IOTrix: A National IoT Competition

Tagline: *Decode the Matrix, Recode the World*

About the Event

IOTrix is a premier national-level **IoT-Hackathon** that brings together the brightest university students of Bangladesh to showcase their talent in **Internet of Things (IoT)** through **hardware–software integration**. Participants will be challenged to engineer practical IoT solutions for pressing societal and industrial problems.

As a key event of our university's flagship program, **Televerse 1.0**, IOTrix highlights creativity, technical skills, and teamwork while showing how IoT can transform industries and society.

For the **first time in Bangladesh**, IOTrix adopts a **Shark Tank–style format** in its onsite finals. Teams will be given real-life problem statements in specific domains, along with essential components. The challenge is not only to **solve real-world problems with hardware and software** but also to **pitch their solutions to industrial experts**, just like in Shark Tank.

Judging will go beyond technical output—**presentation, clarity of thought, problem-solving approach, and innovation** will all play key roles. The best teams will have the chance to **work with industry experts**, making IOTrix a platform where students can transform their ideas into real industrial operations.

To support participants, a **pre-competition workshop** will also be held around **12 November 2025** (exact date to be announced). This workshop will help participants **understand the competition structure** and provide guidance on **how to take an IoT idea from a basic prototype to an industry-ready system**.

Competition Format

Phase 1: Online Preliminary Round

- Dates: **13–15 November 2025**

- Registration Fee: **৳200 per team**

- At most **30 teams** will qualify for the finals.

- **Format:** A 3-day online challenge where teams will design and demonstrate an **end-to-end IoT system** for a **real-life problem scenario**.

  - ❖ For example, a task could involve building a **restaurant management system** where smart devices handle **real-time ordering, secure communication, cloud-based dashboards, and inventory synchronization**.

Phase 2: Onsite Final Round

- Date: **21 November 2025**

- Venue: **CUET Campus**

- Time: **9:00 AM – 6:30 PM**

- Registration Fee: **৳3,000 per team**

- **Format:**

  1. **Equal Equipment Distribution** – All finalist teams will receive the **same set of essential hardware components**, ensuring a fair and level playing field.

  2. **System Development (9:00 AM – 4:00 PM, 7 Hours)** – Teams must **design and build their IoT prototype from scratch**, ensuring:
     - **Full hardware + software integration**
     - **Deployment aspects** such as cloud platforms, dashboards, or mobile applications

  3. **Pitching & Presentations (4:30 PM – 6:30 PM, 2 Hours)** – Each team will present their solution before a panel of **industrial judges**.
     - **Time per team:** 5 minutes to present their system and business case
     - **Focus:**
       - Why their solution is **innovative and scalable**
       - How it can move from **prototype to industrial production**
       - Why their approach stands out — in the style of **Shark Tank**

Prize Pool (৳1,30,000 Total)

- 1st Prize: ৳50,000

- 2nd Prize: ৳40,000

- 3rd Prize: ৳30,000

- CUET Rising Team Award: ৳10,000

✨ IOTrix, as part of **Televerse 1.0**, is more than a competition—it's a platform to **inspire innovation, empower students, and turn ideas into industrial reality.**