

शिक्षा मंत्रालय  
MINISTRY OF  
EDUCATION



कौशल विकास और उद्यमशीलता मंत्रालय  
Ministry of Skill Development  
And Entrepreneurship

# भारतीय भाषा प्रौद्योगिकी समागम TECHNOLOGY & BHARATIYA BHASHA SUMMIT

**30<sup>th</sup> September & 1<sup>st</sup> October 2023**

**Venue: Dr. Ambedkar International Centre, Janpath, New Delhi**

<https://technology-bharatiyabhasha.aicte-india.org/>

## ABOUT TECHNOLOGY & BHARATIYA BHASHA SUMMIT

The Technology & Bharatiya Bhasha Summit has three key areas of discussion “Technology FOR Bharatiya Languages, Technology IN Bharatiya Languages and Technology THROUGH Bharatiya Languages”. Under the guidance of Ministry of Education, Government of India, the Central Institute of Indian Languages (CIIL), Mysuru in collaboration with University Grants Commission (UGC), All India Council for Technical Education (AICTE), National Educational Technology Forum (NETF), Bharatiya Bhasha Samiti (BBS), National Council of Educational Research and Training (NCERT), National Council for Vocational Education and Training (NCVET) and National Council for Teacher Education (NCTE) are organizing the event. The Summit aims to bring all stakeholders on a single platform on 30<sup>th</sup> September and 1<sup>st</sup> October 2023 at Dr. Ambedkar International Centre, Janpath, New Delhi and deliberate on the ways of achieving the goals of the National Education Policy-2020, using technology in all domains of the use of Bharatiya Languages.



The Summit expects to host 1000 delegates during this two-day meet at New Delhi. The event will include presentations, panel discussions, exhibitions and networking opportunities. Technical experts and Institutions working in technology FOR, IN and THROUGH Bharatiya Languages, AI (Artificial Intelligence) and ML (Machine Learning) researchers, edu-tech companies, start-ups, users and policy makers of such technology will participate in the summit. It will facilitate the exchange of ideas and collaboration among the attendees, and promote the advancement of language technology, research and innovation in Bharat and the world.

## **THEME OF THE SUMMIT**

NEP-2020 lays great emphasis on the use of technology to enhance the access of educational opportunities, address concerns of inclusion and diversity, and improve access, quality, equity, affordability and accountability of the educational system in the country.

The summit aims at leveraging the technology for smooth transition from the present language ecosystem to the Bharatiya Language ecosystem. With reference to language and technology, the three main areas have been emphasized:

- **Technology FOR Bharatiya Languages**
- **Technology IN Bharatiya Languages**
- **Technology THROUGH Bharatiya Languages**

### **Technology FOR Bharatiya Languages**

This aspect of the theme aims at the use of Technology FOR Bharatiya Languages in the areas of Teaching, Testing, Training and Translation. Teaching includes learning and teaching of Bharatiya Languages in both online and offline modes, development of learning-teaching materials, pedagogy, etc. Testing includes testing methods and tests for different levels of language proficiency in Bharatiya Languages. Training refers to training of pre-service and in-service language and subject teachers, master trainers, textbook writers in Bharatiya Languages, and training of examiners and experts engaged in language assessment and evaluation using technology.

Translation aims towards developing and upgrading the Language Translation tools for Bharatiya Languages and also creating a vast pool of trained translators in Bharatiya Languages. This would assess the technology requirement for translation, developing digital translation manuals and modules in Bharatiya Languages, using technology etc.





## Technology IN Bharatiya Languages

Technology IN Bharatiya Languages is one such area where the Nation is yet to bring a major revolution in developing the hardware and software tools in Bharatiya Languages. This means the creation of Bharatiya Operating Systems (OS) and Machine Learning (ML) in Bharatiya Languages, use of Bharatiya Languages in writing codes and programmes, developing core standards for technological use of Bharatiya Languages for universal acceptance, developing multi-layer over the existing OS for Bharatiya Languages, web standardization for Bharatiya Languages, developing mobile apps and technology in Bharatiya Languages, developing AR (Augmented Reality) based platforms,

integrating Bharatiya Languages with AR/VR (Virtual Reality)/MVR (Mixed Virtual Reality)/Simulation/Digital Twining, and so forth. The main focus would be on bringing all stakeholders in this field together by allocating and localizing resources through continuous development of technology in Bharatiya Languages and mainstreaming it.

## Technology THROUGH Bharatiya Languages

As envisaged by the NEP-2020, imparting all technical education including Engineering, Medical, Legal and other professional courses THROUGH the medium of Bharatiya Languages, content and methodology development, making available the resources (such as digital textbooks, learning-teaching materials, dictionaries and glossaries in Bharatiya Languages), assessment and evaluation, imparting skill courses besides technical education THROUGH the medium of Bharatiya Languages in schools, vocational education institutions, universities and professional educational institutions (such as IITs, NITs, IIITs, IIMs, IISERs, etc.), and preparing guidelines and standards for Print and Social Media on using Bharatiya Languages are the key areas under this aspect.

## FOCAL AREAS OF THE SUMMIT

- ▶ Exploring ways to provide Education through Bharatiya Languages with the help of Technology.
- ▶ Identifying the priority areas where Bharatiya Language Technology Tools are needed for all Bharatiya Languages.
- ▶ Integration of Technology in Teaching, Training, Testing, and Translating educational content in Bharatiya Languages.
- ▶ Showcasing recent technological developments in the Bharatiya Language Domain. This shall also include Technology Development for Bharatiya Sign Language, and Braille, among others.
- ▶ Promotion of Bharatiya Languages across all the public and private domains through technological interventions.
- ▶ Understanding the current status and challenges of Technology Development FOR, IN and THROUGH Bharatiya Languages.
- ▶ Ways and means for the future direction for Technology FOR, IN and THROUGH Bharatiya Languages.

## **EXPECTED OUTCOME**

The Summit will come out with a document on roadmap for the development and use of Technology FOR, IN and THROUGH Bharatiya Languages.

## **PARTICIPATION**

Academia, industry leaders, language experts, linguists, edu-tech/start-up companies, State governments, language technology researchers & developers, policy and decision makers are kindly invited to participate in this summit.

## **REGISTRATION PROCESS**

**Register at:** <https://technology-bharatiyabhasha.aicte-india.org/>

Limited number of participants would be invited to attend the Summit.

Confirmation of the participants will be done in due course of time. Online registration will close on 22<sup>nd</sup> September 2023

## **CONTACT DETAILS:**

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