

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)	English Communication Skills Lab II	17198211	2017-2018	GR -17
	Statistics Through R -Programming	17119401	2017-2018	GR -17
	Soft Skills -I	17119407	2017-2018	GR -17
	Mini Project -I	17110521	2017-2018	GR -17
	Environmental Pollution and Control	17110666A	2017-2018	GR -17
	Social Network Analysis	17110666B	2017-2018	GR -17
	Renewable Energy Sources & Systems	17110666C	2017-2018	GR -17
	Internet of Things	17110666D	2017-2018	GR -17
	Ground Improvement Techniques	17110765A	2017-2018	GR -17
	Bridge Engineering	17110765B	2017-2018	GR -17
	Urban Hydrology	17110765C	2017-2018	GR -17
	Advanced Surveying	17110765D	2017-2018	GR -17
	Repair and Rehabilitation of Structures	17110765E	2017-2018	GR -17
	Environmental Impact Assessment and Management	17110766A	2017-2018	GR -17
	Advanced Structural Engineering	17110766B	2017-2018	GR -17
	Design and Drawing of Irrigation Structures	17110766C	2017-2018	GR -17
	Traffic Engineering	17110766D	2017-2018	GR -17
	Water Resources System Planning	17110766E	2017-2018	GR -17
	Design and Detailing Lab	17110711	2017-2018	GR -17
	Advanced Foundation Engineering	17110862A	2017-2018	GR -17
	Earthquake Resistant Design	17110862B	2017-2018	GR -17
	Solid Waste Management	17110862C	2017-2018	GR -17
	Pavement Analysis & Design and Evaluation	17110862D	2017-2018	GR -17
	Urban Transportation Planning	17110862E	2017-2018	GR -17
	Intellectual Property Rights & Patents	17119803	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
	Experimental Stress Analysis	17211161A	2017-2018	GR -17
	Sub - Structure Design	17211161B	2017-2018	GR -17
	Structural Optimization	17211161C	2017-2018	GR -17
	Professional Ethics and Human Values*	14198291	2014-2015	GR-14
	English Communication Skills Lab II	14198211	2014-2015	GR-14
	Mini Project / Study Project	14110521	2014-2015	GR-14
	Environmental Pollution and Control	14110666A	2014-2015	GR-14
	Disaster Management	14110666B	2014-2015	GR-14
	Architecture and Town Planning	14110666C	2014-2015	GR-14
	Green Technologies	14110666D	2014-2015	GR-14
	Ground Improvement Techniques	14110765A	2014-2015	GR-14
	Bridge Engineering	14110765B	2014-2015	GR-14
	Urban Hydrology	14110765C	2014-2015	GR-14
	Advanced Surveying	14110765D	2014-2015	GR-14
	Summer Internship / Training	14110731	2014-2015	GR-14
	Environmental Impact Assessment and Management	14110862A	2014-2015	GR-14
	Advanced Structural Engineering	14110862B	2014-2015	GR-14
	Design and Drawing of Irrigation Structures	14110862C	2014-2015	GR-14
	Traffic Engineering	14110862D	2014-2015	GR-14
	Advanced Foundation Engineering	14110863A	2014-2015	GR-14
	Earthquake Resistant Design	14110863B	2014-2015	GR-14
	Solid Waste Management	14110863C	2014-2015	GR-14
	Pavement Analysis & Design and Evaluation	14110863D	2014-2015	GR-14
	Soil Dynamics and Machine Foundations	14110864A	2014-2015	GR-14
	Repair and Rehabilitation of Structures	14110864B	2014-2015	GR-14
	Water Resources System Planning	14110864C	2014-2015	GR-14

