



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 AM

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 the 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

	<p>d) OTT platforms offering regional content</p> <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 the 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-ecosystem, various department under GOI, NGOs and State governments 1) Generative AI in Bharatiya languages. 2) Development of Indic keyboards. 3) Handwriting recognition for Bharatiya scripts. 4) Voice-to-text conversion for Bharatiya languages. 5) Gesture-based inputs and language translation. <p>Action plan for the next 5 years</p>
<p>02:15 PM – 03:30 PM</p>	<p>Session 5: Technology THROUGH Bharatiya Languages</p> <p>1) Skilling through Bharatiya Languages:</p> <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

5) Artificial Intelligence and Data Analytics, Sentiment Analysis through Bharatiya Digital Footprints:

- a) Training AI models through Bharatiya language datasets.
- b) Analyzing user behavior and preferences through regional digital footprints

Action plan for the next 5 years

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