

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY - HYDERABAD – 5000 85

E X A M I N A T I O N B R A N C H

**IV YEAR B.TECH - I SEMESTER– R13 REGULATION SUPPLEMENTARY EXAMINATIONS SEPTEMBER-2021**

**T I M E T A B L E**

**TIME → FN: 9.45 AM TO 12.45 PM**

BRANCH	04-09-2021 SATURDAY	07-09-2021 TUESDAY	09-09-2021 THURSDAY	13-09-2021 MONDAY	15-09-2021 WEDNESDAY	17-09-2021 FRIDAY	21-09-2021 TUESDAY	23-09-2021 THURSDAY	25-09-2021 SATURDAY	
<b>CIVIL ENGINEERING (01-C E)</b>	Remote Sensing & GIS (Comm. To CE, CEE)	Watershed Management (Comm. To CE, CEE, ACE)	Estimating & Costing (Comm. To CE, CEE)	Water Resources Engineering -II	Advanced Foundation Engineering	Transportation Engineering - II	Advanced Structural Design		Air Pollution and Control (Comm. To CE, CEE)	
					Finite Element Methods (Comm. To CE, CEE)		Earth and Rock fill Dams and Slope Stability			
							Water Resources Systems Analysis			
							Industrial Waste Water Treatment (Comm. To CE, CEE)			
<b>ELECTRICAL AND ELECTRONICS ENGINEERING (02-E E E)</b>	-	Utilization of Electrical Energy	Digital Signal Processing	Power System Operation and Control	Digital Control Systems (comm. To EEE, EIE)	Optimization Techniques	Switch Gear and Protection	VLSI Design (Comm to EEE, EIE, BME)	----	
					High Voltage Engineering	Electrical Distribution Systems				
						Data structures				Electrical Estimation and Costing

DATE: 18-08-2021

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**EXAMINATION BRANCH**

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<b>MECHANICAL ENGINEERING (03-M E)</b>	OPERATIONS RESEARCH (Comm. To ME, CSE, IT, MCT, AE, AME,MIE, ,MSNT, ACE )	Power Plant Engineering (Comm. To ME, MCT)	CAD/CAM (Comm. To ME, AE, AME, MSNT)	Instrumentation and Control Systems (Comm. To ME, AME)	Robotics (Comm. To ME, AME, MSNT)	Unconventional Machining Processes	--	--	Industrial Management
					Mechanical Vibrations (Comm. TO ME, AME, MSNT)	CNC Technology (Comm. To ME, MSNT)			
					Mechatronics (Comm. To ME, AME)	Automation in Manufacturing			
					Mechanics of Composite Materials (Comm. To ME, MSNT)	Design for Manufacturing			
						Nanotechnology (Comm. To ME, CHEM, BME)			

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<b>ELECTRONICS AND COMMUNICATIONS ENGINEERING (04-E C E)</b>	Management Science (Comm. To ECE, ETM, MMT)	Microwave Engineering	Computer Networks (Comm. To ECE, EIE, BME)	Multimedia and Signal Coding (Comm. To ECE, ETM)	Object Oriented Programming through Java	Television Engineering	Cellular and Mobile Communicati ons	----	Digital Image Processing (Comm. To ECE, ETM)
						Optical Communica tions (Comm. To ECE, ETM)			
						Embedded Systems Design (Comm. To ECE, ETM)			
<b>COMPUTER SCIENCE AND ENGINEERING (05-C S E)</b>	OPERATIONS RESEARCH (Comm. To ME, CSE, IT, MCT, AE, AME,MIE, ,MSNT, ACE )	Design Patterns (Comm. To CSE, IT)	Linux Programmi ng	Cloud Computing	Software Project Management (Comm. To CSE, IT)	Machine Learning	Information Retrieval Systems (Comm. To CSE, IT)	Data Warehousi ng and Data Mining	----
	Image processing and Pattern Recognition (Comm. To CSE, IT)					Soft Computing (Comm. To CSE, IT)			
	Big data analytics(Associate analytics-II) (Comm. To CSE, IT)				Mobile Computing	Artificial Intelligence			
	Information Security assessments and audits(security analyst-2) (Comm. To CSE, IT)				Computer Graphics (Comm. To CSE, IT)	Computer Forensics			

