

Fourth International Conference on **Speech and Language Technologies for Low-Resource Languages** SPELLL 2025

18th to 20th, December 2025

Fourth Workshop on Low Resource Cross-Domain, Cross-Lingual and Cross-Modal Offensive Content Analysis (LC4 2025)

Indian Institute of Information Technology Kottayam, Kerala, India

DAY 2

Workshop Track: Low Resource Cross-Domain, Cross-Lingual and Cross-Modal Offensive Content Analysis (LC4 2025)

Venue	BC302	Link: TBA	
Day 2: 19 December 2025, Friday		Time: 09:00 AM - 10:00 AM (Keynote Talk) AM - 11:00 AM (Paper Track)	10:00
Keynote Talk: "LLM-Powered Agri-Robotics: Combining Multimodal Perception with Natural Language Reasoning"			
Keynote Speaker: Dr Prabha Sundaravadivel, University of Texas, Tyler, Texas, US			
Session Chairs: Chair 1 & Chair 2			
S. No	Paper ID	Paper Title	Author Names
1	LC4-2	Sentiment Analysis in Tamil and Tulu with Re-Ranking Enhanced BERT	Ratnavel Rajalakshmi, J Bhuvana, Santhosh R
2	LC4-1	Agentic Framework for Multilingual Summarization of Government Notifications Using Firefly-Optimized Dual Transformers	Dr.M.Prasannakumar, Dr.R.Mohanraj, S.Andal, Dr. B. Rajalingam, Dr. R. SANTHOSHKUMAR

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Fourth Workshop on Multimodal Machine Learning in Low-Resource Languages (MMLow-2025)

Indian Institute of Information Technology Kottayam, Kerala, India

DAY 2

Workshop Track: Multimodal Machine Learning in Low-Resource Languages (MMLow-2025)

Venue	BB201	Link: TBA		
Day 2: 19th December 2025, Friday		Time: 09:00 AM - 10:00 AM (Keynote Talk) 10:00 AM - 11:30 AM (Paper Track)		
Keynote Talk: "Why can technology not understand me or speak my language?"				
Keynote Speaker: Dr Jesin James, University of Auckland, New Zealand				
Session Chairs: Chair 1 & Chair 2				
S. No	Paper ID	Paper Title	Author Names	Presentation Time (IST)
1	MMLoW-5	Low-Resource Malayalam Speech–Text Retrieval with a Fixed Audio Encoder: Evaluating Language-Aware Text Encoders	Meharuniza Nazeem, Navaneeth S, Adithyakiran A S, Salini S, Rajeev R R	10:15 a.m. to 10:30 a.m.
2	MMLoW-1	Unlocking the Power of Embeddings: A Comparative Study of Sentiment Analysis with Traditional ML Models and LLMs Integrated with Optuna Hyperparameter Optimisation	Thara S	10:30 a.m. to 10:45 a.m.
3	MMLoW-3	Homophobic And Transphobic Hate Speech Detection in Dravidian Languages: From Dataset Creation to Modality-Based Analysis	KN Lakshmi, K HEMAVARDHAN REDDY, Venkata Satya Alajangi, K V VAMSHIDHAR REDDY, JYOTHISH LAL G, Premjith B	10:45 a.m. to 11:00 a.m.
4	MMLoW-4	A Proxy Multimodal System for Dysarthria Severity Detection by Combining Segmental and Suprasegmental Modalities of Speech	Anshuma Ranjith, JYOTHISH LAL G, Premjith B	11:00 a.m. to 11:15 a.m.

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Fourth Workshop on Fake News Detection in Low-Resource Languages (Regional-FAKE 2025)

Indian Institute of Information Technology Kottayam, Kerala, India

DAY 2

Workshop Track: Fake News Detection in Low-Resource Languages (Regional-FAKE 2025)

Venue	BC301	Link: TBA		
Day 2: 19th December 2025, Friday		Time: 09:00 AM - 10:00 AM (Keynote Talk) 10:00 AM - 11:30 AM (Paper Track)		
Keynote Talk: "Multilingual Fake News Detection"				
Keynote Speaker: Dr. Subalalitha C N, SRM Institute of Science and Technology, Kattankulathur, Chennai, India				
Session Chairs: Chair 1 & Chair 2				
S. No	Paper ID	Paper Title	Author Names	Presentation Time (IST)
1	RegFake-5	Transformers-Based Embedding Approaches for Fake News Detection in English and Malayalam Using Deep Learning Techniques	Deena Anna Dilu, Gopika B, Jobin Jose, and Siranjeevi Rajamanickam	10:15 a.m. to 10:30 a.m.
2	RegFake-6	A Comparative Analysis of Transformer-Based Text Embeddings for Healthcare Fake News Detection	Aswathy P, Balasubramanian Palani, Vengadeswaran S	10:30 a.m. to 10:45 a.m.
3	RegFake-3	Discriminating Authenticity in Multilingual Data Using Transformer Models and Ensemble Techniques	Tanisha Sriram, Sowmya Anand, Dr. Rajalakshmi Sivanaiah, Dr. Angel Deborah, and Dr. T T Mirnalinee	10:45 a.m. to 11:00 a.m.