

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY-HYDERABAD-500085

EXAMINATION BRANCH

M.TECH-II SEMESTER -R17 REGULATION SUPPLEMENTARY EXAMINATIONS DECEMBER-2018

T I M E T A B L E

TIME : 10:00 AM TO 1:00 PM

COURSE	18-12-2018 TUESDAY	20-12-2018 THURSDAY	22-12-2018 SATURDAY	27-12-2018 THURSDAY	29-12-2018 SATURDAY	01-01-2019 TUESDAY	03-01-2019 THURSDAY	05-01-2019 SATURDAY
CAD/CAM-04	ELECTIVE-III Special Manufacturing Process	Flexible Manufacturing Systems	Industrial Robotics	Design for Manufacturing And Assembly	(OE-II) <u>Finite Element Method</u> <u>Optimization Techniques</u> <u>Industrial Instrumentation</u> Principles of Computer Communications and <u>Networks</u> <u>Energy From Waste</u> Distributed Generation and <u>Microgrid</u> <u>Reliability Engineering</u> Machine Learning	(ELECTIVE-IV) Advanced Mechatronics MEMS and Micro Systems: Design and Manufacturing Fuzzy Logic and Neural Networks	(ELECTIVE-III) Optimization Techniques and Applications	(ELECTIVE-III) Intelligent Manufacturing Systems
COMPUTR SCIENCE-05	Network Programming	Elective-IV Software Process and Project Management	Distributed Systems and Cloud Computing	(ELECTIVE-III) Data Warehousing and Data Mining Storage Area Networks Semantic Web and Social Networks	(OE-II) <u>Finite Element Method</u> <u>Optimization Technique</u> <u>Industrial Instrumentation</u> Principles of Computer Communications and <u>Networks</u> <u>Energy From Waste</u> Distributed Generation and <u>Microgrid</u> <u>Reliability Engineering</u> Engineering Research Methodology	(ELECTIVE-IV) Big Data Analytics Soft Computing Machine Learning	(ELECTIVE-III) Cyber Security	Theory of Computation

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DIGITAL SYSTEM & COMPUTER ELECTRONICS -06	Advanced Computer Architecture	Design of Fault Tolerant Systems	Embedded System Design	(E-III) Virtual Instrumentation	(OE-II) Finite Element Method	(Elective-IV) Verilog Hardware Description Language	(Elective-IV) System On Chip Architectures	(E-III) Scripting Languages
				Network Security and Cryptography	Optimization Techniques			
					Energy From Waste			
					Distributed Generation and Microgrid			
					Reliability Engineering			
					Engineering Research Methodology			
					Machine Learning			
ELECTRICAL POWER SYSTEMS – 07	Power System Dynamics and Control		Power System Operation and Deregulation	(Elective -III) Gas Insulated Systems(GIS)	(OE-II) Finite Element Method	Elective -IV) Reactive Power Compensation and Management		Flexible AC Transmission Systems (FACTS)
				Programmable Logic Controllers and their applications	Optimization Techniques			
				Energy Auditing Conservation and Management	Industrial Instrumentation			
					Principles Of Computer Communications And Networks			
					Machine Learning			
					Engineering Research Methodology			

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Environmental Engineering-11	Air Pollution and Control	Industrial Waste Water Treatment	Solid Waste Management	(Elective -III) Ground Water Contamination and Remediation	(OE-II) Industrial Instrumentation	Elective -IV) Environmental Geotechnology Environmental Biotechnology Hazardous Waste management		
				Disaster Management	Principles of Computer Communications and Networks			
				Water Quality Modeling	Energy From Waste			
					Distributed Generation and Microgrid			
					Reliability Engineering			
					Engineering Research Methodology			
					Machine Learning			
Machine Design-15	Experimental Stress Analysis(ST)	Analysis & Synthesis of Mechanisms	(Elective –III) Industrial Robotics	(Elective –III) Fuzzy logic & Neural Networks	(OE-II) Finite Element Method	(Elective –IV) Vehicle Dynamics Design and Analysis of Experiments Structural Health Monitoring	Finite Element Analysis	Engineering Design
			Product Design & Development		Optimization Techniques			
					Industrial Instrumentation			
					Principles of Computer Communications and Networks			
					Energy From Waste			
					Distributed Generation and Microgrid			
					Reliability Engineering			
					Machine Learning			
					Mechanical Behavior of Engineering Materials (ST)			

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Production Engineering -16	Advanced Manufacturing Processes	E-IV Performance Modeling & Analysis Of Manufacturing System Advanced Finite Element Methods	Advanced Tool Design	(Elective –III) Material Technology	(OE-II) Finite Element Method	(Elective –III) Vibration Analysis & Condition Monitoring	(E-IV) Experimental Techniques &Data Analysis	(Core) Computer Aided Process Planning
				Additive manufacturing Technologies	Optimization Techniques			
					Industrial Instrumentation			
					Principles of Computer Communications and Networks			
					Energy From Waste			
					Distributed Generation and Microgrid			
					Reliability Engineering			
					Machine Learning			
Structural Engineering -20	Pre-stressed Concrete	core Advanced Steel Design	(Elective –IV) Repair & Rehabilitation of Buildings	Theory of Plates	(OE-II) Industrial Instrumentation	(Elective –IV) Earthquake Resistant Design of Buildings	(Elective –IV) Stability of Structures	(E-III) Finite Element Method
					Principles of Computer Communications and Networks			Bridge Engineering
					Energy From Waste			Design of Substructures
					Distributed Generation and Microgrid			
					Reliability Engineering			
					Engineering Research Methodology			
					Machine Learning			

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Thermal Engineering- 21	Refrigeration and Air Conditioning	(E-III) Advanced Finite Element Methods	Computational Fluid Dynamics	(E-III) Alternate Fuels for I.C. Engines	(OE-II) Finite Element Method Optimization Techniques	(E-III) Convective Heat Transfer		Advanced I.C. Engines	
				Turbo machines & Propulsion Systems	Industrial Instrumentation				Equipment Design For Thermal Systems Computer Simulation of SI & CI Engine
					Principles of Computer Communications and Networks				
					Energy From Waste				
					Distributed Generation and Microgrid				
					Reliability Engineering				
					Machine Learning				
Transportation Engineering -22	Traffic Analysis	Land Use Transportation Modeling	(E-III) Airport Engineering	Pavement Analysis and Design	(OE-II) Industrial Instrumentation	(E-III) Pavement Construction Maintenance and Management	(E-III) Environmental Impact assessment for Transportation Projects	(E-III) Highway Project Formulation & Economics	
					Principles of Computer Communications and Networks				
					Energy From Waste				
					Distributed Generation and Microgrid		Intelligent transportation systems Rural Roads		
					Reliability Engineering				
					Engineering Research Methodology				
					Machine Learning				

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Software Engineering-25	Software Architecture and Design Patterns	Software Process and Project Management	Software Quality Assurance and Testing	(Elective –III) Semantic Web and Social Networks	(OE-II) Finite Element Method	(Elective –IV) Software Security Engineering	(Elective –IV) Cyber Security	(Elective –III) Scripting Languages
					Optimization Techniques			
					Industrial Instrumentation	Systems Engineering	E - Commerce	
					Principles of Computer Communications and Networks			
					Energy From Waste			
					Distributed Generation and Microgrid			
					Reliability Engineering			
					Engineering Research Methodology			

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Microwave & Radar engineering -30	Microwave Antenna Theory & Design	Radar Signals and Processing Techniques	Microwave Solid State Devices	(Elective –III) Broadband Communications	OE-II Finite Element Method		(Elective –IV) Smart Antennas	
					Optimization Techniques		Microwave Integrated Circuits	
				Phased Array Systems	Energy From Waste		Radar Signal Processing	
				EMI / EMC	Distributed Generation and Microgrid			
					Reliability Engineering			
					Engineering Research Methodology			
					Machine Learning			
Advanced Manufacturing Systems -33	Manufacturing Systems: Simulation Modeling & Analysis	Performance Modeling & Analysis of Manufacturing Systems	(Elective –III) Industrial Robotics	Materials Technology	OE-II Finite Element Method	(Elective –IV) Total Quality Management	(Elective –III) Quality Engineering in Manufacturing	
		Advanced Tool Design	Optimization Techniques		Vibrational Analysis & Conditioning Monitoring			
			Industrial Instrumentation		Concurrent Engineering & Product life cycle Management			
			Principles of Computer Communications and Networks					
			Energy From Waste					
			Distributed Generation and Microgrid					
			Reliability Engineering					
			Machine Learning					

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Digital Electronics and communication systems/engg-38	Detection and Estimation Theory	Design of Fault Tolerant Systems	(Elective –IV) Digital Signal Processors and Architectures	Elective-III Software Defined Radio Cellular and Mobile Communications	OE-II Finite Element Method Optimization Techniques	(Elective –IV) Network Security And Cryptography	Elective-III System on Chip Architecture	Wireless Communications and Networks
			EMI / EMC		Energy From Waste			
			Distributed Generation And Microgrid					
			Reliability Engineering					
			Engineering Research Methodology					
			Machine Learning					
Information Technology-40	Machine Learning with R	Mobile Application Development	(Elective –IV) Software Quality Assurance and Testing	(Elective –III) Information Security And Audit Internet Technologies and Services Semantic Web and Social Networks Embedded Systems	(OE-II) Finite Element Method Optimization Techniques	Software Engineering	(Elective –IV) Cloud Computing and Distributed Computing	(Elective –IV) E-Commerce
			Cyber Security and Forensics		Industrial Instrumentation Principles Of Computer Communications And Networks			
			Energy From Waste					
			Distributed Generation And Microgrid					
			Reliability Engineering					
			Engineering Research Methodology					

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Power and Industrial Drives -42	Power Electronic Applications to Renewable Energy	Embedded Systems for Power Electronic Applications	Power Electronic Control of Drives		(OE-II)	(Elective –IV)	(Elective –III)	
					Finite Element Method	Dynamics of Electrical Machines		
					Optimization Techniques	Hybrid Electric Vehicles		
					Industrial Instrumentation	Smart Grid Technologies		
					Principles Of Computer Communications And Networks			
					Engineering Research Methodology			
Machine Learning	AI Techniques in Electrical Engineering							
Power Electronics -43	Power Electronic Applications to Renewable Energy	Embedded Systems for Power Electronic Applications	Power Electronic Control of Drives		(OE-II)	(Elective –IV)	(Elective –III)	
					Finite Element Method	Dynamics of Electrical Machines		
					Optimization Techniques	Hybrid Electric Vehicles		
					Industrial Instrumentation	Smart Grid Technologies		
					Principles Of Computer Communications And Networks			
					Engineering Research Methodology			
Machine Learning	AI Techniques in Electrical Engineering							

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Systems and Signal processing -45	Detection and Estimation Theory	Digital Signal Processors and Architectures	CORE Image and Video Processing	(Elective –III) Embedded System Design	OE-II Finite Element Method	(Elective –III) Spread Spectrum Communication	(Elective –IV) System on Chip Architecture	(Elective –IV) Coding Theory and Techniques	
					Optimization Techniques				Speech Signal Processing
					Energy From Waste				
					Distributed Generation And Microgrid				
					Reliability Engineering				
					Engineering Research Methodology				
					Machine Learning				
Electrical Power Engineering -49	Power System Dynamics and Control		Power System Operation and Deregulation	(Elective -III) Gas Insulated Systems(GIS)	(OE-II) Finite Element Method	Elective -IV) Reactive Power Compensation and Management	Flexible AC Transmission Systems (FACTS)		
			Programmable Logic Controllers and their applications	Optimization Techniques	Power System Reliability				
			Energy Auditing Conservation and Management	Industrial Instrumentation	Voltage Stabiity				
				Principles of Computer Communications and Networks					
				Engineering Research Methodology					
				Machine Learning					

