



iHub-AWaDH
<https://ihub-awadh.in>



**Indian Institute of Technology
Ropar – Technology and
Innovation Foundation**
for Agriculture and Water Technology
Development Hub (AWaDH)
CIN: U80100PB2020NPL051623

E-mail: awadh@iitrpr.ac.in
Contact No: 01881 – 232601

A **Technology Innovation Hub** established
by the Department of Science & Technology
(DST), Government of India, in the
framework of National Mission on
Interdisciplinary Cyber-Physical Systems
(NM – ICPS)

Address: 316/317, M.Visvesvaraya Block
Indian Institute of Technology Ropar, Punjab

Date: 11.03.2026

TO WHOM IT MAY CONCERN

This is in regard to the proposed collaboration between **IIT Ropar – Technology and Innovation Foundation (iHub – AWaDH)** and the **University of Kashmir** for the establishment of the **IIT Ropar Cyber Physical Systems (CPS) Lab & Innovation Hub Powered by NM-ICPS at the University of Kashmir, Hazratbal, Srinagar, Jammu & Kashmir.**

As per the proposed collaboration framework, the total cost for establishing the lab and innovation hub is **₹1,00,00,000 (Rupees One Crore Only).**

Accordingly, the **University of Kashmir is requested to transfer ₹1,00,00,000/- (Rupees One Crore Only) in advance to IIT Ropar – Technology and Innovation Foundation (iHub – AWaDH)** for the establishment and implementation of the CPS Lab & Innovation Hub.

As this is an **MoU-based institutional collaboration, no taxes are applicable on the contribution amount.**

Bank Details:

Account Name: IIT ROPAR TECH AND INNOVATION FOUNDATION

Bank Name: State Bank of India

Branch: IIT Ropar, IIT Main Campus, Birla Farm, Rupnagar, Punjab – 140001

Account Number: 39580766745

IFSC Code: SBIN0013181

MICR Code: 140002008

We look forward to your cooperation in ensuring the successful establishment of the CPS Lab & Innovation Hub.

Warm regards,



Chief Executive Officer
TIF-AWaDH
IIT Ropar

Dr. Radhika Trikha

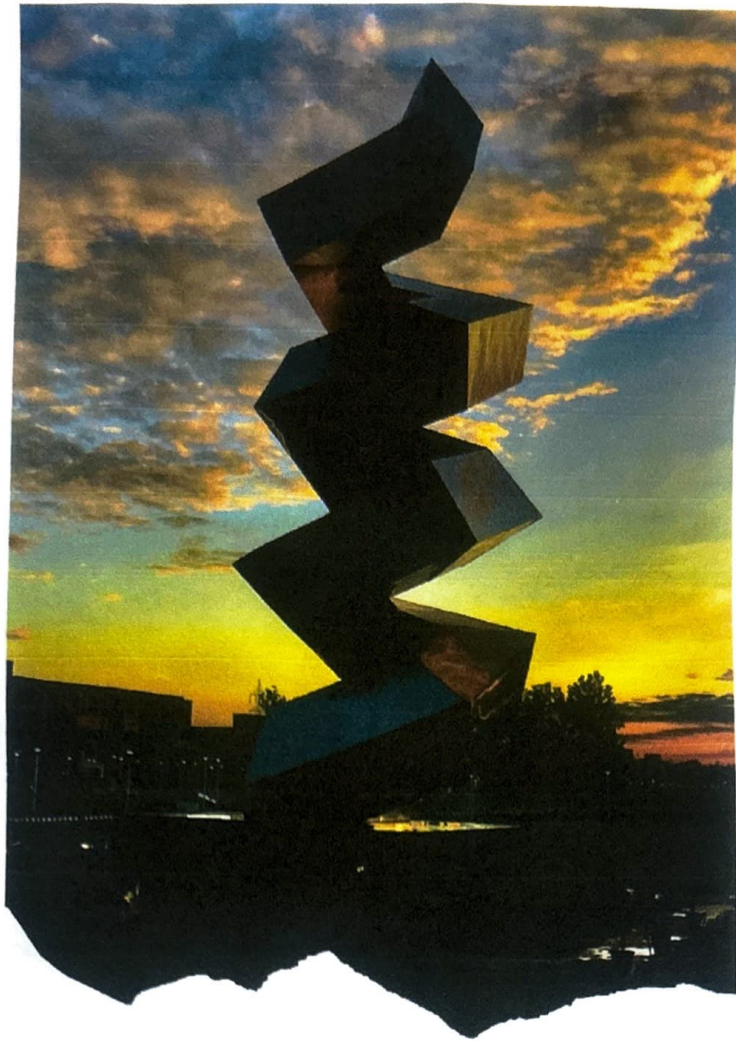
Chief Executive Officer

IIT Ropar – Technology and Innovation Foundation (iHub – AWaDH)

