

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

EXAMINATION BRANCH

M.TECH. I YEAR -I SEMESTER -R17 REGULATION- SUPPLEMENTARY EXAMINATIONS OCTOBER-2021

T I M E T A B L E

TIME: 09:45 AM TO 12:45 PM

Course	20-10-2021 WEDNESDAY	22-10-2021 FRIDAY	25-10-2021 MONDAY	27-10-2021 WEDNESDAY	29-10-2021 FRIDAY	01-11-2021 MONDAY	03-11-2021 WEDNESDAY	06-11-2021 SATURDAY
CAD/CAM-04	Elective-II Computer Aided Process Planning	Elective-II Automation in Manufacturing	Advanced FEM	Elective-I	Computer Aided Manufacturing	OEI	Elective-II Performance Modeling and Analysis of Manufacturing Systems	Advanced CAD
				Mechanical Behavior of Materials		Electrical Installation And Safety		
				Stress Analysis and Vibration		Fundamentals Of Cyber Security		
				Additive Manufacturing Technologies		Computer Oriented Numerical Methods		
						Renewable Energy Systems		
COMPUTER SCIENCE-05	Advanced Algorithms	Software Engineering	Elective-I Network Security and Cryptography	Elective-I	Elective-II Parallel and Distributed Algorithms	OEI	Elective-II Software Architecture and Design Patterns	Computer Networking
				Internet of Things		Principles Of Electronic Communications		
				Mobile Application Development		Optimization Techniques And Applications		
				Graph Theory		Embedded Systems		
						Game Theory		
						Electrical Installation And Safety		
						Computer Oriented Numerical Methods		
						Renewable Energy Systems		

DATE: 01/10/2021

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DIGITAL SYSTEMS AND COMPUTER ELECTRONICS -06	CMOS VLSI Design	Advanced Digital System Design	Elective-I Advanced Data Communications	Real Time Operating Systems	Elective-II TCP/IP Internetworking	O E-I Fundamentals Of Cyber Security	Elective-II CPLD and FPGA Architectures and Applications	Elective-II Wireless Communications and Networks
			Digital Signal Processors and Architectures			Optimization Techniques And Applications		
			Image and Video Processing			Electrical Installation And Safety		
						Computer Oriented Numerical Methods Renewable Energy Systems		
ELECTRICAL POWER SYSTEMS -07	Advanced Power System Analysis	Advanced Power System Protection	Modern Control Theory	Elective-I Advanced Digital Signal Processing		OE-I Fundamentals Of Cyber Security	Elective-II Distribution Automation	Elective-I EHV AC Transmission
						Principles Of Electronic Communications	Microcontrollers and applications	High Voltage Engineering
						Computer Oriented Numerical Methods	Power Quality	
						Optimization Techniques And Applications		

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ENVIRONMENTAL ENGINEERING - 11	Environmental Chemistry and Microbiology	Advanced Water Supply Systems	Elective-I Environment and Ecology	Elective-II Environmental Impact Assessment	Elective-II Environmental Sanitation	OE-I Renewable Energy Systems	Advanced Waste Water Treatment		
			Environmental Hydrology		Environmental System Engineering				Electrical Installation And Safety
			Watershed Management						Optimization Techniques And Applications
									Principles Of Electronic Communications
									Fundamentals Of Cyber Security
GEOTECHNICAL ENGINEERING - 12	Advanced Soil Mechanics	Elective-II Rock Mechanics and Engineering	Soil Dynamics and Machine Foundations		Advanced Foundation Engineering	OE-I Renewable Energy Systems		Elective-I Earth & Rockfill Dams	
		Physical Modeling in Geotechnical Engineering.				Electrical Installation And Safety		Optimization Techniques	
		Soil - Structure Interaction				Optimization Techniques And Applications		Applied Statistics	
						Principles Of Electronic Communications			
						Fundamentals Of Cyber Security			