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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	Urban Transportation Planning	14110864D	2014-2015	GR-14
B.Tech.(ELECTRICAL & ELECTRONIC ENGINEERING)	Engineering Electromagnetics	19192106	2019-2020	GRBT-19
	Problem Solving & Programming in C	19195105	2019-2020	GRBT-19
	Professional Ethics & Human Values	19199194	2019-2020	GRBT-19
	Basic Engineering Workshop	19193112	2019-2020	GRBT-19
	Problem Solving & Programming Laboratory With C	19195113	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
	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
	Principles of Signal Processing	14124702	2014-2015	GR-14
	Summer Internship	14120731	2014-2015	GR-14
	Energy Audit, Conservation & Management	14120801	2014-2015	GR-14
	Special Electrical Machines	14120862B	2014-2015	GR-14
	Electric Power Quality	14120863A	2014-2015	GR-14
	Comprehensive Viva-Voce	17221361	2014-2015	GR-14
B.Tech.(MECHANICAL ENGINEERING)	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

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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	Numerical Methods and Probability & Statistics	19198401	2019-2020	GRBT-19
	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
	Tribology	19130505-B	2019-2020	GRBT-19
	Industrial Robotics	19130505-C	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
	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
	Building Technology	17130604	2017-2018	GR -17
	Hybrid Vehicles	17130604	2017-2018	GR -17
	Principles of Management	17130604	2017-2018	GR -17
	Internet of Things	17130604	2017-2018	GR -17
	Social Networking	17130604	2017-2018	GR -17
	Environmental Pollution Control	17130604	2017-2018	GR -17
	Experimental Stress Analysis	17130606	2017-2018	GR -17
	Metal Forming Theory and Practice	17130706	2017-2018	GR -17
	Condition Monitoring	17130801	2017-2018	GR -17
	Digital Manufacturing	17130802	2017-2018	GR -17
	Design For Manufacturing	17130802	2017-2018	GR -17
	Pressure Vessels And Piping	17130802	2017-2018	GR -17
	Product Life Cycle Management	17130802	2017-2018	GR -17
	Renewable Energy Sources	17130802	2017-2018	GR -17
	Thermal Systems Design Lab	17232211	2017-2018	GRMT -17
	Advanced Cad Lab	17231111	2017-2018	GRMT -17
	Modelling And Analysis on Manufacturing Processes Lab	17231211	2017-2018	GRMT -17
B.Tech.(ELECTRONICS & COMMUNICATION)	Communicative English-I	19199102	2019-2020	GRBT-19
	Problem Solving & Programming In C	19195104	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
ENGINEERING)	Engineering Graphics	19193175	2019-2020	GRBT-19
	Communicative English Laboratory-I	19199111	2019-2020	GRBT-19
	Problem Solving & Programming	19195113	2019-2020	GRBT-19
	Communicative English-II	19199202	2019-2020	GRBT-19
	Applied Chemistry	19199203	2019-2020	GRBT-19
	Basic Electrical & Electronics Engineering	19192204	2019-2020	GRBT-19
	Python Programming	19195205	2019-2020	GRBT-19
	Communicative English Laboratory-II	19199211	2019-2020	GRBT-19
	Basic Electrical & Electronics Engineering Laboratory	19199212	2019-2020	GRBT-19
	Python Programming Laboratory	19195213	2019-2020	GRBT-19
	Engineering Chemistry Laboratory	19199214	2019-2020	GRBT-19
	Digital System Design & Digital IC Applications	17140504	2017-2018	GR-17
	Electronic Measurements and Instrumentation	17140604	2017-2018	GR-17
	Internet of Things	17143665A	2017-2018	GR-17
	Building Technology	17145665B	2017-2018	GR-17
	Renewable Energy Sources & Systems	17143665C	2017-2018	GR-17
	Robotics	17142665D	2017-2018	GR-17
	Principles of Management	17145665E	2017-2018	GR-17
	Social Networking	17145665F	2017-2018	GR-17
	Environmental Pollution	17145665G	2017-2018	GR-17
	Managerial Economics & Financial Analysis Control Systems	17149301	2017-2018	GR-17
	Network Analysis	17142302	2017-2018	GR-17
	Electrical Technology	17142303	2017-2018	GR-17
	Electronic Devices and Circuits	17140304	2017-2018	GR-17
	Switching Theory and Logic Design	17140305	2017-2018	GR-17
	Signals & Systems	17140306	2017-18	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
	Soft Skills – I	17149397	2017-2018	GR-17
	Networks & Electrical Technology Lab	17142311	2017-2018	GR-17
	Electronic Devices and Circuits Lab	17140312	2017-2018	GR-17
	Random Variable and Stochastic Process	17149401	2017-2018	GR-17
	Control Systems	17142402	2017-2018	GR-17
	Electronic Circuits Analysis	17140403	2017-2018	GR-17
	Electromagnetic Waves and Transmission Lines	17140404	2017-2018	GR-17
	Pulse and Digital Circuits	17140405	2017-2018	GR-17
	Analog Communication	17140406	2017-2018	GR-17
	Electronic Circuits Analysis Lab	17140411	2017-2018	GR-17
	Pulse And Digital Circuits Lab	17140412	2017-2018	GR-17
	Analog Communication Lab	17140413	2017-2018	GR-17
	VLSI Design	14140701	2014-2015	GR-14
	Microwave Engineering	14140702	2014-2015	GR-14
	Optical Communication	14140703	2014-2015	GR-14
	Cellular and Mobile Communication	14140704	2014-2015	GR-14
	VLSI Lab	14140711	2014-2015	GR-14
	Microwave & Optical Communication Lab	14140712	2014-2015	GR-14
	Summer Internship	14140731	2014-2015	GR-14
	IPR& Patents	14149797	2014-2015	GR-14
	Digital Image Processing	14140801	2014-2015	GR-14
	Electronic Measurements And Instrumentation	14140802	2014-2015	GR-14
	Project & Seminar	14140841	2014-2015	GR-14
B.Tech.(COMPUTER SCIENCE & ENGINEERING)	Engineering Physics	19199103	2019-2020	GRBT-19
	Problem Solving & Programming In C	19199104	2019-2020	GRBT-19
	Engineering Graphics	19193115	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
	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
	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

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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	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
	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

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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	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
	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
	Modern Vehicle Technology	19151765G	2019-2020	GRBT-19
	Intellectual Property Rights and Patents	19159796	2019-2020	GRBT-19
	Machine Learning Laboratory	19150712	2019-2020	GRBT-19
	Software Testing Methodologies	19150801	2019-2020	GRBT-19
	Distributed Databases	19150862A	2019-2020	GRBT-19
	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

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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	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
	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

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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	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
	Big Data Analytics Lab	17150713	2017-2018	GR-17
	Mini Project-I	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
	Computer Programming-1	14159103	2014-2015	GR-14
	Applied Mechanics	14159104	2014-2015	GR-14

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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	Advanced Computer Programming	14159205	2014-2015	GR-14
	Advanced Computer Programming Lab	14159212	2014-2015	GR-14
	Object Oriented Programming Through C++	14150302	2014-2015	GR-14
	Object Oriented Programming Lab	14150311	2014-2015	GR-14
	Probability and Statistics	14159401	2014-2015	GR-14
	Java Programming	14150402	2014-2015	GR-14
	Advanced Data Structures	14150403	2014-2015	GR-14
	Java Programming Lab	14150412	2014-2015	GR-14
	Advanced Data Structures Lab	14150411	2014-2015	GR-14
	Free Open Source Software (Foss) Lab	14150413	2014-2015	GR-14
	Data Communication	14150502	2014-2015	GR-14
	Principles of Programming Languages	14150503	2014-2015	GR-14
	Operating Systems	14150505	2014-2015	GR-14
	Operating Systems Lab	14150512	2014-2015	GR-14
	Soft Skills-II	14159596	2014-2015	GR-14
	Data Warehousing and Mining	14150602	2014-2015	GR-14
	Design and Analysis of Algorithms	14150603	2014-2015	GR-14
	Software Engineering	14150604	2014-2015	GR-14
	Web Technologies	14150605	2014-2015	GR-14
	Multimedia Computing	14150606	2014-2015	GR-14
	UML & Design Patterns	14150702	2014-2015	GR-14
	Mobile Computing	14150703	2014-2015	GR-14
	Software Project Management	14150704	2014-2015	GR-14
	Software Testing Methodologies	14150761-A	2014-2015	GR-14
	Simulation Modelling.	14150761-B	2014-2015	GR-14
	Information Retrieval Systems	14150761-C	2014-2015	GR-14