Email: ceo@ihub-awadh.in

IIT Ropar Technology and Innovation Foundation (AWaDH)

Address: 316/317, M.Visvesvaraya Block Indian Institute of Technology Ropar, Punjab ; w: <https://ihub-awadh.in>



Memorandum of Understanding



IIT ROPAR TECHNOLOGY AND
INNOVATION FOUNDATION AWADH

<http://www.ihub-awadh.in>



UNIVERSITY OF KASHMIR

<https://www.kashmiruniversity.net>

This Memorandum of Understanding (“MoU”) is executed on this 11th day of March 2026, between:

IIT Ropar – Technology and Innovation Foundation, a Section 8 Company registered under the Companies Act 2013 with CIN U80100PB2020NPL051623, having its registered address at IIT Ropar (hereinafter referred to as “**IIT Ropar - TIF / AWaDH**”, which expression shall, unless repugnant to the context, include its successors and permitted assigns)

AND

University of Kashmir, Hazratbal, Srinagar – Jammu & Kashmir (hereinafter referred to as “**University of Kashmir / Host Institute**”, which expression shall, unless repugnant to the context, include its successors and permitted assigns)

IIT Ropar TIF / AWaDH and the University of Kashmir are hereinafter individually referred to as a “**Party**” and collectively as the “**Parties.**”

1. Background

1.1 IIT Ropar - TIF/AWaDH is a national Technology Innovation Hub established under the Department of Science & Technology (DST), Government of India, as part of the National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS), with a mandate to promote research, innovation, entrepreneurship, and skilling in Cyber-Physical Systems (CPS).

1.2 The University of Kashmir is a premier public university serving as a key academic and research institution in the Union Territory of Jammu & Kashmir.

1.3 Based on the proposal titled “**IIT Ropar Cyber Physical Systems Lab & Innovation Hub Powered by NMICPS at University of Kashmir**”, the Parties agree to collaborate for the establishment of the CPS Lab & Innovation Hub with a total approved outlay of **₹1.00 Crore (Rupees One Crore only)**.

2. Purpose of the MoU

2.1 The purpose of this MoU is to establish a framework for collaboration between the Parties for setting up, operating, and sustaining the IIT Ropar CPS Lab & Innovation Hub Powered by NMICPS at the University of Kashmir.

2.2 This MoU defines the scope of collaboration, roles and responsibilities of the Parties, governance structure, financial commitments, intellectual property arrangements, and operational modalities.

3. Scope of Collaboration

3.1 The Parties shall collaborate to establish and operationalise an IIT Ropar CPS Lab at the University of Kashmir.

3.2 The collaboration shall include joint research and technology development in CPS, IoT, AI, agriculture, water, climate resilience, and allied domains.

3.3 The Parties shall jointly conduct skilling programs, training, faculty development programs, certification courses, and outreach initiatives.

3.4 The collaboration shall include innovation support, startup incubation linkage, entrepreneurship development, and industry engagement.

4. Establishment of IIT Ropar CPS Lab & Innovation Hub

4.1 The CPS Lab shall be established within the University of Kashmir campus and shall be branded as **“IIT Ropar Cyber Physical Systems Lab & Innovation Hub – Powered by NM-ICPS.”**

4.2 The CPS Lab shall function as a shared facility for:

- (a) hands-on training and skill development;
- (b) prototyping, testing, and validation of CPS solutions;
- (c) faculty-led and student-led research projects; and
- (d) innovation and entrepreneurship activities.

4.3 The CPS Lab shall operate under a hub-and-spoke model wherein IIT Ropar-TIF/AWaDH provides national-level technical mentorship, ecosystem access, and governance support.