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<b>CHEMICAL ENGINEERING (08-C H E M)</b>	Transport Phenomena	Process Dynamics & Control	Chemical Process Equipment Design	Process Modeling and Simulation	Polymer Technology	Nanotechnology (Comm. To ME, CHEM, BME)	--	--	----
					Petroleum and Petrochemical Technology	Biochemical Engineering			
					Chemical Process Optimization	Computational Fluid Dynamics			
<b>ELECTRONICS AND INSTRUMENTATION ENGINEERING (10-E I E)</b>	Analytical Instrumentation	PC Based Instrumentation	Computer Networks (Comm. To ECE, EIE, BME)	Robotics and Automation	Digital Control Systems (comm. To EEE, EIE)	Embedded Systems	Telemetry and Telecontrol	VLSI Design (Comm to EEE, EIE, BME)	----
					Bio Medical Instrumentation		Optoelectronics & Laser Instrumentation		
<b>BIO-MEDICAL ENGINEERING (11-B M E)</b>	Bio medical Signal Processing -	Medical Image Processing	Computer Networks (Comm. To ECE, EIE, BME)	---	Embedded & Real Time Systems	Nanotechnology (Comm. To ME, CHEM, BME)	Artificial Neural Networks	VLSI Design (Comm to EEE, EIE, BME)	Rehabilitation Engineering
						Lasers & Fiber Optic Instrumentation		DSP Processors & Architectures	

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<b>INFORMATION TECHNOLOGY (12- I T)</b>	OPERATIONS RESEARCH (Comm. To ME, CSE, IT, MCT, AE, AME,MIE, ,MSNT, ACE )	Design Patterns (Comm. To CSE, IT)	Information Security	Mobile Application Development	Software Project Management (Comm. To CSE, IT)	Soft Computing (Comm. To CSE, IT)	Informatio n Retrieval Systems (Comm. To CSE, IT)	----	----
	Image processing and Pattern Recognition (Comm. To CSE, IT)				Computer Graphics (Comm. To CSE, IT)				
	Wireless Networks and Mobile Computing				Human Computer Interaction				
	Semantic Web and Social Networks				Scripting Languages				
	Big data analytics(Associa te analytics-II) (Comm. To CSE, IT)				Computer Forensics				
	Information Security assessments and audits (security analyst-2) (Comm. To CSE, IT)								

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**EXAMINATION BRANCH**

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<b>MECHANICAL ENGINEERING (MECHATRONICS) (14-MCT)</b>	OPERATIONS RESEARCH (Comm. To ME, CSE, IT, MCT, AE, AME, MIE, MSNT, ACE )	Power Plant Engineering (Comm. To ME, MCT)	Robotics & its applications	----	Product Design and Assembly Automation	Microproces sors and Micro Controllers (Comm. To MCT, AME)	Computational Fluid Dynamics (Comm. To MCT, AME, ACE)	Motion Control Design	Flexible Manufacturing System
		Computer Organization			Renewable Energy Sources				
		Advanced Kinematics and Dynamics of Machinery			Data Structures				
<b>ELECTRONICS AND TELEMATICS ENGINEERING (17-ETM)</b>	Management Science (Comm. To ECE, ETM, MMT)	Advanced Tele communication Technologies	Electronic Measurements and Instrumentation	Multimedia and Signal Coding (Comm. To ECE, ETM)	Digital Signal Processors and Architectures	Optical Communications (Comm. To ECE, ETM)	Spread Spectrum Communications	----	E1 Digital Image Processing (Comm. To ECE, ETM)
						Embedded Systems Design (Comm. To ECE, ETM)			
						Digital Control Systems			

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<b>METALLURGICAL AND MATERIAL ENGINEERING (18-M M T)</b>	Management Science (Comm. To ECE, ETM, MMT)		Material Characteriza tion Techniques	Non Destructive Testing	Ceramic Science and Technology	Metallurgical Problems	E1 Semi Conductors and Magnetic Materials	Electro Metallurgy and Corrosion	----
					X- Ray Diffraction				
					Light Metals and Alloys	Polymeric Materials			
					Probability & Statistics (Comm. To MMT, AE)				
<b>AERONAUTICAL ENGINEERING (21-A E)</b>	OPERATIONS RESEARCH (Comm. To ME, CSE, IT, MCT, AE, AME, MIE, MSNT, ACE )		CAD/CAM (Comm. To ME, AE, AME, MSNT)	Airframe Structural Design	Probability & Statistics (Comm. To MMT, AE)	Space Mechanics	Control Theory – Application to Flight Control Systems	Mechanical Vibrations and Structural Dynamics	----
						Experimental Aerodynamics			
					Advanced Computational Aerodynamics	Aircraft Maintenance Engineering			
					Flight Scheduling and Operations				
					Mechanisms and Mechanical Design				
					Theory of Elasticity				

