



विज्ञान एवं प्रौद्योगिकी विभाग
DEPARTMENT OF
SCIENCE & TECHNOLOGY



**NATIONAL MISSION ON
INTERDISCIPLINARY CYBER-PHYSICAL
SYSTEMS (NM-ICPS)**



Quarterly Bulletin
Oct 2025 - Dec 2025

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IHUB Drishti Foundation, IIT Jodhpur

● Hub Overview

The TIH on Computer Vision, Augmented and Virtual Reality, named as iHub Drishti Foundation focuses on the core research areas of Seeing and Sensing, Dependability, Real-time Computer Vision Systems, and Data Collection, Curation, and Annotation. The hub has identified the following application areas for developing technologies: Computer Vision for Autonomous Systems; Computer Vision for Better Living: Healthcare and Biosphere; Imaging for Document Analysis; CV and VR for Industry 4.0; Dependable AR-VR for X (including games).

● Project Updates

Chronicles of Kiradu:

Chronicles of Kiradu is an educational–adventurous 3D puzzle game inspired by the ancient Kiradu Temples of Rajasthan, designed to immerse players in India’s rich cultural heritage through interactive storytelling and exploration. A functional prototype has been developed featuring a cinematic introduction, time-travel transition via a sundial, exploratory temple environments, inventory-based relic systems, and multiple heritage-inspired puzzles.

Cellverse Pvt. Ltd - AI based 3D Bio Printing

Cellverse is a deep Med-tech-based startup developing next-generation, human-relevant platforms for preclinical research. The company works at the intersection of tissue engineering, 3D bioprinting, and AI to create ethical, data-driven alternatives to traditional animal testing.

● Outreach Initiatives

Coorganization of Computer Vision & Image Processing (CVIP) 2025



CVIP-2025 (Dec 10–13, 2025) at IIT Ropar was co-organised by iHub-Drishti Foundation. It provided a strong platform for iHub Drishti to showcase its work, learn from global experts, and expand professional networks.

Organisation of “AI in spatial computing workshop in conjunction with PREMI 2025”



The AI in Spatial Computing: AR/VR, Metaverse workshop, held on December 11, 2025 in conjunction with PReMI 2025 at IIT Delhi, convened researchers, innovators, startups, and industry practitioners to explore the transformative intersection of Artificial Intelligence and Spatial Computing. A distinct lab-to-market emphasis was embedded through the Start-up Pitch segment, where early-stage innovators and prototype teams presented their ideas and minimal viable products for real-world translation.

Strategic verticalization: Focused on Industry 4.0 Vision-Based Autonomous Systems and Extended Reality (XR) to strengthen domain depth and lab-to-market translation. VAS CFP launched: Targeted TRL ≥ 4 technologies with IP, prototypes, and commercialization focus, promoting industry-inspired projects and startup creation. Gen-XR CFP introduced: AI-powered XR platforms, no-code/low-code tools, and generative content pipelines for scalable adoption and industry deployment. PRAGATII 2.0 launched: Industry-driven problem statements in 3D vision, XR for Industry 5.0, and Gen-AI for XR, accelerating collaborative innovation.

