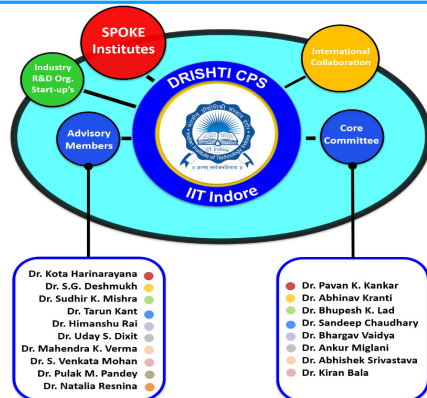


# IIT Indore secures 100 Crore funding for establishing a Technology Innovation Hub

## **DRIVING INNOVATION THROUGH SIMULATION HUB FOR TECHNOLOGIES IN INTERDISCIPLINARY-CPS (DRISHTI-CPS)**



**DST, GOVT. OF INDIA HAS GRANTED RS. 100 CRORE FOR BUILDING A TECHNOLOGY INNOVATION HUB FOR SYSTEM SIMULATION, MODELLING AND VISUALISATION**

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



In a major boost to Madhya Pradesh and central India, the Department of Science and Technology has sanctioned INR 100-crore grant for establishing a Technology Innovation Hub (TIH) on System Simulation, Modelling and Visualization aspects of Cyber-Physical Systems (CPS) at IIT Indore. The externally funded grant, maximum in the 11 years of existence of the Institute, was an outcome of a rigorous evaluation of the proposals received in response to the call for proposals under National Mission on Interdisciplinary Cyber Physical Systems (NM-ICPS). IIT Indore's proposal, driving Innovation through Simulation Hub for Technologies in Interdisciplinary Cyber Physical System, (DRISHTI-CPS), was put together by a core interdisciplinary team of 8 faculty members: Dr. Pavan Kumar Kankar, Dr. Bhupesh Kumar Lad, Prof. Abhinav Kranti, Dr. Abhishek Srivastava, Prof. Sandeep Chaudhary, Dr. Ankur Miglani, Dr. Bhargav Vaidya and Dr. Kiran Bala. The core team was ably supported by domain experts both within and outside the institute. In addition to this, DRISHTI-CPS is benefiting from advice by an eminent panel of very competent and accomplished experts.

Most modern systems today have a digital presence, in addition to being extensively interconnected via Internet of Things (IoT) deployments. Such systems, popularly known as CPS, are capable of taking autonomous decisions using data analytics and artificial intelligence. There has been a rapid proliferation of CPS in the lives of human beings.

Dr. Pavan Kumar Kankar said “TIH at IIT Indore plans to lead in skill enhancement, technology development, and product commercialization in the domain of Cyber Physical Systems. The overarching objective of the proposed hub is to create an ecosystem that supports the development and commercialization of technologies facilitating modelling, simulation, and visualization of CPS. This objective will be achieved in the true sense when a self-sustaining system is created over a period of time that supports R&D projects, patenting, licensing, and commercialization, incubation of start-up companies and spin-offs, and initiation of joint projects with the industry.”

IIT Indore hub would contribute directly to the development of skilled human resources by organizing knowledge sharing and training activities that would include but not be limited to industry driven courses (executive development programs, continuing education programs), hands-on training, webinars, events, workshops, grand challenges, conferences, hackathons, online courses and tinkering activities. The TIH will support and be along the lines of flagship initiatives of the Government of India such as Skill India (SI), Make in India (MII), Prime Minister’s Employment Generation Program (PMEGP), Start-up India and the recently coined Atmanirbhar Bharat.

This achievement was lauded by Prof. Deepak B. Phatak, Chairman of IIT Indore Board of Governors, and Prof. Neelesh Kumar Jain Director (Officiating) during BoG meeting held on 7 Aug 2020.