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MACHINE DESIGN - 15	Mechanical Behavior of Engineering Materials	Advanced Mechanics of Solids	ELECTIVE-I Vibration Analysis of Mechanical Systems	ELECTIVE-I Design Optimization Mechanics of Metal Forming	ELECTIVE-II Advanced Mechanics of Composite Materials Additive Manufacturing Technologies	OE-I Fundamentals Of Cyber Security	ELECTIVE-II Design for Manufacturing & Assembly	Computer Aided Geometric Modeling for Design
						Principles Of Electronic Communications		
						Electrical Installation And Safety		
						Computer Oriented Numerical Methods		
PRODUCTION ENGINEERING -16	Theory of Metal Cutting	ELECTIVE-I Machine Tool Design Automation in Manufacturing	Advanced Casting & Welding Technologies	Theory of Metal Forming	ELECTIVE-II Production & Operations Management Quality Engineering in Manufacturing Systems	OE-I Computer Oriented Numerical Methods	Elective-ii Design for Manufacturing & Assembly	ELECTIVE-I Precision Engineering
						Renewable Energy Systems		
						Electrical Installation And Safety		
						Principles Of Electronic Communications		
						Fundamentals Of Cyber Security		

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STRUCTURAL ENGINEERING -20		Structural Dynamics	Advanced Structural Analysis	ELECTIVE-II	ELECTIVE-I	OE-I		Theory of Elasticity
	Plastic Analysis & Design			Advanced Foundation Engineering	Renewable Energy Systems			
	Advanced Reinforced Concrete Design			Tall Buildings	Electrical Installation And Safety			
	Soil Dynamic & Foundation Engineering			Advanced Concrete Technology	Optimizatin Techniques And Applications			
					Principles Of Electronic Communications			
					Fundamentals Of Cyber Security			
THERMAL ENGINEERING -21	Advanced Thermodynamics	Advanced Heat Transfer	Advanced Fluid Mechanics	ELECTIVE-I	ELECTIVE-II	OE-I		ELECTIVE-I Renewable Energy Sources
				Fuels & Combustion	Thermal Measurements & Process Control	Computer Oriented Numerical Methods		
				Advanced Optimization Techniques & Applications	Advanced Materials for Thermal Systems	Renewable Energy Systems		
					Gas Dynamics	Electrical Installation And Safety		
						Principles Of Electronic Communications		
		Fundamentals Of Cyber Security						

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TRANSPORTATION ENGINEERING -22	Traffic Engineering and Management	Urban Transportation Planning and Management	Pavement Material Characterization	ELECTIVE-I	Elective-ii	OE-I Renewable Energy Systems Electrical Installation And Safety Optimization Techniques And Applications Principles Of Electronic Communications Fundamentals Of Cyber Security	ELECTIVE-II Road Safety Engineering	ELECTIVE-I Bridge Engineering	
				Engineering of Ground	Advanced Concrete Technology				
				Transportation System Management	Highway Geometric Design				
SOFTWARE ENGINEERING -25	Advanced Algorithms	ELECTIVE-II Big Data Analytics	ELECTIVE-I Cryptography and Network Security	ELECTIVE-I	Software Development Methodologies	OE-I Computer Oriented Numerical Methods Renewable Energy Systems Electrical Installation And Safety Optimization Techniques And Applications Principles Of Electronic Communications	ELECTIVE-II Web Mining Machine Learning Software Metrics and Quality Assurance	Software Requirements and Estimation	
				Cloud Computing					
				Database Internals					
				Internet Technologies and Services					

