Forefront Areas at MITAOE

School	Forefront Area
Computer Engineering	1. Systems and Cloud Computing 2. Computational Intelligence 3. Computer Networks and Communications 4. Databases and Web Development
Electronics and Telecommunication	1. Signal & Image Processing 2. VLSI and Embedded System 3. Wired & Wireless Communication 4. Systems & Control
Mechanical Engineering	1. Flow Physics and Computation Engineering 2. Materials and Manufacturing System 3. Design, Development, and Deployment 4. Robotics and Automation
Civil Engineering	1. Structural Engineering 2. Geotechnical and Transportation Engineering 3. Construction Management 4. Environment and Water Resource Engineering
Chemical Engineering	1. Process Engineering 2. Reaction Engineering & Modeling 3. Advanced Separation Processes 4. Energy & Sustainability
Humanities & Engineering Sciences	Physics, Mathematics & Languages
Design	1. UI/UX 2. Communication Design 3. Product Design
CELT	1. Instructional Design and students' engagement (IDSE) 2. Assessment and Evaluation (AE) 3. Outcome-based Education (OBE) 4. Problem / Project-based learning (P2BL) 5. Technology-Driven Teaching-learning (TDTL) 6. Creative Learning (CL)
R & D	1. Innovative Research Applications 2. Product Development 3. AI/ML Applications in Research 4. Experimental Research 5. Optimisation 6. Software Applications in Research