

Second Workshop on Speech and Language Technologies for Dravidian Languages (DravidianLangTech 2022)

Dublin, Ireland
26 May 2022

ISBN: 978-1-7138-6735-7

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2022) by the Association for Computational Linguistics
All rights reserved.

Printed with permission by Curran Associates, Inc. (2023)

For permission requests, please contact the Association for Computational Linguistics
at the address below.

Association for Computational Linguistics
209 N. Eighth Street
Stroudsburg, Pennsylvania 18360

Phone: 1-570-476-8006

Fax: 1-570-476-0860

acl@aclweb.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

Table of Contents

<i>BERT-Based Sequence Labelling Approach for Dependency Parsing in Tamil</i> C S Ayush Kumar, Advait Das Maharana, Srinath Murali, Premjith B and Soman KP	1
<i>A Dataset for Detecting Humor in Telugu Social Media Text</i> Sriphani Vardhan Bellamkonda, Maithili Lohakare and Shaswat P Patel	9
<i>MuCoT: Multilingual Contrastive Training for Question-Answering in Low-resource Languages</i> Gokul Karthik Kumar, Abhishek Singh Gehlot, Sahal Shaji Mullappilly and Karthik Nandakumar 15	
<i>TamilATIS: Dataset for Task-Oriented Dialog in Tamil</i> Ramaneswaran S, Sanchit Vijay and Kathiravan Srinivasan	25
<i>DE-ABUSE@TamilNLP-ACL 2022: Transliteration as Data Augmentation for Abuse Detection in Tamil</i> Vasanth Palanikumar, Sean Benhur, Adeep Hande and Bharathi Raja Chakravarthi	33
<i>UMUTeam@TamilNLP-ACL2022: Emotional Analysis in Tamil</i> José Antonio García-Díaz, Miguel Ángel Rodríguez García and Rafael Valencia-García	39
<i>UMUTeam@TamilNLP-ACL2022: Abusive Detection in Tamil using Linguistic Features and Transformers</i> José Antonio García-Díaz, Manuel Valencia-Garcia and Rafael Valencia-García	45
<i>hate-alert@DravidianLangTech-ACL2022: Ensembling Multi-Modalities for Tamil TrollMeme Classification</i> Mithun Das, Somnath Banerjee and Animesh Mukherjee	51
<i>JudithJeyafreedaAndrew@TamilNLP-ACL2022: CNN for Emotion Analysis in Tamil</i> Judith Jeyafreeda Andrew	58
<i>MUCIC@TamilNLP-ACL2022: Abusive Comment Detection in Tamil Language using 1D Conv-LSTM</i> Fazlourrahman Balouchzahi, Anusha M D Gowda, Hosahalli Lakshmaiah Shashirekha and Grigori Sidorov	64
<i>CEN-Tamil@DravidianLangTech-ACL2022: Abusive Comment detection in Tamil using TF-IDF and Random Kitchen Sink Algorithm</i> Prasanth S N, R Aswin Raj, Adhithan P, Premjith B and Soman KP	70
<i>NITK-IT_NLP@TamilNLP-ACL2022: Transformer based model for Toxic Span Identification in Tamil</i> Hariharan RamakrishnaIyer LekshmiAmmal, Manikandan Ravikiran and Anand Kumar Madasamy	75
<i>TeamX@DravidianLangTech-ACL2022: A Comparative Analysis for Troll-Based Meme Classification</i> Rabindra Nath Nandi, Firoj Alam and Preslav Nakov	79
<i>GJG@TamilNLP-ACL2022: Emotion Analysis and Classification in Tamil using Transformers</i> Janvi Prasad, Gaurang Prasad and Gunavathi C	86
<i>GJG@TamilNLP-ACL2022: Using Transformers for Abusive Comment Classification in Tamil</i> Gaurang Prasad, Janvi Prasad and Gunavathi C	93