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Design for manufacturing-52	Design of Hydraulic & Pneumatic Systems		Advanced Tool Design	(Elective –III) Intelligent Manufacturing Systems	OE-II Finite Element Method	(Elective –IV) Smart Materials & Structures	(Elective –IV) Optimization Techniques and Applications	Precision Engineering	
					Optimization Techniques	Vibration Analysis & Condition Monitoring			
					Product Data Management				
					Industrial Instrumentation				
					Fuzzy Logic and Neural Networks				Energy From Waste
									Distributed Generation And Microgrid
									Reliability Engineering
									Machine Learning
Power Electronics and Electric Drives -54	Power Electronic Applications to Renewable Energy	Embedded Systems for Power Electronic Applications	Power Electronic Control of Drives		(OE-II) Finite Element Method	(Elective –IV) Dynamics of Electrical Machines	(Elective –III) Switched Mode Power Supplies (SMPS)		
					Optimization Techniques				
					Industrial Instrumentation	Hybrid Electric Vehicles	HVDC & FACTS		
					Principles Of Computer Communications And Networks				
					Engineering Research Methodology	Smart Grid Technologies	AI Techniques in Electrical Engineering		
					Machine Learning				

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Embedded Systems -55	(Elective –IV) Hardware Software Co- Design	(Core) Embedded Computing	Sensors and Actuators	(Elective –IV) Advanced Digital Signal Processing	OE-II Finite Element Method	(Elective –IV) Network Security and Cryptography	CORE System on Chip Architecture	(Elective –III) Design for Testability	
					Optimization Techniques				Scripting Languages
					Energy From Waste				
					Distributed Generation And Microgrid				
					Reliability Engineering				
					Engineering Research Methodology				
					Machine Learning				
VLSI system Design/VLSI Design -57	Low Power VLSI Design	CMOS Mixed Signal Circuit Design	Design For Testability	(Elective –IV) RF IC Design	OE-II) Finite Element Method	(Elective –III) VLSI and DSP Architectures	(Elective –IV) System On Chip Architecture	(Elective –IV) Scripting Languages	
					Optimization Techniques				
					Energy From Waste	Full custom IC Design			
					Distributed Generation And Microgrid	Verilog Hardware Description Language			
					Reliability Engineering				
					Engineering Research Methodology				
					Machine Learning				

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Computer Science Engineering -58	Network Programming	Elective-IV Software Process and Project Management	Distributed Systems and Cloud Computing	(Elective –III) Data Warehousing and Data Mining	(OE-II) Finite Element Method Optimization Techniques	(Elective –IV) Big Data Analytics Soft Computing	(Elective –III) Cyber Security	Theory of Computation
				Storage Area Networks	Industrial Instrumentation	Machine Learning		
				Semantic Web and Social Networks	Principles Of Computer Communications And Networks			
					Energy From Waste			
				Distributed Generation And Microgrid				
				Reliability Engineering				
				Engineering Research Methodology				
				Machine Learning				
Communication Systems -61	Advanced Communications and Networks	3G Networks	(E3) Wireless MIMO Communications	(E3) Wireless LANs and PANS	OE-II Finite Element Method Optimization Techniques	(E4) Network Security and Cryptography	(E4) Optical Communications and Networks	Coding Theory and Techniques
				Ad-hoc Wireless Networks	Energy From Waste	Multimedia and Signal Coding		
					Distributed Generation And Microgrid			
					Reliability Engineering			
					Engineering Research Methodology			
					Machine Learning			

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Web Technologies -62	(Elective –III) Software Architecture and Design Patterns	Mobile Application Development	Internet Of Things	(Elective –III) Human Computer Interaction	OE-II Finite Element Method	(Elective –IV) Big Data Analytics	(Elective –IV) Cloud Computing	Web Services and Service Oriented Architecture
					Optimization Techniques			
				Cyber Security	Industrial Instrumentation	Distributed Computing		
				Computer Forensics	Principles Of Computer Communications And Networks			
					Energy From Waste			
					Distributed Generation And Microgrid			
					Reliability Engineering			
					Engineering Research Methodology			

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Wireless and Mobile Communication -65	Advanced Communication Systems	(Elective –IV) Software Defined Radio 3G Networks	Adhoc Wireless Networks	(Elective –III) Optical Communications and Networks	OE-II Finite Element Method	(Elective –IV) Network Security and Cryptography	Spread Spectrum Communications	(Elective –III) Wireless Sensor Networks
					Optimization Techniques			
		Energy From Waste						
		Distributed Generation And Microgrid						
		Reliability Engineering						
		Engineering Research Methodology						
		Machine Learning						
VLSI and Embedded Systems -68	Low Power VLSI Design	CMOS Mixed Signal Circuit Design	Real Time Operating Systems	(Elective –III) Embedded Networking	OE-II Finite Element Method	(Elective –IV) Physical Design Automation	(Elective –III) System On Chip Architecture	(Elective –IV) Design for Testability
					Optimization Techniques			
					Energy From Waste			
				Advanced Digital Signal Processing	Distributed Generation And Microgrid	Scripting Languages		
					Reliability Engineering			
					Engineering Research Methodology			
					Machine Learning			
Electronics and Communication Engineering-70	System on Chip Architectures	Elective -IV Design of Fault Tolerant Systems	Embedded System Design	E-IV Image and Video Processing	OE-II Finite Element Method	(Elective –III) Spread Spectrum Communications	E-IV Optical Communications and Networks	Wireless Communications and Networks
					Optimization Techniques			
					Energy From Waste			
					Distributed Generation And Microgrid	Network Security And Cryptography		
					Reliability Engineering			
					Engineering Research Methodology			
					Machine Learning			

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Control Systems -75	Optimal Control Theory	Adaptive and Learning Control	Embedded Systems and Control	(Elective –IV) Advanced Digital Signal Processing	OE-II Finite Element Method	(Elective –III) Programmable Logic Controllers and Applications	(Elective –IV) Real Time Systems Robotics and Control	(Elective –III) Non-linear Systems
					Optimization Techniques			
					Industrial Instrumentation			
					Principles Of Computer Communications And Networks	Robust Control		
					Engineering Research Methodology			
					Machine Learning			
Embedded Systems & VLSI Design-77	Low Power VLSI Design	CMOS Mixed Signal Circuit Design	Real Time Operating Systems	(Elective –III) Advanced Digital Signal Processing	OE-II Finite Element Method	(Elective –IV) Physical Design Automation	(Elective –III) System On Chip Architecture	(Elective – IV) Design for Testability
					Embedded Networking			
				Energy From Waste	Scripting Languages			
				Distributed Generation And Microgrid				
				Reliability Engineering				
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Computer Networks and Information Security -78	Network Programming	Wireless Networks		ELECTIVE-III Digital Water Marking and Steganography	(OE-II) Finite Element Method	(Elective –IV) Storage Area Networks	Cyber Security	IT Security- Threats and Vulnerability
				Optimization Techniques	Ethical Hacking			
				Big Data Analytics	Industrial Instrumentation	Information Systems control and Audit		
				Network Security Standards and Applications Evaluation	Principles Of Computer Communications And Networks			
				Internet Technologies and Services	Energy From Waste			
					Distributed Generation And Microgrid			
					Reliability Engineering			
Engineering Research Methodology								
Mechatronics -80	Micro Controller & Applications	Additive Manufacturing Technologies	Industrial Robotics	(Elective –III) Design for Manufacture & Assembly	OE-II Finite Element Method	ELECTIVE-IV Computer Aided Metrology & Machine Vision	(Elective –III) MEMS	(Elective –IV) Intelligent Manufacturing Systems
				Optimization Techniques	Industrial Instrumentation			
				Fuzzy Logic & Neural Networks	Principles Of Computer Communications And Networks	Nano Composites- Design & Synthesis		
				Energy From Waste				
				Distributed Generation And Microgrid				
				Reliability Engineering				
				Machine Learning				

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EXAMINATION BRANCH

M.TECH-II SEMESTER -R17 REGULATION SUPPLEMENTARY EXAMINATIONS DECEMBER-2018

T I M E T A B L E

TIME : 10:00 AM TO 1:00 PM

COURSE	18-12-2018 TUESDAY	20-12-2018 THURSDAY	22-12-2018 SATURDAY	27-12-2018 THURSDAY	29-12-2018 SATURDAY	01-01-2019 TUESDAY	03-01-2019 THURSDAY	05-01-2019 SATURDAY
Computer Networks -82	Network Programming	Wireless Networks		(Elective –III) Internet Technologies and Services	(OE-II) Finite Element Method Optimization Techniques	(Elective –IV) Storage Area Networks	(Elective –IV) Cyber Security	IT Security- Threats and Vulnerability
				Digital Water Marking and Steganography	Industrial Instrumentation	Ethical Hacking		
				Big Data Analytics	Principles Of Computer Communications And Networks	Information Systems Control And Audit		
				Network Security Standards and Applications Evaluation	Energy From Waste			
					Distributed Generation And Microgrid			
					Reliability Engineering			
					Engineering Research Methodology			
Highway Engineering -87	(Elective-III) Traffic Analysis	(Elective –III) Land use and Transportation Modeling	(Elective –IV) Airport Engineering	Pavement Analysis and Design	(OE-II) Industrial Instrumentation	(Elective –IV) Intelligent transportation systems	Pavement Construction, Maintenance & Management	Highway Project Formulation and Economics
		Environmental Impact Assessment for Transportation Projects			Principles Of Computer Communications And Networks	Rural Roads		
					Energy From Waste			
					Distributed Generation And Microgrid			
					Reliability Engineering			
					Engineering Research Methodology			
					Machine Learning			

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M.TECH-II SEMESTER -R17 REGULATION SUPPLEMENTARY EXAMINATIONS DECEMBER-2018

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Electronics and Instrumentation -88	Industrial Automation		Sensors and Actuators	(Elective –III) Advanced Instrumentation Systems	(OE-II) Finite Element Method	(Elective –IV) MEMS and Applications	Advanced Process Control Instrumentation	(Elective-iii) Instrumentation Practices in Industries
					Optimization Techniques			
					Energy From Waste	Robotic Design and Control		
					Distributed Generation and Microgrid			
					Quality and Reliability Engineering	Advanced Image Processing		
					Reliability Engineering			
					Engineering Research Methodology			
Machine Learning								
Heating Ventilation & Air Conditioning -91	Advanced Heat Transfer	Ventilation Systems	Heating systems	(Elective –III) Refrigeration Air Condition Equipment & Control Systems	(OE-II) Finite Element Method	(Elective –IV) Energy Conversion and Management		
					Optimization Techniques			
					Industrial Instrumentation	Automotive Air Conditioning		
					Principles Of Computer Communications And Networks	Maintenance of Refrigeration & Air Conditioning Equipment		
					Ducting And Air-Conditioning Supply Systems			
					Energy Storage Systems			
					Distributed Generation And Microgrid			
Reliability Engineering								
Machine Learning								
Systems and Signal processing -93	Detection and Estimation Theory	Digital Signal Processors and Architectures	(Elective –III) Embedded System Design	CORE Image and Video Processing	OE-II Finite Element Method	(Elective –III) Spread Spectrum Communication	Elective –IV) System on Chip Architecture	Elective –IV) Coding Theory and Techniques
					Optimization Techniques			
					Energy From Waste	Speech Signal Processing		
					Distributed Generation And Microgrid			
					Reliability Engineering			
					Engineering Research Methodology			
					Machine Learning			
							Wireless Communications and Networks	

