ICMLBDA-2024 Special Session Proposal Template

Deadline for Submission (05/02/2024) through email to : pankaj@nitkkr.ac.in, er.mohitdua@nitkkr.ac.in

__Important Note: Session Organizers are expected to have at least six papers accepted for their session with acceptance rate of 40% to 45%__

Title	Natural Language and Speech Processing
Session Organizers	Name: Dr. Ankit Kumar Email ID : extern.ankit.kumar@thi.de, anketvit@gmail.com Affiliation: Technische Hochschule Ingolstadt, Bavaria, Germany, 85049
Abstract (max 200 words)	The "Natural Language and Speech Processing" special session brings together researchers, practitioners, and industry experts to explore the latest advancements and challenges in the fields of natural language processing (NLP) and speech processing. This session serves as a forum for discussing cutting-edge research, sharing insights, and fostering collaborations to address key issues and opportunities in these rapidly evolving domains like Natural Language Understanding and Generation, Speech Recognition and Synthesis, Multimodal Processing, Dialogue Systems and Conversational Agents, Machine Translation and Cross-lingual Processing and related areas.
Background and Justification (max 300 words)	The "Natural Language and Speech Processing" special session addresses the burgeoning field of computational linguistics and speech technology. With the exponential growth of digital data and the proliferation of smart devices, the demand for sophisticated natural language processing (NLP) and speech processing solutions has never been greater. This special session provides a platform for researchers, practitioners, and industry professionals to explore recent advancements and challenges in these fields. From the development of cutting-edge algorithms for speech recognition and synthesis to the creation of intelligent dialogue systems and sentiment analysis tools, the session covers a wide range of topics crucial to the advancement of NLP and speech processing technologies. Moreover, the ethical implications and societal impacts of these technologies are also discussed, underscoring the importance of responsible innovation in this rapidly evolving domain.
Topics of interest	- Speech Recognition - Natural Language Understanding (NLU) - Machine Translation - Text-to-Speech (TTS) Synthesis - Information Retrieval - Dialogue Systems - Sentiment Analysis - Speech Enhancement - Speaker Recognition - Language Generation

Expected Numbers of Submissions