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<b>AUTOMOBILE ENGG. (24 – AME)</b>	OPERATIONS RESEARCH (Comm. To ME, CSE, IT, MCT, AE, AME, MIE, MSNT, ACE)	Automotive Electrical and Autotronics	CAD/CAM (Comm. To ME, AE, AME, MSNT)	Instrumentation and Control Systems (Comm. To ME, AME)	Robotics (Comm. To ME, AME, MSNT)	Microprocessors and Micro Controllers (Comm. To MCT, AME)	Computational Fluid Dynamics (Comm. To MCT, AME, ACE)	Automotive chassis and Suspension	Metrology & Surface Engineering
					Mechatronics (Comm. To ME, AME)				
					Automotive Pollution and Control	Finite Element Methods			
					Mechanical Vibrations (Comm. TO ME, AME, MSNT)	Vehicle Body Engineering and Safety			
<b>MINING ENGINEERING (25 – MIE)</b>	OPERATIONS RESEARCH (Comm. To ME, CSE, IT, MCT, AE, AME, MIE, MSNT, ACE)	Rock Mechanics	Mineral Processing	Mine Legislation	Rock Excavation Engineering	Computer Applications in Mining	Rock Slope Engineering	----	----
						Mine Construction Engineering			
						Tunneling Engineering	Mine Subsidence Engineering		
					Rock Fragmentation Engineering	Strata Control Technology			

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<b>PETROLIUM ENGG. (27 – PTME)</b>	Enhanced oil Recovery Techniques	Petroleum Refinery Engineering	Petroleum Managem ent, Marketing & Finance	Health, Safety & Environment in Petroleum Industry	Natural Gas Processing	Offshore Engineering	----	--	----
					Coal Bed Methane Engineering	Horizontal Well Technology			
					Petro Chemical Engineering	Optimization of Upstream Processes			
					Mass Transfer Operations	Chemical Reaction Engineering-1			
					Material Science				
<b>CIVIL &amp; ENVIRONMENT AL ENGINEERING (28-C E E)</b>	Remote Sensing & GIS (Comm. To CE, CEE)	Watershed Management (COMM. To CE, CEE, ACE)	Estimating & Costing (Comm. To CE, CEE)	Transportatio n Engineering	Finite Element Methods (Comm. To CE, CEE)	Solid waste Management	Industrial Waste Water Treatment (Comm. To CE, CEE)	—	Air Pollution and Control (Comm. To CE, CEE)
					Environment al Sanitation		Environment al Pollution of Soil & Remediation		

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<b>MECHANICAL ENGINEERING (MATERIAL SCIENCE &amp; NANO TECHNOLOGY) (29 – MSNT)</b>	OPERATIONS RESEARCH (Comm. To ME, CSE, IT, MCT, AE, AME, MIE, MSNT, ACE )	---	CAD/CAM (Comm. To ME, AE, AME, MSNT)	Metrology Instrumentation and Control Systems	Robotics (Comm. To ME, AME, MSNT)	CNC Technology (Comm. To ME, MSNT)	Mechanical behavior of Nano Materials	Carbon Nano Tubes and their Applications	----
					Automobile Engineering		Nano Sensors and Actuators		
					Mechanics of Composite Materials (Comm. To ME, MSNT)		MEMS/ NEMS Design and Applications		
					Mechanical Vibrations (Comm. TO ME, AME, MSNT)		Surface Engineering		

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<b>AGRICULTURE ENGINEERING (30 - ACE)</b>	OPERATIONS RESEARCH (Comm. To ME, CSE, IT, MCT, AE, AME,MIE, MSNT, ACE )	Watershed Management (comm. To CE, CEE, ACE)	Micro Irrigation Engineering	Farm Machinery and Equipments- II	Agro Industries and Bi- product Utilization	Mechanical Measurements and Instrumentation	Computational Fluid Dynamics (Comm. To MCT, AME, ACE)	Post Harvest Engineering for Horticulture Produce	----
	Drying and Storage Engineering								
	Managerial economics & financial Analysis								
	Food processing plant design and layout								

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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 USUAL
- (iii) READMITTED STUDENTS HAVE TO APPEAR FOR THE SUBSTITUTE SUBJECT(S) [WHICH IS/ARE NOT SHOWN IN THE TIME-TABLE] IN PLACE OF THE SUBJECT(S) ALREADY PASSED. FOR DETAILS OF SUBSTITUTE SUBJECTS REFER THE COMMUNICATIONS RECEIVED FROM THE DIRECTOR OF ACADEMIC & PLANNING.