

1.2.1: Percentage of new courses introduced out of the total number of courses across all programmes offered during the last five years



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1.2.1 Percentage of new courses introduced out of the total number of courses across all programmes offered during the last five years

Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
B.Tech.(CIVIL ENGINEERING)	Skill Oriented Course-I	201HB481	2020-2021	GRBT-20
	English For Career	201HB481	2020-2021	GRBT-20
	Quantitative Aptitude and Reasoning	201CE691	2020-2021	GRBT-20
	Universal Human Values -2: "Understanding Harmony"	201HB781	2020-2021	GRBT-20
	Prerequisites for Consultancy and Authorized Valuation	201CE790	2020-2021	GRBT-20
	Fundamentals of Computer Programming Laboratory	201CS213A	2020-2021	GRBT-20
	Constitution of India	201CE381	2020-2021	GRBT-20
	Skill Oriented Course-II	201CE391	2020-2021	GRBT-20
	IPR & Patents	201CE313	2020-2021	GRBT-20
B.Tech.(ELECTRICAL & ELECTRONIC ENGINEERING)	Fundamentals of Computer programming	201CS204A	2020-2021	GRBT-20
	Fundamentals of Computer programming Laboratory	201CS213A	2020-2021	GRBT-20
	Design Thinking & Product Innovation	19120306	2019-2020	GRBT-19
	Operating Systems (Open Elective-I)	19123464B	2019-2020	GRBT-19
	Environmental Pollution & Control (Open Elective-I)	19123464D	2019-2020	GRBT-19
	Elements of Mining Technology (Open Elective-I)	19123464F	2019-2020	GRBT-19
	Internet of things	19124402	2019-2020	GRBT-19
	Signals and systems	17124601	2017-2018	GR-17
	Building Technology (Open Elective)	17127666J	2017-2018	GR-17
	Environmental Pollution &Control (Open Elective)	17127666F	2017-2018	GR-17
	Social Networks (Open Elective)	17127666G	2017-2018	GR-17

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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	Cyber Security (Open Elective)	17127666H	2017-2018	GR-17
	Basic Automobile Engineering (Open Elective)	17127666I	2017-2018	GR-17
	Hybrid Vehicles (Open Elective)	17127666A	2017-2018	GR-17
	Thermal Energy (Open Elective)	17127666B	2017-2018	GR-17
	Robotics (Open Elective)	17127666C	2017-2018	GR-17
	Principles of Management (Open Elective)	17127666D	2017-2018	GR-17
	Internet of Things (Open Elective)	17127666E	2017-2018	GR-17
	Switching mode power converters(Elective -II)	17120765B	2017-2018	GR-17
	Research Methodology	20551105	2020-2021	GRMT-20
	English for Research Paper Writing (Audit Course-I)	20221291A	2020-2021	GRMT-20
	Mini Project	20221221	2020-2021	GRMT-20
	Pedagogy Studies (Audit Course – II)	20221295B	2020-2021	GRMT-20
	Stress Management by Yoga (Audit Course – II)	20221295C	2020-2021	GRMT-20
	Comprehensive viva-voce	17221361	2020-2021	GRMT-17
B.Tech.(MECHANICAL ENGINEERING)	Computer Aided Design and Modelling Lab	201ME313	2020-2021	GRBT-20
	Programming with Python	201CS381	2020-2021	GRBT-20
	Numerical Modelling for Mechanical Engineers	201ME411	2020-2021	GRBT-20
	English for Career	201HB481	2020-2021	GRBT-20
	Modelling and Simulation of Mechanical Systems	201ME581	2020-2021	GRBT-20
	Computer Aided Manufacturing Lab	201ME613	2020-2021	GRBT-20
	Finite Element Analysis	201ME681	2020-2021	GRBT-20
	Quantitative Aptitude and Reasoning	201HB691	2020-2021	GRBT-20