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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	14150761-D	2014-2015	GR-14
	High Performance Computing	14150761-E	2014-2015	GR-14
	Digital Forensics	14150762-A	2014-2015	GR-14
	Hadoop and Big Data	14150762-B	2014-2015	GR-14
	.Net Programming	14150762-C	2014-2015	GR-14
	Machine Learning	14150762-D	2014-2015	GR-14
	Advanced Databases	14150762-E	2014-2015	GR-14
	Human Computer Interaction	14150862-A	2014-2015	GR-14
	Advanced Operating Systems	14150862-B	2014-2015	GR-14
	Mobile Adhoc& Sensor Networks	14150862-C	2014-2015	GR-14
	Pattern Recognition	14150862-D	2014-2015	GR-14
	Digital Image Processing	14150862-E	2014-2015	GR-14
	Embedded and Real Time Systems	14150863-A	2014-2015	GR-14
	Neural Networks & Soft Computing	14150863-B	2014-2015	GR-14
	Social Networks and The Semantic Web	14150863-C	2014-2015	GR-14
	Parallel Computing	14150863-D	2014-2015	GR-14
	E-Commerce	14150863-E	2014-2015	GR-14
B.Tech.(AUTOMOBILE ENGINEERING)	Design Thinking & Product Innovation	19170386	2019-2020	GRBT-19
	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

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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	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
	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 ChassisComponents 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

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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	Vehicle Body Engineering & Safety	14170665A	2014-2015	GR-14
	Trouble Shooting, Servicing & Maintenance Of Automobiles	14170665B	2014-2015	GR-14
	Design For Safety & Comfort Of Automobiles	14170665C	2014-2015	GR-14
	Automotive Aerodynamics	14170665D	2014-2015	GR-14
	Microprocessors & Micro Controllers	14170761A	2014-2015	GR-14
	Computational Fluid Dynamics	14170761B	2014-2015	GR-14
	Electronic Engine & Vehicle Management System	14170761C	2014-2015	GR-14
	Condition Monitoring of Vehicle Dynamics	14170761D	2014-2015	GR-14
	Automotive Safety	14170863A	2014-2015	GR-14
	Automotive Manufacturing	14170863B	2014-2015	GR-14
	Automobile Conditioning	14170863C	2014-2015	GR-14
	Hybrid Electric & Fuel Cell Vehicle	14170863D	2014-2015	GR-14
	Management Science	14170864A	2014-2015	GR-14
	Principles of Entrepreneurship	14170864B	2014-2015	GR-14
	Simulation of SI & CI Engines	14170864C	2014-2015	GR-14
	Modern Vehicle Technology	14170864D	2014-2015	GR-14
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

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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	MECH - Robotics	19163466A	2019-2020	GRBT-19
	CSE- Operating Systems	19163466A	2019-2020	GRBT-19
	EEE- Utilization Of Electrical Energy	19163466A	2019-2020	GRBT-19
	ECE- Internet Of Things	19163466A	2019-2020	GRBT-19
	CE- Environmental Pollution & Control	19163466A	2019-2020	GRBT-19
	AME – Basic Automobile Engineering	19163466A	2019-2020	GRBT-19
	MM – Elements Of Mining Technology	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
	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