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MICROWAVE AND RADAR ENGINEERING. -30	Advanced Electromagnetic Theory	ELECTIVE-II Detection and Estimation Theory	ELECTIVE-II	ELECTIVE-I	Radar Systems Engineering	OE-I Computer Oriented Numerical Methods	Microwave Components and Measurements	ELECTIVE-I Satellite Communications
			Microwave Networks	Radio Navigational Aids				
			Optical Communications and Networks	Advanced Digital Signal Processing				
ADVANCED MANUFACTUR ING SYSTEMS - 33	Theory of Metal Cutting	Automation in Manufacturing	ELECTIVE-I Product Data Management	ELECTIVE-II	Computer Aided Manufacturing	OE-I Computer Oriented Numerical Methods	ELECTIVE-I Design For Manufacturing and Assembly	ELECTIVE-II Precision Engineering Advanced Mechatronics
			Special Manufacturing Process	Rapid Prototyping Technologies				

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COMPUTER AND COMMUNICATION ENGINEERING -36	ELECTIVE-II Voice over Internet Protocol		Advanced Data Communications	ELECTIVE-I Mobile Computing Technologies	TCP/IP Internetworking	OE-I	ELECTIVE-II Cognitive Radio Networks	Wireless Communications and Networks
	Spread Spectrum Communications			Queuing Theory and Applications		Computer Oriented Numerical Methods		
				3G Networks		Renewable Energy Systems		
						Electrical Installation And Safety		
						Optimization Techniques And Applications		
						Fundamentals Of Cyber Security		
CONTROL ENGINEERING -37			Modern Control Theory	ELECTIVE-I	ELECTIVE-II	OE-I	Digital Control Systems	Estimation of Signals and Systems.
				Process Modelling and Simulation	Advanced Microprocessors	Computer Oriented Numerical Methods		
				Intelligent Control	Instrumentation and Control	Optimization Techniques And Applications		
				System Dynamics and Control		DSP Processor Architecture and Applications		
						Fundamentals Of Cyber Security		

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DIGITAL ELECTRONICS AND COMMUNICATION ENGINEERING/ SYSTEMS-38	ELECTIVE-I Spread Spectrum Communications	Advanced Digital System Design	ELECTIVE-I Image and Video Processing	ELECTIVE-II Advanced Computer Architecture	ELECTIVE-II	OE-I	Coding Theory and Techniques	Broadband Communications
	Real Time Operating Systems				Optical Communications and Networks	Computer Oriented Numerical Methods		
					Advanced Digital Signal Processing	Renewable Energy Systems		
						Electrical Installation And Safety		
						Optimization Techniques And Applications		
					Fundamentals Of Cyber Security			
INFORMATION TECHNOLOGY - 40	Advanced Algorithms	ELECTIVE-II Big Data Analytics	ELECTIVE-I Multimedia and Rich Internet Applications	Internet of Things	Database Internals	OE-I	ELECTIVE-I Software Architecture and Design Patterns	ELECTIVE-II Computer Networking
		Information Retrieval Systems	Parallel and Distributed Algorithms			Computer Oriented Numerical Methods		
		Soft Computing	Cryptography and Network Security			Renewable Energy Systems		
						Electrical Installation And Safety		
						Optimization Techniques And Applications		
					Principles Of Electronic Communications			

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POWER AND INDUSTRIAL DRIVES-42	Machine Modeling and Analysis	Power Electronic Devices and Converters	Modern Control Theory	ELECTIVE-I	ELECTIVE-II	OE-I		ELECTIVE-II Digital Control Systems
				Special Machines	Advanced Digital Signal Processing	Computer Oriented Numerical Methods		
				High Frequency Magnetic Components	Electric Traction systems	Optimization Techniques And Applications		
				Programmable Logic Controllers and Applications		Principles Of Electronic Communications		
	Fundamentals Of Cyber Security							
POWER ELECTRONICS-43	Machine Modeling and Analysis	Power Electronic Devices and Converters	Modern Control Theory	ELECTIVE-I	ELECTIVE-II	OE-I		ELECTIVE-II Digital Control Systems
				Special Machines	Advanced Digital Signal Processing	Computer Oriented Numerical Methods		
				High Frequency Magnetic Components		Optimization Techniques And Applications		
				Programmable Logic Controllers and Applications		Principles Of Electronic Communications		
	Fundamentals Of Cyber Security							