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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	UHV 2 –Understanding Harmony	201HB781	2020-2021	GRBT-20
	Computational Fluid Dynamics Lab	201ME781	2020-2021	GRBT-20
	Microprocessors and its Interfacing	201EC565A	2020-2021	GRBT-20
	Concepts of Power System Engineering	201EE665A	2020-2021	GRBT-20
	IoT and its Applications	201EC665A	2020-2021	GRBT-20
	Fundamentals of Databases	201CS665A	2020-2021	GRBT-20
	Hybrid and Electric Vehicles	201AM665A	2020-2021	GRBT-20
	Open Pit Slope Analysis and Design	201MM665A	2020-2021	GRBT-20
	Basic Concepts in Petroleum Drilling Engineering	201PT665	2020-2021	GRBT-20
	Building Technology	201CE764A	2020-2021	GRBT-20
	Fundamentals of smart grid technologies	201EE764A	2020-2021	GRBT-20
	Embedded Systems	201EC764A	2020-2021	GRBT-20
	Information Security	201CS764A	2020-2021	GRBT-20
	Introduction to Petroleum Production Engineering	201PT7614	2020-2021	GRBT-20
	Entrepreneurship for Engineers	201MB764A	2020-2021	GRBT-20
	Safety Engineering	201CE765A	2020-2021	GRBT-20
	Basics of Electrical Measurements and Instrumentation	201EE765A	2020-2021	GRBT-20
	Alternative Energy Resources for Automotives	201AM765A	2020-2021	GRBT-20
	Basic Concepts in Reservoir Engineering	201PT7613	2020-2021	GRBT-20
	Problem Solving & Programming In C	19199204	2019-2020	GRBT-19
	Problem Solving & Programming In C Lab	19199213	2019-2020	GRBT-19
	Design Thinking & Innovation	19198307	2019-2020	GRBT-19
	Numerical Methods And Probability & Statistics	19198401	2019-2020	GRBT-19

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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	Computer Aided Machine Drawing	19130411	2019-2020	GRBT-19
	Community Service Oriented Project	19130418	2019-2020	GRBT-19
	Constitution of India	19193682	2019-2020	GRBT-19
	Industrial Engineering & Management	19130604	2019-2020	GRBT-19
	Utilization of Electrical Energy	19130462-B	2019-2020	GRBT-19
	Operating Systems	19130462-D	2019-2020	GRBT-19
	Elements of Mining Technology	19130462-E	2019-2020	GRBT-19
	Solid Waste Management	19130561-A	2019-2020	GRBT-19
	Digital Image Processing	19130561-C	2019-2020	GRBT-19
	Information Security	19130561-D	2019-2020	GRBT-19
	Disaster Management in Mining	19130561-E	2019-2020	GRBT-19
	Entrepreneurship Qualities for Engineers	19130601-B	2019-2020	GRBT-19
	Financial Management for Engineers	19130601-D	2019-2020	GRBT-19
	Operations Management	19130601-E	2019-2020	GRBT-19
	Digital Marketing	19130601-F	2019-2020	GRBT-19
	Total Quality Management	19130601-G	2019-2020	GRBT-19
	Organizational Behaviour	19130601-H	2019-2020	GRBT-19
	Global Environment Problems and Policies	19130762-A	2019-2020	GRBT-19
	Data Communication	19130762-C	2019-2020	GRBT-19
	Human Computer Interaction	19130762-D	2019-2020	GRBT-19
	Remote Sensing & GIS in Mining	19130762-E	2019-2020	GRBT-19
	Modern Vehicle Technology	19130762-F	2019-2020	GRBT-19
	Fuel Combustion and Emission Control	19130505-A	2019-2020	GRBT-19

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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	Tribology	19130505-B	2019-2020	GRBT-19
	Industrial Robotics	19130505-C	2019-2020	GRBT-19
	Advanced Materials	19130505-D	2019-2020	GRBT-19
	Mechatronics	19130667-B	2019-2020	GRBT-19
	Advanced Foundry and Welding Technology	19130667-C	2019-2020	GRBT-19
	Mechanical Vibrations	19193701-B	2019-2020	GRBT-19
	Advanced Manufacture Process	19193701-D	2019-2020	GRBT-19
	Micro Electro Mechanical System	19130765-B	2019-2020	GRBT-19
	Nano Technology	19130862-B	2019-2020	GRBT-19
	Miniproject-2	17130722	2017-2018	GR-17
	Building Technology	17130604-A	2017-2018	GR-17
	Hybrid Vehicles	17130604-B	2017-2018	GR-17
	Principles of Management	17130604-C	2017-2018	GR-17
	Internet of Things	17130604-D	2017-2018	GR-17
	Social Networking	17130604-E	2017-2018	GR-17
	Environmental Pollution Control	17130604-F	2017-2018	GR-17
	Experimental Stress Analysis	17130606-B	2017-2018	GR-17
	Metal Forming Theory and Practice	17130766-A	2017-2018	GR-17
	Condition Monitoring	17130801-B	2017-2018	GR-17
	Management Information Systems	17130801-E	2017-2018	GR-17
	Digital Manufacturing	17130802-A	2017-2018	GR-17
	Design For Manufacturing	17130802-B	2017-2018	GR-17
	Pressure Vessels and Piping	17130802-C	2017-2018	GR-17

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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	Product Life Cycle Management	17130802-D	2017-2018	GR-17
	Renewable Energy Sources	17130802-E	2017-2018	GR-17
	Simulation of Manufacturing Lab	20231211	2020-2021	GRBT-20
	Material Characterization Lab	20231212	2020-2021	GRBT-20
	MOOCs-1 (NPTEL/SWAYAM)	20231361C	2020-2021	GRBT-20
	MOOCs-2 (NPTEL/SWAYAM)	20231361E	2020-2021	GRBT-20
B.Tech.(ELECTRICAL & COMMUNICATION ENGINEERING)	Applied Physics	201HB103A	2020-2021	GRBT-20
	Introduction to Electronics Engineering	201EC105	2020-2021	GRBT-20
	Environmental science	201HB196	2020-2021	GRBT-20
	Applied Physics Laboratory	201HB111A	2020-2021	GRBT-20
	Electronic Engineering Workshop	201ME113A	2020-2021	GRBT-20
	Engineering Graphics	201ME203	2020-2021	GRBT-20
	Complex Variables& Transform Techniques	19149301	2019-2020	GRBT-19
	Design Thinking & Product Innovation	19140387	2019-2020	GRBT-19
	Operating Systems	19145462	2019-2020	GRBT-19
	Utilization of Electrical Energy	19145462	2019-2020	GRBT-19
	Basic Automobile Engineering	19145462	2019-2020	GRBT-19
	Elements of Mining Technology	19145462	2019-2020	GRBT-19
	Community Service Oriented Project	19140421	2019-2020	GRBT-19
	Internet of Things	17143665A	2017-2018	GR-17
	Building Technology	17145665B	2017-2018	GR-17
	Renewable Energy Sources & Systems	17143665C	2017-2018	GR-17
	Hybrid Vehicles	17142665D	2017-2018	GR-17

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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	Robotics	17142665E	2017-2018	GR-17
	Principles of Management	17145665F	2017-2018	GR-17
	Social Networking Environmental Pollution	17145665G	2017-2018	GR-17
	Seminar	17140653	2017-2018	GR-17
	Intellectual Property Rights and Patents	17149707	2017-2018	GR-17
	Mini Project-II	17140749	2017-2018	GR-17
	Mixed Signal Design	17140802B	2017-2018	GR-17
	Real time Operating Systems	17140802D	2017-2018	GR-17
	RTL Simulation and Synthesis with PLDs	20242101	2020-2021	GRBT-20
	Microcontrollers Programmable Digital Signal Processors	20242102	2020-2021	GRBT-20
	CAD of Design System	20242164C	2020-2021	GRBT-20
	Programming Languages for Embedded Systems	20242165A	2020-2021	GRBT-20
	Advanced Computer Architecture	20242165B	2020-2021	GRBT-20
	Research Methodology	20242103	2020-2021	GRBT-20
	RTL Simulation and Synthesis with PLDs Lab	20242111	2020-2021	GRBT-20
	Microcontrollers Programmable Digital Signal Processors Lab	20242112	2020-2021	GRBT-20
	System Design with Embedded Linux	20242263A	2020-2021	GRBT-20
	Communication Buses and Interfaces	20242263B	2020-2021	GRBT-20
	Real Time Operating Systems Lab	20242212	2020-2021	GRBT-20
	Mini Project with Seminar	20242221	2020-2021	GRBT-20
	IOT and its Applications	20242361A	2020-2021	GRBT-20

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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	Artificial Intelligence	2042361B	2020-2021	GRBT-20
	Composite Materials Cost Management of Engineering Projects	20242362A	2020-2021	GRBT-20
	Energy Management	20242362B	2020-2021	GRBT-20
	Operations Research	20242362C	2020-2021	GRBT-20
	Dissertation/Industrial Project	20242341	2020-2021	GRBT-20
	Dissertation -2	20242341	2020-2021	GRBT-20
B.Tech.(COMPUTER SCIENCE & ENGINEERING)	Fundamentals of Digital Electronics	201CS105	2020-2021	GRBT-20
	Computer Engineering Workshop	201ME113C	2020-2021	GRBT-20
	Computer Organization	201CS303	2020-2021	GRBT-20
	Linux and Shell Programming Lab	201CS313	2020-2021	GRBT-20
	Web Application Development Using Full Stack Module -1	201CS381	2020-2021	GRBT-20
	Constitution of India	201CE391	2020-2021	GRBT-20
	Statistics with R Programming	201CS401	2020-2021	GRBT-20
	Operating Systems & Software Engineering Lab	201CS413	2020-2021	GRBT-20
	Web Application Development Using Full Stack Module -2	201CS481	2020-2021	GRBT-20
	Data Mining and Data Warehousing	201CS501	2020-2021	GRBT-20
	Principles of Management	201MB565A	2020-2021	GRBT-20
	Natural Language Processing	201CS564A	2020-2021	GRBT-20
	Data Science	201CS564B	2020-2021	GRBT-20
	Artificial Intelligence	201CS564C	2020-2021	GRBT-20
	Object Oriented Analysis & Design	201CS564D	2020-2021	GRBT-20