5. Objectives of the IIT Ropar CPS Lab & Innovation Hub

5.1 The objectives of the CPS Lab & Innovation Hub shall include:

- (a) establishment of advanced CPS research infrastructure in the J&K region;
- (b) promotion of applied and translational research;
- (c) fostering student innovation, startups, and faculty entrepreneurship;
- (d) strengthening industry–academia–government collaboration; and
- (e) development of skilled human resources aligned with national priorities.

6. Infrastructure & Financial Commitments

6.1 The total approved financial outlay for the establishment of the CPS Lab shall be **₹1.00 Crore**.

6.2 IIT Ropar-TIF shall be responsible for:

- (a) technical design, specifications, and guidance;
- (b) support for procurement, installation, and commissioning;
- (c) academic expertise, curriculum design, and training modules;
- (d) conduct of initial faculty and student training programs; and
- (e) facilitation of NM-ICPS, industry, and ecosystem linkages.

6.3 The University of Kashmir shall be responsible for:

- (a) providing dedicated physical space for the CPS Lab;
- (b) ensuring availability of furniture, power, internet/Wi-Fi, and safety infrastructure;
- (c) operation and routine maintenance of the CPS Lab;
- (d) facilitating participation of faculty, students, and researchers; and
- (e) bearing local hospitality and logistical arrangements for visiting IIT Ropar TIF teams.

7. Governance & Management

7.1 A Joint Execution Committee (JEC) shall be constituted with representatives from both Parties.

7.2 The JEC shall oversee strategic planning, activity implementation, financial utilisation, and performance review.

7.3 The JEC shall meet at least twice in a calendar year.

8. Skilling, Training & Outreach

8.1 The Parties shall jointly organise CPS training programs, workshops, certification courses, and faculty development programs.

8.2 Annual hackathons, innovation challenges, and industry–academia interaction programs shall be conducted.

8.3 Outreach activities shall extend the benefits of the CPS Lab to nearby academic institutions, startups, and innovators.

8.4 A CPS & IoT Student Club shall be established at the University of Kashmir under faculty coordination.

9. Intellectual Property & Commercialisation

9.1 Intellectual Property generated under this MoU shall be jointly owned by the Parties, unless otherwise agreed in writing.

9.2 IP protection, filing, licensing, and commercialisation shall be governed by mutually agreed IP policies.

9.3 Third-party or industry collaborations utilising CPS Lab infrastructure shall require prior written approval of both Parties.

10. Revenue Sharing & Sustainability

10.1 Jointly conducted training and skilling programs shall follow a **50:50 revenue-sharing model**, after deduction of agreed direct expenses.

10.2 The Parties shall jointly pursue sustainability through grants, industry-sponsored research, and program revenues.

11. Duration & Termination

11.1 This MoU shall be valid for **Three (3) years** from the date of execution.

11.2 The MoU may be extended by mutual written consent.

11.3 Either Party may terminate this MoU by giving three (3) months' written notice.

12. Governing Law & Dispute Resolution

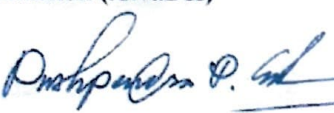





12.1 This MoU shall be governed by the laws of India.

12.2 Any dispute shall be resolved amicably through mutual consultation.

13. Amendments

13.1 Any amendment shall be made only through a written instrument signed by both Parties.

14. Signatures

<p>For IIT Ropar – Technology and Innovation Foundation (AWaDH)</p>   <p>Signature: _____ Name: Dr Pushpendra Pal Singh Designation: Dean CAPS, Project Director IIT Ropar - TIF & AI COE - Annam.AI Date: 11.03.2026</p>	<p>For University of Kashmir</p>  <p>Signature: _____ Name: Prof. M. Tariq Baidar Designation: Dean & Director Date: 11.03.2026 DIRECTOR Institute of Technology (IOT) University of Kashmir Srinagar</p>
<p>For IIT Ropar – Technology and Innovation Foundation (AWaDH)</p>   <p>Signature: _____ Name: Dr Radhika Trikha Designation: CEO, IIT Ropar - TIF Date: 11.03.2026 Chief Executive Officer TIF-AWADH IIT Ropar</p>	<p>For University of Kashmir</p>  <p>Signature: _____ Name: Prof. Naseer Iqbal Designation: Reg. Registrar Date: 11.03.2026 University of Kashmir Hazratbal, Srinagar.</p>