



Nagaland University

Four Day Workshop on Spoken Language & Speech Analysis
Organize by: Centre for Naga Tribal Language Studies (CNTLS), Nagaland University
in collaboration with Indian Institute of Technology (IIT) Guwahati
17th –20th June, 2019

We are happy to announce you that the Centre for Naga Tribal Language Studies (CNTLS) Nagaland University, Kohima campus, Meriema is going to organize a **4-days Workshop on Spoken Language and Speech Analysis** from 17th – 20th June, 2019 at Nagaland University, Kohima Campus in collaboration with IIT Guwahati. The workshop aims to equip the participants with the tools and software in speech analysis. The tentative topics that will cover during the workshop include:

- Introduction to Phonetics, Articulatory, Acoustic, Auditory, organ of Speech, Speech production, Articulation, place & manner, Speech production; glottal vibration, F0; use of F0, Hands on to PRAAT, speech recording
- Sounds of Naga & other TB languages, Source Filter Theory, F0, Harmonics, Formants, Intensity, Duration, Acoustic phonetics: Spectrogram, formants; F1-F2 of vowels
- Record isolated vowels, Classify a test vowel from F1-F2 plot, Influence of PoA on F2 of vowels ({left, right} context), Automatic Speech Recognition, Linguistic knowledge in ASR; Spoken language resources
- Linguistics field work & Data, Record digit sequences for building number recognition system, Guess the words by visually inspecting spectrograms, Neural networks for ASR and TTS, Applications of speech technology, Demonstrations of number recognition system

Registration Fees: Rs. 250 (Scholars/Students)
Rs. 500 (Teachers)
(Registration will be done on spot only)

Selection of the participants will be made on the basis of first come first serve basis. Selected participants will be intimated by the organizing committee through mail or mobile.

Number of participants: 30 (thirty)

Students who have completed/pursuing M.A in Linguistics or who have background knowledge of Phonetics from other allied discipline can apply for the workshop. Outstation participants are also encouraged for the workshop on their own arrangement of travel and stay.

Last date of form submission (through mail/WhatsApp or hard copy): 14th June 2019

TA/DA: No TA/DA for participants (Working lunch, Tea & snack will be provided during the workshop)

Workshop Goals:

- To disseminate the knowledge of Language tools specially PRAAT among student community for speech analysis
- To encourage the participants to work or pursue research in language technology
- To promote technology development in Indian Languages

Instructions:

- Aspirants (From Linguistic, Computer Science & Literature background) can apply to the workshop.
- Selected candidates need to attend all the days otherwise they will not be entitled for certificates.
- Selected participants has to bring their own laptops (whoever can afford) and their headphones or mobile earpiece.



Established on 2016, the **Centre for Naga Tribal Language Studies (CNTLS)** under Nagaland University, Kohima campus, Meriema is a first and one of its kinds Centre that is focused mainly on preservation, protection and promotion of Naga languages and Cultural Studies. The Centre has an interdisciplinary focus that also recognizes the diversity of tribal nations, communities, cultures and languages. The mission serves the following purposes.

To collect, study, preserve and disseminate materials of Naga tribal languages, literature and folklore. The Centre also has a vision to endeavor comparative study of Naga tribal languages with a view to map their similarities, diversity and cognate relationship.

It also envisions promoting research collaboration with local, national and global institutions with the objective of invigorating and promoting Naga tribal language on a wider scale. Moreover, the Centre aims to be a nodal Centre for the study of Naga tribal languages and cultures in the North-East India and its neighboring regions.

To implement student programs that support and nurture personal development and academic success in higher education.

To partner with tribes in programs that meet educational, professional development, and other mutually beneficial needs.

To facilitate appropriate design and implementation of research and other projects on issues and concerns which impact the quality of life for tribal people.

To facilitate symposia, conferences, and forums that present issues and topics relevant to tribal peoples.

Venue : Ladies Common Room, Nagaland University, Kohima Campus, Meriema

Date : 17st –20th June, 2019

Time : 9 A.M. TO 4 P.M.

Organizing Committee : Dr. L. Bijenkumar Singh (Coordinator)
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