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SYSTEMS AND SIGNAL PROCESSING- 45/93	ELECTIVE-I Digital System Design	ELECTIVE-I Biomedical Signal Processing	Transform Techniques	Random Processes and Time Series Analysis	ELECTIVE-II	OE-I Computer Oriented Numerical Methods	Adaptive Signal Processing	ELECTIVE-II Network Security and Cryptography				
		Introduction to Navigational Aids			Advanced Digital Signal Processing				Renewable Energy Systems			
					VLSI Signal Processing					Electrical Installation And Safety		
										Optimization Techniques And Applications		
										Fundamentals Of Cyber Security		
GEO- INFORMATICS AND SURVEYING TECHNOLOGY- 47	Remote Sensing	Geographical Information System	Elements of Photogrammetry	ELECTIVE-II Environmental Impact Assessment	ELECTIVE-I Digital Image Processing-I	OE-I Renewable Energy Systems						
					Database Management Systems				Object Oriented Programming	Electrical Installation And Safety		
									Advanced Surveying and Cartography		Statistical Methods	Optimization Techniques And Applications
												Principles Of Electronic Communications
												Fundamentals Of Cyber Security

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ELECTRICAL POWER ENGINEERING-49	Advanced Power System Analysis	Advanced Power System Protection	Modern Control Theory	ELECTIVE-I Advanced Digital Signal Processing		OE-I	ELECTIVE-II Power Quality	ELECTIVE-I High Voltage Engineering	
						Computer Oriented Numerical Methods			Microcontrollers and applications
						Optimization Techniques And Applications	Distribution Automation		
						Principles Of Electronic Communications			
						Fundamentals Of Cyber Security			
						DESIGN FOR MANUFACTURING-52	Advanced Mechanics of Solids	ELECTIVE-II	ELECTIVE-I Special Manufacturing Processes
Advanced Computer Aided Design	Advanced Finite Element Analysis	Quality Engineering in Manufacturing	Computer Oriented Numerical Methods						
	MEMS & Micro Systems : Design & Manufacture	Theory of Elasticity & Plasticity	Renewable Energy Systems						
			Electrical Installation And Safety						
			Principles Of Electronic Communications						
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POWER SYSTEM CONTROL AND AUTOMATION-53	Advanced Power System Analysis	Advanced Power System Protection	Modern Control Theory	ELECTIVE-I		OE-I	ELECTIVE-II	ELECTIVE-I
				Advanced Digital Signal Processing		Computer Oriented Numerical Methods	Power Quality	High Voltage Engineering
						Optimization Techniques And Applications	Microcontrollers and applications	EHV AC Transmission
						Principles Of Electronic Communications	Distribution Automation	
						Fundamentals Of Cyber Security		
POWER ELECTRONICS AND ELECTRIC DRIVES-54	Machine Modeling and Analysis	Power Electronic Devices and Converters	Modern Control Theory	ELECTIVE-I	ELECTIVE-II	OE-I		ELECTIVE-II
				Special Machines	Advanced Digital Signal Processing	Computer Oriented Numerical Methods		Digital Control Systems
				High Frequency Magnetic Components	Electric Traction systems	Optimization Techniques And Applications		
				Programmable Logic Controllers and Applications		Principles Of Electronic Communications		
						Fundamentals Of Cyber Security		