<i>HIITDWD@TamilNLP-ACL2022: Transformer-based approach to classify abusive content in Dravidian Code-mixed text</i>	
Shankar Biradar and Sunil Saumya	100
<i>PANDAS@TamilNLP-ACL2022: Emotion Analysis in Tamil Text using Language Agnostic Embeddings</i>	
Divyasri K, Gayathri G L, Krithika Swaminathan, Thenmozhi Durairaj, Bharathi B and Senthil Kumar B	105
<i>PANDAS@Abusive Comment Detection in Tamil Code-Mixed Data Using Custom Embeddings with LaBSE</i>	
Krithika Swaminathan, Divyasri K, Gayathri G L, Thenmozhi Durairaj and Bharathi B	112
<i>Translation Techies @DravidianLangTech-ACL2022-Machine Translation in Dravidian Languages</i>	
Piyushi Goyal, Musica Supriya, Dinesh Acharya U and Ashalatha Nayak	120
<i>SSNCSE_NLP@TamilNLP-ACL2022: Transformer based approach for Emotion analysis in Tamil language</i>	
Bharathi B and Josephine Varsha	125
<i>SSN_MLRG1@DravidianLangTech-ACL2022: Troll Meme Classification in Tamil using Transformer Models</i>	
Shruthi Hariprasad, Sarika Esackimuthu, Saritha Madhavan, Rajalakshmi Sivanaiah and Angel Deborah S	132
<i>BpHigh@TamilNLP-ACL2022: Effects of Data Augmentation on Indic-Transformer based classifier for Abusive Comments Detection in Tamil</i>	
Bhavish Pahwa	138
<i>MUCS@DravidianLangTech@ACL2022: Ensemble of Logistic Regression Penalties to Identify Emotions in Tamil Text</i>	
Asha Hegde, Sharal Coelho and Hosahalli Lakshmaiah Shashirekha	145
<i>BPHC@DravidianLangTech-ACL2022-A comparative analysis of classical and pre-trained models for troll meme classification in Tamil</i>	
Achyuta Krishna V, Mithun Kumar S R, Aruna Malapati and Lov Kumar	151
<i>SSNCSE NLP@TamilNLP-ACL2022: Transformer based approach for detection of abusive comment for Tamil language</i>	
Bharathi B and Josephine Varsha	158
<i>Varsini_and_Kirthanna@DravidianLangTech-ACL2022-Emotional Analysis in Tamil</i>	
Varsini S, Kirthanna Rajan, Angel Deborah S, Rajalakshmi Sivanaiah, Sakaya Milton Rajendram and Mirnalinee T T	165
<i>CUET-NLP@DravidianLangTech-ACL2022: Investigating Deep Learning Techniques to Detect Multi-modal Troll Memes</i>	
Md Maruf Hasan, Nusratul Jannat, Eftekhari Hossain, Omar Sharif and Mohammed Moshuiul Hoque	170
<i>PICT@DravidianLangTech-ACL2022: Neural Machine Translation On Dravidian Languages</i>	
Aditya Vyawahare, Rahul Tangsali, Aditya Mandke, Onkar Rupesh Litake and Dipali Kadam	177
<i>Sentiment Analysis on Code-Switched Dravidian Languages with Kernel Based Extreme Learning Machines</i>	
Mithun Kumar S R, Lov Kumar and Aruna Malapati	184

