

About the Workshop

Participants in this workshop would get the idea of the basics of the low resource tribal language of Tripura "Kokborok" as well as explore and experience the working of Praat an open source software which is a powerful, tool designed for the analysis, synthesis, and manipulation of speech signal. They will also get to know about the Indian Sign Language Detection and Recognition System components and algorithms. Through this workshop they will be able to understand how Signal Processing and AI is implemented to achieve this technology to help assist the person with hearing disabilities.

Industrial Expert

Dr. Joyanta Basu

Scientist - E, CDAC Kolkata

Academic Expert

Dr. Swapan Debbarma

Associate Professor, Dept. of CSE, NIT Agartala

Dr. Pankaj Debbarma

Associate Professor, Dept. of CSE, TIT Agartala

Dr. Samir Debbarma

Assistant Professor, Dept. of Kokborok, Tripura University

Target Audience

Faculty Member from nearby colleges/ academic institutes are expected as participants with No Registration Fee.

Coordinators

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Two-Days SSR Workshop on "Indian Sign Language (ISL) for Kokborok Language

30 - 31 January 2025



Organized by

Department of Information Technology

Tripura University (A Central University), Suryamaninagar



Department of Science & Technology
Govt. of India

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Department of Science and Technology (DST), Govt. of India

Venue

Department of Information Technology

Tripura University, Suryamaninagar, Agartala-799022



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Local Organizing Committee

Chief Patron

Prof. Ganga Prasad Prasain

Hon'ble Vice-Chancellor, Tripura University

Advisory Committee

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Director, Research & Development Cell, Tripura University

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Dr. Gagari Deb, Dept. of EE, Tripura University

Volunteers:

Mr. C. Biswas, SRF, AICTE Doctoral Fellowship, Dept. of IT, TU

Mr. Suman Debbarma, JRF, SERB CRG Project, Dept. of IT, TU

Mr. R. Sutradhar, Research Scholar, Dept. of IT, TU

Mr. Sameer Kumar, Project Associate, NGIN, TU

Ms. Susmita Sarkar, Research Scholar, Dept. of IT, TU

Focus Areas

- Innovative Tools for Kokborok and ISL Language Learning*
- Hands-on Training in Language Technology Applications*
- AI-Driven Solutions for Low-Resource Languages*

About Tripura University

Tripura University epitomizes the aspirations of the state's people for academic excellence at the highest level and a quest for knowledge. The first institution of higher education had commenced functioning from 1947 with affiliation from Calcutta University but in the immediate aftermath of partition, the population of the state registered a steep growth and so did the number of students aspiring for higher education. Subsequently, it was on October 2, 1987, the birth anniversary of Mahatma Gandhi that Tripura University formally came into being as a towering embodiment of the hopes and aspirations of the people. The University was converted into a Central University on 2nd July, 2007 under the Tripura University Act, 2006 as enacted by the Parliament.

About the Department

The Department of Information Technology at the Tripura University has been started with the objective of promoting research and development, industrial consultancy, and teaching in the frontier areas of Information Technology. The Department offers a unique combination of courses and project that helps the students to cope with the recent advancements in the computer industry and information technology. The PG course in IT and Department under the faculty of science have been started with due approval from AICTE. It is currently offering Doctor in Philosophy (Ph.D), 2 years M.Tech in Information Technology and AICTE affiliated 2 years MCA course.

Registration Link: <https://forms.gle/n8HoLRmykkr9tXFd6>