



विज्ञान एवं प्रौद्योगिकी विभाग
DEPARTMENT OF
SCIENCE & TECHNOLOGY



Draft Agenda

CYBER-PHYSICAL SYSTEMS (CPS) SUMMIT

Under

INDIA MOBILE CONGRESS 2025 (IMC 2025)

At

**India International Convention and Expo Centre (IICC), Yashobhoomi, New
Delhi**

Date: 9th October 2024

Venue:

Executive Summary

Department of Science & Technology (DST), Government of India is implementing the National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS). As part of the Mission implementation, 25 Technology Innovation Hubs (TIHs) have been established in reputed institutes across the country in advanced technologies like AI/ ML, AR/ VR, Robotics, Cyber security etc.

NM-ICPS is in line with high aspirations that offer a strategy to make India a leading player in CPS technologies. NM-ICPS is a comprehensive Mission aimed at complete convergence with all stakeholders by establishing strong linkages between academia, industry, Government and International Organizations.

The Mission has four major activities i.e. 1. Technology Development, 2. Human Resource & Skill Development, 3. Innovation, Entrepreneurship & Start-Up Ecosystem and 4. International Collaborations.

Building on this strong foundation, NM-ICPS has steered the world's first government-funded multimodal, multilingual Large Language Model (LLM) initiative BharatGen: A Suite of Generative AI Technologies for India.

BharatGen is world's first government-funded Multimodal Multilingual Large Language Model (LLM) project, aimed at creating inclusive AI technologies across 22 Indian languages. By integrating text, speech, and images, BharatGen is developing AI solutions tailored to India's diverse cultural and industrial landscape, while also driving grassroots innovation and knowledge generation to foster economic growth and technological self-reliance.

The initiative includes Bharat Data Sagar, which is building the world's largest India-centric dataset, with over 15,000 hours of annotated voice data. BharatGen's programs focus on conversational AI, upskilling, ecosystem partnerships, and open-source innovation, enabling cutting-edge applications such as the multilingual NLP model 'Param,' speech recognition system 'Shrutam,' and AI farm assistant 'Krishi Saathi.'

The project is implemented by a consortium of premier academic institutions, including IIT Bombay, IIIT Hyderabad, IIT Mandi, IIT Kanpur, IIM Indore, and IIT Madras, and its pioneering applications are already making an impact in sectors including agriculture, healthcare, governance, and commerce, positioning India as a global AI leader.

Tentative Agenda

October 9 th , 2025	
12:00 PM -12:10 PM	Inaugural address by the Chief Guest, Prof. Abhay Karandikar , Secretary, DST
12:10 PM -12:15 PM	Setting the Stage for Panel: Opening Remarks by Ms. Rajani Kushwaha , Scientist-B, FFT Division, DST
Panel Discussion on “Towards an AI-Augmented Future: The Promise of BharatGen” Moderated by Dr. Ekta Kapoor, Scientist-G & Head, FFT Division, DST 12:15 PM – 12:55 PM Panelists: i. Col. Amit Mehna, Director AI, Directorate General of Information Systems (DGIS), Indian Army ii. Shri Ankit Bose, Head, NASSCOM AI iii. Shri Rishi Bal, Executive Vice President, BharatGen iv. Shri Jaikrishnan Hari, IBM India v. Prof. Ravi Kiran, PI for Vision Technologies, BharatGen vi. Dr. Arnab Bhattacharya, PI for Legal Domain on Text, BharatGen	
12:55 PM-13:00 PM	Concluding Remarks by Ms. Tanushri Sharma , Scientist-C, FFT Division, DST
Summit Concludes	