

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY, HYDERABAD – 500 085

EXAMINATION BRANCH

## IV YEAR B.TECH – I SEMESTER– R16 REGULATION SUPPLEMENTARY EXAMINATIONS DECEMBER-2023/JANUARY-2024

### TIME TABLE

TIME → FN: 10:00 AM TO 1:00 PM

BRANCH	27-12-2023 WEDNESDAY	29-12-2023 FRIDAY	02-01-2024 TUESDAY	04-01-2024 THURSDAY	06-01-2024 SATURDAY	08-01-2024 MONDAY	10-01-2024 WEDNESDAY	12-01-2024 FRIDAY	17-01-2024 WEDNESDAY
<b>CIVIL ENGINEERING (01-CE)</b>	TRANSPORTATION ENGINEERING (Common to CE, CEE)	E4	ESTIMATION QUANTITY SURVEYING AND VALUATION	E3	E2	E4	E3	---	---
		BRIDGE ENGINEERING (Common to CE, CEE)		CONSTRUCTION TECHNOLOGY AND MANAGEMENT (Common to CE, CEE)	IRRIGATION AND HYDRAULIC STRUCTURES (Common to CE, CEE)	GROUND IMPROVEMENT TECHNIQUES			
		TRAFFIC ENGINEERING		FOUNDATION ENGINEERING	SOIL DYNAMICS AND MACHINE FOUNDATION	RAILWAY AND AIRPORT ENGINEERING			
				REHABILITATION AND RETROFITTING OF STRUCTURES		WATERSHED MANAGEMENT			
STOCHASTIC HYDROLOGY									

Date:06-12-2023

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<b>ELECTRICAL AND ELECTRONICS ENGINEERING</b>  <b>(02-EEE)</b>	POWER SEMICONDUCTOR DRIVES	---	E3	POWER SYSTEM OPERATION AND CONTROL	E4	E2	E4	---	---
			OPTIMIZATION TECHNIQUES (Common to EEE, ECE, ETM)		SPECIAL MACHINES	RELIABILITY ENGINEERING (Common EEE, MECT)	PROGRAMMABLE LOGIC CONTROLLERS		
			DIGITAL CONTROL SYSTEMS (Common to EEE, EIE)		EHV AC TRANSMISSION SYSTEMS	DIGITAL SIGNAL PROCESSING	FLEXIBLE A.C. TRANSMISSION SYSTEMS		
			MODERN POWER ELECTRONICS			HVDC TRANSMISSION			
POWER QUALITY	SWITCH MODE POWER SUPPLIES								

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<b>MECHANICAL ENGINEERING (03-ME)</b>	INSTRUMENTATION AND CONTROL SYSTEMS (Common ME, AME)	E2		E3	E3	---	E3	E4	E2
		OPERATIONS RESEARCH (Common ME, MECT, MMT, AE, AME)	CAD / CAM (Common ME, AE, MSNT)	COMPUTATIONAL FLUID DYNAMICS (Common ME, AE, AME, MSNT)	ROBOTICS (Common ME, AME, MSNT)	----	CNC TECHNOLOGY (Common ME, MSNT)	MECHANICAL VIBRATIONS (Common ME, AME)	INDUSTRIAL MANAGEMENT
		POWER PLANT ENGINEERING (Common ME, MSNT)		ENGINEERING TRIBOLOGY				ADDITIVE MANUFACTURING TECHNOLOGY	
		COMPOSITE MATERIALS						MEMS	
								TURBO MACHINES	

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<b>ELECTRONICS AND COMMUNICATION ENGINEERING  (04-ECE)</b>	E2	E4	E4			E3	E2		
	COMPUTER NETWORKS Common to (ECE, BME, ETM)	OBJECT ORIENTED PROGRAMMING Common to (ECE, ETM)	OPTIMIZATION TECHNIQUES Common to (EEE, ECE, ETM)	MICROWAVE ENGINEERING Common to (ECE, ETM)	---	EMBEDDED SYSTEM DESIGN Common to (ECE, EIE, ETM, ECM)	CODING THEORY AND TECHNIQUES Common to (ECE, ETM)	VLSI DESIGN Common to (ECE, EIE, ETM)	---
		ARTIFICIAL INTELLIGENCE Common to (ECE, IT, ECM)	ELECTRONIC MEASUREMENTS AND INSTRUMENTATION			INTERNET OF THINGS Common to (ECE, CSE, IT)			
	FPGA PROGRAMMING					RADAR SYSTEMS	SOFT COMPUTING TECHNIQUES		
				WIRELESS COMMUNICATIONS AND NETWORKS					