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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	Quantitative Aptitude and Reasoning	201HB591	2020-2021	GRBT-20
	Web Application Development Using Full Stack Module -3	201CS581	2020-2021	GRBT-20
	Data Mining and Data Warehousing Lab	201CS511	2020-2021	GRBT-20
	Internetworking Protocol Lab	201CS512	2020-2021	GRBT-20
	Cryptography & Network Security	201CS601	2020-2021	GRBT-20
	Big Data Analytics	201CS602	2020-2021	GRBT-20
	Machine Learning	201CS603	2020-2021	GRBT-20
	Software Testing Methodologies	201CS664A	2020-2021	GRBT-20
	E-Commerce	201CS664B	2020-2021	GRBT-20
	Mean Stack Technologies	201CS664C	2020-2021	GRBT-20
	Advanced Data Structures	201CS664D	2020-2021	GRBT-20
	IPR and Patents	201MB691	2020-2021	GRBT-20
	English for Career	201HB681	2020-2021	GRBT-20
	Big Data Analytics Lab	201CS612	2020-2021	GRBT-20
	Machine Learning using Python Lab	201CS613	2020-2021	GRBT-20
	Distributed Systems	201CS761A	2020-2021	GRBT-20
	Cloud Computing	201CS761B	2020-2021	GRBT-20
	Mobile Computing	201CS761C	2020-2021	GRBT-20
	Ad-hoc and Sensor Networks	201CS761D	2020-2021	GRBT-20
	Software Project Management	201CS762A	2020-2021	GRBT-20
	Software Quality Management	201CS762B	2020-2021	GRBT-20
	Cyber Security & Forensics	201CS762C	2020-2021	GRBT-20

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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	MOOCS-NPTEL/SWAYAM	201CS762D	2020-2021	GRBT-20
	Deep Learning Techniques	201CS763A	2020-2021	GRBT-20
	Soft Computing	201CS763B	2020-2021	GRBT-20
	Block Chain Technologies and its Applications	201CS763C	2020-2021	GRBT-20
	UHV 2 - Understanding Harmony	201MB7966	2020-2021	GRBT-20
	Deep Learning using Python	201CS707	2020-2021	GRBT-20
	Engineering Physics	19199103	2019-2020	GRBT-19
	Problem Solving & Programming in C	19199104	2019-2020	GRBT-19
	Engineering Graphics	19193175	2019-2020	GRBT-19
	Engineering Physics Laboratory	19199112	2019-2020	GRBT-19
	Probability & Statistics	19199201B	2019-2020	GRBT-19
	Applied Chemistry	19199203	2019-2020	GRBT-19
	Basic Electrical & Electronics Engineering	19199204	2019-2020	GRBT-19
	Python Programming	19199205	2019-2020	GRBT-19
	Basic Electrical & Electronics Engineering Laboratory	19192212	2019-2020	GRBT-19
	Python Programming Laboratory	19195213	2019-2020	GRBT-19
	Engineering Chemistry Laboratory	19199214	2019-2020	GRBT-19
	Discrete Mathematics	19159301	2019-2020	GRBT-19
	Object Oriented Programming Through C++	19159302	2019-2020	GRBT-19
	Digital Logic & Computer Organization	19150303	2019-2020	GRBT-19
	Design Thinking & Product Innovation	19150306	2019-2020	GRBT-19
	Object Oriented Programming Through C++ Laboratory	1915012	2019-2020	GRBT-19
	Data Structures Laboratory	19150313	2019-2020	GRBT-19