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Engineering Design -95	Experimental Stress Analysis	Advanced Finite Element Methods	(Elective –III) Industrial Robotics	(Elective –III)	OE-II Finite Element Method	(Elective –IV) Vehicle Dynamics	(Elective –III) Engineering Design	Mechanical Behavior of Engineering Materials
				Fuzzy logic & Neural Networks	Optimization Techniques	Design and Analysis of Experiments		
					Industrial Instrumentation	Structural Health monitoring		
					Principles Of Computer Communications And Networks			
					Energy From Waste			
					Distributed Generation And Microgrid			
					Reliability Engineering			
					Machine Learning			
Construction Management -A1	Management of quality and safety in construction	Construction and Contract Management		(Elective –III) Construction Economics and Finance	OE-II Industrial Instrumentation	(Elective –IV) Under Water Construction	(Elective –IV) Advanced concrete Technology.	Civil Engineering Materials and Recent Advances
				Waste Management System	Principles Of Computer Communications And Networks	Urban/Regional Transportation Analysis and Planning Methods		
				Building services.	Energy From Waste			
					Distributed Generation And Microgrid			
					Reliability Engineering			
					Engineering Research Methodology			
					Machine Learning			

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NOTE:

- (I). ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY
- (II). EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES.THE EXAMINATIONS SHALL BE CONDUCTED AS US

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CAD/CAM-04	ELECTIVE-III Special Manufacturing Process	Flexible Manufacturing Systems	Industrial Robotics	Design for Manufacturing And Assembly	(OE2) Engineering Research and Methodology	(ELECTIVE-IV) Advanced Mechatronics	(OE2) Quality Engineering in Manufacturing	(ELECTIVE-III) Intelligent Manufacturing Systems
	Design Optimization					Design and Manufacturing of MEMS and Micro Systems		
						Fuzzy Logic and Neural Networks		
COMPUTR SCIENCE-05	Network Programming	Elective-IV Software Process and Project Management	Internet Technologies and Services	(ELECTIVE-III)	(OE2) 1R-Programming 2 Android Application Development 3 Algorithmics 4 Big Data Analytics 5 Bioinformatics 6 Biometrics. 7 Computer Forensics 8 E – Commerce 9 Information Security And Audit 10 Intellectual Property Rights 11 Java Programming 12 Linux Programming 13 Mobile Computing 14 Mobile Application Security 15 Open Stack Cloud Computing 16 Operations Research 17 Principles Of Information Security 18 Scripting Languages 19 Social Media Intelligence 20 Software Engineering 21 Storage Area Networks 22 Web Usability	(ELECTIVE-IV) Big Data Analytics	(ELECTIVE-III) Cyber Security	Information Retrieval Systems
				Storage Area Networks		Soft Computing	Data Mining	
				Semantic Web and Social Networks		Distributed Computing		

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DIGITAL SYSTEM & COMPUTER ELECTRONICS -06	Advanced Computer Architecture	Digital Signal Processors and Architectures	Real Time Operating Systems	Elective -IV)	(OE2)	(Elective-III) Network Security and Cryptography	(Elective-III) System on Chip Architecture CPLD and FPGA Architectures and Applications	(Elective-IV) Design for Testability	
				Low Power VLSI Design	Software Defined Radio				
				Device Modeling	Adhoc Wireless Networks				
					Scripting Languages				
ELECTRICAL POWER SYSTEMS – 07	Power System Dynamics		Power System Operation and Deregulation	(Elective -III) Gas Insulated Systems(GIS)	(OE2) Instrumentation & Control	Elective -IV) Reactive Power Compensation and Management		Flexible AC Transmission Systems (FACTS)	
				Programmable Logic Controllers and their applications	Intelligent Control				
				High frequency magnetic components	Smart grid technologies AI Techniques in Electrical Engineering				Power System Reliability
					Reliability Engineering				Voltage Stability
				Energy Auditing, Conservation & Management					
Environmental Engineering-11	Air Pollution and Control	Industrial Waste Water Treatment	Environmental Impact Assessment	(Elective -III) Ground Water Contamination and Remediation	(OE2) Agricultural Pollution and Control	Elective -IV) Environmental Geo-technology			
					Environmental Health and Safety				
				Disaster Management	Remote Sensing and GIS				Environmental Biotechnology
				Water Quality Modeling					Hazardous Waste management

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Machine Design-15	Experimental Stress Analysis	OE2 Advance Optimization Techniques & Applications	(E3) Industrial Robotics	(Elective –III)	Mechanical Behavior of Engineering Materials	(Elective –IV) Vehicle Dynamics	Advanced Finite Element Analysis	(Elective –III) Advanced Engineering Design		
		Computational Fluid Dynamics		Fuzzy logic & Neural Networks		Design and Analysis of Experiments				
						Structural Health Monitoring				
Production Engineering -16	Advanced Manufacturing Processes	(Elective –IV) Performance Modeling & Analysis Of Manufacturing System	Advanced Tool Design	(Elective –III) Optimization Techniques & Applications	(OE2) Advanced Mechatronics Rapid Prototyping Technology	(Elective –III) Vibration Analysis & Condition Monitoring	(Elective –IV) Experimental Techniques & Data Analysis Advanced Finite Element Analysis	(Core) Computer Aided Process Planning		
				Material Technology						
Structural Engineering -20	Pre-stressed Concrete	Structural Dynamics	(OE2) Repair & Rehabilitation of Buildings	(Elective –III) Advanced Steel Design	(OE2) Composite Materials Optimization Techniques	(Elective –IV) Design of shells & folded plates Earthquake Resistant Design of Buildings Fracture Mechanics	Elective-III Stability of Structures	Finite Element Method		
				Soil Dynamic & Foundation Engineering						

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Thermal Engineering- 21	Combustion & Environment	Computational Fluid Dynamics	(OE2) Energy Management	(Elective –III) Alternate Fuels		(Elective –IV) Convective Heat Transfer	(OE2) Advanced Finite Element Analysis	Advanced Heat and Mass Transfer
				Cryogenic Engineering (pre req : R&AC)		Equipment Design For Thermal Systems		
				Jet Propulsion & Rocket Engineering (pre req: Turbo Machines)		Computer Simulation of SI & CI Engine		
Transportation Engineering -22	Traffic Analysis	Land Use Transportation Modeling	(Elective –III) Highway Project Formulation & Economics	Pavement Analysis and Design	(OE2)	(Elective –IV) Pavement Construction Maintenance and Management	(Elective –III) Environmental Impact assessment for Transportation Projects	Finite Element Method
			Airport Engineering		Optimization Techniques	Intelligent transportation systems		
					Disaster Management	Rural Roads		

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Software Engineering-25	Software Architecture and Design Patterns	Software Process and Project Management	Software Quality Assurance and Testing	(Elective –III) Semantic Web and Social Networks	(OE2) 1R-Programming 2 Android Application Development 3 Algorithmics 4 Big Data Analytics 5 Bioinformatics 6 Biometrics. 7 Computer Forensics 8 E – Commerce 9 Information Security And Audit 10 Intellectual Property Rights 11 Java Programming 12 Linux Programming 13 Mobile Computing 14 Mobile Application Security 15 Open Stack Cloud Computing 16 Operations Research 17 Principles Of Information Security 18 Scripting Languages 19 Social Media Intelligence 20 Software Engineering 21 Storage Area Networks 22 Web Usability 23 Database Internals 24 Embedded systems	(Elective –IV) Software Security Engineering Information Security And Audit Business Process Management	(Elective –IV) Cyber Security	(Elective –III) Scripting Languages Information Retrieval Systems E - Commerce

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Microwave & Radar engineering -30	Microwave Networks	Radar Signal Processing	Microwave Solid State Devices	(Elective –III) RF Circuit Design	(OE2) Bio Medical Signal Processing	(Elective –IV) Smart Antennas Detection and Estimation Theory Wireless Communication and Networks		
				Phased Array Systems	Software Defined Radio			
				Optical Communication Technology	Adhoc Wireless Networks			
Advanced Manufacturing Systems -33	Production & Operations Management	Performance Modeling & Analysis of Manufacturing Systems	(Elective –III) Industrial Robotics	Materials Technology	(OE2) Design and Manufacturing of MEMS & Micro Systems	(Elective –IV) Total Quality Management Vibrational Analysis & Conditioning Monitoring Concurrent Engineering & Product life cycle Management	(Elective –III) Quality Engineering in Manufacturing	
			Advanced Tool Design		Engineering Research & Methodology			
Digital Electronics and communication systems/engg-38		Digital Signal Processors and Architectures	(Elective –IV) Wireless MIMO Communications	(Elective –III) Speech Signal Processing	(OE2) Image and Video Processing	Wireless Communications and Networks	(Elective –IV) Network Security And Cryptography	Coding Theory and Techniques
			Optical Communications Technology	Biomedical Signal Processing	Software Defined Radio			
				Radar Signal processing	Adhoc Wireless Networks			

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Information Technology-40	Machine Learning	Android Application Development	(Elective –IV) Software Quality Assurance and Testing	(Elective –III) Information Security And Audit	(OE2) 1 R-Programming 2 Android Application Development 3 Algorithmics 4 Big Data Analytics 5 Bioinformatics 6 Biometrics. 7 Computer Forensics 8 E – Commerce 9 Information Security And Audit 10 Intellectual Property Rights 11 Java Programming 12 Linux Programming 13 Mobile Computing 14 Mobile Application Security 15 Open Stack Cloud Computing 16 Operations Research 17 Principles Of Information Security 18 Scripting Languages 19 Social Media Intelligence 20 Software Engineering 21 Storage Area Networks 22 Web Usability	(Elective –IV) Computer Forensics	Cloud Computing	(Elective –IV) E-Commerce
				Internet Technologies and Services		Cyber Security		
				Semantic Web and Social Networks				
				Embedded Systems				

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Power and Industrial Drives -42	Power Electronic Converters	Power Electronic Control of DC Drives	Power Electronic Control of AC Drives		(OE2)	(Elective –IV) High-Frequency Magnetic Components	(Elective –III) Power Quality	(Elective –IV) Flexible AC Transmission Systems
					Instrumentation & Control			
					Intelligent Control			
					Smart grid technologies			
					AI Techniques in Electrical Engineering			
					Reliability Engineering			
Energy Auditing, Conservation & Management								
Power Electronics -43	Power Electronic Converters	Power Electronic Control of DC Drives	Power Electronic Control of AC Drives		(OE2)	(Elective –IV) High-Frequency Magnetic Components	(Elective –III) Power Quality	(Elective –IV) Flexible AC Transmission Systems
					Instrumentation & Control			
					Intelligent Control			
					Smart grid technologies			
					AI Techniques in Electrical Engineering			
					Reliability Engineering			
Energy Auditing, Conservation & Management								

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Systems and Signal processing -45/93	Adaptive Signal Processing	Digital Signal Processors and Architectures	(Elective –III) Real-time Operating Systems	(Elective –III) Ad-hoc Wireless Networks	(Elective –IV) Image and Video Processing Spread Spectrum Communication	Speech Signal Processing	(OE2) Advanced Communications & Networks	(Elective –IV) Coding Theory and Techniques	
				CPLD and FPGA Architectures and Applications					
				Digital Control Systems					
				System on Chip Architecture					
Electrical Power Engineering -49	Power System Dynamics		Power System Operation and Deregulation	(Elective –III) Gas Insulated Systems(GIS)	(OE2) Instrumentation & Control	(Elective –IV) Reactive Power Compensation and Management		Flexible AC Transmission Systems (FACTS)	
				Programmable Logic Controllers and their applications	Intelligent Control				
				High frequency magnetic components	Smart grid technologies	Power System Reliability			
					AI Techniques in Electrical Engineering	Voltage Stability			
									Reliability Engineering
									Energy Auditing, Conservation & Management
Design for manufacturing-52	Design of Hydraulic & Pneumatic Systems	(Elective –IV) Advanced Optimization Techniques & Applications	Advanced Tool Design	(Elective –III) Intelligent Manufacturing Systems	(OE2) Concurrent Engineering & Product Life Cycle Management	(Elective –IV)	(OE2) Experimental Techniques & Data Analysis	Precision Engineering	
				Product Data Management		Smart Materials & Structures			
				Neural Network & Fuzzy Logic		Vibration Analysis & Condition Monitoring			

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Power Electronics and Electric Drives - 54	Power Electronic Converters	Power Electronic Control of DC Drives	Power Electronic Control of AC Drives		(OE2) Instrumentation & Control	(Elective –IV) High Frequency Magnetic Components	(Elective –III) Power Quality	(Elective –IV) Flexible AC Transmission Systems	
					Intelligent Control	Dynamics of Electrical Machines	Advanced Digital Signal Processing		
					Smart grid technologies		Switched Mode Power Supplies (SMPS)		
					AI Techniques in Electrical Engineering				
					Reliability Engineering				
					Energy Auditing, Conservation & Management				
Embedded Systems -55	(Elective –IV) Multimedia and Signal Coding	Digital Signal Processors and Architectures	Sensors and Actuators	(Core) Embedded Networking	(OE2) Scripting languages	(Elective –III) Wireless Communication and Networks	(Elective –III) System On Chip Architecture	(OE2) Adhoc Wireless and Sensor Networks	
	Hardware Software Co-Design				Device Modeling		CPLD and FPGA Architectures and Applications		
	Network Security and Cryptography								
VLSI system Design/VLSI Design -57	Low Power VLSI Design	CMOS Mixed Signal Circuit Design	Design For Testability	(Elective –IV) Optimization Techniques in VLSI Design	(OE2) Adhoc Wireless Networks	(Elective –III) VLSI and DSP Architectures	(Elective –IV) System On Chip Architecture	(OE2) Coding Theory and Techniques	
				Semiconductor Memory Design and Testing	Scripting Languages				Full custom Design
									Hardware Description Language

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Computer Science Engineering - 58	Network Programming	Elective-IV Software Process and Project Management	Internet Technologies and Services	(Elective –III)	(OE2)	(Elective –IV)	(Elective –III)	Information Retrieval Systems
				Storage Area Networks	1 R-Programming 2 Android Application Development	Big Data Analytics Soft Computing	Cyber Security	
				Semantic Web and Social Networks	3 Algorithmics 4 Big Data Analytics 5 Bioinformatics 6 Biometrics. 7 Computer Forensics 8 E – Commerce 9 Information Security And Audit 10 Intellectual Property Rights 11 Java Programming 12 Linux Programming 13 Mobile Computing 14 Mobile Application Security 15 Open Stack Cloud Computing 16 Operations Research 17 Principles Of Information Security 18 Scripting Languages 19 Social Media Intelligence 20 Software Engineering 21 Storage Area Networks 22 Web Usability 23Internet of Things	Distributed Computing	Data Mining	

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Communication Systems -61		4G Technologies	Optical Communications Technology	(E3) Wireless LANs and PANs	(OE2) Scripting Languages	(E4) Network Security and Cryptography		Coding Theory and Techniques
				Wireless MIMO Communications	Image and Video Processing	Advanced Communications and Networks		
				Ad-hoc Wireless Networks	GPS and Applications	Multimedia and Signal Coding		

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Web Technologies -62	Android Application Development		Semantic Web and Social Networks	(Elective –III) Human Computer Interaction	(O E2) 1 R-Programming 2 Android Application Development 3 Algorithmics 4 Big Data Analytics 5 Bioinformatics 6 Biometrics. 7 Computer Forensics 8 E – Commerce 9 Information Security And Audit 10 Intellectual Property Rights 11 Java Programming 12 Linux Programming 13 Mobile Computing 14 Mobile Application Security 15 Open Stack Cloud Computing 16 Operations Research 17 Principles Of Information Security 18 Scripting Languages 19 Social Media Intelligence 20 Software Engineering 21 Storage Area Networks 22 Web Usability	(Elective –IV) Big Data Analytics	(Elective –IV)	Web Services and Service Oriented Architecture
				Cyber Security		Distributed Systems	Cloud Computing	
				Software Architecture and Design Patterns		Distributed Computing		
				Computer Forensics				

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KUKATPALLY-HYDERABAD-500085

EXAMINATION BRANCH

M.TECH-II SEMESTER -R15 REGULATION- SUPPLEMENTARY EXAMINATIONS DECEMBER-2018

T I M E T A B L E

TIME : 10:00 AM TO 1:00 PM

COURSE	18-12-2018 TUESDAY	20-12-2018 THURSDAY	22-12-2018 SATURDAY	27-12-2018 THURSDAY	29-12-2018 SATURDAY	01-01-2019 TUESDAY	03-01-2019 THURSDAY	05-01-2019 SATURDAY
Power Engineering and Energy Systems -64	Power System Dynamics		Power System Operation and Deregulation	(Elective –III) Gas Insulated Systems(GIS)	(OE2) Instrumentation & Control	(Elective –IV) Reactive Power Compensation and Management		Flexible AC Transmission Systems (FACTS)
				Programmable Logic Controllers and their applications	Intelligent Control			
					Smart grid technologies			
				High frequency magnetic components	AI Techniques in Electrical Engineering			
					Reliability Engineering			
					Energy Auditing, Conservation & Management			
Wireless and Mobile Communication -65	Advanced communications & Networks	(Elective –IV) Software Defined Radio	(Core) Wireless MIMO Communications	(Elective –III) Optical Communications Technology	(OE2) Scripting Languages	Wireless Communications & Networks	(Elective –IV) Network Security and Cryptography	(Elective –III)
		4G Technologies		Wireless LANs and PANs	Embedded system Design			Adhoc and Wireless Sensor Networks
					Mobile Computing Technologies			

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VLSI and Embedded Systems -68	Low Power VLSI Design	(Elective –III)	Real Time Operating Systems	CMOS Mixed Signal Circuit Design	(OE2) Adhoc Wireless Networks	(Elective –IV)	(Elective –III) System On Chip Architecture	(Elective – IV) Design for Testability
		Embedded Networking						
		Digital Signal Processors and Architectures						
		Semiconductor Memory Design and Testing						
					Sensors and Actuators			
					Image and Video Processing	Full Custom Design		
Electronics and Communication Engineering-70		Digital Signal Processors and Architectures	(Elective –IV) Wireless MIMO Communications	(Elective –III) Speech Signal Processing	(OE2) Image and Video Processing	Wireless Communications and Networks	(Elective –IV) Network Security And Cryptography	Coding Theory and Techniques
			Optical Communications Technology	Biomedical Signal Processing	Software Defined Radio			
				Radar Signal Processing	Adhoc Wireless Networks			

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Control Systems -75	Optimal Control Theory	Adaptive and Learning Control	Instrumentation and Control	(Elective –IV) Advanced Digital Signal Processing	(OE2) Instrumentation & Control	(Elective –III) Intelligent Control Robust Control	(Elective –IV) Real Time Systems Robotics and Control	(Elective –III) Non-linear Systems
					Intelligent Control			
					Smart Grid Technologies			
					AI Techniques in Electrical Engineering			
					Reliability Engineering			
					Energy Auditing Conservation & Management			
Aerospace Engineering -76	Flight Dynamics and Control	Aerospace Propulsion	Space Transportation Systems	(Elective –III) Mechanics of Composite Structures	(OE2) Industrial Aerodynamics and Wind Energy Ground Vehicle Aerodynamics	(Elective –IV) Aero elasticity of Launch Vehicles Air Traffic Control Tactical Missiles Design Navigation Guidance and Control Viscous Fluid Flow		
				Flight Vehicle Design				
				Hypersonic Aerothermodynamics				
				Airline Planning, Scheduling and Operations				
				Unmanned Aircraft Systems				
Embedded Systems & VLSI Design- 77	Low Power VLSI Design	(Elective –III) Digital Signal Processors and Architectures	Real Time Operating Systems	CMOS Mixed Signal Circuit Design	(OE2) Image and Video Processing	(Elective –IV) Semiconductor Memory Design and Testing Full Custom Design	(Elective –III) System On Chip Architecture	(Elective –IV) Design for Testability
		Embedded Networking						
		Adhoc Wireless Networks						
					Sensors and Actuators			

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Computer Networks and Information Security -78	Network Security	Wireless Networks		ELECTIVE-III Digital Water Marking and Steganography Security Threats Network Management and Performance Evaluation Internet Technologies and Services	(OE2) 1 R-Programming 2 Android Application Development 3 Algorithmics 4 Big Data Analytics 5 Bioinformatics 6 Biometrics. 7 Computer Forensics 8 E – Commerce 9 Information Security And Audit 10 Intellectual Property Rights 11 Java Programming 12 Linux Programming 13 Mobile Computing 14 Mobile Application Security 15 Open Stack Cloud Computing 16 Operations Research 17 Principles Of Information Security 18 Scripting Languages 19 Social Media Intelligence 20 Software Engineering 21 Storage Area Networks 22 Web Usability 23 Cyber Security	(Elective –IV) Storage Area Networks Distributed Systems Security Information Systems control and Audit	(Elective – IV) Cyber Security	Network Security Standards and Applications

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Mechatronics - 80	Micro Controller & Applications		Industrial Robotics	(Elective –III) Design for Manufacture & Assembly	(OE2) Simulation, Modeling of Manufacturing Systems	Fuzzy Logic & Neural Networks	(Elective –III) MEMS	(Elective –IV) Intelligent Manufacturing Systems
				Adaptive Manufacturing Processes	Autotronics & Vehicle Intelligence			Computer Aided Metrology & Machine Vision
					Experimental Techniques & Data Analysis			Nano Composites- Design & Synthesis
Computer Networks -82	Network Security	Wireless Networks		(Elective –III) Internet Technologies and Services	(OE2) 1 R-Programming 2 Android Application Development	(Elective –IV) Storage Area Networks	(Elective –IV) Cyber Security	Network Security Standards and Applications
				Digital Water Marking and Steganography	3 Algorithmics 4 Big Data Analytics 5 Bioinformatics			Distributed Systems Security
				Security Threats	6 Biometrics. 7 Computer Forensics 8 E – Commerce			Information Systems Control And Audit
				Network Management and Performance Evaluation	9 Information Security And Audit 10 Intellectual Property Rights 11 Java Programming 12 Linux Programming 13 Mobile Computing 14 Mobile Application Security 15 Open Stack Cloud Computing 16 Operations Research 17 Principles Of Information Security 18 Scripting Languages 19 Social Media Intelligence 20 Software Engineering 21 Storage Area Networks 22 Web Usability			