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<b>COMPUTER SCIENCE AND ENGINEERING</b>  (05-CSE)	DATA MINING (Common to CSE, IT)	E3	---	PRINCIPLES OF PROGRAMMI NG LANGUAGES	---	E2	---	E4	---
		SOFTWARE PROCESS AND PROJECT MANAGEMEN T (Common to CSE, IT)				INTERNET OF THINGS (Common to ECE, CSE, IT)		CLOUD COMPUTING (Common to CSE, IT, ECM)	
		DISTRIBUTD SYSTEMS				PYTHON PROGRAMMING (Common to CSE, IT)		BLOCKCHAIN TECHNOLOGY (Common to (SE, IT)	
		GRAPH THEORY				WEB SCRIPTING LANGUAGES (Common to CSE, IT)		SOCIAL NETWORK ANALYSIS (Common to (SE, IT)	
		MACHINE LEARNING				MOBILE APPLICATION DEVELOPMENT		COMPUTATION AL COMPLEXITY	

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<b>ELECTRONICS AND INSTRUMENTATION ENGINEERING  (10-EIE)</b>	INDUSTRIAL AUTOMATION	---	E3	E4	---	EMBEDDED SYSTEM DESIGN (Common to ECE, EIE, ETM, ECM)	E2	E4	E2
			BIOMEDICAL INSTRUMENTATION	ROBOTICS AND AUTOMATION (Common to EIE, BME )			TELEMETRY AND TELECONTROL	VLSI DESIGN (Common to CE, EIE, ETM)	DIGITAL IMAGE PROCESSING ( Common to EIE, ETM, ECM)
			DIGITAL CONTROL SYSTEMS (Common to EEE, EIE)	INSTRUMENT ATION PRACTICES IN INDUSTRIES			OPTOELECTRONICS & LASER INSTRUMENTATION		
			MEDICAL IMAGING TECHNIQUES				ADAPTIVE CONTROL SYSTEMS	EMBEDDED REAL TIME OPERATING SYSTEMS	
			POWER PLANT INSTRUMENTATION						

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<b>BIO-MEDICAL ENGINEERING (11-BME)</b>	E2	MEDICAL IMAGE PROCESSING	---	E4	E3	E4	E3	MICROPROCESSORS AND MICROCONTROLLERS (Common to BME, MECT)	E3
	COMPUTER NETWORKS (Common to ECE, BME, ETM )			ROBOTICS AND AUTOMATION (Common to EIE, BME )	OPERATING SYSTEMS (Common to BME, ECM)	NANO TECHNOLOGY	ARTIFICIAL NEURAL NETWORKS (Common to BME, ECM)		REHABILITA TION ENGINEERIN G
	TELEMEDICINE			QUANTITATIVE ENGINEERING PHYSIOLOGY	HOSPITAL SYSTEM MANAGEMENT				
	VIRTUAL INSTRUMENTA TION			TRANSPORTATION PHENOMENA IN LIVING SYSTEMS					
	BIOMATERIALS								

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<b>INFORMATION TECHNOLOGY</b>  (12- I T)	DATA MINING ( Common to CSE, IT)	E3	ANDROID APPLICATION DEVELOPMENT	E3	---	E2	---	E4	---
		ARTIFICIAL INTELLIGENCE (Common to ECE, IT, ECM)		EMBEDDED SYSTEMS		INTERNET OF THINGS (Common to ECE, CSE, IT)		CLOUD COMPUTING (Common to CSE, IT, ECM)	
		SOFTWARE PROCESS AND PROJECT MANAGEMENT (Common to CSE, IT)		WEB AND DATABASE SECURITY		PYTHON PROGRAMMI NG ( Common to CSE, IT)		BLOCKCHAIN TECHNOLOGY (Common to CSE, IT)	
				WEB SCRIPTING LANGUAGES ( Common to CSE, IT)		SOCIAL NETWORK ANALYSIS (Common to CSE, IT)			
	ETHICAL HACKING	INFORMATION RETRIEVAL SYSTEMS							

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<b>MECHANICAL ENGINEERING (MECHATRONICS)  (14-MECT)</b>	E3	E3	ROBOTICS AND ITS APPLICATIONS	MATHEMATICAL MODELING AND SIMULATION	E4	E2	---	MICROPROCESSORS AND MICROCONTROLLER S (Common to BME, MECT)	FLEXIBLE MANU FACTURING SYSTEM
	PLANT ENGINEERING AND MAINTENANCE (Common to MECT, AME)	OPERATIONS RESEARCH (Common ME, MECT, MMT, AE, AME)			AUTOMOBILE ENGINEERING	PRINCIPLES OF MACHINE DESIGN			
	REFRIGERATIO N AND AIR CONDITIONING	ADVANCED KINEMATICS & DYNAMICS OF MACHINERY			ENGINEERING METROLOGY	RELIABILITY ENGINEERING (Common EEE, MECT)			
					MECHANICS OF COMPOSITE MATERIALS	CONCURRENT ENGINEERING			