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EMBEDDED SYSTEMS-55	ELECTIVE-II	ELECTIVE-I Advanced Computer Architecture	Real Time Operating Systems	ARM Processor Architectures	Embedded System Design	OE-I Computer Oriented Numerical Methods	ELECTIVE-I CPLD and FPGA Architectures and Applications	ELECTIVE-I CMOS VLSI Design	
	Digital System Design					Renewable Energy Systems			
	TCP/IP Internetworking					Electrical Installation And Safety			
	Embedded C					Optimization Techniques And Applications			
						Fundamentals Of Cyber Security			
VLSI/ VLSI DESIGN/VLSI SYSTEM DESIGN-57	ELECTIVE-I	Advanced Digital System Design	Device Modeling	ELECTIVE-II	ELECTIVE-II	OE-I	ELECTIVE-I CPLD and FPGA Architectures and Applications	CMOS Analog Integrated Circuit Design	
	VLSI Technology			Advanced Computer Architecture		Embedded System Design			Computer Oriented Numerical Methods
	Hardware Software Co-Design					Algorithms for VLSI Design Automation			Renewable Energy Systems
									Electrical Installation And Safety
									Optimization Techniques And Applications
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COMPUTER SCIENCE AND ENGINEERING - 58	Advanced Algorithms	Software Engineering	ELECTIVE-I Network Security and Cryptography	ELECTIVE-I	Elective-ii	OE-I Computer Oriented Numerical Methods	ELECTIVE-II Software Architecture and Design Patterns	Computer Networking	
				Internet of Things	Parallel and Distributed Algorithms				
				Mobile Application Development	Embedded Systems Game Theory				Renewable Energy Systems
				Graph Theory					Electrical Installation And Safety
									Optimization Techniques And Applications
									Principles Of Electronic Communications
COMMUNICATION SYSTEMS - 61	Spread Spectrum Communications	ELECTIVE-I Detection and Estimation Theory	Advanced Data Communications	ELECTIVE-I Advanced Digital Signal Processing	ELECTIVE-II TCP/IP Internetworking	OE-I Computer Oriented Numerical Methods Renewable Energy Systems	ELECTIVE-II Cognitive Radio Networks	Wireless Communications and Networks	
				Radio Navigational Aids					Radar Systems Engineering
									Optimization Techniques And Applications
									Fundamentals Of Cyber Security

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WEB TECHNOLOGY - 62	Advanced Algorithms	Web Technologies and Services	ELECTIVE-II	ELECTIVE-I Database Internals	ELECTIVE-I	OE-I Computer Oriented Numerical Methods Renewable Energy Systems Electrical Installation And Safety Optimization Techniques And Applications Principles Of Electronic Communications	ELECTIVE-I Web Mining	Computer Networking
			Multimedia and Rich Internet Applications		Semantic Web and Social Networks			
			Object Oriented Modeling		Web Security			
			Scripting Languages					
			Information Retrieval Systems					
POWER ENGINEERING & ENERGY SYSTEMS 64	Advanced Power System Analysis	Advanced Power System Protection	Renewable Energy Technologies	ELECTIVE-I EHV AC Transmission	ELECTIVE-II Microcontrollers and applications	OE-I Fundamentals Of Cyber Security Principles Of Electronic Communications Computer Oriented Numerical Methods Optimization Techniques And Applications	ELECTIVE-II Power Quality	ELECTIVE-I High Voltage Engineering
				Advanced Digital Signal Processing	Distribution Automation			
WIRELESS AND MOBILE COMMUNICATIONS-65	ELECTIVE-II	Random Processes and Time Series Analysis	Advanced Data Communications	ELECTIVE-I	ELECTIVE-II	OE-I Computer Oriented Numerical Methods Renewable Energy Systems Electrical Installation And Safety Optimization Techniques And Applications Fundamentals Of Cyber Security	ELECTIVE-I Coding Theory and Techniques Detection and Estimation Theory	Wireless Communications and Networks
	Voice over Internet Protocol			Radio Navigational Aids	TCP/IP Internetworking			
	Queuing Theory and Applications							

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VLSI AND EMBEDDED SYSTEMS-68	ELECTIVE-I	ELECTIVE-II	VLSI Technology	Elective-i	Embedded System Design	OE-I	ELECTIVE-II CPLD and FPGA Architectures and Applications	CMOS Analog Integrated Circuit Design	
	Digital System Design	CMOS Digital Integrated Circuit Design		Advanced Computer Architecture		Computer Oriented Numerical Methods			
	Hardware Software Co- Design	VLSI DSP Architectures				Renewable Energy Systems			Electrical Installation And Safety
						Optimization Techniques And Applications			Fundamentals Of Cyber Security
ELECTRONICS AND COMMUNICATI ON ENGINEERING - 70	Digital System Design	ELECTIVE-I	ELECTIVE-I	ELECTIVE-II	Advanced Digital Signal Processing	OE-I	Coding Theory and Techniques		
		Detection and Estimation Theory	Digital Signal Processors and Architectures	Real Time Operating Systems		Computer Oriented Numerical Methods			
		Speech Signal Processing				Adhoc Wireless Sensor Networks			Renewable Energy Systems
						Advanced Computer Architecture			Electrical Installation And Safety
Optimization Techniques And Applications	Fundamentals Of Cyber Security								

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EXAMINATION BRANCH

M.TECH. I YEAR -I SEMESTER -R17 REGULATION- SUPPLEMENTARY EXAMINATIONS OCTOBER-2021

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CONTROL SYSTEMS – 75			Modern Control Theory	ELECTIVE-I Process Modelling and Simulation	ELECTIVE-II Advanced Microprocessors	OE-I Computer Oriented Numerical Methods	Digital Control Systems	Estimation of Signals and Systems.
				Intelligent Control	Instrumentation and Control	Optimization Techniques And Applications		
				System Dynamics and Control	DSP Processor Architecture and Applications	Principles Of Electronic Communications		
					Fundamentals Of Cyber Security			
EMBEDDED SYSTEMS & VLSI DESIGN-77	ELECTIVE-I Digital System Design	ELECTIVE-II CMOS Digital Integrated Circuit Design	VLSI Technology	ELECTIVE-I Advanced Computer Architecture	Embedded System Design	OE-I Computer Oriented Numerical Methods	ELECTIVE-II CPLD and FPGA Architectures and Applications	CMOS Analog Integrated Circuit Design
	Hardware Software Co-Design	VLSI DSP Architectures		Renewable Energy Systems		Electrical Installation And Safety		
				Optimization Techniques And Applications		Fundamentals Of Cyber Security		

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COMPUTER NETWORKS AND INFORMATION SECURITY (CNIS) -78	Advanced Algorithms	Computer Networking	Cryptography and Network Security	ELECTIVE-I	ELECTIVE-II	OE-I Computer Oriented Numerical Methods Renewable Energy Systems Electrical Installation And Safety Optimization Techniques And Applications Principles Of Electronic Communications		
				Cloud Computing	Internet of Things			
				Privacy and Security in Cyber Space	Embedded Systems Distributed Systems and security			
				Software Defined Networks	Database Security			
				Network Management and Performance Evaluation				
				MECHATRONICS -80	Applied Industrial Pneumatics			
Control systems	Photo Voltaic & Solar Thermal Systems	Precision Engineering						
Instrumentation & Sensor Technology		Advanced CNC Technology						
Programmable Logic Controller & Applications								

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COMPUTER NETWORKS-82	Advanced Algorithms	Computer Networking	Cryptography and Network Security	ELECTIVE-I	ELECTIVE-II	OE-I Computer Oriented Numerical Methods Renewable Energy Systems		
				Cloud Computing	Internet of Things			
				Software Defined Networks	Embedded Systems			
				Privacy and Security in Cyber Space	Distributed Systems and security			
				Network Management and Performance Evaluation	Database Security			
						Electrical Installation And Safety		
						Optimization Techniques And Applications		
						Principles Of Electronic Communications		
HIGHWAY ENGINEERING - 87	Traffic Engineering and Control	Urban Transportation Planning and Management	Pavement Material Characterization	ELECTIVE-II	ELECTIVE-II	OE-I Renewable Energy Systems	ELECTIVE-I Road Safety Engineering	ELECTIVE-I Bridge Engineering
				Transportation System Management	Advanced Concrete Technology			
					Highway Geometric Design			
					Electrical Installation And Safety			
					Optimization Techniques And Applications			
						Ground Improvement Techniques		
						Principles Of Electronic Communications		
						Fundamentals Of Cyber Security		

