JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY GURAJADA VIZIANAGARAM
UNIVERSITY EXAMINATION CENTER, VIZIANAGARAM
M.TECH - I SEMESTER (R25 REGULATIONS) II MID EXAMINATIONS,February - 2026
T I M E T A B L E

Monring 10.00 to 12.00

Afternoon : 2.00 to 4.00

Branch & Specialization	**05-02-2026 (Thursday)**		**06-02-2026(Friday)**		**07-02-2026 (Saturday)**
Civil Transportation Engineering (22)	Advanced Highway Engineering **(M252201)**	Advanced Traffic Engineering **(M252202)**	Ground Improvement Technique (M252203)	**Professional Elective-I** a)Bridge Engineering (M252204) b) Project Management (M252205) c)Artificial Intelligence and Machine Learning in Transportation (M252206) d) Pavement Drainage	**Professional Elective - II** a) GIS for Transportation (M252208) b) Pavement Management System (M252209) c) Transportation Modeling and Simulation (M252210) d) Sustainable Transportation (M252211)
Civil Structural Engineering (87)	Theory of Elasticity **(M258701)**	Structural Dynamics **(M258702)**	Design of RCC Foundations(M258703)	**Program Elective - I** a) Matrix Analysis of Structures (M258704) b) Analytical & Numerical Methods for(M258705) Structural Engineering c) Advanced Concrete Technology (M258706) d) Design of High-Rise Structures (M258707)	**Program Elective - II** a) Bridge Engineering (M258708) b) Repair and Rehabilitation of Structures (M258709) c) Advanced Reinforced Concrete Design (M258710) d) Design of Pre stressed Concrete structures(M258711)

Civil Soil Mechanics Engineering (19)	Advanced Soil Mechanics **(M251901)**	Soil Investigation/ Soil Exploration **(M251902)**	Landfill Engineering(M251903)	**Program Elective - I** a) Ground Improvement Techniques (M251904) b) Soil-Foundation Interaction(M251905) c) Critical State Soil Mechanics(M251906) d) Computational Methods in Geotechnical	**Program Elective - II** a) Design with Geo-synthetics (M251908) b) Rock Mechanics (M251909) c) Remote Sensing & Geographical Information Systems (M251910) d) Tunnelling Technology (M251911)
GEOTECHNICAL ENGINEERING(Course Code:20)	Advanced Soil Mechanics	Soil Investigation/ Soil Exploration	Landfill Engineering	Improvement Techniques b) Soil-Foundation Interaction c) Critical State Soil Mechanics d)Computational Methods in	a) Design with Geo-synthetics b) Rock Mechanics c) Remote Sensing & Geographical Information Systems d) Tunnelling Technology

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(III) THE PRINCIPALS ARE REQUESTED TO INFORM THE UNIVERSITY IMMEDIATELY, IF ANY OTHER SUBSTITUTE SUBJECTS ARE

Date:23-01-2026

Controller of Examinations

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Power Electronics (Course Code: 43) II. Power and Industrial Drives (Course Code: 52) III. Power Electronics & Electrical Drives (Course Code: 54)	Electrical Machine Modeling and Analysis(M254301)	Power Electronic Converters (M254302)	Electric Vehicle Technology (M254303)	**Program Elective-I** Modern Control Theory (M254304) Power Quality Enhancement using Custom Power Devices (M254305) Industrial Control Electronics (M254306)	**Professional Elective - II** Artificial Intelligence Techniques (M254307) Renewable Energy Technologies (M254308) HVDC Transmission and Flexible AC Transmission Systems (M254309)
Power Systems (Course Code:56) Power System & Control Automation (Course Code:53) Power Systems Control & Automatio	Power System Operation & Control (M255301)	Smart Grid Technologies (M255302)	Reactive Power Compensation and Management (M255303)	**Program Elective - I** Electrical Distribution Automation (M255304) Advanced Power Systems Protection (M255305) Electric Vehicle Technology (M255306)	**Program Elective - II** HVDC Transmission (M255307) Power Electronic Converters (M255308) Programmable Logic Controllers & Applications (M255309)
POWER SYSTEMS & POWER ELECTRONICS (Course Code:99)	Power Electronic Converters(M259901)	Smart Grid Technologies (M259902)	Power System Operation & Control(M259903)	**Program Elective - I** Electrical Machine Modelling and Analysis (M259904) Renewable Energy Technologies (M259905)	**Program Elective - II** Electrical Distribution Automation (M259907) Reactive Power Compensation and Management (M259908) Electric Vehicle Technology (M259909)

