

About CDAC

Centre for Development of Advanced Computing, (CDAC) is an R&D Organization under MeitY, Government of India, and having 11 centers spread across the country. C-DAC, Kolkata is the Eastern and CDAC Silchar is the North Eastern hub of R&D within C-DAC family. R&D in Speech and language Processing is one of our identified thrust areas under Multi Lingual Computing.

CDAC, Kolkata is working in the area of Speech processing for more than last one decade. Over this period of time, Speech Corpora, Text to Speech synthesis systems in Bangla, Nepali and Mizo, Bangla phoneme standards, semi-automatic data transcription tool, agricultural and travel domain speech recognition systems, text independent speaker recognition systems have been developed as part of different R&D activities under MeitY and North East funding. Recently North East India centric speech technology developments have become one of the major activities of the section. CDAC Kolkata is working with different academic and research organizations of India and abroad for different R&D activities.

About NIT Silchar

NIT Silchar has come a long way from being an REC to brand- NITS. The Institute aims to produce skilled and trained industry-ready professionals through quality technical education and acts as the center of excellence for engineering and scientific research. Being an integral part of the dynamic research community, NIT Silchar focuses on designing engineering and management programs and carries a global appeal. Undergraduate, postgraduate and Ph.D. programs are regularly revised to comply with global technical developments and market demands. The Institute has bagged the 1st C-DAC Centre of Northeast India, established the first High Performance Computing Centre in its sprawling campus and won the prestigious ASSHOCHSM awards for Best Engineering College in East India in February 2014. NIT Silchar is working on different speech processing applications like Speech based Multi-Level Person Authentication System, north-east language identification etc.

About Silchar

Situated on the Surma (Barak) River, Silchar is known for its scenic beauty and natural splendor. The place derived its name from two words: shil ('rocks') and char ('fields'), meaning rocky fields. Silchar is the headquarters of Cachar district in Assam and is the 2nd largest city of the state. It is one of the most stable areas in the North-East having its own airport and institutes of higher education. Approx 90% residents of Silchar are Bengalis who speak the Sylheti dialect, the rest being Bishnupriya Manipuri, Dimasa Kachari (Barman), Manipuri (Meitei), Marwaris, Assamese and some tribal groups like Nagas. Silchar is popularly known as Barak Valley. The city is an important road junction of North East and serves as major point of connection for Tripura, Manipur and Mizoram.



Weather

Silchar, falls in the tropical climatic zone and it enjoys pleasant weather conditions all through the year. Temperatures averaging around 28 degrees celsius during summer while a cool 18°C between December and February. Silchar receives heavy rains during June to September.

Communication

Air India and Jet Airways operate flights from Kolkata to Silchar/Guwahati. NIT Silchar campus is about 35 km away from Kumbhirgram airport. By road communication, Silchar is directly connected with Guwahati via a 326 km long National Highway. Besides, a number of day/night buses are also available between Guwahati and Silchar in everyday morning and evening.



Workshop on Speech Technology Solutions for North Eastern states of India (STeSNE)-2017

24th - 25th February, 2017

Organized jointly by
CENTRE FOR DEVELOPMENT OF
ADVANCED COMPUTING
(CDAC), KOLKATA
CDAC, SILCHAR
&
NATIONAL INSTITUTE OF
TECHNOLOGY (NIT) SILCHAR

Venue
NIT, SILCHAR

Sponsored by
Ministry of Electronics and Information
Technology, (MeitY) Govt. of India

About the Workshop

Advanced Speech Processing Section of CDAC, Kolkata along with CDAC Silchar and NIT Silchar, is going to organize a two days' workshop program on Speech technology based solutions for North Eastern States of India. The workshop will highlight some of the present research and development activities in Speech processing area, which are mostly applicable to the needs of North East India. The workshop is being organized under the aegis of Ministry of Electronics and Information Technology (MeitY), Govt. of India. Major initiatives by MeitY include wider proliferation of language resources for research and development of language technology and

developing related standards to ensure adequate representation of Indian languages including North Eastern languages.

