511	Employability/ Skill Development	2019-2020	GRBT-19
242.	Machine Tools Lab.	19193512	Employability/Entrepreneurship/ Skill Development	2019-2020	GRBT-19
243.	Soft Skills	19139513	Employability/Entrepreneurship/ Skill Development	2019-2020	GRBT-19

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
244.	Mini Project-1/Study Project/Internship	19130521	Employability/Entrepreneurship/ Skill Development	2019-2020	GRBT-19
245.	Design of Transmission Elements	19130601	Skill Development	2019-2020	GRBT-19
246.	Industrial Engineering & Management	19130602	Employability/Entrepreneurship/ Skill Development	2019-2020	GRBT-19
247.	Heat Transfer	19130603	Skill Development	2019-2020	GRBT-19
248.	Metrology and Instrumentation	19130604	Skill Development	2019-2020	GRBT-19
249.	Refrigeration and Air Conditioning	19130665A	Skill Development	2019-2020	GRBT-19
250.	Mechatronics	19130665B	Skill Development	2019-2020	GRBT-19
251.	Advanced Foundry and Welding Technology	19130665C	Skill Development	2019-2020	GRBT-19
252.	Non Destructive Evaluation	19130665D	Skill Development	2019-2020	GRBT-19
253.	Global Environment Problems & Policies	19131666a	Employability/Entrepreneurship/ Skill Development	2019-2020	GRBT-19
254.	Renewable Energy Resources	19132666a	Employability/Entrepreneurship/ Skill Development	2019-2020	GRBT-19
255.	Data Communication	19134666a	Skill Development	2019-2020	GRBT-19
256.	Human Computer Interaction	19135666a	Skill Development	2019-2020	GRBT-19
257.	Remote sensing & GIS in Mining	19136666a	Skill Development	2019-2020	GRBT-19
258.	f. Modern Vehicle Technology	19137666a	Skill Development	2019-2020	GRBT-19
259.	Constitution of India	19139687	Employability/Entrepreneurship/ Skill Development	2019-2020	GRBT-19
260.	Heat Transfer Lab	19130611	Skill Development	2019-2020	GRBT-19
261.	Metrology and Instrumentation Lab	19130612	Skill Development	2019-2020	GRBT-19
262.	Geometric Modeling	20231101	Skill Development	2020-2021	GRMT-20
263.	Computer Aided Manufacturing	20231102	Skill Development	2020-2021	GRMT-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
264.	Computational Methods in Engineering	20231164A	Skill Development	2020-2021	GRMT-20
265.	Composite Materials	20231164B	Skill Development	2020-2021	GRMT-20
266.	Industrial Robotics	20231164C	Skill Development	2020-2021	GRMT-20
267.	Mechatronics	20231165A	Skill Development	2020-2021	GRMT-20
268.	Mechanical Vibrations	20231165B	Skill Development	2020-2021	GRMT-20
269.	Product Design and Development	20231165C	Skill Development	2020-2021	GRMT-20
270.	Research Methodology	20231103	Skill Development	2020-2021	GRMT-20
271.	Advanced CAD Lab	20201111	Skill Development	2020-2021	GRMT-20
272.	Manufacturing Lab	20231112	Skill Development	2020-2021	GRMT-20
273.	English for Research Paper Writing	20231196	Employability/Entrepreneurship/ Skill Development	2020-2021	GRMT-20
274.	Disaster Management	20231196a	Skill Development	2020-2021	GRMT-20
275.	Value Education	20231196b	Skill Development	2020-2021	GRMT-20
276.	Optimization & Reliability	20231201	Skill Development	2020-2021	GRMT-20
277.	Advanced Manufacturing Processes	20231202	Skill Development	2020-2021	GRMT-20
278.	Additive Manufacturing	20231263A	Skill Development	2020-2021	GRMT-20
279.	Hydraulic and Pneumatic Systems	20231263B	Skill Development	2020-2021	GRMT-20
280.	Modeling and Simulation of Manufacturing Systems	20231263C	Skill Development	2020-2021	GRMT-20
281.	Materials Characterization Techniques	20231264A	Skill Development	2020-2021	GRMT-20
282.	Automation in Manufacturing	20231264B	Skill Development	2020-2021	GRMT-20
283.	Finite Element Method	20231264C	Skill Development	2020-2021	GRMT-20
284.	Simulation of Manufacturing Lab	20231211	Skill Development	2020-2021	GRMT-20
285.	Material Characterization Lab	20231212	Skill Development	2020-2021	GRMT-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
286.	Mini Project With Seminar	20231221	Employability/Entrepreneurship/ Skill Development	2020-2021	GRMT-20
287.	Constitution of India	20231295	Employability/Entrepreneurship/ Skill Development	2020-2021	GRMT-20
288.	Pedagogy Studies	20231295a	Employability/Entrepreneurship/ Skill Development	2020-2021	GRMT-20
289.	Personality Development Through Life Enlightenment Skills	20231295b	Employability/Entrepreneurship/ Skill Development	2020-2021	GRMT-20
290.	Quality Engineering in Manufacturing	20231361A	Skill Development	2020-2021	GRMT-20
291.	Green Manufacturing	20231361B	Skill Development	2020-2021	GRMT-20
292.	MOOCS-1 (NPTEL/ SWAYAM) 12 Week program related to the programme which is not listed in the course structure.	20231361C	Employability/Entrepreneurship/ Skill Development	2020-2021	GRMT-20
293.	MOOCS-2(NPTEL/ SWAYAM) Any12 Week Course on Engineering/Management/ Mathematics offered by other than parent department.	20231361e	Employability/Entrepreneurship/ Skill Development	2020-2021	GRMT-20
294.	Composite Materials, Cost Management of Engineering Projects	20231362a	Skill Development	2020-2021	GRMT-20
295.	Energy Management	20231362b	Skill Development	2020-2021	GRMT-20
296.	Internet of Things and Applications	20231362c	Employability/Entrepreneurship/ Skill Development	2020-2021	GRMT-20
297.	Cyber Security	20231362d	Skill Development	2020-2021	GRMT-20
298.	Dissertation-I/ Industrial Project	20231341	Employability/Entrepreneurship/ Skill Development	2020-2021	GRMT-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
299.	Dissertation -II	20231441	Employability/Entrepreneurship/ Skill Development	2020-2021	GRMT-20

B.Tech. (Electronics & Communication Engineering)

Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
300.	Mathematics-I	201HB101	Skill Development	2020-2021	GRBT-20
301.	Communicative English	201HB102	Skill Development	2020-2021	GRBT-20
302.	Applied Physics	201HB103a	Skill Development	2020-2021	GRBT-20
303.	Problem Solving & Programming in C	201CS104	Skill Development	2020-2021	GRBT-20
304.	Introduction to Electronics Engineering	201EC105	Skill Development	2020-2021	GRBT-20
305.	Environmental science	201HB196	Employability	2020-2021	GRBT-20
306.	Applied Physics Laboratory	201HB111a	Skill Development	2020-2021	GRBT-20
307.	Problem Solving & Programming in C Laboratory	201CS112	Skill Development	2020-2021	GRBT-20
308.	Electronic Engineering Workshop	201ME113a	Skill Development	2020-2021	GRBT-20
309.	Mathematics-II	201HB201	Skill Development	2020-2021	GRBT-20
310.	Engineering Chemistry	201HB202	Skill Development	2020-2021	GRBT-20
311.	Engineering Graphics	201ME203	Skill Development	2020-2021	GRBT-20
312.	Data Structure using C	201CS204b	Skill Development	2020-2021	GRBT-20
313.	Basic Electrical and Electronics Engineering	201EE205	Skill Development	2020-2021	GRBT-20
314.	Engineering Chemistry Laboratory	201HB211	Skill Development	2020-2021	GRBT-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
315.	Communicative English Laboratory	201HB212	Skill Development	2020-2021	GRBT-20
316.	Basic Electrical and Electronics Engineering Laboratory	201EE213	Skill Development	2020-2021	GRBT-20
317.	Mathematics-III	201HB301	Skill Development	2020-2021	GRBT-20
318.	Electronic Devices and Circuits	201EC302	Skill Development	2020-2021	GRBT-20
319.	Network Analysis	201EC303	Skill Development	2020-2021	GRBT-20
320.	Switching Theory and Logic Design	201EC304	Skill Development	2020-2021	GRBT-20
321.	Signals and Systems	201EC305	Skill Development	2020-2021	GRBT-20
322.	Programming with Java Lab	201CS311	Skill Development	2020-2021	GRBT-20
323.	Electronic Devices and Circuits Lab	201EC312	Skill Development	2020-2021	GRBT-20
324.	Network Analysis Lab	201EE313	Skill Development	2020-2021	GRBT-20
325.	English for career	201HB381	Skill Development	2020-2021	GRBT-20
326.	Electronic Circuit Analysis	201EC401	Skill Development	2020-2021	GRBT-20
327.	Analog Communications	201EC402	Skill Development	2020-2021	GRBT-20
328.	Random Variable and Stochastic Process	201EC403	Skill Development	2020-2021	GRBT-20
329.	Electromagnetic Waves And Transmission Lines	201EC404	Skill Development	2020-2021	GRBT-20
330.	Managerial Economics And Financial Analysis	201EC405	Skill Development	2020-2021	GRBT-20
331.	Electronic Circuit Analysis Lab	201EC411	Skill Development	2020-2021	GRBT-20
332.	Analog Communication Lab	201EC412	Skill Development	2020-2021	GRBT-20
333.	Switching Theory and Logic Design Lab	201EC413	Skill Development	2020-2021	GRBT-20
334.	Programming with Python Lab	201CS481A	Skill Development	2020-2021	GRBT-20
335.	Soft Skills	19149501	Employability	2019-2020	GRBT-19
336.	MEMS	19143562	Skill Development	2019-2020	GRBT-19

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
337.	Information Security	19145562	Skill Development	2019-2020	GRBT-19
338.	Energy Management	19142562	Skill Development	2019-2020	GRBT-19
339.	Digital Image Processing	19144562	Skill Development	2019-2020	GRBT-19
340.	Solid Waste Management	19141562	Skill Development	2019-2020	GRBT-19
341.	Hybrid and Electrical Vehicles	19147562	Skill Development	2019-2020	GRBT-19
342.	Disasters Management in Mining	19146562	Skill Development	2019-2020	GRBT-19
343.	Linear & Digital IC Applications	19140503	Skill Development	2019-2020	GRBT-19
344.	Digital Communication	19140504	Skill Development	2019-2020	GRBT-19
345.	Antenna and Wave Propagation	19140505	Skill Development	2019-2020	GRBT-19
346.	Electronic Measurement and Instrumentation	19140566A	Skill Development	2019-2020	GRBT-19
347.	Computer Architecture and Organization	19140566B	Skill Development	2019-2020	GRBT-19
348.	Information Theory and Coding	19140566C	Skill Development	2019-2020	GRBT-19
349.	Artificial Neural Networks and Fuzzy Logic	19140566D	Skill Development	2019-2020	GRBT-19
350.	Constitution of India	19149507	Skill Development	2019-2020	GRBT-19
351.	Linear IC Applications Laboratory	19140511	Skill Development	2019-2020	GRBT-19
352.	DSD& Digital IC Applications Laboratory	19140512	Skill Development	2019-2020	GRBT-19
353.	Digital Communications Laboratory	19140513	Skill Development	2019-2020	GRBT-19
354.	Mini Project – 1/Study Project/Internship	19140521	Entrepreneurship	2019-2020	GRBT-19
355.	Nano Technology	19143661	Skill Development	2019-2020	GRBT-19
356.	Human Computer Interaction	19145661	Employability	2019-2020	GRBT-19
357.	Renewable Energy Resources	19142661	Skill Development	2019-2020	GRBT-19
358.	Data Communication	19144661	Skill Development	Skill Development	GRBT-19
359.	Global Environment: Problems and Policies	19141661	Skill Development	2019-2020	GRBT-19
360.	Modern Vehicle Technology	19147661	Skill Development	2019-2020	GRBT-19

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
361.	Remote Sensing & GIS in Mining	19146661	Skill Development	2019-2020	GRBT-19
362.	Computer Networks	19144602	Skill Development	2019-2020	GRBT-19
363.	Microprocessors and Microcontrollers	19144603	Skill Development	2019-2020	GRBT-19
364.	Digital Signal Processing	19144604	Skill Development	2019-2020	GRBT-19
365.	Microwave Engineering	19144605	Skill Development	2019-2020	GRBT-19
366.	Wireless and Mobile Communication	19140665A	Skill Development	2019-2020	GRBT-19
367.	Digital System Design Using Verilog	19140665B	Skill Development	2019-2020	GRBT-19
368.	Control Systems	19140665C	Skill Development	2019-2020	GRBT-19
369.	Telecommunication Switching Systems and Networks	19140665D	Skill Development	2019-2020	GRBT-19
370.	Digital Signal Processing Laboratory	19140611	Skill Development	2019-2020	GRBT-19
371.	Microprocessors and Microcontrollers Laboratory	19140612	Skill Development	2019-2020	GRBT-19

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B.Tech. (Computer Science & Engineering)

Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
372.	Mathematics-I	201HB101	Skill Development	2020-2021	GRBT-20
373.	Communicative English	201HB102	Skill Development	Skill Development	GRBT-20
374.	Applied Physics	201HB103a	Skill Development	2020-2021	GRBT-20
375.	Problem Solving & Programming in C	201CS104	Employability/Skill Development	2020-2021	GRBT-20
376.	Fundamentals of Digital Electronics	201CS105	Employability/Skill Development	2020-2021	GRBT-20
377.	Environmental Science	201HB196	Employability/Skill Development	2020-2021	GRBT-20
378.	Applied Physics Laboratory	201HB111a	Skill Development	2020-2021	GRBT-20
379.	Problem Solving & Programming in C Lab	201CS112	Employability/Skill Development	2020-2021	GRBT-20
380.	Computer Engineering Workshop	201ME113c	Employability/Skill Development	2020-2021	GRBT-20
381.	Mathematics-II	201HB201	Skill Development	2020-2021	GRBT-20
382.	Engineering Chemistry	201HB202	Skill Development	2020-2021	GRBT-20
383.	Engineering Graphics	201ME203	Employability/Skill Development	2020-2021	GRBT-20
384.	Data Structures	201CS204	Employability/Skill Development	2020-2021	GRBT-20
385.	Python Programming	201CS205	Employability/Skill Development	2020-2021	GRBT-20
386.	Engineering Chemistry Laboratory	201HB211	Skill Development	2020-2021	GRBT-20
387.	Communicative English Lab	201HB212	Skill Development	2020-2021	GRBT-20
388.	Data Structures Lab	201CS213	Employability/Skill Development	2020-2021	GRBT-20
389.	Mathematical Foundations of Computer Science	201CS301	Employability/Skill Development	2020-2021	GRBT-20
390.	Design and Analysis of Algorithms	201CS302	Employability/Skill Development	2020-2021	GRBT-20
391.	Computer Organization	201CS303	Employability/Skill Development	2020-2021	GRBT-20
392.	Object Oriented Programming through JAVA	201CS304	Employability/Skill Development	2020-2021	GRBT-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
393.	Managerial Economics and Financial Analysis	201HB305	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20
394.	Data Analysis Lab	201CS311	Employability/Skill Development	2020-2021	GRBT-20
395.	Object Oriented Programming through JAVA Lab	201CS312	Employability/Skill Development	2020-2021	GRBT-20
396.	Linux and Shell Programming Lab	201CS313	Employability/Skill Development	2020-2021	GRBT-20
397.	Web Application Development Using Full Stack Module -1	201CS381	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20
398.	Constitution of India	201CE391	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20
399.	Statistics with R Programming	201CS401	Skill Development	2020-2021	GRBT-20
400.	Formal Languages and Automata Theory	201CS402	Employability/Skill Development	2020-2021	GRBT-20
401.	Operating Systems	201CS403	Employability/Skill Development	2020-2021	GRBT-20
402.	Database Management Systems	201CS404	Employability/Skill Development	2020-2021	GRBT-20
403.	Software Engineering	201CS405	Employability/Skill Development	2020-2021	GRBT-20
404.	R Programming Lab	201CS411	Employability/Skill Development	2020-2021	GRBT-20
405.	Database Management Systems Lab	201CS412	Employability/Skill Development	2020-2021	GRBT-20
406.	Operating Systems & Software Engineering Lab	201CS413	Employability/Skill Development	2020-2021	GRBT-20
407.	Web Application Development Using Full Stack Module -2	201CS481	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20
408.	Data Mining and Data Warehousing	201CS501	Employability/Skill Development	2020-2021	GRBT-20
409.	Compiler Design	201CS502	Employability/Skill Development	2020-2021	GRBT-20
410.	Computer Networks	201CS503	Employability/Skill Development	2020-2021	GRBT-20
411.	Environmental Pollution & Control	201CE565a	Skill Development	2020-2021	GRBT-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
412.	Fundamentals of Utilization of Electrical Energy	201EE565a	Skill Development	2020-2021	GRBT-20
413.	Robotics	201ME565a	Skill Development	2020-2021	GRBT-20
414.	Microprocessors and Microcontrollers	201EC565a	Employability/Skill Development	2020-2021	GRBT-20
415.	Foundations of Operating Systems	201CS565a	Employability/Skill Development	2020-2021	GRBT-20
416.	Elements of Mining Technology	201MM565a	Employability/Skill Development	2020-2021	GRBT-20
417.	Basic Automobile Engineering	201AM565a	Employability/Skill Development	2020-2021	GRBT-20
418.	Fundamentals of Petroleum Engineering	201PT565a	Employability/Skill Development	2020-2021	GRBT-20
419.	Principles of Management	201MB565a	Employability/Skill Development	2020-2021	GRBT-20
420.	Natural Language Processing	201CS564A	Employability/Skill Development	2020-2021	GRBT-20
421.	Data Science	201CS564B	Employability/Skill Development	2020-2021	GRBT-20
422.	Artificial Intelligence	201CS564C	Employability/Skill Development	2020-2021	GRBT-20
423.	Object Oriented Analysis & Design	201CS564D	Employability/Skill Development	2020-2021	GRBT-20
424.	Quantitative Aptitude and Reasoning	201HB591	Skill Development	2020-2021	GRBT-20
425.	Web Application Development Using Full Stack Module -3	201CS581	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20
426.	Data Mining and Data Warehousing Lab	201CS511	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20
427.	Internetworking Protocol Lab	201CS512	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20
428.	Mini Project-1	201CS521	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20
429.	Cryptography & Network Security	201CS601	Employability/Skill Development	2020-2021	GRBT-20
430.	Big Data Analytics	201CS602	Employability/Skill Development	2020-2021	GRBT-20
431.	Machine Learning	201CS603	Employability/Skill Development	2020-2021	GRBT-20
432.	Solid Waste Management	201CE665a	Employability/Skill Development	2020-2021	GRBT-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
433.	Concepts of Power System Engineering	201EE665a	Employability/Skill Development	2020-2021	GRBT-20
434.	Introduction to MEMS	201ME665a	Employability/Skill Development	2020-2021	GRBT-20
435.	IOTand its Applications	201EC665a	Employability/Skill Development	2020-2021	GRBT-20
436.	Fundamentals of Databases	201CS665a	Employability/Skill Development	2020-2021	GRBT-20
437.	Open Pit Slope Analysis and Design	201MM665a	Employability/Skill Development	2020-2021	GRBT-20
438.	Hybrid and Electric Vehicles	201AM665a	Employability/Skill Development	2020-2021	GRBT-20
439.	Basic Concepts in Petroleum Drilling Engineering	201PT665a	Employability/Skill Development	2020-2021	GRBT-20
440.	Operations Management	201MB665a	Employability/Skill Development	2020-2021	GRBT-20
441.	Software Testing Methodologies	201CS664A	Employability/Skill Development	2020-2021	GRBT-20
442.	E-Commerce	201CS664B	Employability/Skill Development	2020-2021	GRBT-20
443.	Mean Stack Technologies	201CS664C	Employability/Skill Development	2020-2021	GRBT-20
444.	Advanced Data Structures	201CS664D	Employability/Skill Development	2020-2021	GRBT-20
445.	IPR and Patents	201MB691	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20
446.	English for Career	201HB681	Skill Development	2020-2021	GRBT-20
447.	Cryptography & Network Security Lab	201CS611	Employability/Skill Development	2020-2021	GRBT-20
448.	Big Data Analytics Lab	201CS612	Employability/Skill Development	2020-2021	GRBT-20
449.	Machine Learning using Python Lab	201CS613	Employability/Skill Development	2020-2021	GRBT-20
450.	Compiler Design	19150501	Employability/Skill Development	2019-2020	GRBT-19
451.	Web Technologies	19150502	Employability/Skill Development	2019-2020	GRBT-19
452.	Software Engineering	19150503	Employability/Skill Development	2019-2020	GRBT-19
453.	Computer Networks	19150504	Employability/Skill Development	2019-2020	GRBT-19