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CAD/CAM(04)	Advanced Finite Element Methods (M250401)	Advanced CAD (M250402)	AI & ML for Mechanical Engineering (M250403)	**Professional Elective-I** Mechanical Behavior of Materials & Characterization (M250404) Optimization and Reliability (M250405) Mechatronics (M250406) Computational Fluid Dynamics (M250407) NPTEL/SWAYAM MOOCs Course with 12 Weeks Duration(M250408)	**Professional Elective - II** MEMS: Design and Manufacturing(M250409) Design for Manufacturing & Assembly(M250410) Fracture Mechanics(M250411) Smart Materials(M250412) NPTEL/SWAYAM MooCs Course with 12 Week Duration(M250413)

MACHINE DESIGN (15)	Mechanical Vibrations and Acoustics (M251501)	Advanced Mechanics of Solids(M251502)	AI&ML for Mechanical Engineering (M251503)	**Program Elective - I** Advanced Finite Element Methods (M251504) Product Design & Development (M251505) Geometric Modeling (M251506) Numerical methods for Mechanical Engineering(M251507**)**	**Program Elective - II** Design for Manufacturing & Assembly (M251508) Multi Body Dynamics (M251509) Vision Systems and Image Processing (M251510) Engineering Tribology (M251511)
THERMAL ENGINEERING (21)	Advanced Heat Transfer(M252101)	Advanced Fluid Mechanics (M252102)	AI&ML for Mechanical Engineering (M252103)	**Program Elective - I** Advanced Power Plant Engineering(M252104) Cryogenic Engineering (M252105) Turbo Machines (M252106) Advanced Thermodynamics & Combustion(M252107)	**Program Elective - II** Renewable Sources of Energy (M252108) Fuel Cells and Hydrogen Technologies (M252109) Analysis of IC Engines (M252110) Jet Propulsion and Rocket Engineering (M252111)

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VLSI (57), VLSI Design(72), VLSI System Design(61)	CMOS Analog Integrated Circuit Design(M255701)	CMOS Digital Integrated Circuit Design(M255702)	Advanced Digital System Design(M255703)	**Professional Elective-I** Micro Chip Fabrication Technique (M255704) Nano Electronic Material Devices(M255705) Semi conductor Memories/ Digital Design Through HDL (M255706) Hardware Description Language (M255707)	**Professional Elective - II VLSI Architecture (M255708)** **Low Power VLSI** (M255709) CAD for VLSI (M255710) System Design Using Embedded Processors (M255711)
VLSI & EMBEDDED SYSTEMS (Course Code:68)	CMOS Digital Integrated Circuit Design (M255501)	CMOS Analog Integrated Circuit Design(M255502)	Embedded System Design(M255503)	**Program Elective - I** Scripting Languages(M255504) Soc design(M255505) VLSI architectures(M255506)	**Program Elective - II** 1.Embedded C (M255508) Hardware Software Co-Design (M255509) Advanced Computer architecture (M255510) IOT(M255511)

DIGITAL ELECTRONICS & COMMUNICATION SYSTEMS (Course Code: 37 &38)	Structural Digital System Design(M253701)	Detection & Estimation Theory(M253702)	Advanced Communications and Networks(M253703)	**Program Elective - I** Design of Fault Tolerant System (M253704) System on Chip Architecture (M253705) Microwave & Millimeter Wave Devices (M253706) Advanced Digital Signal Processing (M253707)	**Program Elective - II** Coding Theory and Techniques (M253708) Optical Communications and Networks (M253709) Wireless MIMO Communications (M253710) IOT Architecture and Computing (M253711)

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COMPUTER SCIENCE & ENGINEERING (Course Code-58)	Data Structures and Algorithm Analysis(M255801)	Machine Learning(M255802)	Mathematical foundations of computer science(M255803)	**Professional Elective-I** Computer Vision and Image Processing (M255804) Soft computing Advanced (M255805) Computer Networks (M255806) Human Computer interaction (M255807) Any minimum12 weeks MOOCS/NPTEL courses suggested by BOS (M255808)	**Professional Elective - II** Recommender Systems(M255809) High Performance Computing(M255810) Advance operating system (M255811) Advanced Compiler Design(M255812) High Performance Computing Any minimum12 weeks MOOCS/NPTEL courses suggested by BOS (M255813)

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