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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	Data Base Management Systems Laboratory	19150314	2019-2020	GRBT-19
	Number Theory & Applications	19150404	2019-2020	GRBT-19
	Financial Management for Engineers	19151466A	2019-2020	GRBT-19
	Entrepreneurship qualities for Engineers	19152466B	2019-2020	GRBT-19
	Managerial Economics & Financial Analysis	19153466C	2019-2020	GRBT-19
	Principles of Management	19154466D	2019-2020	GRBT-19
	Organizational Behaviour	19155466E	2019-2020	GRBT-19
	Digital Marketing	19156466F	2019-2020	GRBT-19
	Operations Management	19157466G	2019-2020	GRBT-19
	Total Quality Management	19159466H	2019-2020	GRBT-19
	Human Resource Management	19159466I	2019-2020	GRBT-19
	Web Technologies	19150502	2019-2020	GRBT-19
	Computer Networks	19150504	2019-2020	GRBT-19
	Advanced JAVA Programming	19150565A	2019-2020	GRBT-19
	Principles of Computer Security	19150565B	2019-2020	GRBT-19
	Mobile Computing	19150565C	2019-2020	GRBT-19
	Environmental Pollution Control	19151566A	2019-2020	GRBT-19
	Utilization of Electrical Energy	19151566B	2019-2020	GRBT-19
	Robotics	19151566C	2019-2020	GRBT-19
	Internet of Things	19151566D	2019-2020	GRBT-19
	Operating Systems	19151566E	2019-2020	GRBT-19
	Elements of Mining Technology	19151566F	2019-2020	GRBT-19
	Basic Automobile Engineering	19151566G	2019-2020	GRBT-19

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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	Web Technologies Laboratory	19150512	2019-2020	GRBT-19
	Community Service Oriented Project	19150581	2019-2020	GRBT-19
	Mini Project-1/ Study Project/ Internship	19150522	2019-2020	GRBT-19
	Artificial Intelligence	19150602	2019-2020	GRBT-19
	Unified Modelling Language	19150603	2019-2020	GRBT-19
	Software Architecture, Frameworks and Patterns	19150664A	2019-2020	GRBT-19
	Virtual Reality	19150664B	2019-2020	GRBT-19
	Distributed Systems	19150664C	2019-2020	GRBT-19
	Solid Waste Management	19152665A	2019-2020	GRBT-19
	Energy Management	19152665B	2019-2020	GRBT-19
	MEMS	19152665C	2019-2020	GRBT-19
	Digital Image Processing	19152665D	2019-2020	GRBT-19
	Information Security	19152665E	2019-2020	GRBT-19
	Disaster Management in Mining	19152665F	2019-2020	GRBT-19
	Hybrid and Electric Vehicles	19152665G	2019-2020	GRBT-19
	Constitution of India	19151696	2019-2020	GRBT-19
	Soft Skills	19150611	2019-2020	GRBT-19
	AI Tools & Techniques Laboratory	19150612	2019-2020	GRBT-19
	Unified Modelling Language Laboratory	19150613	2019-2020	GRBT-19
	Machine Learning	19150702	2019-2020	GRBT-19
	NOSQL Databases	19150763A	2019-2020	GRBT-19
	Digital Image Processing	19150763B	2019-2020	GRBT-19
	Cloud Computing	19150763C	2019-2020	GRBT-19

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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	Big Data Analytics	19150764A	2019-2020	GRBT-19
	Deep Learning	19150764B	2019-2020	GRBT-19
	Parallel Computing	19150764C	2019-2020	GRBT-19
	Global Environment: Problems & Policies	19151765A	2019-2020	GRBT-19
	Renewable Energy Resources	19151765B	2019-2020	GRBT-19
	Nano Technology	19151765C	2019-2020	GRBT-19
	Data Communication	19151765D	2019-2020	GRBT-19
	Human Computer Interaction	19151765E	2019-2020	GRBT-19
	Remote Sensing & GIS in Mining	19151765F	2019-2020	GRBT-19
		19151765G	2019-2020	GRBT-19
	Modern Vehicle Technology			
		19159796	2019-2020	GRBT-19
	Intellectual Property Rights and Patents			
		19150712	2019-2020	GRBT-19
	Machine Learning Laboratory			
	Software Testing Methodologies	19150801	2019-2020	GRBT-19
	Distributed Databases	19150862A	2019-2020	GRBT-19

