

## **Term of Reference (TOR): Assistant Professor – Information Technology**

### **1. Position Details**

**Job Title:** Assistant Professor – Information Technology

**Reporting To:** Head, School of Information Technology (SIT)

**Contract Type:** Full-Time

**Number of Openings:** 5

**Areas of Specialization:** 1. Artificial Intelligence & Machine Learning

2. Full Stack Development

3. Cloud Computing & DevOps

4. Data Analytics & Business Intelligence

5. Cybersecurity & Ethical Hacking

6. Mobile App Development & UI/UX Design

### **2. Position Overview**

The Assistant Professor – Information Technology is responsible for delivering high-quality instruction, fostering applied research, and contributing to the academic and professional development of students. The role involves curriculum design, course delivery, mentoring, and active participation in departmental initiatives that align with the strategic goals of the Model Institute of Technology (MIT).

### **3. Key Responsibilities**

#### **3.1. Teaching and Learning**

Deliver engaging lectures and laboratory sessions in assigned IT specialization areas.

Develop and maintain updated course outlines, lesson plans, and instructional materials aligned with institutional and industry standards.

Evaluate student performance through assessments, projects, and practical tasks, providing timely and constructive feedback.

Incorporate project-based and experiential learning methods to enhance student engagement and employability skills.

#### **3.2. Academic Resource Development**

Prepare and maintain course files, including teaching materials, student assessments, and records.

Develop and recommend new lab exercises, projects, and case studies reflecting emerging technologies and industry trends.

Collaborate with the Head of School in periodic curriculum review and accreditation documentation.

### **3.3. Research and Professional Development**

Engage in research, innovation, and scholarly publications within the faculty's area of specialization.

Participate in seminars, workshops, and conferences to enhance academic and technical expertise.

Support the development of student research projects, capstones, and applied innovation initiatives.

### **3.4. Institutional Service and Community Engagement**

Contribute to departmental committees, academic events, and outreach activities.

Support industry collaboration initiatives, including internships, workshops, and guest lectures.

Participate in student advising, mentorship, and career guidance programs.

## **4. Required Qualifications and Experience**

### **4.1. Education**

Master's Degree (or higher) in Information Technology, Computer Science, or a related field from a recognized university.

PhD (preferred) or equivalent industry experience in the relevant area of specialization.

### **4.2. Experience**

Minimum 2 years of teaching or professional experience in higher education or related industry.

Demonstrated expertise in at least one of the listed specialization areas.

Experience in curriculum design, practical lab setup, or applied research will be an advantage.



#### **4.3. Skills and Competencies**

Technical Proficiency: Strong applied knowledge in one or more IT domains (e.g., AI, Cloud, Cybersecurity).

Pedagogical Excellence: Ability to teach using modern tools and active learning methods.

Research Orientation: Interest in publishing, supervising projects, and developing applied solutions.

Communication Skills: Strong written and verbal communication for effective instruction and collaboration.

Teamwork: Ability to collaborate with colleagues across disciplines and industry partners.

#### **5. How to Apply**

Interested candidates are requested to submit the following documents to the Human Resource Department at Model Institute of Technology (MIT), Baghbazar, Kathmandu:

- Cover Letter
- Completed Application Form
- Updated Curriculum Vitae (CV)
- Copy of Citizenship Certificate
- Copy of the Latest Academic Degree

**Applications may be submitted in person at the MIT HR Office or via email to:**  
**hr@mitnepal.edu.np**

#### **6. Equal Opportunity Statement**

Model Institute of Technology (MIT) is an equal-opportunity employer committed to creating a diverse and inclusive academic environment. We encourage applications from qualified candidates of all backgrounds, including women, minorities, and individuals with disabilities.