



## **Koneru Lakshmaiah Education Foundation**

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### **Workshop on Bhashini-NLTM Core Speech Technologies in Indian Languages**

Date: From 15-03-2024 to 17-03-2024

Time: 9:30AM to 5:30PM

Various speakers delivered about the vision of national language translation mission and the importance of different speech technologies in Indian languages.



इलेक्ट्रॉनिक्स एवं  
सूचना प्रौद्योगिकी मंत्रालय  
MINISTRY OF  
ELECTRONICS AND  
INFORMATION TECHNOLOGY

K L (Deemed to be) University  
KLEF Vaddeswaram – 522302, Guntur District, AP

Workshop on Bhashini-NLTM  
Core Speech Technologies in Indian Languages  
15<sup>th</sup>-17<sup>th</sup> March 2024

## Program Schedule

Day 1: 15-03-2024 (Friday)  
9:00 AM – 5:30 PM

Venue: 15-03-2024 : 9:00AM-1:00PM - New Seminar Hall  
: 2:00PM-5:30PM – Jasmine Hall (C Block)

9:00-10:00AM - Registration		
10:00-10:20AM - Inaugural Function		
Time	Event	Speaker and Affiliation
10:20-10:40 AM	Vision of National Language Translation Mission (NLTM)	Tarun Pandey, MeitY
10.40-11:00 AM - Tea Break		
Presentations by Participating Organizations		
11:00-11:30AM	Consortium Project: Overview Goals and Objectives	S Umesh, IIT Madras

11:30-12:00 Noon	Annexure I (Automatic Speech Recognition & Text to Speech)	S Umesh & Hema A Murthy, IIT Madras
12:00-12:30 PM	Annexure II (Audio Visual Speech Processing in Natural Language Interfaces)	Hema A Murthy, IIT Madras & C V Jawahar, IIIT Hyderabad
12:30-1:00 PM	Annexure III (Voice Search Engine)	K Sri Rama Murty, IIT Hyderabad & Vipul Arora, IIT Kanpur
<b>1:00-2:00 PM - Lunch Break (R Block Dining Hall)</b>		
2:00-2:30 PM	Annexure IV (Development and deployment of a Speaker Diarization system for a multilingual set up for Indian Languages)	Sriram Ganapathy, IISc Bangalore & Deepu Vijayaseenan, NITK Surathkal
2:30-3:00 PM	Annexure V (Integration and Deployment)	Pranaw Kumar, CDAC Mumbai
3:00-3:30 PM	Annexure VI (Development and Deployment of Scalable Speaker Recognition Technology in Different Applications)	S R Mahadeva Prasanna, IIT Dharwad K. T. Deepak, IIIT Dharwad S R Nirmala, KLE Tech University Hubballi, Joyanta Basu, CDAC Kolkata, Debadatta Pati, NIT Nagaland, Gayadhar Pradhan, NIT Patna, Akhilesh Kumar Dubey, KLEF Vaddeswaram
<b>3:30-4:00 PM - Tea Break</b>		
4:00-5:30 PM -Projects Work Discussion		

Day 2: 16-03-2024 (Saturday)  
9:00 AM – 5:00 PM

Venue: 16-03-2024 : 9:00AM-1:00PM – Jasmine Hall (C Block)  
: 2:00PM-5:30PM – Student Activity Center  
(R Block Ground Floor)

Time	Event	Speaker and Affiliation
9:00-9:30 AM	Annexure VII (Spoken Language Identification)	A D Dileep, IIT Dharwad T Veena, NIT Goa R Padmanabhan, IIT Mandi
9.30-10:00 AM	Annexure VIII (ASR for Extremely Low-Resource Indic Languages)	Prasanta Kumar Ghosh, IISc Bangalore & Preethi Jyothi, IIT Bombay
10:00-10.30 AM	Annexure IX (Speech Technologies for North Eastern Languages)	Rohit Sinha, IIT Guwahati, Joyanta Basu, CDAC Kolkata, Y Jina Chanu, NIT Manipur, Achintya Kumar Sarkar, IIIT Sri City
<b>10:30–11:00 AM - Tea Break</b>		
11.00-11:30 AM	Annexure X (Prosody Modelling)	T. Nagarajan, SNU Chennai, K. Sreenivasa Rao, IIT Kharagpur
11:30-12:00 Noon	Annexure XI (Assistive Speech Technologies)	P Vijayalakshmi, SSNCE Chennai Hemant A Patil, DA-IICT Gandhinagar
12:00-12:30 PM	Annexure XII (Speech Quality Control)	Suryakanth V Gangashetty, KLEF Vaddeswaram
<b>12:30-2:00 PM - Lunch Break (R Block Dining Hall)</b>		
<b>Venue: Student Activity Center R Block</b>		
2:00-5:00 PM	Demonstration of various technologies, deployments	
3:30-4:00 PM	Tea	

Day 3: 17-03-2024 (Sunday)  
9:00 AM – 1:00 PM

Venue: 16-03-2024 : 9:00AM-1:00PM - Student Activity Center  
(R Block Ground Floor)