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Highway Engineering -87	Traffic Analysis	(Elective –III) Land use and Transportation Modeling	(Elective –III) Environmental Impact Assessment for Transportation Projects	Pavement Analysis and Design	(OE2) Optimization Techniques	(Elective –IV) Intelligent transportation systems	Pavement Construction, Maintenance & Management	(Elective –III) Highway Project Formulation and Economics
					Disaster Management			
					Finite Element Method			
					Rural Roads			
						Airport Engineering		
Electronics and Instrumentation -88	Industrial Automation	Industrial Data Communications		(Elective –III) Advanced Instrumentation Systems	(OE2) Sensors and Actuators	(Elective –IV) MEMS and Applications	Advanced Process Control Instrumentation	(OE2) Instrumentation Practices in Industries
				Quality and Reliability Engineering	Multimedia and Signal Coding			
				CPLD and FPGA Architectures and Applications				
						Robotic Design and Control		
						Advanced Image Processing		
Heating Ventilation & Air Conditioning -91	Air Conditioning	Ventilation systems	Heating systems	(Elective –III) Environmental friendly refrigerants	(OE2) Advanced optimization techniques	Green building concepts		
				Ducting & A/C Supply systems				
				A/C instrumentation & control systems				
						Advanced materials for Thermal Systems		
						Unconventional Refrigeration & Air-Conditioning systems		
						Maintenance of A/C equipment		

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Engineering Design -95	Experimental Stress Analysis	(OE2) Advanced Optimization Techniques & Applications	(Elective –III) Industrial Robotics	(Elective –III)	Mechanical Behavior of Engineering Materials	(Elective –IV) Vehicle Dynamics	Advanced Finite Element Analysis	(Elective –III) Advanced Engineering Design
		Computational Fluid Dynamics		Fuzzy logic & Neural Networks		Design and Analysis of Experiments		
				Structural Health monitoring				
Construction Management -A1	Construction Methods and Equipment	Construction and Contract Management		(Elective –III) Construction Economics and Finance	(OE2) Critical Chain Management	(Elective –IV) Under Water Construction	(Elective –IV) Advanced concrete Technology.	Civil Engineering Materials and Recent Advances
					Strategic Management in Construction	Urban/Regional Transportation Analysis and Planning Methods		
				Waste Management System	Disaster Management			
				Building services.				

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NOTE:

- (I). ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY
- (II). EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES.THE EXAMINATIONS SHALL BE CONDUCTED AS US

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BIOTECHNOLOGY-03	BIOREACTOR ENGINEERING	GENETIC ENGINEERING	DOWNSTREAM PROCESSING	ELECTIVE III/IV/V ENVIRONMENTAL BIOTECHNOLOGY	ELECTIVE III/IV/V PLANT BIOTECHNOLOGY	ELECTIVE III/IV/V ANIMAL CELL SCIENCE AND TECHNOLOGY	ELECTIVE III/IV/V NANO BIOTECHNOLOGY AND NANO DEVICES BIOINFORMATICS ADVANCED IMMUNOLOGY AND IMMUNOTECHNOLOGY	
CAD/CAM-04	DESIGN OF HYDRAULICS AND PNEUMATICS SYSTEMS	FLEXIBLE MANUFACTURING SYSTEMS	INDUSTRIAL ROBOTICS	COMPUTER AIDED MANUFACTURING	ELECTIVE III COMPUTATIONAL FLUID DYNAMICS AUTOMATION IN MANUFACTURING PRODUCTION AND OPERATIONS MANAGEMENT	ELECTIVE IV INTELLIGENT MANUFACTURING SYSTEMS DESIGN OPTIMIZATION		ELECTIVE IV COMPUTER AIDED PROCESS PLANNING
COMPUTER SCIENCE-05	ADVANCED NETWORK PROGRAMMING	WEB SERVICES AND SERVICE ORIENTED ARCHITECTURE	WIRELESS NETWORKS AND MOBILE COMPUTING	ELECTIVE IV SEMANTIC WEB AND SOCIAL NETWORKS	ELECTIVE III ADVANCED DATA MINING STORAGE AREA NETWORKS DATABASE SECURITY	ELECTIVE IV CLOUD COMPUTING	ADVANCED DATABASES	ELECTIVE IV INFORMATION RETRIEVAL SYSTEMS
DIGITAL SYSTEM & COMPUTER ELECTRONICS-06	ADVANCED COMPUTER ARCHITECTURE		EMBEDDED REAL TIME OPERATING SYSTEMS		ELECTIVE III CPLD AND FPGA ARCHITECTURES AND APPLICATIONS SYSTEM ON CHIP ARCHITECTURE NETWORK SECURITY AND CRYPTOGRAPHY	ELECTIVE IV DIGITAL SIGNAL PROCESSORS AND ARCHITECTURES TCP/IP AND ATM NETWORKS CMOS MIXED SIGNAL CIRCUIT DESIGN	LOW POWER VLSI DESIGN	DESIGN FOR TESTABILITY
ELECTRICAL POWER SYSTEM-07	POWER SYSTEM DYNAMICS		POWER SYSTEM OPERATION AND DEREGULATION	ELECTIVE III GAS INSULATED SYSTEMS(GIS) ELECTRIC SMART GRID ENERGY AUDITING CONSERVATION AND MANAGEMENT	AI TECHNIQUES IN ELECTRICAL POWER ENGINEERING	ELECTIVE IV VOLTAGE STABILITY REACTIVE POWER COMPENSATION AND MANAGEMENT POWER SYSTEM RELIABILITY		FLEXIBLE AC TRANSMISSION SYSTEMS (FACTS)
ENERGY SYSTEMS-10	PHOTOVOLTAIC & SOLAR THERMAL SYSTEMS	DESIGN AND OPTIMISATION OF ENERGY SYSTEMS	THERMAL ENERGY MANAGEMENT AND CONSERVATION	ELECTRICAL ENERGY MANAGEMENT AND CONSERVATION	ELECTIVE III SOLAR REFRIGERATION AND AIR CONDITIONING ADVANCED CONTROL SYSTEMS HYDEL POWER ENGINEERING STEAM AND GAS TURBINES	ELECTIVE IV COMPUTATIONAL FLUID DYNAMICS BIO-CONVERSION & PROCESSING OF WASTE COGENERATION GREEN BUILDINGS CONCEPTS		
ENVIRONMENTAL ENGINEERING-11	AIR POLLUTION AND CONTROL	INDUSTRIAL WASTE WATER TREATMENT	SOLID WASTE MANAGEMENT	ENVIRONMENTAL IMPACT ASSESMENT	ELECTIVE III WATER QUALITY MODELING DISASTER MANAGEMENT GROUND WATER CONTAMINATION AND REMEDIATION	ELECTIVE IV ENVIRONMENTAL BIOTECHNOLOGY ENVIRONMENTAL GEOTECHNOLOGY REMOTE SENSING AND GIS		

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GEOTECHNICAL ENGINEERING-12	GEOSYNTHETICS & SOIL REINFORCEMENT	EARTH & ROCK FILL DAMS AND SLOPE STABILITY	RETAINING STRUCTURES	SOIL - STRUCTURE INTERACTION	ELECTIVE III ROCK MECHANICS AND ENGINEERING THEORETICAL SOIL MECHANICS GEOTECHNICAL EARTHQUAKE ENGINEERING	ELECTIVE IV ENVIRONMENTAL IMPACT ASSESSMENT AND MANAGEMENT GEOGRAPHICAL INFORMATION SYSTEMS PAVEMENT ANALYSIS AND DESIGN		
INDUSTRIAL ENGINEERING AND MANAGEMENT-13	SIMULATION MODELING & ANALYSIS OF MANUFACTURING SYSTEMS	SUPPLY CHAIN MANAGEMENT	PRODUCTION AND OPERATIONS MANAGEMENT	RELIABILITY ENGINEERING AND MAINTENANCE MANAGEMENT	ELECTIVE III ENTERPRISE RESOURCE PLANNING TOTAL QUALITY MANAGEMENT	ELECTIVE IV MARKETING MANAGEMENT ENERGY MANAGEMENT		
MACHINE DESIGN-15	EXPERIMENTAL STRESS ANALYSIS	ADVANCED OPTIMIZATION TECHNIQUES AND APPLICATIONS	ELECTIVE III INDUSTRIAL ROBOTICS	ADVANCED MECHANICS OF MACHINERY	ELECTIVE III NON LINEAR VIBRATIONS DESIGN SYNTHESIS PRESSURE VESSEL DESIGN	ELECTIVE IV SIGNAL ANALYSIS AND CONDITION MONITORING THEORY OF PLATES AND SHELLS MECHATRONICS	ELECTIVE IV COMPUTATIONAL FLUID DYNAMICS	MECHANICAL VIBRATIONS
PRODUCTION ENGINEERING-16	PRECISION ENGINEERING	RAPID PROTOTYPING TECHNOLOGIES	ELECTIVE IV INDUSTRIAL ROBOTICS	AUTOMATION IN MANUFACTURING	ELECTIVE III FINITE ELEMENT TECHNIQUES DESIGN AND MANUFACTURE OF MEMS & MICRO SYSTEMS INTELLIGENT MANUFACTURING SYSTEMS	ELECTIVE IV DESIGN FOR MANUFACTURE & ASSEMBLY MECHATRONICS	OPTIMIZATION TECHNIQUES AND APPLICATIONS	
STRUCTURAL ENGINEERING-20	ELECTIVE III PRE STRESSED CONCRETE	STRUCTURAL DYNAMICS	ANALYSIS AND DESIGN OF SHELLS AND FOLDED PLATES	ADVANCED STEEL DESIGN	ELECTIVE III ADVANCED FOUNDATION ENGINEERING COMPUTER AIDED DESIGN IN STRUCTURAL ENGINEERING (CAD)	ELECTIVE IV PLASTIC ANALYSIS AND DESIGN. EARTHQUAKE RESISTANT DESIGN OF BUILDINGS PRINCIPLES OF BRIDGE ENGINEERING	ELECTIVE IV STABILITY OF STRUCTURES	FINITE ELEMENT METHODS
THERMAL ENGINEERING-21	FUELS COMBUSTION & ENVIRONMENT	ENERGY MANAGEMENT	COMPUTATIONAL FLUID DYNAMICS		ELECTIVE III CONVECTIVE HEAT TRANSFER EQUIPMENT DESIGN FOR THERMAL SYSTEMS THERMAL & NUCLEAR POWER PLANTS	ELECTIVE IV THERMAL MEASUREMENTS AND PROCESS CONTROLS JET PROPULSION & ROCKETRY REFRIGERATION & AIR-CONDITIONING	ADVANCED FINITE ELEMENT ANALYSIS	
TRANSPORTATION ENGINEERING-22	TRAFFIC ANALYSIS	LAND USE TRANSPORTATION MODELING	HIGHWAY PROJECT FORMULATION & ECONOMICS	PAVEMENT ANALYSIS AND DESIGN	ELECTIVE III/IV INTELLIGENT TRANSPORTATION SYSTEMS OPTIMIZATION TECHNIQUES	ELECTIVE III/IV RURAL ROAD	ELECTIVE III/IV PAVEMENT CONSTRUCTION MAINTENANCE AND MANAGEMENT	ELECTIVE III/IV GIS APPLICATIONS IN TRANSPORTATION ENGINEERING ENVIRONMENTAL IMPACT ASSESSMENT FOR TRANSPORTATION PROJECTS

