

DravidianLangTech 2024

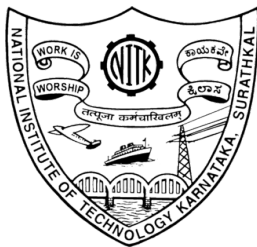
**The Fourth Workshop on Speech, Vision, and Language
Technologies for Dravidian Languages**

Proceedings of the Workshop

March 22, 2024

The DravidianLangTech organizers gratefully acknowledge the support from the following sponsors.

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Introduction

We are excited to welcome you to DravidianLangTech 2024, the 18th Conference of the European Chapter of the Association for Computational Linguistics (EACL). This year the workshop is being held hybrid (online and at Malta), on March 21, 2024 with EACL 2024 that will take place also hybrid March 17-22, 2024.

The development of technology increases our internet use, and most of the global languages have adapted themselves to the digital era. However, many regional, under-resourced languages face challenges as they still lack developments in language technology. One such language family is the Dravidian family of languages. Tamil languages are primarily spoken in south India, Sri Lanka, and Singapore. Pockets of speakers are found in Nepal, Pakistan, Malaysia, other parts of India, and elsewhere globally. The Tamil languages, which are 4,500 years old and spoken by millions of speakers, are under-resourced in speech and natural language processing. The Dravidian languages were first documented in Tamil script on pottery and cave walls in the Keezhadi (Keeladi), Madurai and Tirunelveli regions of Tamil Nadu, India, from the 6th century BCE. The Tamil languages are divided into four groups: South, South-Central, Central, and North groups. Tamil morphology is agglutinating and exclusively suffixal. Syntactically, Tamil languages are head-final and left-branching. They are free-constituent order languages. To improve access to and production of information for monolingual speakers of Dravidian (Tamil) languages, it is necessary to have speech and languages technologies. These workshops aim to save the Dravidian languages from extinction in technology.

This is the Fourth workshop on speech and language technologies for Dravidian languages.

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Friday, March 22, 2024

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09:30 - 10:00 *Keynote*

10:00 - 11:00 *Developing Models and Resources for Low Resource Applications*

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11:00 - 13:00 *Poster Session*

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InnovationEngineers@DravidianLangTech-EACL 2024: Sentimental Analysis of YouTube Comments in Tamil by using Machine Learning

Kogilavani Shanmugavadivel, Malliga Subramanian, Palanimurugan V and Pavul chinnappan D

KEC_HAWKS@DravidianLangTech 2024 : Detecting Malayalam Fake News using Machine Learning Models

Malliga Subramanian, Jayanthjr J R, Muthu Karuppan P, Keerthibala A T and Kogilavani Shanmugavadivel

13:00 - 13:30 *Lunch Break*

13:30 - 15:45 *Overview and Findings of Shared Tasks at DravidianLangTech 2024*

Findings of the Shared Task on Hate and Offensive Language Detection in Telugu Codemixed Text (HOLD-Telugu)@DravidianLangTech 2024

Premjith B, Bharathi Raja Chakravarthi, Prasanna Kumar Kumaresan, Saranya Rajiakodi, Sai Prashanth Karnati, Sai Rishith Reddy Mangamuru and Chandu Janakiram

Friday, March 22, 2024 (continued)

Findings of the Shared Task on Multimodal Social Media Data Analysis in Dravidian Languages (MSMDA-DL)@DravidianLangTech 2024

Premjith B, Jyothish Lal G, Sowmya V, Bharathi Raja Chakravarthi, K Nandhini, Rajeswari Natarajan, Abirami Murugappan, Bharathi B, Saranya Rajiakodi, Rahul Ponnusamy, Jayanth Mohan and Mekapati Spandana Reddy

SetFit: A Robust Approach for Offensive Content Detection in Tamil-English Code-Mixed Conversations Using Sentence Transfer Fine-tuning

Kathiravan Pannerselvam, Saranya Rajiakodi, Sajeetha Thavareesan, Sathiyaraj Thangasamy and Kishore Kumar Ponnusamy

Overview of Second Shared Task on Sentiment Analysis in Code-mixed Tamil and Tulu

Lavanya Sambath Kumar, Asha Hegde, Bharathi Raja Chakravarthi, Hosahalli Lakshmaiah Shashirekha, Rajeswari Natarajan, Sajeetha Thavareesan, Ratnasingam Sakuntharaj, Thenmozhi Durairaj, Prasanna Kumar Kumaresan and Charmathi Rajkumar

Overview of the Second Shared Task on Fake News Detection in Dravidian Languages: DravidianLangTech@EACL 2024

Malliga Subramanian, Bharathi Raja Chakravarthi, Kogilavani Shanmugavadivel, Santhiya Pandiyan, Prasanna Kumar Kumaresan, Balasubramanian Palani, Premjith B, Vanaja k, Mithunja S, Devika K, Hariprasath S.B, Haripriya B and Vigneshwar E

Findings of the First Shared Task on Offensive Span Identification from Code-Mixed Kannada-English Comments

Manikandan Ravikiran, Ratnavel Rajalakshmi, Bharathi Raja Chakravarthi, Anand Kumar Madasamy and Sajeetha Thavareesan

15:45 - 17:00 *Tea Break*

17:00 - 17:15 *Meeting, Awards, Closing (TBD)*