Venue: Student Activity Center R Block		
Time	Event	Speaker and Affiliation
9:00 -12:00 Noon	Presentation	By PhD/MS/M.Tech/B.Tech scholars and researchers across the consortium.
12:00-1:00 PM	Discussions and Wind-up: Way forward	All the Consortium partners
<b>1:00 PM - Lunch</b>		



Computer Science & Engineering

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*Heartily Welcome*

ALL THE GUESTS & PARTICIPANTS

WORKSHOP ON

**BHASHINI-NLTM CORE SPEECH TECHNOLOGIES IN INDIAN LANGUAGES**

15<sup>th</sup> - 17<sup>th</sup> March 2024

Inaugural Function Venue : New Seminar Hall



# WORKSHOP ON BHASHINI-NLTM CORE SPEECH TECHNOLOGIES IN INDIAN LANGUAGES

15<sup>th</sup> - 17<sup>th</sup> March 2024

Inaugural Function Venue : New Seminar Hall

The objective of this workshop is to bring together researchers and product developers working in different areas of speech technologies across the consortium project titled "Speech Technologies in Indian Languages", which is part of National Language Translation Mission (NLTM). This workshop will facilitate the consortium partners to demonstrate their contributions to the "Speech Technology Pipeline" and the goals of NLTM's core "Speech Technologies in Indian Languages". The participants of this workshop will include the consortium leaders, members, project associates, invited delegates from Ministry of Electronics and Information Technology (MeitY), faculty members, research scholars and students working in the area of Natural Language Processing.



- Demonstration of various technologies developed by consortium members (Venue : SAC)
- Presentation by PhD/MS/M.Tech/B.Tech scholars and researchers across the consortium.

Convenor : Dr. Suryakanth V Gangishetty

Contact Us : ☎ +91 9494838278 ✉ [svg@kluniversity.in](mailto:svg@kluniversity.in)

- The workshop includes invited talks on
  - ✓ Vision of National Language Translation Mission.
  - ✓ Overview of Goals and Objectives of Consortium Project titled "Speech Technologies in Indian Languages".
  - ✓ Automatic Speech Recognition and Text to Speech.
  - ✓ Audio Visual Speech Processing in Natural Language Interfaces.
  - ✓ Voice Search Engine.
  - ✓ Development and Deployment of a Speaker Diarization system for a Multilingual set up for Indian Languages.
  - ✓ Integration and Deployment of Speech Technologies.
  - ✓ Development and Deployment of Scalable Speaker Recognition Technology in Different Applications.
  - ✓ Spoken Language Identification.
  - ✓ ASR for Extremely Low-Resource Indic Languages.
  - ✓ Speech Technologies for North Eastern Languages.
  - ✓ Prosody Modelling.
  - ✓ Assistive Speech Technologies.
  - ✓ Speech Quality Control.

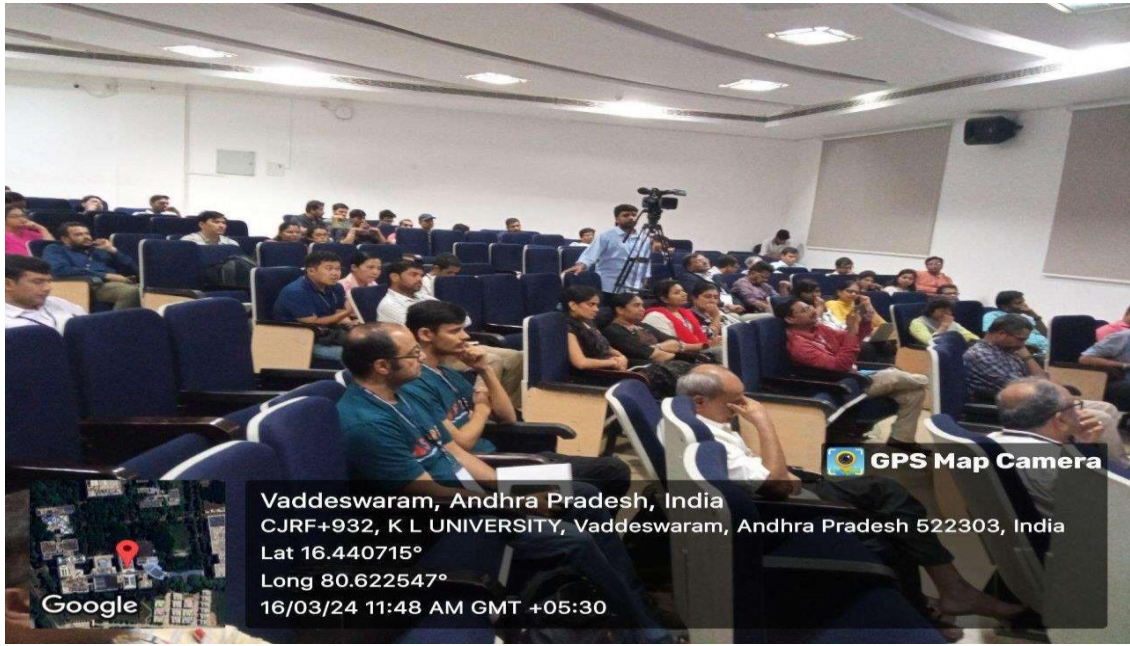
Invited Talks Venue : Jasmine Hall

Organized by:  
Dept of Computer Science and Engineering



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