

## **TECHNOLOGY DEVELOPMENT (TD) PROJECT GUIDELINES**

### **Eligibility Criteria:**

1. **Applicants (Principal Investigator (PI) and Co-PIs):** At least one of the applicants (PI or Co-PIs) must belong to a Scheduled Caste (SC) or Scheduled Tribe (ST).
2. **Academic Position:** Applicants must hold a regular academic position at the **IIIT Manipur**.
3. **Qualification:** The PI and Co-PIs must hold a Ph.D. degree in Engineering or Science.

### **Nature and Duration of Support:**

1. **Scope of Support:** The TEXMiN-IIIT Manipur Mining CPS Centre of Excellence (CoE) will support individual researchers or research groups working exclusively at Host Institution.
2. **Project Duration:** The project duration is strictly two (02) years.
3. **Funding Limit:** The maximum funding provided for the entire project is ₹13 lakhs (Indian Rupees Thirteen Lakhs only).
4. **Proposal Limit:** An applicant may submit only one proposal per call as a PI.

### **Selection of Application:**

Selection will be based on the recommendations of a Program Advisory Committee constituted by the competent authority (Head of the Institute).

### **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 any found to be plagiarized will be rejected.

### **How to Apply:**

Applicant (PI) should submit all the required documents

**To**

**The office of IIIT Manipur-TEXMiN CPS COE,  
Mantripukhri, Imphal, India - 795002**

### **Documents Required:**

1. Complete proposal as per the format provided.
2. Biodata (Both PI and Co-PI).
3. Certificate from principal investigator.
4. If project is approved, the quotations of the approved equipment need to be submitted within a week of the date of the Approval letter.

**Last date for submission of the proposal is 30<sup>th</sup> August 2025.**

## PROJECT PROPOSAL FORMAT

TEXMiN (TD): eForm 1

1. **Project Title:**
2. **Funding Requested:**
3. **Project Objective (Vision Statement):** *(Please summarize in approximately 200 words)*
4. **Challenges Addressed by the Proposal:**
5. **Expected Outcomes and Deliverables:**
6. **Scope of Cyber-Physical Systems (CPS) Technology Development:** *(Please select applicable scope)*
  - ☐ Commercialized Products
  - ☐ Product/Solution Testing and Validation (Field-Scale Testing)
  - ☐ Proof of Concept (PoC) – Laboratory-Scale Testing
7. **Technology Readiness Level (TRL) Index:**
8. **Novelty and Relevance of Proposed Solution/Innovation:** *Describe how it advances the current state of knowledge in the mining, exploration, or energy sector, and how it may bridge the gap between national and global capabilities or enhance national advantage (1000 words).*
9. **Import Substitution Potential:** *If applicable, please explain how the solution aids in import substitution.*
10. **Methodology Outline:** *Provide a brief outline of the methodology to achieve each Objective/Deliverable.*
11. **Timeline & Milestones:** *Provide a time schedule and target milestones to achieve each objective/deliverable, including a bar chart or PERT chart (in months).*
12. **Sustainability Promotion:** *Explain how the proposed solution promotes sustainability.*
13. **Risk Management:** *Provide a risk management plan to address potential technical, financial, or operational risks.*
14. **Industry Benefits:** *Describe how the proposed project benefits the industry.*
15. **Commercialization Plan for the Proposed Solution:**
16. **Proposed Outlay Details (INR Lakhs):** *Funding Allocation Breakdown*

**17. Justification for equipment procurement:**

Sl. No.	Head	Year-wise Outlay (Rs.)		Total Outlay (Rs.)
A	Capital	1 <sup>st</sup> Year	2 <sup>nd</sup> Year	Total
A1	Equipment			
	<b>Total capital</b>			
B	<b>Revenue expenditure</b>			

B1	Salaries/allowance			
B2	Travel (TA/ DA)			
B3	Other costs			
	(a) Contingency			
	(b) Consumables			
	<b>Total (other costs)</b>			
	<b>Total Revenue</b>			
C	Institute Overhead (@10% of Total Revenue Expenditure)			
D	Total Cost (A+B+C)			
E	<b>Total Outlay</b>			

- a. **Justification for Manpower Allocation:**
- b. **Justifications for other associated costs:**
- c. **Justifications for Travel & Transportation Expenses:**

17. **Any other relevant information:** (*Diagram, Chart & Writeup*)



## CERTIFICATE FROM THE PRINCIPAL INVESTIGATOR

### Project Title:

I/We hereby agree to fully comply with the terms and conditions associated with the Grant.

1. I/We confirm that this proposal has not been submitted elsewhere for financial support.
2. I/We have thoroughly ensured that the necessary basic facilities, as outlined in the proposal, will be made available when required for the execution of the project.
3. I/We undertake not to request financial support for the procurement of items that are already available at the host institute.
4. I/We acknowledge that the technology developed and/or intellectual property generated during the project will be owned in accordance with the guidelines set forth by the Department of Science and Technology (DST) for the Technology Innovation Hub, TEXMiN at IIT (ISM) Dhanbad.
5. I/We undertake that any equipment purchased, or facilities created under this project will be the property of the TEXMiN.
6. I/We have enclosed the following Documents as attachments for your reference:

Attachments:	Tick Mark (Yes/No)
Soft copy of the project proposal in the form of (eForm 1)	(Yes/No)
Plagiarism report of the project proposal	(Yes/No)
Endorsement from the Head of Institution/Organization (eForm 2)	(Yes/No)
Consent from Industry as Co-Implementing agency (eForm 3)	(Yes/No)
Any other supporting document	(Yes/No)

(Name & Signature)

Principal Investigator

Designation/Position

Institution/Organization Name

Date:

Place:



## ENDORSEMENT FROM THE HEAD OF THE INSTITUTE/ORGANIZATION

Certified that the Institute/Organization hereby nominates the participation of ..... as the Principal Investigator and ..... as the Co-Principal Investigator/Co-Investigator for the project titled..... and assumes full responsibility for the proper execution and management of the project.

Further certified that the Institute/Organization will provide all the basic facilities as outlined in the project proposal, along with the necessary administrative support, as per the terms and conditions of the grant, for the entire duration of the project.

**(Name & Signature)**

Head of the Institution / Authorized Representative

Designation/Position

Institution/Organization Name

Date:

Place: