



शिक्षा मंत्रालय
MINISTRY OF
EDUCATION



कौशल विकास और
उद्यमशीलता मंत्रालय
MINISTRY OF
SKILL DEVELOPMENT
AND ENTREPRENEURSHIP

भारतीय-भाषा-प्रौद्योगिकी-समागमः

दिनाङ्कः ३० सप्टेंबर तथा च १ ऑक्टोबर २०२३

स्थानम् – डॉ. अम्बेडकर-आन्ताराष्ट्रिय-केन्द्रम्, जनपथः, नवदेहली

प्रौद्योगिकी-समागमे समायोजिताः मुख्याः कार्यकलापाः

प्रथमः दिनः – ३० सप्टेंबर २०२३

प्रातः १०.०० तः रात्रौ ११.०० – पञ्जीकरणम्, आपणानां दर्शनम्

प्रातः ११.०० – अपराह्णे १.०० उद्घाटनम्

अपराह्णे २.१५
तः ३.१५

प्रथमं सत्रम् – भारतीयभाषाणां कृते प्रौद्योगिकी

- 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)

अपराह्णे ३.४५
तः ५.००

द्वितीयं सत्रम् – भारतीयभाषाणां कृते प्रौद्योगिकी

- 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

अग्रिम-पञ्चवर्षाणां कृते कार्ययोजना

द्वितीयः दिनः - १ अक्टोबर २०२३

प्रातः १०.०० तः
११.१५

तृतीयं सत्रम् - भारतीयभाषासु प्रौद्योगिकी

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.
- e) eBook platforms and regional language support.

	<p>f) News websites and apps in regional languages.</p> <p>4) Employment opportunities for students studying in Bharatiya languages medium</p> <p>अग्रिम-पञ्चवर्षाणां कृते कार्ययोजना</p>
<p>प्रातः ११.४५ तः अपराह्णे १.००</p>	<p>चतुर्थं सत्रम् – भारतीयभाषासु प्रौद्योगिकी</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>अग्रिम-पञ्चवर्षाणां कृते कार्ययोजना</p>
<p>अपराह्णे २.१५ तः ३.३०</p>	<p>पञ्चमं सत्रम् – भारतीयभाषाभिः प्रौद्योगिकी</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.

4) 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.

अग्रिम-पञ्चवर्षाणां कृते कार्ययोजना

अपराद्धे ४.०० तः ५.१० – समापन-सत्रम्, वृत्तान्तः, आवरण-टिप्पणी