

**CALL FOR UG (UNDERGRADUATE) FELLOWSHIP PROGRAM 2025 FOR TEXMiN-
IEST Shibpur MINING CPS COE**

GUIDELINES

Eligibility Criteria:

1. Applicants must be a student of Bachelor's degree in Mining, Mechanical, Electronics, Computer Science, or allied engineering branches at the IEST Shibpur.

Nature and Duration of Support:

1. **Scope of Support:** The TEXMiN- IEST Shibpur Mining CPS Centre of Excellence (CoE) will support individual researchers or research groups working exclusively at IEST Shibpur.
2. **Number of Fellowship:** Ten (10) numbers
3. **Fellowship Duration:** The fellowship duration is strictly Ten (10) months.
4. **Fellowship Amount:** ₹10,000 (Indian Rupees Ten Thousand only).
5. **Proposal Limit:** An applicant may submit only one proposal per call.

Selection of Application:

Selection will be based on the recommendations of a Fellowship Advisory Committee constituted by the competent authority.

Plagiarism:

1. Submitted proposals must present original ideas and content.
2. Plagiarism in any form will not be tolerated.
3. All proposals will undergo a similarity check, and anyone found to be plagiarized, will be rejected.

How to Apply:

Applicant should submit all the documents in a sealed envelope

To

Prof. Md. Mirajul Islam

TEXMiN Coordinator, TEXMiN-IEST Shibpur Mining CPS CoE


Assistant Professor, Mining Engineering

IEST Shibpur, Howrah, W.B.- 711103

Documents Required:

1. Complete proposal as per the format provided.
2. Declaration from Applicant and Mentor.

Last date for submission of the proposal is 30th June 2025.


20/06/25
Prof. Pratik Dutta
Dean, Research & Consultancy
Indian Institute of Engineering Science & Technology
Shibpur, Howrah-711 103, West Bengal, India



UG (Under Graduate) CALL FOR PROPOSAL FELLOWSHIP PROGRAM 2025 APPLICATION
For TEXMiN- IEST Shibpur Mining CPS CoE

1. **Project Title:**
2. **Student (Name, Department, Email id and Mobile Number):**
3. **Faculty Mentor Details:**
4. **Domain (Please indicate one):**
 - Monitoring and Tracking Technologies for Mines
 - Mine Safety using AI/ML and CPS Technologies
 - 4S Mining (Safe, Smart, Sustainable, and Social Mining)
 - Mineral Exploration, Processing, Extraction and Beneficiation (including innovative ideas involving Cyber-Physical Systems)
 - Critical and Rare Earth Minerals (from Exploration to Extraction)
 - Green Mining Innovations
5. **Executive Summary**
(With pictorial view of the expected prototype/design/Front-End, if possible) (Max 250 words, clearly write how your idea solves the real-world problem related to above mentioned domain)
6. **Objectives (2-3 bullet points):**
7. **Background (Max 500 words):**
8. **Significance/Need of the Project (Max 300 words):**
9. **Technology Gap (2-3 bullet points):**
10. **Genesis of CPS Development into your project:**
11. **Methodology (Max 1 page including flow chart etc.):**
12. **Deliverables/Outcomes (in bullet points):**

(Signature of Applicant)



DECLARATION

(To be submitted by an individual student working in the Product/Technology Development)

I _____, admission no. _____ son/daughter of _____ enrolled in the _____ (UG) program in the Department of _____, IEST Shibpur and working in the _____ lab of TEXMiN CoE at IEST Shibpur do hereby declare that-

1. I am interested in working in the Product/Technology Development Project entitled " _____ " under the mentorship of (Name of the mentor): _____ Designation : _____ Department/organization: _____
2. I shall access the facilities of Host Institution labs with due diligence and care, abiding by all the guidelines/instructions laid down by the centre.
3. I shall be responsible for any damage caused by me to the laboratory/infrastructural facility provided during the project.
4. I, hereby, grant an exclusive right over the Intellectual Property (IP) generated under the pilot project done by me to TEXMiN CoE.
5. I, hereby, agree to follow all the rules and regulations of TEXMiN CoE, including the IP Policy.
6. I, hereby, agree not to disclose, share, or publish any details, results, or findings of the project or any related intellectual property to any third party without the prior written consent of TEXMiN CoE. This confidentiality obligation will remain in effect even after the completion of the project.

Date: _____

Signature of Applicant: _____

Name of Applicant: _____

Signature of Mentor: _____

Name of Mentor: _____