<i>CUET-NLP@DravidianLangTech-ACL2022: Exploiting Textual Features to Classify Sentiment of Multimodal Movie Reviews</i>	
Nasehatul Mustakim, Nusratul Jannat, Md Maruf Hasan, Eftekhari Hossain, Omar Sharif and Mohammed Moshuiul Hoque	191
<i>CUET-NLP@TamilNLP-ACL2022: Multi-Class Textual Emotion Detection from Social Media using Transformer</i>	
Nasehatul Mustakim, Rabeya Akter Rabu, Golam Sarwar Md. Mursalin, Eftekhari Hossain, Omar Sharif and Mohammed Moshuiul Hoque	199
<i>DLRG@DravidianLangTech-ACL2022: Abusive Comment Detection in Tamil using Multilingual Transformer Models</i>	
Ratnavel Rajalakshmi, Ankita Duraphe and Antonette Shibani	207
<i>Aanisha@TamilNLP-ACL2022: Abusive Detection in Tamil</i>	
Aanisha Bhattacharyya	214
<i>COMBATANT@TamilNLP-ACL2022: Fine-grained Categorization of Abusive Comments using Logistic Regression</i>	
Alamgir Hossain, Mahathir Mohammad Bishal, Eftekhari Hossain, Omar Sharif and Mohammed Moshuiul Hoque	221
<i>Optimize_Prime@DravidianLangTech-ACL2022: Emotion Analysis in Tamil</i>	
Omkar Bhushan Gokhale, Shantanu Patankar, Onkar Rupesh Litake, Aditya Mandke and Dipali Kadam	229
<i>Optimize_Prime@DravidianLangTech-ACL2022: Abusive Comment Detection in Tamil</i>	
Shantanu Patankar, Omkar Bhushan Gokhale, Onkar Rupesh Litake, Aditya Mandke and Dipali Kadam	235
<i>Zero-shot Code-Mixed Offensive Span Identification through Rationale Extraction</i>	
Manikandan Ravikiran and Bharathi Raja Chakravarthi	240
<i>DLRG@TamilNLP-ACL2022: Offensive Span Identification in Tamil using BiLSTM-CRF approach</i>	
Ratnavel Rajalakshmi, Mohit Madhukar More, Bhamatipati Naga Shrikriti, Gitansh Saharan, Hanchate Samyuktha and Sayantan Nandy	248
<i>Findings of the Shared Task on Multimodal Sentiment Analysis and Troll Meme Classification in Dravidian Languages</i>	
Premjith B, Bharathi Raja Chakravarthi, Malliga Subramanian, Bharathi B, Soman KP, Dhanalakshmi V, Sreelakshmi K, Arunaggiri Pandian and Prasanna Kumar Kumaresan	254
<i>Findings of the Shared Task on Offensive Span Identification from Code-Mixed Tamil-English Comments</i>	
Manikandan Ravikiran, Bharathi Raja Chakravarthi, Anand Kumar Madasamy, Sangeetha S, Ratnavel Rajalakshmi, Sajeetha Thavareesan, Rahul Ponnusamy and Shankar Mahadevan	261
<i>Overview of the Shared Task on Machine Translation in Dravidian Languages</i>	
Anand Kumar Madasamy, Asha Hegde, Shubhanker Banerjee, Bharathi Raja Chakravarthi, Ruba Priyadharshini, Hosahalli Lakshmaiah Shashirekha and John Philip McCrae	271
<i>Findings of the Shared Task on Emotion Analysis in Tamil</i>	
Anbukkarasi Sampath, Thenmozhi Durairaj, Bharathi Raja Chakravarthi, Ruba Priyadharshini, Subalalitha CN, Kogilavani Shanmugavadeivel, Sajeetha Thavareesan, Sathiyaraj Thangasamy, Parameswari Krishnamurthy, Adeep Hande, Sean Benhur, Kishore Kumar Ponnusamy and Santhiya Pandiyan	279

Findings of the Shared Task on Multi-task Learning in Dravidian Languages

Bharathi Raja Chakravarthi, Ruba Priyadharshini, Subalalitha CN, Sangeetha S, Malliga Subramanian, Kogilavani Shanmugavadivel, Parameswari Krishnamurthy, Adeep Hande, Siddhanth U Hegde, Roshan Nayak and Swetha Valli 286

Overview of Abusive Comment Detection in Tamil-ACL 2022

Ruba Priyadharshini, Bharathi Raja Chakravarthi, Subalalitha CN, Thenmozhi Durairaj, Malliga Subramanian, Kogilavani Shanmugavadivel, Siddhanth U Hegde and Prasanna Kumar Kumaresan 292