EXPRESSION OF INTEREST (EOI)

Selection of Agency for Curriculum Design, Content Development and Video Production

Foundation and Advanced Bootcamps | Classes VI–XII

Issued by:
I-Hub Foundation for Cobotics (IHFC)
Technology Innovation Hub of IIT Delhi,
IIT Delhi, New Delhi – 110016

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1. Background

I-Hub Foundation for Cobotics (IHFC), established by IIT Delhi under the National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS), Department of Science and Technology (DST), Government of India, is a Technology Innovation Hub focused on advancing research, innovation, skill development and capacity building in emerging technologies.

The programme (School Hackathon) seeks to provide structured academic and practical learning opportunities to students from Classes VI to XII through Foundation and Advanced Bootcamps.

In this regard, IHFC invites Expressions of Interest from eligible organisations, academic institutions, EdTech companies and professional content-development agencies with demonstrated capabilities in curriculum development, technology education, instructional video production and digital learning resources.

2. Objectives of the Engagement

The primary objectives are:

1. Develop a structured, age-appropriate academic framework for the Foundation and Advanced Bootcamps.
2. Build students' understanding of emerging technologies, including Artificial Intelligence, coding, computational thinking and web development.
3. Develop Curriculum Design, Content Development and instructional videos and supporting academic resources for all three student categories.
4. Promote experiential learning, innovation, creativity and application-oriented problem-solving.
5. Create reusable digital learning resources to support the Hackathon and future learning initiatives.

3. Programme Coverage

The engagement will cover three student categories across two bootcamp levels.

Category	Classes	Bootcamp levels
Innovator	VI–VIII	Foundation and Advanced
Emerging	IX–X	Foundation and Advanced
Advanced	XI–XII	Foundation and Advanced

Each category and bootcamp combination will comprise eight sessions of 60 minutes each.

Overall programme coverage:

- 3 student categories
- 2 bootcamp levels
- 6 academic packages
- 8 sessions per package
- 48 instructional hours in total

4. Scope of Work

The selected agency will undertake end-to-end academic content development and instructional video production.

4.1 Academic Content Development

The scope shall include:

- Development of curriculum overviews and academic frameworks.
- Mapping of prescribed topics to individual sessions.
- Session-wise academic planning and content sequencing.
- Development of detailed lesson plans.
- Preparation of instructional content and video scripts.
- Development of examples, case studies and practical demonstrations.
- Preparation of presentation decks.
- Development of supporting handouts and concept notes.
- Preparation of worksheets, exercises and guided activities.

4.2 Instructional Video Production

The selected agency shall undertake:

- Production planning and recording preparation.
- Recording of instructional videos and demonstrations.

- Screen-based demonstrations and visual explanations.
- Development and integration of relevant graphics and animations.
- Audio processing and video editing.
- Post-production and quality checks.
- Finalisation and submission of approved instructional videos.

4.3 Category-Specific Academic Approach

A. Innovator – Classes VI–VIII

- Introduction to innovation and computational thinking.
- Foundational understanding of Artificial Intelligence.
- Beginner-level digital tools and coding.
- Visual demonstrations and relatable examples.
- Guided learning activities.

B. Emerging – Classes IX–X

- Structured problem-solving approaches.
- Introductory programming and coding.
- Artificial Intelligence applications.
- Web development concepts.
- Practical applications of digital technologies.

C. Advanced – Classes XI–XII

- Deeper technical concepts.
- Applied Artificial Intelligence.
- Programming and web-based solutions.
- Practical demonstrations.
- Technology applications for identifying and addressing real-world problems.

The Foundation Bootcamp shall establish conceptual clarity and foundational technical knowledge, while the Advanced Bootcamp shall focus on deeper technical understanding, practical applications and solution development.

5. Key Deliverables

The selected agency shall submit the following deliverables:

S. No.	Deliverable	Expected output
1	Curriculum framework	Curriculum overview and session-wise mapping
2	Lesson plans	Detailed lesson plans for all sessions
3	Instructional videos	48 hours of video content
4	Presentation decks	Session-wise editable PPTs

5	Supporting handouts	Concept notes and reference materials
6	Worksheets	Exercises and application-based activities

All deliverables shall be organised into six academic packages, corresponding to the three categories and two bootcamp levels.

6. Implementation Timeline

The proposed implementation period is approximately **eight weeks** from the commencement of the project. The indicative phases are:

Phase	Key activities
Phase 1	Academic planning and curriculum mapping
Phase 2	Instructional content development and scripting
Phase 3	Lesson plans, presentations and supporting resources
Phase 4	Instructional video production and post-production
Phase 5	Academic review, quality assurance and revisions
Phase 6	Finalisation and submission of deliverables

The detailed implementation schedule will be finalised in consultation with IHFC.

7. Eligibility Criteria

Interested organisations should preferably meet the following eligibility requirements:

1. Be a legally registered entity in India, such as a company, LLP, registered society, trust or academic institution.
2. Have demonstrable experience in academic content development, curriculum design, digital learning or instructional video production.
3. Have experience in developing educational resources for school students, preferably Classes VI–XII.
4. Demonstrate expertise in at least two of the following areas:
    - Artificial Intelligence and emerging technologies.
    - Coding and computational thinking.
    - Computer science and digital literacy.
    - Web development and programming.
    - Curriculum and instructional design.
    - Educational video production.
5. Have access to qualified academic experts, subject matter specialists, instructional designers and video-production professionals.
6. Demonstrate the capacity to undertake and complete the proposed engagement within the stipulated timeline.

IHFC may seek supporting documents and additional information to establish the eligibility and capabilities of applicants.

8. Documents to be Submitted

Interested organisations shall submit the following:

1. Organisation profile and registration details.
2. Brief overview of relevant experience and expertise.
3. Details of similar projects undertaken, preferably in school education and emerging technologies.
4. Profiles of key academic experts and project team members.
5. Samples or links to previously developed similar academic content.
6. Proposed technical approach and methodology.
7. Indicative implementation plan and timeline.
8. Financial proposal, including applicable taxes.
9. Details of relevant certifications, institutional affiliations or recognitions, wherever applicable.
10. Declaration confirming the accuracy of information submitted.

9. Selection and Evaluation Process

The selection process may involve the following stages:

Stage 1 – Preliminary Screening

Verification of organisational credentials, eligibility and completeness of the submitted EOI.

Stage 2 – Technical Evaluation

Assessment of:

- Relevant organisational experience.
- Experience in academic content and curriculum development.
- Expertise in Artificial Intelligence, coding and emerging technologies.
- Quality of previously developed educational videos and learning resources.
- Qualifications and experience of the proposed project team.
- Proposed methodology and implementation approach.

Stage 3 – Presentation / Demonstration

Shortlisted applicants may be invited to present their proposed approach, demonstrate sample content and explain their execution capabilities before the evaluation committee constituted by IHFC.

Stage 4 – Commercial Evaluation

Financial proposals of technically qualified applicants may be evaluated in accordance with the selection methodology and terms approved by IHFC.

IHFC reserves the right to seek clarifications, negotiate the scope and commercials, and select the most suitable organisation based on its technical and commercial requirements.

Stage-5: Quality & Cost Based Selection (QCBS)

Only bidders qualifying in the technical evaluation stage, as determined by IHFC, shall be considered for financial evaluation. The QCBS weightages are:

Component	Weightage
Technical Evaluation	75%
Financial / Commercial Evaluation	25%

10. Submission of EOI

Interested organisations are requested to submit their EOI along with the required documents and sample of the work in electronic format.

Submission Email: piyush@ihfc.co.in

Subject Line: EOI – Academic Content Development and Video Production – School Hackathon

Last Date and Time: 9th November 2026

The EOI shall be signed by an authorised representative of the organisation.

11. General Terms and Conditions

1. Submission of an EOI shall not confer any right to selection or award of work.
2. IHFC reserves the right to accept or reject any or all applications without assigning any reason.
3. IHFC may modify, amend or cancel the EOI process at any stage.
4. Shortlisted organisations may be required to provide additional information or participate in presentations and discussions.
5. The final scope of work, commercials, payment milestones and delivery schedule shall be mutually agreed upon and incorporated into a formal Work Order or Agreement.
6. All deliverables shall be subject to academic review and approval by IHFC.
7. Intellectual Property Rights: IHFC shall retain perpetual, irrevocable, worldwide and royalty-free rights to use, reproduce, modify, adapt, publish and distribute all project-funded deliverables, including for its future academic, educational, research and training programmes, without any restriction
8. Intellectual property rights and usage permissions for the final deliverables shall be governed by the definitive agreement between IHFC and the selected agency.
9. The selected agency shall maintain confidentiality of all programme-related information.

10. The selected agency shall ensure that all content, media and resources used in the deliverables are original or appropriately licensed.
11. Any additional scope beyond the approved engagement shall require prior written approval from IHFC.

12. Disclaimer

This EOI is an invitation for interested organisations to express their interest and demonstrate their capabilities. It does not constitute a commitment by IHFC to award any contract or incur any expenditure.

The final engagement shall be subject to the approval of IHFC and execution of a formal agreement or Work Order.