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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	Cyber Security	19150862B	2019-2020	GRBT-19
	Engineering Drawing	17193174	2017-2018	GR-17
	Mathematics – II (Mathematical Methods)	17199105	2017-2018	GR-17
	Data Structures	17195203	2017-2018	GR-17
	Mathematics – III	17199205	2017-2018	GR-17
	Data Structures Lab	17195213	2017-2018	GR-17
	Computer Graphics	17150303	2017-2018	GR-17
	Advanced Data Structures	17150304	2017-2018	GR-17
	Python Programming	17150305	2017-2018	GR-17
	Internet Programming	17150306	2017-2018	GR-17
	Advanced Data Structures Lab	17150311	2017-2018	GR-17
	Python Programming Lab	17150312	2017-2018	GR-17
	Internet Programming Lab	17150313	2017-2018	GR-17
	Managerial Economics and Financial Analysis	17159401	2017-2018	GR-17
	Statistics with R Programming	17150402	2017-2018	GR-17
	Operating Systems	17150406	2017-2018	GR-17
	R-Programming Lab	17150411	2017-2018	GR-17
	Operating Systems Lab	17150413	2017-2018	GR-17
	Image Processing	17150501	2017-2018	GR-17
	Software Engineering	17150502	2017-2018	GR-17
	Design and Analysis of Algorithms	17150503	2017-2018	GR-17
	Advanced Java Programming	17150506	2017-2018	GR-17
	Advanced Java Programming Lab	17150511	2017-2018	GR-17

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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	Data Mining	17150602	2017-2018	GR-17
	Software Testing Methodologies	17150603	2017-2018	GR-17
	OOAD through UML	17150604	2017-2018	GR-17
	Environmental Pollution Control	17151664A	2017-2018	GR-17
	Renewable Energy Resources	17152664B	2017-2018	GR-17
	Robotics	17153664C	2017-2018	GR-17
	IOT	17154664D	2017-2018	GR-17
	Principles of Management	17155664E	2017-2018	GR-17
	Hybrid Vehicles	17157664F	2017-2018	GR-17
	Data Mining Lab	17150611	2017-2018	GR-17
	Unified Modelling Language Lab	17150613	2017-2018	GR-17
	Big Data Analytics	17150703	2017-2018	GR-17
	Machine Learning	17150761A	2017-2018	GR-17
	Distributed Systems	17150761B	2017-2018	GR-17
	Cloud Computing	17150761C	2017-2018	GR-17
	Fuzzy Set Theory	17150761D	2017-2018	GR-17
	E-Commerce	17150761E	2017-2018	GR-17
	Pattern Recognition	17150762A	2017-2018	GR-17
	Parallel Processing	17150762B	2017-2018	GR-17
	Soft Computing	17150762C	2017-2018	GR-17
	Real Time Systems	17150762D	2017-2018	GR-17
	Advanced Operating System	17150762E	2017-2018	GR-17
	APP Development Lab	17150712	2017-2018	GR-17

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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	Big Data Analytics Lab	17150713	2017-2018	GR-17
	Mini Project-II	17150721	2017-2018	GR-17
	Artificial Intelligence	17150863A	2017-2018	GR-17
	Social Network Analysis	17150863B	2017-2018	GR-17
	Virtual Reality	17150863C	2017-2018	GR-17
	Neural Networks	17150863D	2017-2018	GR-17
	Blockchain Technology	17150863E	2017-2018	GR-17
	Seminar	17150831	2017-2018	GR-17
B.Tech.(AUTOMOBILE ENGINEERING)	Automobile Chassis Components Lab	17170311	2017-2018	GR-17
	Engine Components & Testing Lab	17170411	2017-2018	GR-17
	Automation in Automotive Manufacturing	17170606	2017-2018	GR-17
	Two & Three wheelers	17170665A	2017-2018	GR-17
	Automotive chassis Components Design	17170665B	2017-2018	GR-17
	Unconventional Machining Process	17170665C	2017-2018	GR-17
	Disaster Management	17170665D	2017-2018	GR-17
	Non Destructive Testing	17170665E	2017-2018	GR-17
	Special Purpose Vehicles	17170761A	2017-2018	GR-17
	Modern Vehicle Design	17170761B	2017-2018	GR-17
	Product Design & Assembly Automation	17170761C	2017-2018	GR-17
	Off Road Vehicles	17170864A	2017-2018	GR-17
	Rapid Prototyping	17170864C	2017-2018	GR-17
	Nano Technology	17170864E	2017-2018	GR-17
	Design Thinking & Product Innovation	19170386	2019-2020	GRBT-19