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SOFTWARE ENGINEERING-25	SOFTWARE ARCHITECTURE AND DESIGN PATTERNS	SOFTWARE PROCESS AND PROJECT MANAGEMENT	SOFTWARE QUALITY ASSURANCE AND TESTING	COMPONENT BASED SOFTWARE ENGINEERING	ELECTIVE III	ELECTIVE IV BUSINESS PROCESS MANAGEMENT	ELECTIVE IV CLOUD COMPUTING	ELECTIVE III
					SEMANTIC WEB AND SOCIAL NETWORKS			
					SCRIPTING LANGUAGES			
MICRO WAVE AND RADAR ENGINEERING-30	MICROWAVE NETWORKS	RADAR SIGNAL PROCESSING	MICROWAVE SOLID STATE DEVICES	PHASED ARRAY SYSTEMS	ELECTIVE III	ELECTIVE IV SMART ANTENNAS DETECTION AND ESTIMATION THEORY	ADVANCED DATABASES	ELECTIVE IV WIRELESS COMMUNICATIONS AND NETWORKS
					SOFTWARE RADIO			
					RF CIRCUIT DESIGN			
ADVANCED MANUFACTURING SYSTEMS-33	SIMULATION MODELING OF MANUFACTURING SYSTEMS	QUALITY ENGINEERING IN MANUFACTURING	PRODUCTION AND OPERATIONS MANAGEMENT	MATERIALS TECHNOLOGY	ELECTIVE III	ELECTIVE IV COMPUTATIONAL FLUID DYNAMICS	ELECTIVE III	ELECTIVE IV
					DESIGN AND MANUFACTURING OF MEMS AND MICRO SYSTEMS			
					INDUSTRIAL ROBOTICS			
COMPUTER AND COMMUNICATION ENGINEERING-36	WIRELESS COMMUNICATIONS AND NETWORKS	CODING THEORY AND TECHNIQUES	NETWORK SECURITY AND CRYPTOGRAPHY	ADVANCED COMPUTER NETWORKS	ELECTIVE III	ELECTIVE IV TELECOMMUNICATION SWITCHING SYSTEMS AND NETWORKS	ADVANCED TOOL DESIGN	INTELLIGENT MANUFACTURING SYSTEMS
					MOBILE COMPUTING TECHNOLOGIES			
					ADVANCED COMPUTER ARCHITECTURE			
CONTROL ENGINEERING-37	OPTIMAL CONTROL THEORY	ADAPTIVE CONTROL THEORY	NEURAL NETWORKS & FUZZY SYSTEMS	CONTROL SYSTEM DESIGN	ELECTIVE III	ELECTIVE IV INTELLIGENT AND KNOWLEDGE BASED SYSTEMS REAL TIME SYSTEMS	PERFORMANCE MODELING AND ANALYSIS OF MANUFACTURING SYSTEMS	CODING THEORY AND TECHNIQUES
					NON-LINEAR SYSTEMS			
					PROCESS DYNAMICS AND CONTROL			
DIGITAL ELECTRONICS AND COMMUNICATION SYSTEMS/ENGG-38	WIRELESS COMMUNICATIONS AND NETWORKS	ELECTIVE III	OPTICAL COMMUNICATIONS TECHNOLOGY	IMAGE AND VIDEO PROCESSING	ELECTIVE IV	DIGITAL SIGNAL PROCESSORS AND ARCHITECTURES	NETWORK SECURITY AND CRYPTOGRAPHY	CODING THEORY AND TECHNIQUES
		SPEECH PROCESSING						
		OPTICAL NETWORKS						
INFORMATION TECHNOLOGY-40		WEB SERVICES AND SERVICE ORIENTED ARCHITECTURE	ELECTIVE III	MOBILE APPLICATION DEVELOPMENT	ELECTIVE IV	SOFTWARE TESTING & QUALITY ASSURANCE	CLOUD COMPUTING	
			EMBEDDED SYSTEMS					
			SEMANTIC WEB AND SOCIAL NETWORKS					
			MACHINE LEARNING		INFORMATION SECURITY AND AUDIT	BIO-INFORMATICS		
						MOBILE COMMERCE		

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POWER AND INDUSTRIAL DRIVES-42	POWER ELECTRONIC CONVERTERS-II		POWER ELECTRONIC CONTROL OF AC DRIVES	NEURAL NETWORKS AND FUZZY SYSTEMS	ELECTIVE III POWER QUALITY DIGITAL CONTROL SYSTEMS ADVANCED DIGITAL SIGNAL PROCESSING	ELECTIVE IV HIGH-FREQUENCY MAGNETIC COMPONENTS RENEWABLE ENERGY SYSTEMS DYNAMICS OF ELECTRICAL MACHINES		FLEXIBLE AC TRANSMISSION SYSTEMS (FACTS)
POWER ELECTRONICS-43	POWER ELECTRONIC CONVERTERS-II		POWER ELECTRONIC CONTROL OF AC DRIVES	NEURAL NETWORKS AND FUZZY SYSTEMS	ELECTIVE III DIGITAL CONTROL SYSTEMS	ELECTIVE IV DYNAMICS OF ELECTRICAL MACHINES HIGH-FREQUENCY MAGNETIC COMPONENTS RENEWABLE ENERGY SYSTEMS	ELECTIVE III ADVANCED DIGITAL SIGNAL PROCESSING POWER QUALITY	FLEXIBLE AC TRANSMISSION SYSTEMS (FACTS)
SYSTEMS & SIGNAL PROCESSING-45	ADAPTIVE SIGNAL PROCESSING		SPEECH PROCESSING	DIGITAL SIGNAL PROCESSORS AND ARCHITECTURES	ELECTIVE III EMBEDDED REAL-TIME OPERATING SYSTEMS AD-HOC AND WIRELESS SENSOR NETWORKS CPLD AND FPGA ARCHITECTURES AND APPLICATION	ELECTIVE IV DIGITAL CONTROL SYSTEMS SYSTEM ON CHIP ARCHITECTURE IMAGE AND VIDEO PROCESSING		CODING THEORY AND TECHNIQUES
GEO-INFORMATICS & SURVEYING TECHNOLOGY-47	DIGITAL PHOTOGRAMMETRY	GIS ANALYSIS AND APPLICATIONS	REMOTE SENSING APPLICATIONS	GNSS SURVEYING	GIS PROJECT PLANNING & MANAGEMENT	ELECTIVE II ADVANCED GEO SPATIAL TECHNOLOGY REMOTE SENSING AND GIS FOR URBAN PLANNING AND MANAGEMENT REMOTE SENSING AND GIS FOR ENVIRONMENTAL ENGINEERING DIGITAL IMAGE PROCESSING-II		
ELECTRICAL POWER ENGINEERING-49	POWER SYSTEM DYNAMICS		POWER SYSTEM OPERATION AND DEREGULATION	AI TECHNIQUES IN ELECTRICAL POWER ENGINEERING	ELECTIVE III ENERGY AUDITING CONSERVATION AND MANAGEMENT GAS INSULATED SYSTEMS(GIS) ELECTRIC SMART GRID	ELECTIVE IV VOLTAGE STABILITY POWER SYSTEM RELIABILITY REACTIVE POWER COMPENSATION AND MANAGEMENT		FLEXIBLE AC TRANSMISSION SYSTEMS (FACTS)
CHEMICAL ENGINEERING-51	SEPARATION PROCESSES	ADVANCED PROCESS CONTROL	PROCESS MODELING & SIMULATION	ENVIRONMENTAL ENGINEERING	ELECTIVE III BIOPROCESS ENGINEERING NANOTECHNOLOGY COLLOIDAL INTERFACIAL ENGINEERING	ELECTIVE IV DESIGN & ANALYSIS OF EXPERIMENTS INDUSTRIAL SAFETY FLUIDIZATION ENGINEERING		
DESIGN FOR MANUFACTURING-52	DESIGN OF HYDRAULICS AND PNEUMATICS SYSTEMS	SIMULATION MODELING & ANALYSIS OF MANUFACTURING SYSTEM	COMPUTER AIDED MANUFACTURING	DESIGN AND MANUFACTURING OF MEMS AND MICRO SYSTEMS	ELECTIVE III INDUSTRIAL ROBOTICS PRODUCTION AND OPERATIONS MANAGEMENT ADVANCED TOOL DESIGN	ELECTIVE IV AUTOMATION IN MANUFACTURING PERFORMANCE MODELING AND ANALYSIS OF MANUFACTURING SYSTEMS COMPUTATIONAL FLUID DYNAMICS		

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T I M E T A B L E

TIME : 10.00 AM TO 1:00 PM

COURSE	18-12-2018 TUESDAY	20-12-2018 THURSDAY	22-12-2018 SATURDAY	27-12-2018 THURSDAY	29-12-2018 SATURDAY	01-01-2019 TUESDAY	03-01-2019 THURSDAY	05-01-2019 SATURDAY
POWER SYSTEM CONTROL AND AUTOMATION-53	POWER SYSTEM DYNAMICS		POWER SYSTEM OPERATION AND DEREGULATION	AI TECHNIQUES IN ELECTRICAL POWER ENGINEERING	ELECTIVE III ELECTRIC SMART GRID ENERGY AUDITING CONSERVATION AND MANAGEMENT GAS INSULATED SYSTEMS(GIS)	ELECTIVE IV POWER SYSTEM RELIABILITY VOLTAGE STABILITY REACTIVE POWER COMPENSATION AND MANAGEMENT		FLEXIBLE AC TRANSMISSION SYSTEMS (FACTS)
POWER ELECTRONICS AND ELECTRIC DRIVES-54	POWER ELECTRONIC CONVERTERS-II		POWER ELECTRONIC CONTROL OF AC DRIVES	NEURAL NETWORKS AND FUZZY SYSTEMS	ELECTIVE III DIGITAL CONTROL SYSTEMS ADVANCED DIGITAL SIGNAL PROCESSING	ELECTIVE IV HIGH-FREQUENCY MAGNETIC COMPONENTS RENEWABLE ENERGY SYSTEMS DYNAMICS OF ELECTRICAL MACHINES	ELECTIVE III POWER QUALITY	FLEXIBLE AC TRANSMISSION SYSTEMS (FACTS)
EMBEDDED SYSTEMS-55	HARDWARE SOFTWARE CO-DESIGN	DIGITAL SIGNAL PROCESSORS AND ARCHITECTURES		EMBEDDED NETWORKING	ELECTIVE III SENSORS AND ACTUATORS NETWORK SECURITY AND CRYPTOGRAPHY	ELECTIVE IV SYSTEM ON CHIP ARCHITECTURE WIRELESS LANS AND PANS MULTIMEDIA AND SIGNAL CODING	CPLD AND FPGA ARCHITECTURES AND APPLICATIONS	ELECTIVE III WIRELESS COMMUNICATIONS AND NETWORKS
POWER SYSTEM (HIGH VOLTAGE)-56	HIGH VOLTAGE TESTING TECHNOLOGY	EHV AC TRANSMISSION	SURGE PHENOMENA AND INSULATION COORDINATION	ADVANCED POWER SYSTEM PROTECTION	ELECTIVE III POWER SYSTEM TRANSIENTS PROGRAMMABLE LOGIC CONTROLLERS AND THEIR APPLICATIONS PARTIAL DISCHARGE IN HIGH VOLTAGE EQUIPMENT	ELECTIVE IV HV TRANSFORMERS PULSE POWER ENGINEERING ADVANCED EM FIELDS		
VLSI SYSTEM DESIGN / VLSI DESIGN-57		CMOS MIXED SIGNAL CIRCUIT DESIGN	CAD FOR VLSI CIRCUITS	ELECTIVE III DIGITAL SIGNAL PROCESSORS AND ARCHITECTURES	ELECTIVE III SCRIPTING LANGUAGES VLSI SIGNAL PROCESSING	ELECTIVE IV OPTIMIZATION TECHNIQUES IN VLSI DESIGN SYSTEM ON CHIP ARCHITECTURE SEMICONDUCTOR MEMORY DESIGN AND TESTING	LOW POWER VLSI DESIGN	DESIGN FOR TESTABILITY
COMPUTER SCIENCE ENGINEERING-58	ADVANCED NETWORK PROGRAMMING	WEB SERVICES AND SERVICE ORIENTED ARCHITECTURE	ELECTIVE IV WIRELESS NETWORKS AND MOBILE COMPUTING	ELECTIVE IV SEMANTIC WEB AND SOCIAL NETWORKS	ELECTIVE III DATABASE SECURITY ADVANCED DATA MINING STORAGE AREA NETWORKS	GRID AND CLOUD COMPUTING	ADVANCED DATABASES	ELECTIVE IV INFORMATION RETRIEVAL SYSTEMS
COMMUNICATION SYSTEMS-61	WIRELESS LANS AND PANS	CODING THEORY AND TECHNIQUES	OPTICAL COMMUNICATIONS TECHNOLOGY	TCP/IP AND ATM NETWORKS	ELECTIVE III OPTICAL NETWORKS MOBILE COMPUTING TECHNOLOGIES AD-HOC AND WIRELESS SENSOR NETWORKS	ELECTIVE IV NETWORK SECURITY AND CRYPTOGRAPHY SOFTWARE RADIO PROPAGATION MODELS FOR WIRELESS COMMUNICATIONS		

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WEB TECHNOLOGIES-62	WEB SECURITY	WEB SERVICES AND SERVICE ORIENTED ARCHITECTURE	SEMANTIC WEB & SOCIAL NETWORKS	SCRIPTING LANGUAGES	ELECTIVE III MULTIMEDIA AND RICH INTERNET APPLICATIONS STORAGE AREA NETWORKS ADVANCED DATA MINING	ELECTIVE IV BUSINESS INTELLIGENCE & BIG DATA SOFTWARE ARCHITECTURE AND DESIGN PATTERNS INFORMATION RETRIEVAL SYSTEMS		
IMAGE PROCESSING-63	REMOTE SENSING & GIS	NEURAL NETWORKS	ROBOTICS AND MACHINE VISION	PARALLEL ALGORITHMS	ELECTIVE III BIOMETRICS DATA MINING RADAR IMAGING	ELECTIVE IV MULTIMEDIA DATABASES GENETIC ALGORITHMS STORAGE AREA NETWORKS		
POWER ENGINEERING AND ENERGY SYSTEMS-64	POWER SYSTEM DYNAMICS		POWER SYSTEM OPERATION AND DEREGULATION	AI TECHNIQUES IN ELECTRICAL POWER ENGINEERING	ELECTIVE III ENERGY AUDITING CONSERVATION AND MANAGEMENT GAS INSULATED SYSTEMS(GIS) ELECTRIC SMART GRID	ELECTIVE IV VOLTAGE STABILITY POWER SYSTEM RELIABILITY REACTIVE POWER COMPENSATION AND MANAGEMENT		FLEXIBLE AC TRANSMISSION SYSTEMS (FACTS)
WIRELESS AND MOBILE COMMUNICATION-65	WIRELESS COMMUNICATIONS & NETWORKS	CODING THEORY AND TECHNIQUES	OPTICAL COMMUNICATIONS TECHNOLOGY	TELECOMMUNICATION SWITCHING SYSTEMS AND NETWORKS WIRELESS LANS AND PANS	ELECTIVE III MOBILE COMPUTING TECHNOLOGIES OPTICAL NETWORKS AD-HOC AND WIRELESS SENSOR NETWORKS	ELECTIVE IV PROPAGATION MODELS FOR WIRELESS COMMUNICATIONS SOFTWARE RADIO	ELECTIVE IV NETWORK SECURITY AND CRYPTOGRAPHY	
NANO TECHNOLOGY-66	MATERIAL CHARACTERIZATION TECHNIQUES	CARBON NANOTUBES AND APPLICATIONS	NANO COMPOSITES – DESIGN AND SYNTHESIS	ELECTIVE-III MICRO/NANO FABRICATION	ELECTIVE I NANO ELECTRONICS AND NANO PHOTONICS ACTUATORS AND SENSORS MEMS/NEMS DESIGN AND APPLICATION	ELECTIVE II STRENGTHENING MECHANISMS WITH NANOMATERIALS NANOTECHNOLOGY FOR ENERGY SYSTEMS ENVIRONMENTAL NANO TECHNOLOGY		
VLSI AND EMBEDDED SYSTEMS-68	EMBEDDED C	CMOS MIXED SIGNAL CIRCUIT DESIGN	EMBEDDED REAL TIME OPERATING SYSTEMS	ELECTIVE III DIGITAL SIGNAL PROCESSORS AND ARCHITECTURES	ELECTIVE III SYSTEM ON CHIP ARCHITECTURE EMBEDDED NETWORKING	ELECTIVE IV SEMICONDUCTOR MEMORY DESIGN AND TESTING SENSORS AND ACTUATORS	ELECTIVE IV LOW POWER VLSI DESIGN	DESIGN FOR TESTABILITY
NEURAL NETWORKS -69	PATTERN RECOGNITION	GENETIC ALGORITHMS	DATA MINING	NATURAL LANGUAGE PROCESSING	ELECTIVE III WEB SERVICES JAVA & WEB TECHNOLOGIES SEMANTIC WEB AND SOCIAL NETWORKS	ELECTIVE IV DISTRIBUTED SYSTEMS INFORMATION RETRIEVAL SYSTEMS INFORMATION SECURITY		
ELECTRONICS AND COMMUNICATION ENGINEERING-70	WIRELESS COMMUNICATIONS AND NETWORKS	ELECTIVE III OPTICAL NETWORKS RADAR SIGNAL PROCESSING SPEECH PROCESSING	OPTICAL COMMUNICATIONS TECHNOLOGY		IMAGE AND VIDEO PROCESSING	ELECTIVE IV SATELLITE COMMUNICATIONS DIGITAL SIGNAL PROCESSORS AND ARCHITECTURES NETWORK SECURITY AND CRYPTOGRAPHY		CODING THEORY AND TECHNIQUES

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PARALLEL COMPUTING-74	DISTRIBUTED DATABASES	INFORMATION SECURITY	ADHOC AND SENSOR NETWORKS	GRID AND CLOUD COMPUTING	ELECTIVE III PATTERN RECOGNITION DATA MINING MACHINE LEARNING	ELECTIVE IV ADVANCED COMPUTER NETWORKS PERVASIVE COMPUTING STORAGE AREA NETWORKS		
CONTROL SYSTEMS-75	OPTIMAL CONTROL THEORY	ADAPTIVE CONTROL THEORY	CONTROL SYSTEM DESIGN	NEURAL NETWORKS & FUZZY SYSTEMS	ELECTIVE III DISTRIBUTED CONTROL SYSTEMS PROCESS DYNAMICS AND CONTROL	ELECTIVE IV REAL TIME SYSTEMS INTELLIGENT AND KNOWLEDGE BASED SYSTEMS	ELECTIVE IV ADVANCED DIGITAL SIGNAL PROCESSING	ELECTIVE III NON-LINEAR SYSTEMS
AEROSPACE ENGINEERING-76	AIRCRAFT CONTROL AND SIMULATION	SPACE TRANSPORTATION SYSTEMS	COMPUTATIONAL APPROACHES TO AEROSPACE VEHICLE DESIGN	AEROSPACE SENSORS AND MEASUREMENT SYSTEMS	ELECTIVE III SPACECRAFT DYNAMICS AND CONTROL MISSILE GUIDANCE AERO-THERMODYNAMICS OF HYPERSONIC FLIGHT ADVANCED TOPICS IN AIR TRAFFIC MANAGEMENT SYSTEMS DYNAMICS AND CONTROL OF STRUCTURES	ELECTIVE IV TACTICAL MISSILE DESIGN ROCKET AND SPACECRAFT PROPULSION OPTIMAL CONTROL HIGH ANGLE OF ATTACK AERODYNAMICS MECHANICS OF COMPOSITE MATERIALS		
EMBEDDED SYSTEMS & VLSI DESIGN-77	EMBEDDED C	CMOS MIXED SIGNAL CIRCUIT DESIGN	EMBEDDED REAL TIME OPERATING SYSTEMS	ELECTIVE III DIGITAL SIGNAL PROCESSORS AND ARCHITECTURES	ELECTIVE III EMBEDDED NETWORKING SYSTEM ON CHIP ARCHITECTURE	ELECTIVE IV SEMICONDUCTOR MEMORY DESIGN AND TESTING SENSORS AND ACTUATORS	ELECTIVE IV LOW POWER VLSI DESIGN	DESIGN FOR TESTABILITY
COMPUTER NETWORKS AND INFORMATION SECURITY-78	WIRELESS NETWORKS AND MOBILE COMPUTING	APPLICATIONS OF NETWORK SECURITY	INFORMATION SECURITY MANAGEMENT AND STANDARD	AD HOC AND SENSOR NETWORKS	ELECTIVE III WIRELESS SECURITY DATABASE SECURITY MOBILE APPLICATION DEVELOPMENT USING J2ME AND ANDROID	ELECTIVE IV SEMANTIC WEB AND SOCIAL NETWORKS NETWORK MANAGEMENT SYSTEMS	ELECTIVE-IV CLOUD COMPUTING	
MECHATRONICS-80	MICRO CONTROLLER & APPLICATIONS	FUZZY LOGIC & NEURAL NETWORKS		INDUSTRIAL ROBOTICS	ELECTIVE III SIMULATION MODELING OF MANUFACTURING SYSTEMS INTELLIGENT MANUFACTURING SYSTEMS DESIGN FOR MANUFACTURE & ASSEMBLY	ELECTIVE IV AUTOTRONICS & VEHICLE INTELLIGENCE COMPUTER AIDED METROLOGY & MACHINE VISION ENTREPRENEURSHIP	MEMS	
INFRASTRUCTURE ENGG-81	WASTE MANAGEMENT SYSTEMS	FINITE ELEMENT METHOD	RETAINING STRUCTURES	URBAN/REGIONAL TRANSPORTATION ANALYSIS AND PLANNING METHODS	ELECTIVE III/IV CONSTRUCTION MANAGEMENT II REHABILITATION AND RETROFITTING OF STRUCTURES PRINCIPLES OF BRIDGE ENGINEERING	ELECTIVE III/IV EARTHQUAKE RESISTANT DESIGN OF STRUCTURES GIS BASICS OF STRUCTURAL ENGINEERING	ELECTIVE III/IV ENGINEERING OF GROUND INTEGRATED WATER RESOURCES MANAGEMENT	ELECTIVE III/IV PROJECT PLANNING AND FINANCIAL MANAGEMENT