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
454.	Advanced JAVA Programming	19150565A	Employability/Entrepreneurship/Skill Development	2019-2020	GRBT-19
455.	Principles of Computer Security	19150565B	Skill Development	2019-2020	GRBT-19
456.	Mobile Computing	19150565C	Skill Development	2019-2020	GRBT-19
457.	Environmental Pollution Control	19151566a	Skill Development	2019-2020	GRBT-19
458.	Utilization of Electrical Energy	19151566b	Skill Development	2019-2020	GRBT-19
459.	Robotics	19151566c	Skill Development	2019-2020	GRBT-19
460.	Internet of Things	19151566d	Skill Development	2019-2020	GRBT-19
461.	Operating Systems	19151566e	Skill Development	2019-2020	GRBT-19
462.	Elements of Mining Technology	19151566f	Skill Development	2019-2020	GRBT-19
463.	Basic Automobile Engineering	19151566g	Skill Development	2019-2020	GRBT-19
464.	Compiler Design & Computer Networks Laboratory	19150511	Employability/Skill Development	2019-2020	GRBT-19
465.	Web Technologies Laboratory	19150512	Employability/Skill Development	2019-2020	GRBT-19
466.	Community Service Oriented Project	19150581	Employability/Skill Development	2019-2020	GRBT-19
467.	Mini Project-1/ Study Project/ Internship	19150522	Employability/Skill Development	2019-2020	GRBT-19
468.	Data Mining	19150601	Employability/Skill Development	2019-2020	GRBT-19
469.	Artificial Intelligence	19150602	Employability/Entrepreneurship/Skill Development	2019-2020	GRBT-19
470.	Unified Modelling Language	19150603	Employability/Entrepreneurship/Skill Development	2019-2020	GRBT-19
471.	Distributed Systems	19150664C	Employability/Skill Development	2019-2020	GRBT-19
472.	Energy Management	19152665b	Employability/Skill Development	2019-2020	GRBT-19
473.	Constitution of India	19151696	Skill Development	2019-2020	GRBT-19
474.	Soft Skills	19150611	Skill Development	2019-2020	GRBT-19

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
475.	AI Tools & Techniques Laboratory	19150612	Employability/Skill Development	2019-2020	GRBT-19
476.	Unified Modeling Language Laboratory	19150613	Employability/Entrepreneurship/Skill Development	2019-2020	GRBT-19
477.	Mathematical Foundations of Computer Science	20251101	Skill Development	2020-2021	GRMT-20
478.	Advanced Data Structures	20251102	Skill Development	2020-2021	GRMT-20
479.	Big Data Analytics	20251163A	Employability/Skill Development	2020-2021	GRMT-20
480.	Digital Image Processing	20251163B	Employability/Skill Development	2020-2021	GRMT-20
481.	Advanced Operating Systems	20251163C	Employability/Skill Development	2020-2021	GRMT-20
482.	Advanced Computer Networks	20251164A	Employability/Skill Development	2020-2021	GRMT-20
483.	Internet of Things	20251164B	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
484.	Object Oriented Software Engineering	20251164C	Employability/Skill Development	2020-2021	GRMT-20
485.	Research Methodology	20251105	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
486.	Advanced Data Structures Lab	20251116	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
487.	Advanced Computing Lab	20251117	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
488.	English for Research Paper Writing	20251198A	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
489.	Constitution of India	20251198B	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
490.	Disaster Management	20251198C	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
491.	Machine Learning	20251201	Employability/Skill Development	2020-2021	GRMT-20
492.	MEAN Stack Technologies	20251202	Employability/Skill Development	2020-2021	GRMT-20
493.	Advanced Databases	20251263A	Employability/Skill Development	2020-2021	GRMT-20
494.	Data Mining	20251263B	Employability/Skill Development	2020-2021	GRMT-20
495.	Data Science	20251263C	Employability/Skill Development	2020-2021	GRMT-20
496.	Cloud Computing	20251264A	Employability/Skill Development	2020-2021	GRMT-20
497.	Principles of Computer Security	20251264A	Employability/Skill Development	2020-2021	GRMT-20
498.	High Performance Computing	20251264A	Employability/Skill Development	2020-2021	GRMT-20
499.	Machine Learning with Python lab	20251215	Employability/Skill Development	2020-2021	GRMT-20
500.	MEAN Stack Technologies Lab	20251216	Employability/Skill Development	2020-2021	GRMT-20
501.	Mini Project with Seminar	20251227	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
502.	Pedagogy Studies	20251298A	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
503.	Value Education	20251299A	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
504.	Personality Development through Life Enlightenment skills	20251300A	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
505.	Deep Learning	20251301A	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
506.	Social Network Analysis	20251441A	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
507.	(NPTEL/SWAYAM) 12	20251441B	Skill Development	2020-2021	GRMT-20
508.	Machine Learning	20251441C	Employability/Skill Development	2020-2021	GRMT-20
509.	Cyber Security	20251198	Employability/Skill Development	2020-2021	GRMT-20
510.	Dissertation-I/ Industrial Project	20251341	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
511.	Dissertation-II/ Industrial Project #	20251441	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20

B.Tech. (Mining Engineering)

Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
512.	Probability & Statistics	201HB301A	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20
513.	Mine Development	201MM302	Skill Development	2020-2021	GRBT-20
514.	Mine Surveying	201MM303	Skill Development	2020-2021	GRBT-20
515.	Mining Geology	201MM304	Skill Development	2020-2021	GRBT-20
516.	Mining Machinery	201MM305	Skill Development	2020-2021	GRBT-20
517.	Mine Surveying Lab	201MM311	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20
518.	Mining Geology Lab	201MM312	Skill Development	2020-2021	GRBT-20
519.	Mining Machinery Lab	201MM313	Skill Development	2020-2021	GRBT-20
520.	Programming with Python	201CS381	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
521.	Constitution of India	201CE391	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20
522.	Mineral Processing	201MM401	Skill Development	2020-2021	GRBT-20
523.	Advanced Mine Surveying	201MM402	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20
524.	Surface Mining	201MM403	Skill Development	2020-2021	GRBT-20
525.	Underground Coal Mining	201MM404	Skill Development	2020-2021	GRBT-20
526.	Mine System Engineering	201MM405	Skill Development	2020-2021	GRBT-20
527.	Mineral Processing Lab	201MM411	Skill Development	2020-2021	GRBT-20
528.	Advanced Mine Surveying Lab	201MM412	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20
529.	Engineering Geology Lab	201MM413	Skill Development	2020-2021	GRBT-20
530.	CAD for Mining	201MM481	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20
531.	Mine Systems Engineering	19160501	Skill Development	2019-2020	GRBT-19
532.	Underground Metal Mining	19160502	Skill Development	2019-2020	GRBT-19
533.	Mine Ventilation	19160503	Skill Development	2019-2020	GRBT-19
534.	Mine Planning & Design	19160504	Employability/Entrepreneurship/Skill Development	2019-2020	GRBT-19
535.	Mine Transportation	19160565A	Skill Development	2019-2020	GRBT-19
536.	Mine Valuation	19160565B	Skill Development	2019-2020	GRBT-19
537.	Rock Excavation Engineering	19160565C	Skill Development	2019-2020	GRBT-19
538.	Advanced Coal Mining	19160565D	Skill Development	2019-2020	GRBT-19
539.	Environmental Pollution & Control in Mines	19160565E	Skill Development	2019-2020	GRBT-19
540.	MECH - MEMS	19163566a	Skill Development	2019-2020	GRBT-19

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
541.	CSE- Information Security	19163566a	Skill Development	2019-2020	GRBT-19
542.	EEE – Energy management	19163566a	Skill Development	2019-2020	GRBT-19
543.	ECE – Digital Image Processing	19163566a	Skill Development	2019-2020	GRBT-19
544.	CE – Solid Waste Management	19163566a	Skill Development	2019-2020	GRBT-19
545.	AME – Hybrid and Electric Vehicles	19163566a	Skill Development	2019-2020	GRBT-19
546.	MM – Disaster Management in Mining	19163566a	Skill Development	2019-2020	GRBT-19
547.	Constitution of India	19160587	Employability/Entrepreneurship/Skill Development	2019-2020	GRBT-19
548.	Mine Ventilation Laboratory	19160511	Skill Development	2019-2020	GRBT-19
549.	Mine Planning & Design Laboratory	19160512	Skill Development	2019-2020	GRBT-19
550.	Mini Project-1/Study Project/Internship	19160521	Employability/Entrepreneurship/Skill Development	2019-2020	GRBT-19
551.	Rock Mechanics	19160601	Skill Development	2019-2020	GRBT-19
552.	Mineral Processing	19160602	Skill Development	2019-2020	GRBT-19
553.	Mineral Economics	19160603	Skill Development	2019-2020	GRBT-19
554.	Planning of Surface Mines	19160664A	Skill Development	2019-2020	GRBT-19
555.	Enterprise Resource Planning	19160664B	Skill Development	2019-2020	GRBT-19
556.	Mine Strata Control	19160664C	Skill Development	2019-2020	GRBT-19
557.	Innovative Mining Systems	19160664D	Skill Development	2019-2020	GRBT-19
558.	Environmental Impact Assessment in Mines	19160664E	Skill Development	2019-2020	GRBT-19
559.	MECH – Nano Technology	19163665a	Skill Development	2019-2020	GRBT-19
560.	CSE – Human Computer Interaction	19163665a	Skill Development	2019-2020	GRBT-19
561.	EEE – Renewable Energy Resources	19163665a	Skill Development	2019-2020	GRBT-19
562.	ECE – Data Communication	19163665a	Skill Development	2019-2020	GRBT-19

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RAJAHMUNDRY-533 296

Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
563.	CE – Global Environment: Problems & Policies	19163665a	Skill Development	2019-2020	GRBT-19
564.	AME – AME – Modern Vehicle Technology	19163665a	Skill Development	2019-2020	GRBT-19
565.	MM- Remote Sensing & GIS in Mining	19163665a	Skill Development	2019-2020	GRBT-19
566.	Community Service Oriented Project	19160621	Skill Development	2019-2020	GRBT-19
567.	Soft Skills	19169686	Employability/Entrepreneurship/Skill Development	2019-2020	GRBT-19
568.	Rock Mechanics Laboratory	19160611	Skill Development	2019-2020	GRBT-19
569.	Mineral Processing Laboratory	19160612	Skill Development	2019-2020	GRBT-19

B.Tech. (Automobile Engineering)

Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
570.	Communicative English-II	19198102	Skill Development	2019-2020	GRBT-19
571.	Communicative English Lab-1	19198111	Skill Development	2019-2020	GRBT-19
572.	Professional Ethics And Human Values	19198194	Entrepreneurship	2019-2020	GRBT-19
573.	Problem Solving & Programming In C	19195206	Skill Development	2019-2020	GRBT-19
574.	Communicative English-II	19198202	Skill Development	2019-2020	GRBT-19
575.	English Communication Skills Lab-II	19198211	Skill Development	2019-2020	GRBT-19
576.	Design Thinking and Innovation	19170386	Skill Development	2019-2020	GRBT-19
577.	Automotive Engines	19170403	Skill Development	2019-2020	GRBT-19
578.	Internet of Things	19170466d	Skill Development	2019-2020	GRBT-19
579.	Community Service Oriented Project	19170421	Skill Development	2019-2020	GRBT-19

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Godavari Institute of Engineering & Tech.(A)
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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
580.	Industrial Engineering & Management	19170564D	Employability/Entrepreneurship/Skill Deveopment	2019-2020	GRBT-19
581.	Information Security	19170565b	Skill Development/Entrepreneurship	2019-2020	GRBT-19
582.	Soft Skills	19179511	Skill Development/Entrepreneurship	2019-2020	GRBT-19
583.	Mini Project-1/Study Project/Internship	19170521	Skill Development/Entrepreneurship	2019-2020	GRBT-19
584.	Automotive Aerodynamics	19170665C	Skill Development/Entrepreneurship	2019-2020	GRBT-19
585.	Special Purpose Vehicles	19170665E	Skill Development/Entrepreneurship	2019-2020	GRBT-19
586.	Nano Technology	19173666a	Skill Development/Entrepreneurship	2019-2020	GRBT-19
587.	Modern Vehicle Technology	19170666f	Skill Development/Entrepreneurship	2019-2020	GRBT-19
588.	Constitution Of India	19170697	Skill Development/Entrepreneurship	2019-2020	GRBT-19
589.	Accident Analysis	19170621	Skill Development/Entrepreneurship	2019-2020	GRBT-19
590.	Vehicle Dynamics	19170701	Skill Development	2019-2020	GRBT-19
591.	Hybrid Electric & Fuel Cell Vehicles	19170702	Skill Development	2019-2020	GRBT-19
592.	Operations Research	19170765D	Employability/Entrepreneurship	2019-2020	GRBT-19
593.	Managerial Economics And Financial Analysis	19179766a	Employability/Entrepreneurship/Skill Development	2019-2020	GRBT-19
594.	Entrepreneurship Qualities For Engineers	19179766b	Employability/Entrepreneurship/Skill Development	2019-2020	GRBT-19
595.	Principles Of Management	19179766c	Employability/Entrepreneurship/Skill Development	2019-2020	GRBT-19
596.	Financial Management For Engineers	19179766d	Employability/Entrepreneurship/Skill Development	2019-2020	GRBT-19
597.	Operations Management	19179766e	Employability/Entrepreneurship/Skill Development	2019-2020	GRBT-19

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RAJAHMUNDY-533296

Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
598.	Digital Marketing	19179766f	Employability/Entrepreneurship/Skill Development	2019-2020	GRBT-19
599.	Total Quality Management	19179766g	Employability/Entrepreneurship/Skill Development	2019-2020	GRBT-19
600.	Organizational Behavior	19179766h	Employability/Entrepreneurship/Skill Development	2019-2020	GRBT-19
601.	Human Resource Management	19179766i	Employability/Entrepreneurship/Skill Development t	2019-2020	GRBT-19
602.	IPR & Patents	19170787	Employability/Entrepreneurship/Skill Development	2019-2020	GRBT-19
603.	Mini Project-2/Internship	19170721	Skill Development/Entrepreneurship	2019-2020	GRBT-19
604.	Computational Fluid Dynamics	19170861C	Employability/Skill Development	2019-2020	GRBT-19
605.	Principles Of Entrepreneurship	19170861D	Employability/Entrepreneurship	2019-2020	GRBT-19
606.	Simulation Of Si &Ci Engines	19170862C	Skill Development	2019-2020	GRBT-19
607.	Modern Vehicle Technology	19170862D	Skill Development	2019-2020	GRBT-19
608.	Project	19170841	Employability/Entrepreneurship/Skill Development	2019-2020	GRBT-19
609.	Communicative English-1	201HB102	Skill Development	2020-2021	GRBT-20
610.	Engineering Graphics	201ME105	Skill Development	2020-2021	GRBT-20
611.	Basic Engineering Workshop	201ME113d	Skill Development	2020-2021	GRBT-20
612.	Fundamentals Of Computer Programming	201CS204a	Skill Development	2020-2021	GRBT-20
613.	Fundamentals Of Automobile Engineering	201AM205	Skill Development	2020-2021	GRBT-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
614.	Communicative English Laboratory	201HB212	Skill Development/Entrepreneurship	2020-2021	GRBT-20
615.	Fundamentals Of Computer Programming Laboratory	201CS213a	Skill Development/Entrepreneurship	2020-2021	GRBT-20
616.	Automobile Chassis Components Lab	201AM312	Skill Development	2020-2021	GRBT-20
617.	English For Career	201HB381	Skill Development/Entrepreneurship	2020-2021	GRBT-20
618.	Automobile Assembly Drawing Lab	201AM411	Skill Development	2020-2021	GRBT-20
619.	Programming With Python	201CS481A	Skill Development/Entrepreneurship	2020-2021	GRBT-20
620.	Auto Scanning And Vehicle Testing Lab	201AM512	Skill Development	2020-2021	GRBT-20
621.	Electric Vehicle Design & Assembling	201AM581	Skill Development	2020-2021	GRBT-20
622.	IPR And Patents	201MB591	Skill Development/Entrepreneurship	2020-2021	GRBT-20
623.	Theory Of Machines Lab	201AM611	Skill Development	2020-2021	GRBT-20
624.	Vehicle Maintenance Lab	201AM612	Skill Development	2020-2021	GRBT-20
625.	Heat Transfer Lab	201AM613	Skill Development	2020-2021	GRBT-20
626.	Accident Analysis	201AM681	Skill Development/Entrepreneurship	2020-2021	GRBT-20
627.	Quantitative Aptitude And Reasoning	201HB691	Skill Development/Entrepreneurship	2020-2021	GRBT-20
628.	Additive Manufacturing	201AM781	Skill Development/Entrepreneurship	2020-2021	GRBT-20
629.	Principles Of Management	201MB565a	Skill Development/Entrepreneurship	2020-2021	GRBT-20
630.	Operations Management	201MB665a	Skill Development/Entrepreneurship	2020-2021	GRBT-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
631.	Entrepreneurship For Engineers	201MB764a	Skill Development/Entrepreneurship	2020-2021	GRBT-20
632.	Digital Marketing	201MB765a	Skill Development/Entrepreneurship	2020-2021	GRBT-20

B.Tech. (Petroleum Engineering)

Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
633.	Communicative English	201HB102	Skill Development	2020-2021	GRBT-20
634.	Engineering Chemistry	201HB103b	Skill Development	2020-2021	GRBT-20
635.	Basic Electrical & Electronics Engineering	201EE104	Skill Development	2020-2021	GRBT-20
636.	Engineering Graphics	201ME105	Skill Development	2020-2021	GRBT-20
637.	Engineering Chemistry Laboratory	201HB111b	Skill Development	2020-2021	GRBT-20
638.	Basic Electrical & Electronics Engineering Laboratory	201EE112	Skill Development	2020-2021	GRBT-20
639.	Basic Engineering Workshop	201ME113d	Employability/Skill Development	2020-2021	GRBT-20
640.	Mathematics-II	201HB201	Employability/Skill Development	2020-2021	GRBT-20
641.	Engineering Physics	201HB202b	Employability/Skill Development	2020-2021	GRBT-20
642.	Engineering Mechanics	201ME203a	Employability/Skill Development	2020-2021	GRBT-20
643.	Fundamentals of Computer Programming	201HB204a	Skill Development	2020-2021	GRBT-20
644.	Materials Science and Metallurgy	201ME205	Skill Development	2020-2021	GRBT-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
645.	Fundamentals of Computer Programming Laboratory	201CS213a	Employability/Skill Development	2020-2021	GRBT-20
646.	Engineering Physics Laboratory	201HB211b	Skill Development	2020-2021	GRBT-20
647.	Communicative English Laboratory	201HB212	Skill Development	2020-2021	GRBT-20
648.	Environmental Science	201HB296	Skill Development	2020-2021	GRBT-20
649.	Mathematics-III	201HB301	Employability	2020-2021	GRBT-20
650.	Managerial Economics and Financial Analysis	201HB305	Employability/Skill Development	2020-2021	GRBT-20
651.	Fluid Mechanics for Petroleum Engineers	201HB202	Employability/Skill Development	2020-2021	GRBT-20
652.	Petroleum Geology	201HB303	Employability/Skill Development	2020-2021	GRBT-20
653.	Process Calculation	201HB304	Employability/Skill Development	2020-2021	GRBT-20
654.	Computational Methods Laboratory	201PT311	Skill Development	2020-2021	GRBT-20
655.	Fluid Mechanics Laboratory	201PT312	Employability/Skill Development	2020-2021	GRBT-20
656.	Petroleum Geology Laboratory	201PT313	Skill Development	2020-2021	GRBT-20
657.	Programming with Python	201CS381	Skill Development	2020-2021	GRBT-20
658.	Constitution of India	201CS391	Skill Development	2020-2021	GRBT-20
659.	Elements of Mechanical Engineering	201PT401	Skill Development	2020-2021	GRBT-20
660.	Instrumentation, Process Dynamics & Controls	201PT402	Skill Development	2020-2021	GRBT-20
661.	Petroleum Exploration	201PT403	Employability/Skill Development	2020-2021	GRBT-20
662.	Process Heat Transfer	201PT404	Employability/Skill Development	2020-2021	GRBT-20
663.	Process Thermodynamics	201PT405	Employability/Skill Development	2020-2021	GRBT-20
664.	Instrumentation, Process Dynamics & Controls Laboratory	201PT411	Employability/Skill Development	2020-2021	GRBT-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
665.	Petroleum Analysis Laboratory	201PT412	Employability/Skill Development	2020-2021	GRBT-20
666.	Process Heat Transfer Laboratory	201PT413	Employability/Skill Development	2020-2021	GRBT-20
667.	Engineering Exploration Project	201PT414	Employability/Skill Development	2020-2021	GRBT-20

B.Tech. (Artificial Intelligence & Machine Learning)

Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
668.	Mathematics-I	201HB101	Skill Development	2020-2021	GRBT-20
669.	Communicative English	201HB102	Skill Development	2020-2021	GRBT-20
670.	Applied Physics	201HB103a	Skill Development	2020-2021	GRBT-20
671.	Problem Solving & Programming in C	201CS104	Employability/Skill Development	2020-2021	GRBT-20
672.	Fundamentals of Digital Electronics	201CS105	Employability/Skill Development	2020-2021	GRBT-20
673.	Environmental Science	201HB196	Employability/Skill Development	2020-2021	GRBT-20
674.	Applied Physics Laboratory	201HB111a	Skill Development	2020-2021	GRBT-20
675.	Problem Solving & Programming in C Lab	201CS112	Employability/Skill Development	2020-2021	GRBT-20
676.	Computer Engineering Workshop	201ME113c	Employability/Skill Development	2020-2021	GRBT-20
677.	Mathematics-II	201HB201	Skill Development	2020-2021	GRBT-20
678.	Engineering Chemistry	201HB202	Skill Development	2020-2021	GRBT-20
679.	Engineering Graphics	201ME203	Employability/Skill Development	2020-2021	GRBT-20
680.	Data Structures	201CS204	Employability/Skill Development	2020-2021	GRBT-20
681.	Python Programming	201CS205	Employability/Skill Development	2020-2021	GRBT-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
682.	Engineering Chemistry Laboratory	201HB211	Skill Development	2020-2021	GRBT-20
683.	Communicative English Lab	201HB212	Skill Development	2020-2021	GRBT-20
684.	Data Structures Lab	201CS213	Employability/Skill Development	2020-2021	GRBT-20
685.	Mathematical Foundations of Computer Science	201CS301	Employability/Skill Development	2020-2021	GRBT-20
686.	Design and Analysis of Algorithms	201CS302	Employability/Skill Development	2020-2021	GRBT-20
687.	Computer Organization	201CS303	Employability/Skill Development	2020-2021	GRBT-20
688.	Object Oriented Programming through JAVA	201CS304	Employability/Skill Development	2020-2021	GRBT-20
689.	Managerial Economics and Financial Analysis	201HB305	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20
690.	Data Analysis Lab	201CS311	Employability/Skill Development	2020-2021	GRBT-20
691.	Object Oriented Programming through JAVA Lab	201CS312	Employability/Skill Development	2020-2021	GRBT-20
692.	Linux and Shell Programming Lab	201CS313	Employability/Skill Development	2020-2021	GRBT-20
693.	Web Application Development Using Full Stack Module -1	201CS381	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20
694.	Constitution of India	201CE391	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20
695.	Statistics with R Programming	201CS401	Skill Development	2020-2021	GRBT-20
696.	Formal Languages and Automata Theory	201CS402	Employability/Skill Development	2020-2021	GRBT-20
697.	Operating Systems	201CS403	Employability/Skill Development	2020-2021	GRBT-20
698.	Database Management Systems	201CS404	Employability/Skill Development	2020-2021	GRBT-20
699.	Software Engineering	201CS405	Employability/Skill Development	2020-2021	GRBT-20
700.	R Programming Lab	201CS411	Employability/Skill Development	2020-2021	GRBT-20
701.	Database Management Systems Lab	201CS412	Employability/Skill Development	2020-2021	GRBT-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
702.	Operating Systems & Software Engineering Lab	201CS413	Employability/Skill Development	2020-2021	GRBT-20
703.	Web Application Development Using Full Stack Module -2	201CS481	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20
704.	Data Mining and Data Warehousing	201CS501	Employability/Skill Development	2020-2021	GRBT-20
705.	Compiler Design	201CS502	Employability/Skill Development	2020-2021	GRBT-20
706.	Computer Networks	201CS503	Employability/Skill Development	2020-2021	GRBT-20
707.	Environmental Pollution & Control	201CE565a	Skill Development	2020-2021	GRBT-20
708.	Fundamentals of Utilization of Electrical Energy	201EE565a	Skill Development	2020-2021	GRBT-20
709.	Robotics	201ME565a	Skill Development	2020-2021	GRBT-20
710.	Microprocessors and Microcontrollers	201EC565a	Employability/Skill Development	2020-2021	GRBT-20
711.	Foundations of Operating Systems	201CS565a	Employability/Skill Development	2020-2021	GRBT-20
712.	Elements of Mining Technology	201MM565a	Employability/Skill Development	2020-2021	GRBT-20
713.	Basic Automobile Engineering	201AM565a	Employability/Skill Development	2020-2021	GRBT-20
714.	Fundamentals of Petroleum Engineering	201PT565a	Employability/Skill Development	2020-2021	GRBT-20
715.	Principles of Management	201MB565a	Employability/Skill Development	2020-2021	GRBT-20
716.	Natural Language Processing	201CS564A	Employability/Skill Development	2020-2021	GRBT-20
717.	Data Science	201CS564B	Employability/Skill Development	2020-2021	GRBT-20
718.	Artificial Intelligence	201CS564C	Employability/Skill Development	2020-2021	GRBT-20
719.	Object Oriented Analysis & Design	201CS564D	Employability/Skill Development	2020-2021	GRBT-20
720.	Quantitative Aptitude and Reasoning	201HB591	Skill Development	2020-2021	GRBT-20
721.	Web Application Development Using Full Stack Module -3	201CS581	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
722.	Data Mining and Data Warehousing Lab	201CS511	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20
723.	Internetworking Protocol Lab	201CS512	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20
724.	Mini Project-1	201CS521	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20
725.	Cryptography & Network Security	201CS601	Employability/Skill Development	2020-2021	GRBT-20
726.	Big Data Analytics	201CS602	Employability/Skill Development	2020-2021	GRBT-20
727.	Machine Learning	201CS603	Employability/Skill Development	2020-2021	GRBT-20
728.	Solid Waste Management	201CE665a	Employability/Skill Development	2020-2021	GRBT-20
729.	Concepts of Power System Engineering	201EE665a	Employability/Skill Development	2020-2021	GRBT-20
730.	Introduction to MEMS	201ME665a	Employability/Skill Development	2020-2021	GRBT-20
731.	IOT and its Applications	201EC665a	Employability/Skill Development	2020-2021	GRBT-20
732.	Fundamentals of Databases	201CS665a	Employability/Skill Development	2020-2021	GRBT-20
733.	Open Pit Slope Analysis and Design	201MM665a	Employability/Skill Development	2020-2021	GRBT-20
734.	Hybrid and Electric Vehicles	201AM665a	Employability/Skill Development	2020-2021	GRBT-20
735.	Basic Concepts in Petroleum Drilling Engineering	201PT665a	Employability/Skill Development	2020-2021	GRBT-20
736.	Operations Management	201MB665a	Employability/Skill Development	2020-2021	GRBT-20
737.	Software Testing Methodologies	201CS664A	Employability/Skill Development	2020-2021	GRBT-20
738.	E-Commerce	201CS664B	Employability/Skill Development	2020-2021	GRBT-20
739.	Mean Stack Technologies	201CS664C	Employability/Skill Development	2020-2021	GRBT-20
740.	Advanced Data Structures	201CS664D	Employability/Skill Development	2020-2021	GRBT-20
741.	IPR and Patents	201MB691	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
742.	English for Career	201HB681	Skill Development	2020-2021	GRBT-20
743.	Cryptography & Network Security Lab	201CS611	Employability/Skill Development	2020-2021	GRBT-20
744.	Big Data Analytics Lab	201CS612	Employability/Skill Development	2020-2021	GRBT-20
745.	Machine Learning using Python Lab	201CS613	Employability/Skill Development	2020-2021	GRBT-20
746.	Compiler Design	19150501	Employability/Skill Development	2019-2020	GRBT-19
747.	Web Technologies	19150502	Employability/Skill Development	2019-2020	GRBT-19
748.	Software Engineering	19150503	Employability/Skill Development	2019-2020	GRBT-19
749.	Computer Networks	19150504	Employability/Skill Development	2019-2020	GRBT-19
750.	Advanced JAVA Programming	19150565A	Employability/Entrepreneurship/Skill Development	2019-2020	GRBT-19
751.	Principles of Computer Security	19150565B	Skill Development	2019-2020	GRBT-19
752.	Mobile Computing	19150565C	Skill Development	2019-2020	GRBT-19
753.	Environmental Pollution Control	19151566a	Skill Development	2019-2020	GRBT-19
754.	Utilization of Electrical Energy	19151566b	Skill Development	2019-2020	GRBT-19
755.	Robotics	19151566c	Skill Development	2019-2020	GRBT-19
756.	Internet of Things	19151566d	Skill Development	2019-2020	GRBT-19
757.	Operating Systems	19151566e	Skill Development	2019-2020	GRBT-19
758.	Elements of Mining Technology	19151566f	Skill Development	2019-2020	GRBT-19
759.	Basic Automobile Engineering	19151566g	Skill Development	2019-2020	GRBT-19
760.	Compiler Design & Computer Networks Laboratory	19150511	Employability/Skill Development	2019-2020	GRBT-19
761.	Web Technologies Laboratory	19150512	Employability/Skill Development	2019-2020	GRBT-19
762.	Community Service Oriented Project	19150581	Employability/Skill Development	2019-2020	GRBT-19
763.	Mini Project-1/ Study Project/ Internship	19150522	Employability/Skill Development	2019-2020	GRBT-19

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
764.	Data Mining	19150601	Employability/Skill Development	2019-2020	GRBT-19
765.	Artificial Intelligence	19150602	Employability/Entrepreneurship/Skill Development	2019-2020	GRBT-19
766.	Unified Modelling Language	19150603	Employability/Entrepreneurship/Skill Development	2019-2020	GRBT-19
767.	Distributed Systems	19150664C	Employability/Skill Development	2019-2020	GRBT-19
768.	Energy Management	19152665b	Employability/Skill Development	2019-2020	GRBT-19
769.	Constitution of India	19151696	Skill Development	2019-2020	GRBT-19
770.	Soft Skills	19150611	Skill Development	2019-2020	GRBT-19
771.	AI Tools & Techniques Laboratory	19150612	Employability/Skill Development	2019-2020	GRBT-19
772.	Unified Modeling Language Laboratory	19150613	Employability/Entrepreneurship/Skill Development	2019-2020	GRBT-19
773.	Mathematical Foundations of Computer Science	20251101	Skill Development	2020-2021	GRMT-20
774.	Advanced Data Structures	20251102	Skill Development	2020-2021	GRMT-20
775.	Big Data Analytics	20251163A	Employability/Skill Development	2020-2021	GRMT-20
776.	Digital Image Processing	20251163B	Employability/Skill Development	2020-2021	GRMT-20
777.	Advanced Operating Systems	20251163C	Employability/Skill Development	2020-2021	GRMT-20
778.	Advanced Computer Networks	20251164A	Employability/Skill Development	2020-2021	GRMT-20
779.	Internet of Things	20251164B	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
780.	Object Oriented Software Engineering	20251164C	Employability/Skill Development	2020-2021	GRMT-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
781.	Research Methodology	20251105	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
782.	Advanced Data Structures Lab	20251116	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
783.	Advanced Computing Lab	20251117	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
784.	English for Research Paper Writing	20251198A	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
785.	Constitution of India	20251198B	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
786.	Disaster Management	20251198C	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
787.	Machine Learning	20251201	Employability/Skill Development	2020-2021	GRMT-20
788.	MEAN Stack Technologies	20251202	Employability/Skill Development	2020-2021	GRMT-20
789.	Advanced Databases	20251263A	Employability/Skill Development	2020-2021	GRMT-20
790.	Data Mining	20251263B	Employability/Skill Development	2020-2021	GRMT-20
791.	Data Science	20251263C	Employability/Skill Development	2020-2021	GRMT-20
792.	Cloud Computing	20251264A	Employability/Skill Development	2020-2021	GRMT-20
793.	Principles of Computer Security	20251264A	Employability/Skill Development	2020-2021	GRMT-20
794.	High Performance Computing	20251264A	Employability/Skill Development	2020-2021	GRMT-20
795.	Machine Learning with Python lab	20251215	Employability/Skill Development	2020-2021	GRMT-20
796.	MEAN Stack Technologies Lab	20251216	Employability/Skill Development	2020-2021	GRMT-20
797.	Mini Project with Seminar	20251227	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
798.	Pedagogy Studies	20251298A	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
799.	Value Education	20251299A	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
800.	Personality Development through Life Enlightenment skills	20251300A	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
801.	Deep Learning	20251301A	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
802.	Social Network Analysis	20251441A	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
803.	(NPTEL/SWAYAM) 12	20251441B	Skill Development	2020-2021	GRMT-20
804.	Machine Learning	20251441C	Employability/Skill Development	2020-2021	GRMT-20
805.	Cyber Security	20251198	Employability/Skill Development	2020-2021	GRMT-20
806.	Dissertation-I/ Industrial Project	20251341	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
807.	Dissertation-II/ Industrial Project #	20251441	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20

