

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 | |
|--|---|--|--|---|--|---------------------------------------|--|---|---|---|
| CIVIL ENGINEERING (01-C E) | 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) | | | |
| ELECTRICAL AND ELECTRONICS ENGINEERING (02-E E E) | - | 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 |
| | | | | | | | | | | |

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|--|---|---|--|--|--|--|-----------------------|------------------------|--------------------------|
| MECHANICAL ENGINEERING (03-M E) | 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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|--|---|---|--|---|--|---|--|---|---|
| ELECTRONICS AND COMMUNICATIONS ENGINEERING (04-E C E) | 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) | | | |
| COMPUTER SCIENCE AND ENGINEERING (05-C S E) | 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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|---|---------------------------------------|----------------------------------|---|--|--|--|----------------------------------|--|-----------------------------------|--|
| CHEMICAL ENGINEERING (08-C H E M) | Transport Phenomena | Process Dynamics & Control | Chemical Process Equipment Design | Process Modeling and Simulation | Polymer Technology | Nanotechnol ogy (Comm. To ME, CHEM, BME) | -- | -- | ---- | |
| | | | | | Petroleum and Petrochemical Technology | Biochemical Engineering | | | | |
| | | | | | Chemical Process Optimization | Computational Fluid Dynamics | | | | |
| ELECTRONICS AND INSTRUMENTATION ENGINEERING (10-E I E) | 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 |
| | | | | | | | | | | |
| BIO-MEDICAL ENGINEERING (11-B M E) | Bio medical Signal Processing - | Medical Image Processing | Computer Networks (Comm. To ECE, EIE, BME) | --- | Embedded & Real Time Systems | Nanotechnol ogy (Comm. To ME, CHEM, BME) | Artificial Neural Networks | VLSI Design (Comm to EEE, EIE, BME) | Rehabilitatio n Engineering | |
| | | | | | | Lasers & Fiber Optic Instrumentation | | DSP Processors & Architectures | | |

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|---|--|---------------------------------------|------------------------|--------------------------------|---|--------------------------------------|---|------------------------|------------------------|
| INFORMATION TECHNOLOGY (12- I T) | 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) | Information 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(Associate analytics-II) (Comm. To CSE, IT) | | | | Computer Forensics | | | | |
| | Information Security assessments and audits (security analyst-2) (Comm. To CSE, IT) | | | | | | | | |
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|--|--|--|---|--|---|---|---|-----------------------------|--|
| MECHANICAL ENGINEERING (MECHATRONICS) (14-MCT) | 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 | | | | |
| ELECTRONICS AND TELEMATICS ENGINEERING (17-ETM) | 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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|--|---|-----------------------|--|----------------------------------|--|--|---|---|------------------------|
| METALLURGICAL AND MATERIAL ENGINEERING (18-M M T) | 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) | | | | |
| AERONAUTICAL ENGINEERING (21-A E) | 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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| AUTOMOBILE ENGG. (24 – AME) | 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 | | | |
| MINING ENGINEERING (25 – MIE) | 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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|--|---|--|--|--|---|--|---|------------------------|---|
| PETROLIUM ENGG. (27 – PTME) | 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 | | | | |
| CIVIL & ENVIRONMENT AL ENGINEERING (28-C E E) | 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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| MECHANICAL ENGINEERING (MATERIAL SCIENCE & NANO TECHNOLOGY) (29 – MSNT) | 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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| AGRICULTURE ENGINEERING (30 - ACE) | 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.