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COMPUTER NETWORKS-82	WIRELESS NETWORKS	MOBILE COMPUTING	DISTRIBUTED SYSTEMS	AD HOC AND SENSOR NETWORKS	ELECTIVE III	ELECTIVE IV		INFORMATION RETRIEVAL SYSTEMS
					STORAGE AREA NETWORKS	NETWORK MANAGEMENT & PERFORMANCE EVOLUTION		
					DIGITAL IMAGE PROCESSING	E-COMMERCE WEB SERVICES		
REAL TIME SYSTEMS-84	EMBEDDED LINUX PROGRAMMING	EMBEDDED SYSTEMS DEVELOPMENT	EMBEDDED REAL TIME OPERATING SYSTEMS	SCRIPTING LANGUAGES	ELECTIVE III	ELECTIVE IV		
					LOW POWER VLSI DESIGN	INFORMATION SECURITY		
					CASE STUDIES IN REAL TIME APPLICATIONS	NEURAL NETWORKS		
					MOBILE COMPUTING	QUALITY ASSURANCE IN RTS		
HIGH VOLTAGE ENGINEERING-85	HIGH VOLTAGE TESTING TECHNOLOGY	EHV AC TRANSMISSION	SURGE PHENOMENA AND INSULATION COORDINATION	ADVANCED POWER SYSTEM PROTECTION	ELECTIVE III	ELECTIVE IV		
					PROGRAMMABLE LOGIC CONTROLLERS AND THEIR APPLICATIONS	ADVANCED EM FIELDS		
					POWER SYSTEM TRANSIENTS	HV TRANSFORMERS		
					PARTIAL DISCHARGE IN HIGH VOLTAGE EQUIPMENT	PULSE POWER ENGINEERING		
HIGHWAY ENGINEERING-87	TRAFFIC ANALYSIS		HIGHWAY PROJECT FORMULATION AND ECONOMICS	PAVEMENT ANALYSIS AND DESIGN	ELECTIVE III	ELECTIVE IV	PAVEMENT CONSTRUCTION MAINTENANCE & MANAGEMENT	ELECTIVE IV
					LAND USE AND TRANSPORTATION MODELING	ENVIRONMENTAL IMPACT ASSESSMENT FOR TRANSPORTATION PROJECTS		GIS APPLICATIONS IN TRANSPORTATION ENGINEERING
					TRANSPORTATION SYSTEM MANAGEMENT			OPTIMIZATION TECHNIQUES
					ROAD SAFETY ENGINEERING			
ELECTRONICS & INSTRUMENTATION-88	DATA ACQUISITION SYSTEM	QUALITY & RELIABILITY ENGINEERING IN ELECTRONIC SYSTEM	ROBOTICS DESIGN AND CONTROL	VIRTUAL INSTRUMENTATION	ELECTIVE III	ELECTIVE IV	ADVANCED DIGITAL SIGNAL PROCESSING	
					INDUSTRIAL INSTRUMENTATION	MEMS & APPLICATIONS		
					SYSTEM ON CHIP ARCHITECTURES	PLC & ITS APPLICATIONS FIBER OPTIC AND LASER INSTRUMENTATION		
AUTOMATION (MECHANICAL)-89	FLUID POWER SYSTEMS	MICROPROCESSOR & APPLICATIONS	INTELLIGENT INSTRUMENTATION & MANUFACTURING	INDUSTRIAL ROBOT TECHNOLOGY	ELECTIVE III	ELECTIVE IV		
					QUALITY ENGINEERING IN MANUFACTURING	DESIGN FOR MANUFACTURING & ASSEMBLY		
					ADVANCED OPTIMIZATION TECHNIQUE & APPLICATIONS	SMART MATERIALS & STRUCTURES		
					NEURAL NETWORK & FUZZY LOGIC	VIBRATION ANALYSIS & CONDITION MONITORING		
HEATING VENTILATION & AIR CONDITIONING-91	AIR-CONDITIONING -II	ELECTIVE III	ADVANCE INSTRUMENTATION CONTROL SYSTEMS	REFRIGERATION & A/C EQUIPMENTS & CONTROL	ELECTIVE III	ELECTIVE IV		ADVANCED HEAT AND MASS TRANSFER
		ENERGY MANAGEMENT			ADVANCED FINITE ELEMENT ANALYSIS	TURBO MACHINES		
						EQUIPMENT DESIGN FOR THERMAL SYSTEMS		

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SYSTEMS AND SIGNAL PROCESSING-93	ADAPTIVE SIGNAL PROCESSING		SPEECH PROCESSING	DIGITAL SIGNAL PROCESSORS AND ARCHITECTURES	ELECTIVE III CPLD AND FPGA ARCHITECTURES AND APPLICATION EMBEDDED REAL-TIME OPERATING SYSTEMS AD-HOC AND WIRELESS SENSOR NETWORKS	ELECTIVE IV IMAGE AND VIDEO PROCESSING SYSTEM ON CHIP ARCHITECTURE DIGITAL CONTROL SYSTEMS		CODING THEORY AND TECHNIQUES
ENGINEERING DESIGN-95	ADVANCED MACHINE DESIGN	DESIGN FOR MANUFACTURING AND ASSEMBLY	FINITE ELEMENT AND BOUNDARY ELEMENT METHODS	INDUSTRIAL ROBOTICS	ELECTIVE III MATERIALS HANDLING EQUIPMENT DESIGN APPLIED RANDOM VIBRATIONS FRACTURE MECHANICS PRODUCT DATA MANAGEMENT APPLIED TRIBOLOGY	ELECTIVE IV NANO COMPOSITES DESIGN AND SYNTHESIS VEHICLE DYNAMICS DIGITAL IMAGE PROCESSING AND COMPUTER VISION ADVANCED TOOL DESIGN ADVANCED MECHANICS OF COMPOSITE MATERIALS		
AERONAUTICAL ENGINEERING-97	AIRCRAFT CONTROL AND SIMULATION	SPACE TRANSPORTATION SYSTEMS	COMPUTATIONAL APPROACHES TO AEROSPACE VEHICLE DESIGN	AEROSPACE SENSORS AND MEASUREMENT SYSTEMS	ELECTIVE III SPACECRAFT DYNAMICS AND CONTROL MISSILE GUIDANCE AERO-THERMODYNAMICS OF HYPersonic FLIGHT ADVANCED TOPICS IN AIR TRAFFIC MANAGEMENT SYSTEMS DYNAMICS AND CONTROL OF STRUCTURES	ELECTIVE IV TACTICAL MISSILE DESIGN HIGH ANGLE OF ATTACK AERODYNAMICS MECHANICS OF COMPOSITE MATERIALS ROCKET AND SPACECRAFT PROPULSION OPTIMAL CONTROL		
POWERPLANT ENGINEERING AND ENERGY MANAGEMENT-99	ADVANCED POWER PLANT ENGINEERING	POWER PLANT INSTRUMENTATION	POWER PLANT MAINTENANCE	ENERGY CONSERVATION	EQUIPMENT DESIGN FOR THERMAL SYSTEMS	ELECTIVE III POWER DISTRIBUTION SYSTEM ENVIRONMENT & SAFETY ENGINEERING POWER PLANT PERFORMANCE MONITORING & TESTING POWER PLANT PROTECTION & SWITCH GEAR		
ELECTRONICS DESIGN TECHNOLOGY-A0	EMBEDDED C	CMOS MIXED SIGNAL CIRCUIT DESIGN	EMBEDDED REAL TIME OPERATING SYSTEMS	DESIGN FOR TESTABILITY	ELECTIVE III DIGITAL SIGNAL PROCESSORS AND ARCHITECTURES SYSTEM ON CHIP ARCHITECTURE EMBEDDED NETWORKING	ELECTIVE IV SENSORS AND ACTUATORS SEMICONDUCTOR MEMORY DESIGN AND TESTING LOW POWER VLSI DESIGN		
CONSTRUCTION MANAGEMENT-A1	CONSTRUCTION METHODS AND EQUIPMENT	CONSTRUCTION AND CONTRACT MANAGEMENT	CONSTRUCTION ECONOMICS AND FINANCE	ELECTIVE III/IV BUILDING SERVICES	ELECTIVE III/IV UNDER WATER CONSTRUCTION. STRATEGIC MANAGEMENT IN CONSTRUCTION.	ELECTIVE III/IV CRITICAL CHAIN MANAGEMENT. GEO-ENVIRONMENTAL ENGINEERING.	ELECTIVE III/IV ADVANCED CONCRETE TECHNOLOGY	CIVIL ENGINEERING MATERIALS AND RECENT ADVANCES

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CYBER FORENSIC INFORMATION SECURITY~A2	SOFTWARE VULNERABILITY ANALYSIS	INTRUSION DETECTION AND PREVENTION SYSTEMS	CYBER CRIME INVESTIGATIONS AND DIGITAL FORENSICS	CYBER LAWS AND SECURITY POLICIES	ELECTIVE III	ELECTIVE IV		
					SECURITY THREATS	DISTRIBUTED SYSTEMS SECURITY		
					DIGITAL WATERMARKING AND STEGANOGRAPHY	INTELLECTUAL PROPERTY RIGHTS		
					INFORMATION THEORY AND CODING	NETWORK PROGRAMMING		
CYBER SECURITY~A3	SOFTWARE VULNERABILITY ANALYSIS	INTRUSION DETECTION AND PREVENTION SYSTEMS	CYBER CRIME INVESTIGATIONS AND DIGITAL FORENSICS	CYBER LAWS AND SECURITY POLICIES	ELECTIVE III	ELECTIVE IV		
					DIGITAL WATERMARKING AND STEGANOGRAPHY	INTELLECTUAL PROPERTY RIGHTS		
					INFORMATION THEORY AND CODING	DISTRIBUTED SYSTEMS SECURITY		
					SECURITY THREATS	NETWORK PROGRAMMING		
BIOMEDICAL SIGNAL PROCESSING INSTRUMENTATION~A4	ELECTIVE III ADAPTIVE SIGNAL PROCESSING	ADVANCED MEDICAL IMAGING	FIBER OPTICS AND LASER INSTRUMENTATION	DIGITAL SIGNAL PROCESSORS AND ARCHITECTURES	ELECTIVE III	ELECTIVE IV	ADVANCED BIOMEDICAL SIGNAL PROCESSING	
					DESIGN AND ANALYSIS OF SIGNAL CONDITIONING CIRCUITS	BIOMEMS AND NANOTECHNOLOGY		
					SENSORS AND ACTUATORS	SPEECH PROCESSING		
						REHABILITATION ENGINEERING		
VLSI DESIGN~A5	LOW POWER VLSI DESIGN	CMOS MIXED SIGNAL CIRCUIT DESIGN	CAD FOR VLSI CIRCUITS	DESIGN FOR TESTABILITY	ELECTIVE III	ELECTIVE IV		
					VLSI SIGNAL PROCESSING	SYSTEM ON CHIP ARCHITECTURE		
					SCRIPTING LANGUAGES	SEMICONDUCTOR MEMORY DESIGN AND TESTING		
					DIGITAL SIGNAL PROCESSORS AND ARCHITECTURES	OPTIMIZATION TECHNIQUES IN VLSI DESIGN		

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NOTE:

- (i). ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY
- (ii). EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES.THE EXAMINATIONS SHALL BE CONDUCTED AS US