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B.Tech. (Cyber Security)

Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
808.	Mathematics-I	201HB101	Skill Development	2020-2021	GRBT-20
809.	Communicative English	201HB102	Skill Development	2020-2021	GRBT-20
810.	Applied Physics	201HB103a	Skill Development	2020-2021	GRBT-20
811.	Problem Solving & Programming in C	201CS104	Employability/Skill Development	2020-2021	GRBT-20
812.	Fundamentals of Digital Electronics	201CS105	Employability/Skill Development	2020-2021	GRBT-20
813.	Environmental Science	201HB196	Employability/Skill Development	2020-2021	GRBT-20
814.	Applied Physics Laboratory	201HB111a	Skill Development	2020-2021	GRBT-20
815.	Problem Solving & Programming in C Lab	201CS112	Employability/Skill Development	2020-2021	GRBT-20
816.	Computer Engineering Workshop	201ME113c	Employability/Skill Development	2020-2021	GRBT-20
817.	Mathematics-II	201HB201	Skill Development	2020-2021	GRBT-20
818.	Engineering Chemistry	201HB202	Skill Development	2020-2021	GRBT-20
819.	Engineering Graphics	201ME203	Employability/Skill Development	2020-2021	GRBT-20
820.	Data Structures	201CS204	Employability/Skill Development	2020-2021	GRBT-20
821.	Python Programming	201CS205	Employability/Skill Development	2020-2021	GRBT-20
822.	Engineering Chemistry Laboratory	201HB211	Skill Development	2020-2021	GRBT-20
823.	Communicative English Lab	201HB212	Skill Development	2020-2021	GRBT-20
824.	Data Structures Lab	201CS213	Employability/Skill Development	2020-2021	GRBT-20
825.	Mathematical Foundations of Computer Science	201CS301	Employability/Skill Development	2020-2021	GRBT-20
826.	Design and Analysis of Algorithms	201CS302	Employability/Skill Development	2020-2021	GRBT-20
827.	Computer Organization	201CS303	Employability/Skill Development	2020-2021	GRBT-20
828.	Object Oriented Programming through JAVA	201CS304	Employability/Skill Development	2020-2021	GRBT-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
829.	Managerial Economics and Financial Analysis	201HB305	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20
830.	Data Analysis Lab	201CS311	Employability/Skill Development	2020-2021	GRBT-20
831.	Object Oriented Programming through JAVA Lab	201CS312	Employability/Skill Development	2020-2021	GRBT-20
832.	Linux and Shell Programming Lab	201CS313	Employability/Skill Development	2020-2021	GRBT-20
833.	Web Application Development Using Full Stack Module -1	201CS381	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20
834.	Constitution of India	201CE391	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20
835.	Statistics with R Programming	201CS401	Skill Development	2020-2021	GRBT-20
836.	Formal Languages and Automata Theory	201CS402	Employability/Skill Development	2020-2021	GRBT-20
837.	Operating Systems	201CS403	Employability/Skill Development	2020-2021	GRBT-20
838.	Database Management Systems	201CS404	Employability/Skill Development	2020-2021	GRBT-20
839.	Software Engineering	201CS405	Employability/Skill Development	2020-2021	GRBT-20
840.	R Programming Lab	201CS411	Employability/Skill Development	2020-2021	GRBT-20
841.	Database Management Systems Lab	201CS412	Employability/Skill Development	2020-2021	GRBT-20
842.	Operating Systems & Software Engineering Lab	201CS413	Employability/Skill Development	2020-2021	GRBT-20
843.	Web Application Development Using Full Stack Module -2	201CS481	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20
844.	Data Mining and Data Warehousing	201CS501	Employability/Skill Development	2020-2021	GRBT-20
845.	Compiler Design	201CS502	Employability/Skill Development	2020-2021	GRBT-20
846.	Computer Networks	201CS503	Employability/Skill Development	2020-2021	GRBT-20
847.	Environmental Pollution & Control	201CE565a	Skill Development	2020-2021	GRBT-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
848.	Fundamentals of Utilization of Electrical Energy	201EE565a	Skill Development	2020-2021	GRBT-20
849.	Robotics	201ME565a	Skill Development	2020-2021	GRBT-20
850.	Microprocessors and Microcontrollers	201EC565a	Employability/Skill Development	2020-2021	GRBT-20
851.	Foundations of Operating Systems	201CS565a	Employability/Skill Development	2020-2021	GRBT-20
852.	Elements of Mining Technology	201MM565a	Employability/Skill Development	2020-2021	GRBT-20
853.	Basic Automobile Engineering	201AM565a	Employability/Skill Development	2020-2021	GRBT-20
854.	Fundamentals of Petroleum Engineering	201PT565a	Employability/Skill Development	2020-2021	GRBT-20
855.	Principles of Management	201MB565a	Employability/Skill Development	2020-2021	GRBT-20
856.	Natural Language Processing	201CS564A	Employability/Skill Development	2020-2021	GRBT-20
857.	Data Science	201CS564B	Employability/Skill Development	2020-2021	GRBT-20
858.	Artificial Intelligence	201CS564C	Employability/Skill Development	2020-2021	GRBT-20
859.	Object Oriented Analysis & Design	201CS564D	Employability/Skill Development	2020-2021	GRBT-20
860.	Quantitative Aptitude and Reasoning	201HB591	Skill Development	2020-2021	GRBT-20
861.	Web Application Development Using Full Stack Module -3	201CS581	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20
862.	Data Mining and Data Warehousing Lab	201CS511	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20
863.	Internetworking Protocol Lab	201CS512	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20
864.	Mini Project-1	201CS521	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20
865.	Cryptography & Network Security	201CS601	Employability/Skill Development	2020-2021	GRBT-20
866.	Big Data Analytics	201CS602	Employability/Skill Development	2020-2021	GRBT-20
867.	Machine Learning	201CS603	Employability/Skill Development	2020-2021	GRBT-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
868.	Solid Waste Management	201CE665a	Employability/Skill Development	2020-2021	GRBT-20
869.	Concepts of Power System Engineering	201EE665a	Employability/Skill Development	2020-2021	GRBT-20
870.	Introduction to MEMS	201ME665a	Employability/Skill Development	2020-2021	GRBT-20
871.	IOTand its Applications	201EC665a	Employability/Skill Development	2020-2021	GRBT-20
872.	Fundamentals of Databases	201CS665a	Employability/Skill Development	2020-2021	GRBT-20
873.	Open Pit Slope Analysis and Design	201MM665a	Employability/Skill Development	2020-2021	GRBT-20
874.	Hybrid and Electric Vehicles	201AM665a	Employability/Skill Development	2020-2021	GRBT-20
875.	Basic Concepts in Petroleum Drilling Engineering	201PT665a	Employability/Skill Development	2020-2021	GRBT-20
876.	Operations Management	201MB665a	Employability/Skill Development	2020-2021	GRBT-20
877.	Software Testing Methodologies	201CS664A	Employability/Skill Development	2020-2021	GRBT-20
878.	E-Commerce	201CS664B	Employability/Skill Development	2020-2021	GRBT-20
879.	Mean Stack Technologies	201CS664C	Employability/Skill Development	2020-2021	GRBT-20
880.	Advanced Data Structures	201CS664D	Employability/Skill Development	2020-2021	GRBT-20
881.	IPR and Patents	201MB691	Employability/Entrepreneurship/Skill Development	2020-2021	GRBT-20
882.	English for Career	201HB681	Skill Development	2020-2021	GRBT-20
883.	Cryptography & Network Security Lab	201CS611	Employability/Skill Development	2020-2021	GRBT-20
884.	Big Data Analytics Lab	201CS612	Employability/Skill Development	2020-2021	GRBT-20
885.	Machine Learning using Python Lab	201CS613	Employability/Skill Development	2020-2021	GRBT-20
886.	Compiler Design	19150501	Employability/Skill Development	2019-2020	GRBT-19
887.	Web Technologies	19150502	Employability/Skill Development	2019-2020	GRBT-19
888.	Software Engineering	19150503	Employability/Skill Development	2019-2020	GRBT-19
889.	Computer Networks	19150504	Employability/Skill Development	2019-2020	GRBT-19