Primary motivation behind the workshop is to bring together students, faculty, researchers, experts and professionals under a common forum to share knowledge and experience in the area of speech and language technology based solutions for North East India. The workshop will encourage participation from academic as well as research institutions for fruitful interaction and will promote collaborative research activities through intensive discussions. Topics included in the theme area of the workshop are as follows:

- Acoustic Phonetic study of North Eastern languages
- Linguistic study of North Eastern languages
- Speech Resource creation on North East Languages
- Spoken communication related challenges in multi – lingual scenario of North Eastern states
- Experimental study on Phonetic symbols Standardization of North Eastern languages
- Speech technology Applications for North East

The workshop will include invited talks and interactive lecture sessions by eminent researchers in this field. In addition to that a number of hands-on training sessions are also included in the workshop program schedule. This will enable the student participants for having basic knowledge on speech processing area and will encourage them to work further in the arena of speech and language technology based solutions for North Eastern states.

Workshop Committee

Programme Committee

Col. A.K. Nath (Retd.), Executive Director (Corporate R&D), CDAC
 Dr. Nabarun Bhattacharya, Director, CDAC, Kolkata
 Dr. K S Selvakumar, Centre Head, CDAC, Silchar
 Ms. Soma Mitra, CDAC, Kolkata
 Mr. Debasis Mazumdar, CDAC, Kolkata
 Prof. Tapan Kumar Basu, IIT Kharagpur (Retd.)
 Prof. Fazal A. Talukdar, NIT Silchar
 Prof. Rabul Hussain Laskar, NIT Silchar
 Prof. Sudipta Roy, TSSOT, Assam University
 Prof. Bhagaban Swain, TSSOT, Assam University
 Prof. Saibal Chatterjee, NERIST, Arunachal Pradesh
 Prof. Swanirbhar Majumder, NERIST, Arunachal Pradesh
 Prof. Shailendra Kumar Singh, NEHU, Meghalaya

Prof. Saralyn A. Lyngdoh, NEHU, Meghalaya

Organizing Committee

Mr. Joyanta Basu, CDAC, Kolkata
 Mr. Milton S. Bepari, CDAC, Kolkata
 Mr. Arup Saha, CDAC, Kolkata
 Mr. Rajib Roy, CDAC, Kolkata
 Ms. Tulika Basu, CDAC, Kolkata
 Ms. Soma Khan, CDAC, Kolkata
 Mr. Madhab Pal, CDAC, Kolkata
 Ms. Sushmita Nandi, CDAC, Kolkata
 Ms. Chuya Bhanja, NIT Silchar
 Mr. Azharuddin Laskar, NIT Silchar
 Mr. Alok Dey, CDAC Silchar

Invited Speakers

Prof. S. R. Mahadeva Prasanna, IIT Guwahati
 Prof. Priyankoo Sarmah, IIT Guwahati
 Prof. Indranil Dutta, The English and Foreign Languages University, Hyderabad

Important Dates

Last date for participation intimation: **20.02.2017**
 Workshop dates: **24.02.2017 & 25.02.2017**

Program Schedule

Tentative program schedule of the workshop is as follows:

Date	Events
24.02.2017 (9am – 6pm)	Workshop Registration Inaugural Program Lecture – I Lunch Invited Talk – I Lecture – II Hands-on Session – I Workshop Dinner
25.02.2017 (9am – 6pm)	Lecture – III Invited Talk – II Lunch Invited Talk – III Hands-on Session – II Panel Discussion Valedictory Session

Accommodation

Accommodation for all the participants will be made available in the Guest House and Hostels within NIT Silchar campus on first-come first-serve basis. Participants seeking accommodation should inform along with their tentative travel schedule **on or before 20th February, 2017.**

Registration Fees

No Registration fees are required for participation. The workshop is free for all interested participants. Registration will be confirmed via e-mail on first-come first-serve basis as limited seats are available.

Registration Form

Please tick appropriate Title: Dr. Mr. Ms.

Name (in block letters): _____

Student Researcher Faculty

Organization /Institution: _____

Mailing Address: _____

Mobile Number: _____

Email ID: _____

Area of work/Interest: _____

Accommodation Needed: Yes No

Food preference: Veg Non Veg

Date: _____ Signature: _____

(Please send the signed scan copy of the duly filled registration form along with travel schedule to the contact mail id given below on or before 20th February, 2017.)

Contact

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