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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	Mining Machinery	17160603	2017-2018	GR-17
	Mine Construction Engineering	17160605	2017-2018	GR-17
	MECH – Nano Technology	19163665A	2019-2020	GRBT-19
	CSE – Human Computer Interaction	19163665A	2019-2020	GRBT-19
	EEE – Renewable Energy Resources	19163665A	2019-2020	GRBT-19
	ECE – Data Communication	19163665A	2019-2020	GRBT-19
	CE – Global Environment: Problems & Policies	19163665A	2019-2020	GRBT-19
	AME – Modern Vehicle Technology	19163665A	2019-2020	GRBT-19
	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
	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	17160761A	2017-2018	GR-17
	Disaster Management	17160761B	2017-2018	GR-17
	Rock Slope Engineering	17160761C	2017-2018	GR-17
	Mine Safety And Health Engineering	17160761D	2017-2018	GR-17
	Geostatics	17160762A	2017-2018	GR-17
	Rock Fragmentation Engineering	17160762B	2017-2018	GR-17
	Deep Sea Mining	17160762C	2017-2018	GR-17
	Tunnelling Engineering	17160762D	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

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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	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
	Planning of Underground Coal Mines	17160861B	2017-2018	GR-17
	Planning of Underground Metal Mines	17160861C	2017-2018	GR-17
	Tailing and Overburden Dump Management	17160861D	2017-2018	GR-17
	Project	17160841	2014-2015	GR-14
	T.D And F.M.	14160301	2014-2015	GR-14
	Mine Surveying - I	14160302	2014-2015	GR-14
	Mining Geology	14160303	2014-2015	GR-14
	Development Of Mineral Deposit	14160304	2014-2015	GR-14
	Drilling & Blasting	14160305	2014-2015	GR-14
	Machine Drawing	14167331	2014-2015	GR-14
	Mine Surveying Lab - I	14160311	2014-2015	GR-14
	Advance English Communication Skills Lab	14169312	2014-2015	GR-14
	Material Engineering	14160401	2014-2015	GR-14
	Basic Electrical Engineering	14160402	2014-2015	GR-14
	Kinematics Of Machinery	14160403	2014-2015	GR-14
	Mine Surveying II	14160404	2014-2015	GR-14
	Surface Mining	14160405	2014-2015	GR-14
	Cad Practice	14160406	2014-2015	GR-14
	Mine Surveying Lab II	14160411	2014-2015	GR-14
	Basic Electrical Engineering Lab	14162412	2014-2015	GR-14
	Mine Field Visit	14160481	2014-2015	GR-14
	Soft Skill - II	14169497	2014-2015	GR-14
	Mining Geology -II	14160501	2014-2015	GR-14

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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	Mine System Engineering	14160502	2014-2015	GR-14
	Underground Coal Mining	14160503	2014-2015	GR-14
	Mining Machinery - I	14160504	2014-2015	GR-14
	Mine Environmental Engineering - I	14160505	2014-2015	GR-14
	Industrial Engineering Management	14160506	2014-2015	GR-14
	Mining Geology Lab	14160511	2014-2015	GR-14
	Mine Environmental Engineering Lab	14160512	2014-2015	GR-14
	IPR& Patents	14160581	2014-2015	GR-14
	Mini Project	14169597	2014-2015	GR-14
	Rock Mechanics	14160601	2014-2015	GR-14
	Mine Environmental Engineering - II	14160602	2014-2015	GR-14
	Underground Metal Mining	14160603	2014-2015	GR-14
	Mining Machinery - II	14160604	2014-2015	GR-14
	Mine Planning And Design	14160605	2014-2015	GR-14
	Managerial Economics & Financial Analysis	14160606	2014-2015	GR-14
	Rock Mechanics Lab	14160611	2014-2015	GR-14
	Mine Planning & Design Lab	14162612	2014-2015	GR-14
	Industrial Training	14160681	2014-2015	GR-14
	Soft Skill - II	14169697	2014-2015	GR-14
	Mineral Economics	14160701	2014-2015	GR-14
	Computer Application In Mining	14160702	2014-2015	GR-14
	Mineral Processing	14160703	2014-2015	GR-14
	Mile Legisslation	14160704	2014-2015	GR-14
	Mine Ground Control	14160761A	2014-2015	GR-14
	Environment Management In Mines	14160761B	2014-2015	GR-14
	Rock Slope Engineering	14160761C	2014-2015	GR-14