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<b>ELECTRONICS AND TELEMATICS ENGINEERING (17-ETM)</b>	COMPUTER NETWORKS (Common to ECE, BME, ETM)	E3	E4	E4	TELECOMMUNICATION SWITCHING SYSTEMS AND NETWORKS (Common to ETM, ECM)	E4	E3	E2	E2
		OBJECT ORIENTED PROGRAMMING THROUGH JAVA (Common to ECE, ETM)	OPTIMIZATION TECHNIQUES (Common to EEE, ECE, ETM)	MICROWAVE ENGINEERING (Common to ECE, ETM)		EMBEDDED SYSTEM DESIGN (Common to ECE, EIE, ETM, ECM)	CODING THEORY AND TECHNIQUES (Common to ECE, ETM)	VLSI DESIGN (Common to ECE, EIE, ETM)	DIGITAL IMAGE PROCESSING (Common to EIE, ETM, ECM)
				NETWORKS SECURITY AND CRYPTOGRAPHY (Common to ETM, ECM)			DIGITAL SIGNAL PROCESSORS AND CONTROLLERS		DESIGN OF FAULT TOLERANT SYSTEMS
						CELLULAR AND MOBILE COMMUNICATIONS			

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<b>METALLURGICAL AND MATERIALS ENGINEERING (18-MMT)</b>	POWDER METALLURGY	E3	----	E2	----	E4	—	ELECTROMETALLURGY AND CORROSION ENGINEERING	—
		OPERATIONS RESEARCH (Common ME, MECT, MMT, AE, AME)		FRACTURE MECHANICS AND FAILURE ANALYSIS		LIGHT MATERIALS AND ALLOYS			
		ALLOY STEELS		METALLURGICAL PROBLEMS		NON DESTRUCTIVE EVALUATION			
		POLYMERIC MATERIALS		SCIENCE AND TECHNOLOGY OF CERAMICS		X RAY METALLOGRAPHY			

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<b>ELECTRONICS AND COMPUTER ENGINEERING  (19-E.COMP.E)</b>	-	E4	LINUX PROGRAMMING	E3	E2	EMBEDDED SYSTEM DESIGN (Common to ECE, EIE, ETM, ECM)	E2	E4	E3
		ARTIFICIAL INTELLIGENCE Common to (ECE, IT, ECM)		NETWORKS SECURITY AND CRYPTO GRAPHY (Common to ETM, ECM)	TELE COMMUNICAT ION SWITCHING SYSTEMS AND NETWORKS (Common to ETM, ECM)		CLOUD COMPUTING Common to (CSE, IT, ECM)		
		WIRELESS SENSOR NETWORKS		COMPILER DESIGN	DESIGN AND ANALYSIS OF ALGORITHMS		ARTIFICIAL NEURAL NETWORKS (Common to BME, ECM)	DSP PROCESSORS AND ARCHITECTUR ES	
		DIGITAL SYSTEM DESIGN		OPERATING SYSTEMS (Common to BME, ECM)	DIGITAL IMAGE PROCESSING (Common to EIE, ETM, ECM)				

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AERONAUTICAL ENGINEERING (21-AE)	FLIGHT VEHICLE DESIGN	E2	E2	E3	---	E4	---	MECHANICAL VIBRATION AND STRUCTURAL DYNAMICS	---
		OPERATIONS RESEARCH (Common ME, MECT, MMT, AE, AME)	CAD / CAM (Common ME, AE, MSNT)	COMPUTATIONAL FLUID DYNAMICS (Common ME, AE, AME, MSNT )	SPACE MECHANICS				
		AIRCRAFT MAINTENANCE ENGINEERING	MATERIAL SCIENCE AND COMPOSITES	AIRCRAFT STRUCTURAL DESIGN	MECHANICS OF COMPOSITE STRUCTURES				
				AIRPORT PLANNING AND MANAGEMENT	ADVANCED MANUFACTURI NG TECHNIQUES				
				SYSTEM MODELING AND SIMULATION	AIR TRAFFIC CONTROL				

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<b>AUTOMOBILE ENGINEERING (24-AME)</b>	E3	E4	DESIGN OF MACHINE MEMBERS II	E4	E3	HEAT TRANSFER (Common to AME, MSNT)	E2	E2	E2	
	INSTRUMENTATI ON CONTROL SYSTEMS (Common ME, AME)	OPERATIONS RESEARCH (Common ME, MECT, MMT, AE, AME)		COMPUTATION AL FLUID DYNAMICS (Common ME, AE, AME, MSNT)	ROBOTICS (Common ME, AME, MSNT)		RENEWABLE ENERGY SOURCES (Common to AME, MSNT)	MECHANICAL VIBRATIONS (Common ME, AME)	AUTOMOTIVE POLLUTION AND CONTROL	Metrology & Surface Engineering
		AUTOMATION IN MANUFACTURING		VEHICLE BODY ENGINEERING AND SAFETY	PRODUCT DESIGN AND ASSEMBLY AUTOMATION					
	PLANT ENGINEERING AND MAINTENANCE (Common to MECT, AME)									

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MINING ENGINEERING (25 - MIE)	MINE PLANNING	E4	MINE LEGISLATION	---	E3	E4	E2	---	---
		GEO-STATISTICS			ROCK FRAGMENTATION ENGINEERING	ROCK SLOPE TECHNOLOGY			
		HEALTH AND SAFETY IN MINES			MINE GROUND CONTROL	MINE ECONOMICS			
		PLANNING OF SURFACE MINING TECHNOLOGY PROJECT			PLANNING OF UNDERGROUND COAL MINING PROJECT	MINE SUBSIDENCE ENGINEERING			
		RISK ASSESSMENT AND MANAGEMENT			MINING OF DEEP SEATED DEPOSITS				

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<b>PETROLEUM ENGINEERING</b>  (27 - PTME)	PETROLEUM PRODUCTION ENGINEERING AND DESIGN	---	WELL COMPLETIONS TESTING AND SERVICING	E3	---	E2	E4	---	---
				PETROLEUM RESERVOIR MODELING AND SIMULATION		CHEMICAL REACTION ENGINEERING	HORIZONTAL WELL TECHNOLOGY		
						OFFSHORE ENGINEERING	SURFACE PRODUCTION OPERATIONS		
				PETROLEUM RESERVOIR STIMULATION		NATURAL GAS ENGINEERING	TRANSPORT PHENOMENA		
			SHALE GAS RESERVOIR ENGINEERING						

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<b>CIVIL &amp; ENVIRONMENTAL ENGINEERING (28-CEE)</b>	TRANSPORTATION ENGINEERING (Common to CE, CEE)	E4	SOIL MECHANICS	E2	E4	E2	E3	---	---	
		BRIDGE ENGINEERING (Common to CE, CEE)		PRESTRESSED CONCRETE (Common to CE, CEE)	CONSTRUCTION TECHNOLOGY AND MANAGEMENT (Common to CE, CEE)	IRRIGATION AND HYDRAULIC STRUCTURES (Common to CE, CEE)	ECOLOGY AND MICROBIOLOGY			
		GROUND WATER HYDROLOGY		ADVANCED STRUCTURAL ANALYSIS	WATER QUALITY MANAGEMENT	CONSTRUCTION MANAGEMENT	GROUND WATER DEVELOPMENT AND MANAGEMENT			INDUSTRIAL WASTE WATER TREATMENT
							SOLID WASTE MANAGEMENT			

Date: 06-12-2023

Sd/-  
CONTROLLER OF EXAMINATIONS

# JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY, HYDERABAD – 500 085

EXAMINATION BRANCH

**IV YEAR B.TECH – I SEMESTER– R16 REGULATION SUPPLEMENTARY EXAMINATIONS DECEMBER-2023/JANUARY-2024**

## TIME TABLE

TIME → FN: 10:00 AM TO 1:00 PM

BRANCH	27-12-2023 WEDNESDAY	29-12-2023 FRIDAY	02-01-2024 TUESDAY	04-01-2024 THURSDAY	06-01-2024 SATURDAY	08-01-2024 MONDAY	10-01-2024 WEDNESDAY	12-01-2024 FRIDAY	17-01-2024 WEDNESDAY
<b>MECHANICAL ENGINEERING (MATERIAL SCIENCE &amp; NANO TECHNOLOGY)</b>  (29 – MSNT)	SYNTHESIS AND CHARACTERIZATION OF NANO MATERIALS	E3	E3	E3	E4	HEAT TRANSFER (Common to AME, MSNT)	E2	---	---
		POWER PLANT ENGINEERING (Common ME, MSNT)	CAD / CAM (Common ME, AE, MSNT)	COMPUTATIONAL FLUID DYNAMICS (Common ME, AE, AME, MSNT)	ROBOTICS (Common ME, AME, MSNT)		CNC TECHNOLOGY (Common ME, MSNT)		
		UNCONVENTIONAL MACHINING PROCESSES				NON-DESTRUCTIVE TESTING TECHNIQUES	RENEWABLE ENERGY SOURCES (Common to AME, MSNT)		
						TOOL DESIGN	ADDITIVE MANUFACTURING  MATERIAL HANDLING SYSTEMS		

Date: 06-12-2023

Sd/-

CONTROLLER OF EXAMINATIONS

**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