

Model Institute of Engineering & Technology (Autonomous)

Vision Document Research, Development & Innovation

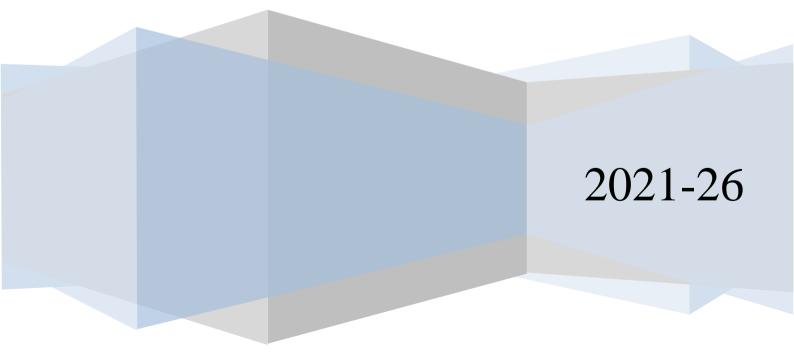


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VISION

To establish Model Institute of Engineering and Technology as a credible center for research in engineering, management and allied domains as evidenced by high-quality publications, innovative projects and generation of intellectual property.

BROAD FOCUS AREAS

- a. Internet-of-Things
- b. Artificial Intelligence and Deep Learning
- c. Cloud Computing and Big Data
- d. Blockchain
- e. 3-D Printing and Rapid Prototyping
- f. Pervasive Computing
- g. Smart Cities
- h. Automation and Robotics
- i. Integrated Circuits and VLSI
- j. Mobile Computing and 5G-based Communication
- k. Low-cost and Reliable Structures
- 1. Environment and Sustainability
- m. Geographical Information Systems
- n. E-Governance
- o. Disaster Management
- p. Public Safety
- q. Autonomous Vehicles
- r. Mechatronics
- s. Strategic Management
- t. Digital Marketing
- u. Technical Education

OBJECTIVES

- a. Promote a culture of research and development among faculty and students
- b. Offer research-based M.Tech and PhD programs in different disciplines to create a pool of higher degree holders in the region
- c. Explore inter-disciplinary research to solve real-world problems especially in the local context
- d. Organize conferences, workshops and research forums to provide platform for the dissemination of research in the region
- e. Champion innovation, support creation of intellectual property and evangelize startups in the region

ACTION ITEMS

- a. Setup a Research Advisory Board comprising eminent researchers in different disciplines.
- b. Create a Central Research Center at MIET to help drive research-related activities across departments leading to interdisciplinary research.
- c. Setup inter-institutional research groups to take forward the agenda for research.
- d. Strategic hiring of faculty, industry specialists with proven research, development and innovation credentials.
- e. Setup a monitoring and tracking mechanism to ensure progress on the stated objectives.
- f. Undertake periodic review of the program to initiate required interventions and incorporate emerging research areas in the action plan.

Director Model Institute of Engineering & Technology JAMMU-181122