



BIT Mesra – Interdisciplinary Research Clusters (BIRCs)

Project / Cluster Proposal Submission Form
(To be submitted to: Office of Research / DRIE, BIT Mesra)

Section A: General Information

- 1. Title of the Research Cluster (BIRC):**
- 2. Thematic Area:**
 - Advanced Manufacturing & AI/ML Generative Materials Design
 - AI, Data Science & HPC
 - Energy & Sustainability
 - Water, Environment & Climate Resilience
 - Biodesign, Bioprocess, Computational Biology, MedTech & 3D Bioprinting
 - Smart Infrastructure & IoT
 - Robotics, Automation & Control
 - Defence, Space, Remote Sensing & Strategic Technologies
 - Cybersecurity, Blockchain & Trusted Systems
 - Management, Innovation & Entrepreneurship
 - Humanities, Policy & Technology Studies
 - High-Speed Digital Data Communication & Antenna Systems
 - AI-Guided Design of APIs (Active Pharmaceutical Ingredients)
 - Other (please specify):

3. Broad Area: _____
Sub-Area / Theme: _____
(Example: Life Sciences → AI-guided Drug Discovery & API Design)

4. Proposed Cluster Duration:

- 1 Year
- 2 Years (Maximum)

5. Total Budget Requested (₹):

- ₹50 Lakhs
- ₹75 Lakhs

₹1 Crore
 Other (specify): ₹_____

Section B: Theme Leader (Cluster Head)

- Name: _____
- Designation: _____
- Department/Centre: _____
- Email: _____
- Mobile: _____
- ORCID/Scopus ID (if any): _____

Major External Grants in Last 5 Years (brief):

Section C: Core Faculty Members (Minimum 4, Interdisciplinary)

Sl. No.	Name	Department	Role in Cluster	Email
1				
2				
3				
4				
5				
6				
Additional (if any)				

Section D: Background & Rationale (Max 1 Page)

- Scientific/technical background of the cluster theme
- National and global relevance
- Alignment with BIT Mesra strategic priorities

(Attach as Annexure if required)

Section E: Objectives & Key Research Questions

List 3–6 specific, measurable objectives:

1. _____
2. _____
3. _____
4. _____
5. _____

Section F: Work Packages & Milestones

Provide major work packages and timelines:

Work Package Description	Lead Faculty	Timeline	Key Deliverables
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WP1

WP2

WP3

WP4

Section G: Expected Outputs & Deliverables

(Provide quantitative targets)

Section H: Translational & Societal Impact

- Industry relevance / commercialization potential**
- Startup / IP creation potential**
- Societal / policy impact**
- Alignment with national missions**

Section I: External Funding & Sustainability Plan

- Target funding agencies (DST, DBT, SERB, DRDO, ICMR, BIRAC, MeitY, Industry, etc.):**
- Plan to sustain the cluster beyond BIRC funding:**

Section J: Facilities & Infrastructure

- Existing facilities to be used**
- New equipment proposed (if any)**
- Shared facility plan**

Section K: Budget Summary (Indicative)

Head	Amount (₹)	Justification
Equipment		
Consumables		
Software/Databases		
Testing/Characterization		
Travel (Project/Industry)		
Contingency		
Manpower		

Head	Amount (₹)	Justification
Total		

Section L: Compliance & Declarations

- No manpower support is requested under BIRC funding. Yes
- The project is interdisciplinary in nature. Yes
- The team agrees to annual review and performance reporting. Yes

Signatures

Theme Leader:

Name & Signature: _____ Date: _____

All Core Faculty Members:

(Attach signed consent sheet)

For Office Use Only

- Proposal ID: _____
- Date of Receipt: _____
- Review Committee Remarks: _____
- Approved Budget: _____
- Approval Authority: _____