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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	Community service oriented project	19170421	2019-2020	GRBT-19
	Operating Systems	19170466B	2019-2020	GRBT-19
	Utilization of Electrical Energy	19170466C	2019-2020	GRBT-19
	Elements of Mining Technology	19170466G	2019-2020	GRBT-19
	Information Security	19170565B	2019-2020	GRBT-19
	Digital Image Processing	19170565D	2019-2020	GRBT-19
	Solid Waste Management	19170565E	2019-2020	GRBT-19
	Disaster Management in Mining	19170565G	2019-2020	GRBT-19
	Human Computer Interaction	19170666B	2019-2020	GRBT-19
	Global Environment Problems & Policies	19170666E	2019-2020	GRBT-19
	Remote Sensing & GIS In Mining	19170666G	2019-2020	GRBT-19
	Constitution of India	19170687	2019-2020	GRBT-19
	Accident Analysis	19170621	2019-2020	GRBT-19
	Financial Management for Engineers	19179766D	2019-2020	GRBT-19
	Operations Management	19179766E	2019-2020	GRBT-19
	Digital Marketing	19179766F	2019-2020	GRBT-19
	Total Quality Management	19179766G	2019-2020	GRBT-19
	Organizational Behaviour	19179766H	2019-2020	GRBT-19
	Human Resource Management	19179766I	2019-2020	GRBT-19
	Intellectual Property Rights and Patents	19170787	2019-2020	GRBT-19
	English for Career	201HB381	2020-2021	GRBT-20
	Programming with Python	201CS481A	2020-2021	GRBT-20
	Electric Vehicle Design & Assembling	201AM581	2020-2021	GRBT-20

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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	CFD for Automobile Applications	201AM664A	2020-2021	GRBT-20
	Quantitative Aptitude and Reasoning	201HB691	2020-2021	GRBT-20
	Additive Manufacturing	201AM781	2020-2021	GRBT-20
	Automobile HVAC	201AM761B	2020-2021	GRBT-20
	Vehicle Infotronics	201AM761D	2020-2021	GRBT-20
	Automobile Certification and Homologation	201AM762A	2020-2021	GRBT-20
	Smart, Autonomous and Connected Vehicles	201AM763D	2020-2021	GRBT-20
B.Tech.(MINING ENGINEERING)	Mathematics - III	19169301	2019-2020	GRBT-19
	Fluid Mechanics & Hydraulic Machinery	19163302	2019-2020	GRBT-19
	Mine Surveying	19160303	2019-2020	GRBT-19
	Introductory Geology	19160304	2019-2020	GRBT-19
	Development of Mineral Deposit	19160305	2019-2020	GRBT-19
	Drilling & Blasting	19160306	2019-2020	GRBT-19
	Design Thinking & Product Innovation	19160387	2019-2020	GRBT-19
	Fluid Mechanics & Hydraulic Machinery Lab	19163311	2019-2020	GRBT-19
	Mine Surveying Lab	19160312	2019-2020	GRBT-19
	Mathematics - IV (Numerical Methods and Probability & Statistics)	19169401	2019-2020	GRBT-19
	Environmental Pollution & Control	19163466A	2019-2020	GRBT-19
	Advanced Mine Surveying	19160402	2019-2020	GRBT-19
	Surface Mining	19160403	2019-2020	GRBT-19
	Underground Coal Mining	19160404	2019-2020	GRBT-19

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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	Mining Geology	19160405	2019-2020	GRBT-19
	Advanced Mine Surveying Lab	19160411	2019-2020	GRBT-19
	Mining Geology Lab	19160412	2019-2020	GRBT-19
	Mine Systems Engineering	17169501	2017-2018	GR-17
	Industrial Engineering Management	17169502	2017-2018	GR-17
	Underground Metal Mining	17160503	2017-2018	GR-17
	Mine Ventilation	17160504	2017-2018	GR-17
	Mine Planning and Design	17160505	2017-2018	GR-17
	RS & GIS applications	17160506	2017-2018	GR-17
	Soft Skill - II	17160507	2017-2018	GR-17
	Mine Ventilation Lab	17160511	2017-2018	GR-17
	Mine Planning and Design Lab	17160512	2017-2018	GR-17
	Technical Seminar	17160521	2017-2018	GR-17
	Rock Mechanics	17160601	2017-2018	GR-17
	Mineral Processing	17160602	2017-2018	GR-17
	Mine Strata Control	17160603	2017-2018	GR-17
	Mining Machinery	17160603	2017-2018	GR-17
	Mine Construction Engineering	17160605	2017-2018	GR-17
	Renewable Energy Resources	17160666B	2017-2018	GR-17
	Rock Mechanics Lab	17160611	2017-2018	GR-17
	Mineral Processing Lab	17160612	2017-2018	GR-17
	Mine Legislation	17160701	2017-2018	GR-17
	Mine Hazard & Rescue	17160702	2017-2018	GR-17

