



शिक्षा मंत्रालय
MINISTRY OF
EDUCATION



कौशल विकास और
उद्यमशीलता मंत्रालय
MINISTRY OF
SKILL DEVELOPMENT
AND ENTREPRENEURSHIP

भारतीय भाषा प्रौद्योगिकी समागम

Technology & Bharatiya Bhasha Summit

Dates: 30th September & 1st October 2023

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

key events and activities planned over the two days of the summit:

Day 1: 30th September 2023

10:00 AM – 11:00 PM Registration & visit to stalls

11:00 AM – 1:00 PM Inaugural Session

02:15 PM –
03:15 PM

Session 1: Technology for Bharatiya Languages:

- Role of Technology in teaching learning process of Bharatiya languages and in Bharatiya languages as medium of instruction
- Technology for Testing language proficiency, Assessment and Evaluation of Learning Outcomes
- Training of Bharatiya language teachers
- Seamless transition from traditional to digital classrooms (Hybrid classrooms).
- Role of technology in promoting Bharatiya languages centric ecosystem – Roadmap (5 year plan)

**3:45 PM to
5:00 PM**

Session 2: Technology for Bharatiya languages

- a) Translating Between Bharatiya Languages
- b) Role of Machine Learning in Enhancing Translation Accuracy
- c) Chatbots and Virtual Assistants in Regional Languages
- d) Language Modelling for Speech Recognition
- e) Unicode Standardization for Bharatiya Bhasha scripts

Action plan for next 5 years

Day 2: 1st October 2023

**10:00 AM –
11:15 AM**

Session 3: Technology IN Bharatiya Languages

1) Operating Systems and Software Localization:

- a) Adaptation of major OS (like Android, iOS, Windows) for Bharatiya languages.
- b) Software UI/UX localization for regional audiences.

2) Search Engine Localization:

- a) Bharatiya language search algorithms.
- b) Challenges in semantic understanding of regional languages.

3) Digital Content Platforms:

- a) E-learning platforms in Bharatiya languages.
- b) Online tutorials and courses imparted in regional languages.
- c) Government initiatives for promoting digital literacy in vernacular languages.
- d) OTT platforms offering regional content.

	<p>e) eBook platforms and regional language support.</p> <p>f) News websites and apps in regional languages.</p> <p>4) Employment opportunities for students studying in Bharatiya languages medium</p> <p>Action plan for next 5 years</p>
<p>11:45 AM – 01:00 PM</p>	<p>Session 4: Technology IN Bharatiya Languages</p> <ol style="list-style-type: none"> 1. Role of Institutes under MoE, Skilling, Industries, Startup-eco system, various department under GOI, NGOs and State governments. 2. Generative AI in Bharatiya languages 3. Development of Indic keyboards. 4. Handwriting recognition for Bharatiya scripts. 5. Voice-to-text conversion for Bharatiya languages. 6. Gesture-based inputs and language translation. <p>Action plan for next 5 years</p>
<p>02:15 AM – 03:30 PM</p>	<p>Session 5: Technology THROUGH Bharatiya Languages</p> <ol style="list-style-type: none"> 1) Skilling through Bharatiya Languages <ol style="list-style-type: none"> a) Language-based Curriculum Development b) Digital Platforms for Skill Development through Bharatiya Languages c) Vocational Training through Bharatiya Languages d) Assessments and tests conducted through regional languages

- e) Peer-to-peer skill-sharing platforms through Bharatiya languages.
 - f) Collaborative learning initiatives through local communities.
- 2) Leveraging technology, like AR, VR/MVR, for immersive learning through Bharatiya languages.
3. Localized User Experiences:
- a) Interface design principles through Bharatiya languages.
 - b) Usability testing and feedback collection through Bharatiya languages.
 - c) Case studies of successful Bharatiya language applications.
4. Artificial Intelligence and Data Analytics, sentiment analysis through Bharatiya digital footprints:
- d) Training AI models through Bharatiya language datasets.
 - e) Analyzing user behavior and preferences through regional digital footprints.

Action plan for next 5 years

04:00 PM – 05:10 PM Valedictory Session – report & wrap-up note