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Name of the programme	Name of the Course	Course Code	Year of introduction (during the last five years)	Regulation
	Rock Fragmentation Engineering	14160761D	2014-2015	GR-14
	Computer Application In Mining Lab	14160711	2014-2015	GR-14
	Mineral Processing Lab	14160712	2014-2015	GR-14
	Survey Camp	14160713	2014-2015	GR-14
	Production Planning And Control	14160801	2014-2015	GR-14
	Mine Subsidence Engineering	14160861A	2014-2015	GR-14
	Mine Construction	14160861B	2014-2015	GR-14
	Tunneling Engineering	14160861C	2014-2015	GR-14
	Planning Of Underground Metal Mining Project	14160862A	2014-2015	GR-14
	Planning Of Underground Coal Mining Project	14160862B	2014-2015	GR-14
	Planning Of Surface Mining Project	14160862C	2014-2015	GR-14
	Industrial Robotics	14162863	2014-2015	GR-14
	Environmental Impact Assessment	14165871	2014-2015	GR-14
	Deep Sea Mining	14169863	2014-2015	GR-14
	Numerical Methods	14164864	2014-2015	GR-14
MASTER OF COMPUTER APPLICATIONS	Data Warehousing And Data Mining	17300501	2017-2018	GR-17
	OOAD Through UML	17300502	2017-2018	GR-17
	Computer Graphics And Multimedia Systems	17300503	2017-2018	GR-17
	Software Project Management	17300562A	2017-2018	GR-17
	Data Science	17300562B	2017-2018	GR-17
	Mobile Application Development	17300562C	2017-2018	GR-17
	Software Testing Methodologies	17300563A	2017-2018	GR-17
	Artificial Intelligence	17300563B	2017-2018	GR-17
	E-Commerce	17300563C	2017-2018	GR-17
	Data Warehousing And Data Mining Lab	17300511	2017-2018	GR-17
	OOAD Through UML Lab	17300512	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
	Computer Graphics And Multimedia Systems Lab	17300513	2017-2018	GR-17
	Big Data Analytics	17300601	2017-2018	GR-17
	Big Data Analytics Lab	17300611	2017-2018	GR-17
	Seminar	17300681	2017-2018	GR-17
	Dissertation / Viva Voce	17300641	2017-2018	GR-17
	Computer Programming	17300101	2017-2018	GR-17
	Digital Logic Design	17300102	2017-2018	GR-17
	Discrete Mathematical Structures And Graph Theory	17300103	2017-2018	GR-17
	Human Resource Management	17300104	2017-2018	GR-17
	Accounting And Financial Management	17300105	2017-2018	GR-17
	English Communication Lab	17300111	2017-2018	GR-17
	Computer Programming Lab	17300112	2017-2018	GR-17
	Digital Logic Design Lab	17300113	2017-2018	GR-17
	Data Structures	17300201	2017-2018	GR-17
	Computer Organization	17300202	2017-2018	GR-17
	OOPS Through Java	17300203	2017-2018	GR-17
	Organizational Structures And Personal Management	17300204	2017-2018	GR-17
	Intellectual Property Rights & Professional Ethics	17300205	2017-2018	GR-17
	Data Structures Lab	17300211	2017-2018	GR-17
	OOPS Through Java Lab	17300212	2017-2018	GR-17
	IT Workshop	17300213	2017-2018	GR-17
MASTER OF BUSINESS ADMISTRATION	Retail Management	17400361A	2017-2018	GR-17
	Security Analysis And Portfolio Management	17400362A	2017-2018	GR-17
	Strategic Human Recourse Management	17400363B	2017-2018	GR-17
	Web Designing	17400364B	2017-2018	GR-17

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