Memorandum of Understanding (MoU)

Indian
Institute of
Technology
Mandi

Between

Indian Institute of Technology Mandi (IIT Mandi) A research and educational institution of national importance established by a Special Act of the Parliament of the Republic of India, having its office at VPO Kamand, District Mandi, Himachal Pradesh, 175075, India, hereinafter referred to as "IIT Mandi," of the SECOND PART

तेजस्वि नावधीतमस्तु
BSATES EDTECH FOUNDATION

And

BSATES Edtech Foundation is a prominent organization in India which is ISO 9001:2015 & ISO 21001:2018 certified, committed to advancing technical and vocational education, especially among marginalized and underrepresented communities. Founded with a vision of empowerment through education, having its registered office at BSAITM Bhawan. Plot No. 13, Bodhella, Vikaspuri New Delhi - 110018, hereinafter referred to as "BSATES," of the FIRST PART

For

Summer Camp on Applied Robotics, AI, and IoT

1. Objective:

This Memorandum of Understanding (MoU) is made and entered into on this ⎵11⎵ day of ⎵March⎵, 2025, by and between IIT Mandi and BSATES with the purpose of conducting a Summer Camp on Applied Robotics, AI, and IoT for selected students. The camp aims to provide hands-on training and exposure in robotics, artificial intelligence, and the Internet of Things. The program focuses on practical learning, innovation, and technical skill-building, enabling students to work on real-world applications of robotics and AI.

2. Selection of Participants:

The program will enroll 400 students (12th pass & above) through PAN-India registration facilitated by BSATES Edtech Foundation. BSATES will handle the entire student selection process, ensuring wide participation from various regions across the country. There will be no screening test conducted by IIT Mandi.

The training will be a registration fee-based program, with students directly paying for their participation.

3. Training Module and Duration:

The training will last one month and will be divided into two phases:

Phase 1: Knowledge Sessions covering:

    A. Week 1: Introduction to Applied Robotics and Arduino Programming
    B. Week 2: Robot Assembly, Electrical & Mechanical Integration
    C. Week 3: Developing and Testing Autonomous Robots (Line-follower, Obstacle Avoidance, Wall-following)
    D. Week 4: AI and Machine Learning Applications for Robotics

Phase 2: Project-Based Learning:

    A. Students will develop their own robotics projects based on real-world challenges.
    B. Best projects will be selected based on innovation, technical execution, and problem-solving capabilities.

4. Certification:

All students participating in the training program will receive a joint certification from IIT Mandi and BSATES upon successful completion.

5. Expected Outcomes:

By the end of the program, students will:

- Have a strong foundation in robotics, AI, and IoT.
- Be proficient in Arduino programming, sensor integration, and robot assembly.
- Develop autonomous robots, including line-following and obstacle-avoidance bots.
- Gain hands-on experience in AI and ML applications in robotics.
- Acquire problem-solving skills for real-world robotics challenges.

6. Responsibilities of IIT Mandi:

- Provide technical expertise, resources, and faculty for conducting training.
- Develop curriculum based on industry and academic standards.
- Supervise and assess student projects.
- Organize the final competition for project presentations.

7. Responsibilities of BSATES:

- Facilitate student selection and nominations.
- BSATES will be responsible for mobilizing students from across India and ensuring their smooth transition to IIT Mandi for the program.
- Provide logistical and administrative support.
- Ensure funding and sponsorship support for training activities.
- Assist in outreach and promotion of the program.

8. Financials and Revenue Sharing Model:

- Course Fee per Student: ₹62,400/-
- Total Course Fee for 400 Students: ₹2,49,60,000/-

Revenue Distribution:

- 60% of the total collected revenue will go to CCE IIT Mandi.
- 40% of the total collected revenue will be retained by BSATES Edtech Foundation.

Payment Terms:

- Fees will be collected in the account of IIT Mandi.
- BSATES EdTech Foundation will raise an invoice for 40% of the total collected revenue after the successful completion of the program, upon which the agreed amount will be transferred.

9. Tentative Timeline:

- Program Planning & Outreach: 20th Feb – 30th April 2025
- Student Enrollment & Onboarding: 1st May – 30th May 2025
- Execution of Summer Camp at IIT Mandi: 5th June – 4th July 2025
- Review and Extension Possibility: Post 30th June 2025

10. Duration and Validity:

This MoU will be effective from the date of signing and will remain valid for the duration of the summer camp. Any extension or modifications must be agreed upon by both parties in writing.

11. Termination:

Either party may terminate this agreement with prior notice of 30 days in writing, subject to mutual discussion and agreement.

12. Signature:

IIT Mandi Representative:

Name: Tushar Jain

Designation: Head CCE

Date: 11.3.25

(Signature with Seal)

BSATES Representative:

Name: Dv. V. Dasgupta

Designation: Director

Date: 11/3/2025

(Signature with Seal)