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
890.	Advanced JAVA Programming	19150565A	Employability/Entrepreneurship/ Skill Development	2019-2020	GRBT-19
891.	Principles of Computer Security	19150565B	Skill Development	2019-2020	GRBT-19
892.	Mobile Computing	19150565C	Skill Development	2019-2020	GRBT-19
893.	Environmental Pollution Control	19151566a	Skill Development	2019-2020	GRBT-19
894.	Utilization of Electrical Energy	19151566b	Skill Development	2019-2020	GRBT-19
895.	Robotics	19151566c	Skill Development	2019-2020	GRBT-19
896.	Internet of Things	19151566d	Skill Development	2019-2020	GRBT-19
897.	Operating Systems	19151566e	Skill Development	2019-2020	GRBT-19
898.	Elements of Mining Technology	19151566f	Skill Development	2019-2020	GRBT-19
899.	Basic Automobile Engineering	19151566g	Skill Development	2019-2020	GRBT-19
900.	Compiler Design & Computer Networks Laboratory	19150511	Employability/Skill Development	2019-2020	GRBT-19
901.	Web Technologies Laboratory	19150512	Employability/Skill Development	2019-2020	GRBT-19
902.	Community Service Oriented Project	19150581	Employability/Skill Development	2019-2020	GRBT-19
903.	Mini Project-1/ Study Project/ Internship	19150522	Employability/Skill Development	2019-2020	GRBT-19
904.	Data Mining	19150601	Employability/Skill Development	2019-2020	GRBT-19
905.	Artificial Intelligence	19150602	Employability/Entrepreneurship/Skill Development	2019-2020	GRBT-19
906.	Unified Modelling Language	19150603	Employability/Entrepreneurship/Skill Development	2019-2020	GRBT-19
907.	Distributed Systems	19150664C	Employability/Skill Development	2019-2020	GRBT-19
908.	Energy Management	19152665b	Employability/Skill Development	2019-2020	GRBT-19
909.	Constitution of India	19151696	Skill Development	2019-2020	GRBT-19
910.	Soft Skills	19150611	Skill Development	2019-2020	GRBT-19

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
911.	AI Tools & Techniques Laboratory	19150612	Employability/Skill Development	2019-2020	GRBT-19
912.	Unified Modeling Language Laboratory	19150613	Employability/Entrepreneurship/Skill Development	2019-2020	GRBT-19
913.	Mathematical Foundations of Computer Science	20251101	Skill Development	2020-2021	GRMT-20
914.	Advanced Data Structures	20251102	Skill Development	2020-2021	GRMT-20
915.	Big Data Analytics	20251163A	Employability/Skill Development	2020-2021	GRMT-20
916.	Digital Image Processing	20251163B	Employability/Skill Development	2020-2021	GRMT-20
917.	Advanced Operating Systems	20251163C	Employability/Skill Development	2020-2021	GRMT-20
918.	Advanced Computer Networks	20251164A	Employability/Skill Development	2020-2021	GRMT-20
919.	Internet of Things	20251164B	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
920.	Object Oriented Software Engineering	20251164C	Employability/Skill Development	2020-2021	GRMT-20
921.	Research Methodology	20251105	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
922.	Advanced Data Structures Lab	20251116	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
923.	Advanced Computing Lab	20251117	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
924.	English for Research Paper Writing	20251198A	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
925.	Constitution of India	20251198B	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
926.	Disaster Management	20251198C	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
927.	Machine Learning	20251201	Employability/Skill Development	2020-2021	GRMT-20
928.	MEAN Stack Technologies	20251202	Employability/Skill Development	2020-2021	GRMT-20
929.	Advanced Databases	20251263A	Employability/Skill Development	2020-2021	GRMT-20
930.	Data Mining	20251263B	Employability/Skill Development	2020-2021	GRMT-20
931.	Data Science	20251263C	Employability/Skill Development	2020-2021	GRMT-20
932.	Cloud Computing	20251264A	Employability/Skill Development	2020-2021	GRMT-20
933.	Principles of Computer Security	20251264A	Employability/Skill Development	2020-2021	GRMT-20
934.	High Performance Computing	20251264A	Employability/Skill Development	2020-2021	GRMT-20
935.	Machine Learning with Python lab	20251215	Employability/Skill Development	2020-2021	GRMT-20
936.	MEAN Stack Technologies Lab	20251216	Employability/Skill Development	2020-2021	GRMT-20
937.	Mini Project with Seminar	20251227	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
938.	Pedagogy Studies	20251298A	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
939.	Value Education	20251299A	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
940.	Personality Development through Life Enlightenment skills	20251300A	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
941.	Deep Learning	20251301A	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
942.	Social Network Analysis	20251441A	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
943.	(NPTEL/SWAYAM) 12	20251441B	Skill Development	2020-2021	GRMT-20
944.	Machine Learning	20251441C	Employability/Skill Development	2020-2021	GRMT-20
945.	Cyber Security	20251198	Employability/Skill Development	2020-2021	GRMT-20
946.	Dissertation-I/ Industrial Project	20251341	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20
947.	Dissertation-II/ Industrial Project #	20251441	Employability/Entrepreneurship/Skill Development	2020-2021	GRMT-20

Master of Computer Applications

Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
1.	Full Stack Web Development	20300301	Employability	2020-2021	GRCA-20
2.	Data Science	20300302	Employability	2020-2021	GRCA-20
3.	Internet of Things	20300303	Employability	2020-2021	GRCA-20
4.	Cyber Security and Forensics	20300364A	Employability	2020-2021	GRCA-20
5.	Software Testing and Quality Management	20300364B	Employability	2020-2021	GRCA-20
6.	Design Patterns	20300364C	Entrepreneurship	2020-2021	GRCA-20
7.	Simulation Modelling	20300364D	Entrepreneurship	2020-2021	GRCA-20
8.	Professional Ethics	20309305	Entrepreneurship	2020-2021	GRCA-20
9.	Full Stack Web Development Lab	20300311	Employability	2020-2021	GRCA-20
10.	Data Science with R Programming Lab	20300312	Employability	2020-2021	GRCA-20
11.	Internet of Things Lab	20300313	Employability	2020-2021	GRCA-20
12.	Mini Project #	20300321	Employability	2020-2021	GRCA-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
13.	Digital Image Processing	20300461A	Skill Development	2020-2021	GRCA-20
14.	Machine Learning	20300461B	Employability	2020-2021	GRCA-20
15.	Big Data Analytics	20300461C	Employability	2020-2021	GRCA-20
16.	MOOCS - 1 (NPTEL/SWAYAM)	20300461D	Skill Development	2020-2021	GRCA-20
17.	Seminar	20300431	Skill Development	2020-2021	GRCA-20
18.	Project Work/Dissertation	20300441	Employability	2020-2021	GRCA-20

Master of Business Administration

Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
19.	Hospitality Management	20400361E	Employability/Entrepreneurship	2020-2021	R-20
20.	Tourism Policy and Planning	20400362E	Employability/Entrepreneurship	2020-2021	R-20
21.	Travel Media and Journalism	20400461E	Employability/Entrepreneurship	2020-2021	R-20
22.	Eco Tourism Practices	20400462E	Employability/Entrepreneurship	2020-2021	R-20
23.	Social Entrepreneurship	20400361F	Entrepreneurship	2020-2021	R-20
24.	Planning, Structuring, and Financing Small Business	20400362F	Entrepreneurship	2020-2021	R-20
25.	Finance and Accounting for Small Business	20400461F	Employability/Entrepreneurship	2020-2021	R-20
26.	Venture Valuation and Accounting	20400462F	Employability/Entrepreneurship	2020-2021	R-20
27.	Text, Social Media & Web Analytics	20400361G	Employability/Entrepreneurship	2020-2021	R-20
28.	Big Data Analytics	20400362G	Employability/Entrepreneurship	2020-2021	R-20
29.	Financial Analytics	20400461G	Employability/Entrepreneurship	2020-2021	R-20

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Sl. No.	Name of the Course	Course Code	Activities/Content with direct bearing on Employability/ Entrepreneurship/ Skill development	Year of introduction (during the last five years)	Regulation
30.	Econometrics and Business Forecasting	20400462G	Employability/Entrepreneurship	2020-2021	R-20
31.	Human Resource Metrics and Analytics	20400362C	Employability/Entrepreneurship	2020-2021	R-20
32.	Digital and Social Media Marketing	20400361A	Employability/Entrepreneurship	2020-2021	R-20
33.	Information Technology – Lab1 (Spreadsheet andTally)	20400111	Skill Development	2020-2021	R-20
34.	Business Communication and Soft Skills Lab	20400122	Skill Development	2020-2021	R-20
35.	IT-lab 2(Programming R)	20400211	Skill Development	2020-2021	R-20
36.	Managerial skill & development	20400491	Skill Development	2020-2021	R-20


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