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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	Advanced Mining Machinery	17160703	2017-2018	GR-17
	Mineral Economics	17160704	2017-2018	GR-17
	IPR & Patents	17169707	2017-2018	GR-17
	Environmental Impact Assessment in Mines	17160765A	2017-2018	GR-17
	Rock Fragmentation Engineering	17160766B	2017-2018	GR-17
	Mining Machinery Lab	17160711	2017-2018	GR-17
	Mine Hazard & Rescue Lab	17160712	2017-2018	GR-17
	Mini Project	17160721	2017-2018	GR-17
	Environmental Pollution & Control in Mines	17160801	2017-2018	GR-17
	Computer Application in Mining	17160802	2017-2018	GR-17
	Planning of Surface Mines	17160861A	2017-2018	GR-17
MASTER OF COMPUTER APPLICATIONS	Probability and Statistics with R	17300301	2019-2020	GRBT-19
	Data Base Management Systems	17300302	2019-2020	GRBT-19
	Operations Research	17300303	2019-2020	GRBT-19
	Computer Networks	17300304	2019-2020	GRBT-19
	Design & Analysis of Algorithms	17300305	2019-2020	GRBT-19
	Probability and Statistics with R Lab	17300311	2019-2020	GRBT-19
	Data Base Management Systems Lab	17300312	2019-2020	GRBT-19
	Python Programming Lab	17300313	2019-2020	GRBT-19
	Operating Systems	17300401	2019-2020	GRBT-19
	Web Technologies	17300402	2019-2020	GRBT-19
	Software Engineering	17300403	2019-2020	GRBT-19
	Cryptography and Network Security	17300404	2019-2020	GRBT-19

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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	Human Computer Interaction	17300461A	2019-2020	GRBT-19
	Cloud Computing	17300461B	2019-2020	GRBT-19
	Mobile Computing	17300461C	2019-2020	GRBT-19
	Operating Systems Lab	17300411	2019-2020	GRBT-19
	Web Technologies Lab	17300412	2019-2020	GRBT-19
	Mini Project	17300421	2019-2020	GRBT-19
	Probability and Statistics	20309101	2020-2021	GRBT-20
	Problem Solving using C & Data Structures	20309103	2020-2021	GRBT-20
	Computer Organization	20309104	2020-2021	GRBT-20
	Database Management Systems	20309105	2020-2021	GRBT-20
	C & Data Structures Lab	20300111	2020-2021	GRBT-20
	Database Management Systems Lab	20300112	2020-2021	GRBT-20
	Python Programming Lab	20300113	2020-2021	GRBT-20
	Operating Systems	20300202	2020-2021	GRBT-20
	Software Engineering	20300203	2020-2021	GRBT-20
	Design & Analysis of Algorithms	20300204	2020-2021	GRBT-20
	Computer Networks	20300205	2020-2021	GRBT-20
	Operating Systems and Unix Lab	20300212	2020-2021	GRBT-20
	Software Engineering Lab	20300213	2020-2021	GRBT-20
MASTER OF BUSINESS ADMINISTRATION	Hospitality Management	20400361E	2020-2021	GRBT-20
	Tourism Policy and Planning	20400362E	2020-2021	GRBT-20
	Travel Media and Journalism	20400461E	2020-2021	GRBT-20

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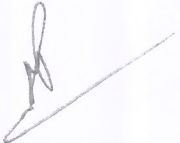
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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	Eco Tourism Practices	20400462E	2020-2021	GRBT-20
	Social Entrepreneurship	20400361F	2020-2021	GRBT-20
	Planning, Structuring, and Financing Small Business	20400362F	2020-2021	GRBT-20
	Finance and Accounting for Small Business	20400461F	2020-2021	GRBT-20
	Venture Valuation and Accounting	20400462F	2020-2021	GRBT-20
	Text, Social Media & Web Analytics	20400361G	2020-2021	GRBT-20
	Big Data Analytics	20400362G	2020-2021	GRBT-20
	Financial Analytics	20400461G	2020-2021	GRBT-20
	Econometrics and Business Forecasting	20400462G	2020-2021	GRBT-20
	Human Resource Metrics and Analytics	20400362C	2020-2021	GRBT-20
	Digital and Social Media Marketing	20400361A	2020-2021	GRBT-20
	Information Technology – Lab1(Spreadsheet and Tally)	20400111	2020-2021	GRBT-20
	Business Communication and Soft Skills Lab	20400122	2020-2021	GRBT-20
	IT-lab 2(Programming R)	20400211	2020-2021	GRBT-20
	Managerial skill & development	20400491	2020-2021	GRBT-20


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