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HEATING VENTILATION & AIR CONDITIONING -91	Advanced Thermodynamics	Refrigeration	Air Conditioning	ELECTIVE-I Renewable Energy Sources	ELECTIVE-II Equipment Design for Thermal Systems	OE-I Computer Oriented Numerical Methods	ELECTIVE-I Cryogenic Engineering	
				Computational Fluid Dynamics	Alternative Refrigerants			
					Cold Storage Technology & Systems			
					Renewable Energy Systems			
					Electrical Installation And Safety			
					Principles Of Electronic Communications			
	Fundamentals Of Cyber Security							
ENGINEERING DESIGN. - 95	Advanced Mechanics of Solids	Advanced Mechanics of Machinery	Vibration Analysis of Mechanical Systems	ELECTIVE-I Design Optimization	ELECTIVE-II Mechanics of Metal Forming	OE-I Computer Oriented Numerical Methods	Elective-ii Design for Manufacturing & Assembly	ELECTIVE-I Theory of Elasticity
				Computer Simulation of Machines	Advanced Mechanics of Composite Materials			
					Renewable Energy Systems			
					Electrical Installation And Safety			
					Principles Of Electronic Communications			
					Fundamentals Of Cyber Security			

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CONSTRUCTION MANAGEMENT - A1	ELECTIVE-I Construction Project planning and Administration.	Quantitative Methods in Construction Management	ELECTIVE-II Geotechnics for Infrastructure.	ELECTIVE-I	Construction Methods and Equipment	OE-I Renewable Energy Systems	ELECTIVE-II Integrated Water Resources Management.	Construction Engineering practices			
				Infrastructure Valuation					Electrical Installation And Safety		
				Formwork and scaffolding design.						Repair & Rehabilitation of Buildings	
											Optimization Techniques And Applications
											Principles Of Electronic Communications
											Fundamentals Of Cyber Security
CYBER FORENSICS & INFORMATION SECURITY - A2	ELECTIVE-I Advanced Algorithms	Applied Cryptography	Network and Wireless Security	ELECTIVE-I	ELECTIVE-II Web Security	OE-I Computer Oriented Numerical Methods	ELECTIVE-II Machine Learning	Secure Operating System			
				Database Security					Distributed Systems Mobile Application Security		
				Cloud Computing and Security						Renewable Energy Systems	
				Information Systems Control And Audit							Electrical Installation And Safety
											Optimization Techniques And Applications
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CYBER SECURITY - A3	ELECTIVE-I Advanced Algorithms	Applied Cryptography	Network and Wireless Security	ELECTIVE-I	ELECTIVE-II	OE-I Computer Oriented Numerical Methods	ELECTIVE-II Machine Learning	Secure Operating System		
				Database Security					Renewable Energy Systems	
				Cloud Computing and Security					Electrical Installation And Safety	
				Information Systems Control And Audit					Optimization Techniques And Applications	
VLSI DESIGN- A5	ELECTIVE-I VLSI Technology	Advanced Digital System Design	Device Modeling	(ELECTIVE-II) Advanced Computer Architecture	ELECTIVE-II Algorithms for VLSI Design Automation	OE-I Computer Oriented Numerical Methods	ELECTIVE-I CPLD and FPGA Architectures and Applications	CMOS Analog Integrated Circuit Design		
									Hardware Software Co-Design	Renewable Energy Systems
									Electrical Installation And Safety	
									Optimization Techniques And Applications	
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 (II). EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES.THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL