DravidianLangTech EACL 2021

16th conference of the European Chapter of the Association for Computational Linguistics (EACL)

Proceedings of the First Workshop on Speech and Language Technologies for Dravidian Languages

April 19,2021

©2021 The Association for Computational Linguistics

Order copies of this and other ACL proceedings from:

Association for Computational Linguistics (ACL)
209 N. Eighth Street
Stroudsburg, PA 18360
USA
Tel: +1-570-476-8006
Fax: +1-570-476-0860
acl@aclweb.org

ISBN 978-1-954085-06-0

Preface

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 (Tamil) family of languages. Dravidian is the name for the Tamil languages or Tamil people in Sanskrit, and all the current Dravidian languages were called a branch of Tamil in old Jain, Bhraminic, and Buddhist literature (Caldwell, 1875). 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 Tamili 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 first workshop on speech and language technologies for Dravidian languages.

The broader objective of DravidianLangTech-2021 was

- To investigate challenges related to speech and language resource creation for Dravidian languages.
- To promote a research in speech and language technology in Dravidian languages.
- To adopt appropriate language technology models which suit Dravidian languages
- To provide opportunities for researchers from the Dravidian language community from around the world to collaborate with other researchers.

Organizing Committee

- Bharathi Raja Chakravarthi, Insight SFI Research Centre for Data Analytics, Data Science Institute, National University of Ireland Galway
- Ruba Priyadharshini, Saraswathi Narayanan College, Madurai, India
- Anand Kumar M, Department of Information Technology, National Institute of Technology Karnataka Surathkal, India.
- Parameswari Krishnamurthy, Centre for Applied Linguistics and Translation Studies, University of Hyderabad, Telangana, India.
- Elizabeth Sherly, Indian Institute of Information Technology and Management-Kerala, India

Programme Committee

- Adeep Hande, Indian Institute of Information Technology Tiruchirappalli, Tamil Nadu, India
- Bharathi B, SSN College of Engineering, Tamil Nadu, India
- Barry Haddow, University of Edinburgh, United Kingdom
- Charangan Vasantharajan, University of Moratuwa, Sri Lanka
- Deepak Padmanabhan, Queen's University Belfast, United Kingdom
- Dhanalakshmi V, Tamil Virtual Academy, Tamil Nadu, India
- Dhivya Chinnappa, Thomson Reuters, United States of America
- Eswari Rajagopal, National Institute of Technology Tiruchirappalli, Tamil Nadu, India
- Fausto Giunchiglia, Universit di Trento, Italy
- Gihan Dias, University of Moratuwa, SriLanka
- Hema A Murthy, Indian Institute of Technology Madras, Tamil Nadu, India
- Marcos Zampieri, Rochester Institute of Technology, United States of America
- Manikandan Ravikiran, Hitachi Research and Development, India
- Melvin Johnson, Google, United States of America
- Mihael Arcan, National University of Ireland Galway
- Navya Jose, Indian Institute Of Information Technology and Management Kerala, India
- Premjith, Amrita Vishwa Vidyapeetham, Kerala, India
- Prem Kumar, Central Institute of Indian Languages, Mysore, India
- Punyajoy Saha, Indian Institute of Technology, Kharagpur
- Rajendran Sankaravelayuthan, Amrita Vishwa Vidyapeetham, India
- Sai Krishna Rallabandi, Carnegie Mellon University, United States of America

- Sai Muralidhar Jayanthi, Carnegie Mellon University, United States of America
- Sainik Kumar Mahata, Institute of Engineering and Management, India
- Sara Renjit, Cochin University of Science and Technology, Kerala, India
- S. Sangeetha, National Institute of Technology-Trichy, Tamil Nadu, India
- Sinnathamby Mahesan, University of Jaffna, Sri Lanka
- Subalalitha N, SRM Institute of Science and Technology, India
- Sudheer Kolachina, Amazon, United Kingdom
- Thavareesan Sajeetha, Eastern University, Sri Lanka
- Thenmozhi D, Sri Sivasubramaniya Nadar College of Engineering, Tamil Nadu, India
- Thomas Mandl, Universitt Hildesheim, Germany
- Tony McEnery, Lancaster University, United Kingdom
- Uma Maheshwar Rao, University of Hyderabad, India
- Uthayasanker Thayasivam, University of Moratuwa, SriLanka
- Vasu Renganathan, UPenn University of Pennsylvania, United State of America

Table of Contents

Tamil Lyrics Corpus: Analysis and Experiments
Dhivya Chinnappa and Praveenraj Dhandapani 1

DOSA: Dravidian Code-Mixed Offensive Span Identification Dataset
Manikandan Ravikiran and Subbiah Annamalai 10

Towards Offensive Language Identification for Dravidian Languages
Siva Sai and Yashvardhan Sharma 18

Sentiment Classification of Code-Mixed Tweets using Bi-Directional RNN and Language Tags
Sainik Mahata, Dipankar Das and Sivaji Bandyopadhyay 28

Offensive language identification in Dravidian code mixed social media text
SUNIL SAUMYA, Abhinav Kumar and Jyoti Prakash Singh 36

Sentiment Analysis of Dravidian Code Mixed Data
Asrita Venkata Mandalam and Yashvardhan Sharma 46

Unsupervised Machine Translation On Dravidian Languages
Sai Koneru, Danni Liu and Jan Niehues 55

Graph Convolutional Networks with Multi-headed Attention for Code-Mixed Sentiment Analysis
Suman Dowlagar and Radhika Mamidi 65

Task-Specific Pre-Training and Cross Lingual Transfer for Sentiment Analysis in Dravidian Code-Switched Languages
Akshat Gupta, Sai Krishna Rallabandi and Alan W Black 73

Analysis of Uvama Urubugal in Tamil Sangam Literatures
SUBALALITHA CN 80

Task-Oriented Dialog Systems for Dravidian Languages
Tushar Kanakagiri and Karthik Radhakrishnan 85

A Survey on Paralinguistics in Tamil Speech Processing
Anosha Ignatius and Uthayasanker Thayasivam 94

Is this Enough?-Evaluation of Malayalam Wordnet
Nandu Chandran Nair, Maria-chiara Giangregorio and Fausto Giunchiglia 100

LA-SACo: A Study of Learning Approaches for Sentiments Analysis inCode-Mixing Texts
Fazlourrahman Balouchzahi and H L Shashirekha 109

Findings of the Shared Task on Machine Translation in Dravidian languages
Bharathi Raja Chakravarthi, Ruba Priyadharshini, Shubhanker Banerjee, Richard Saldanha, John P. McCrae, Anand Kumar M, Parameswari Krishnamurthy and Melvin Johnson 119

Findings of the Shared Task on Troll Meme Classification in Tamil
Shardul Suryawanshi and Bharathi Raja Chakravarthi 126

Findings of the Shared Task on Offensive Language Identification in Tamil, Malayalam, and Kannada
Bharathi Raja Chakravarthi, Ruba Priyadharshini, Navya Jose, Anand Kumar M, Thomas Mandl, Prasanna Kumar Kumaresan, Rahul Ponnusamy, Hariharan R L, John P. McCrae and Elizabeth Sherly 133

GX@DravidianLangTech-EACL2021: Multilingual Neural Machine Translation and Back-translation
Wanying Xie 146

OFFLangOne@DravidianLangTech-EACL2021: Transformers with the Class Balanced Loss for Offensive Language Identification in Dravidian Code-Mixed text.
Suman Dowlagar and Radhika Mamidi 154

Simon @ DravidianLangTech-EACL2021: Detecting Offensive Content in Kannada Language
Qinyu Que 160

Codewithzichao@DravidianLangTech-EACL2021: Exploring Multilingual Transformers for Offensive Language Identification on Code Mixing Text
Zichao Li 164

JudithJeyafreedaAndrew@DravidianLangTech-EACL2021:Offensive language detection for Dravidian Code-mixed YouTube comments
Judith Jeyafreeda Andrew 169

professionals@DravidianLangTech-EACL2021: Malayalam Offensive Language Identification - A Minimalistic Approach
Srinath Nair and Dolton Fernandes 175

UVCE-IIITT@DravidianLangTech-EACL2021: Tamil Troll Meme Classification: You need to Pay more Attention
Siddhanth U Hegde, Adeep Hande, Ruba Priyadharshini, Sajeetha Thavareesan and Bharathi Raja Chakravarthi 180

IIITT@DravidianLangTech-EACL2021: Transfer Learning for Offensive Language Detection in Dravidian Languages
Konthala Yasaswini, Karthik Puranik, Adeep Hande, Ruba Priyadharshini, Sajeetha Thavareesan and Bharathi Raja Chakravarthi 187

Hypers@DravidianLangTech-EACL2021: Offensive language identification in Dravidian code-mixed YouTube Comments and Posts
Charangan Vasantharajan and Uthayasanker Thayasivam 195

HUB@DravidianLangTech-EACL2021: Identify and Classify Offensive Text in Multilingual Code Mixing in Social Media
Bo Huang and Yang Bai 203

HUB@DravidianLangTech-EACL2021: Meme Classification for Tamil Text-Image Fusion
Bo Huang and Yang Bai 210

ZYJ123@DravidianLangTech-EACL2021: Offensive Language Identification based on XLM-RoBERTa with DPCNN
Yingjia Zhao and Xin Tao 216

IIITK@DravidianLangTech-EACL2021: Offensive Language Identification and Meme Classification in Tamil, Malayalam and Kannada
Nikhil Ghanghor, Parameswari Krishnamurthy, Sajeetha Thavareesan, Ruba Priyadharshini and Bharathi Raja Chakravarthi 222

cs@DravidianLangTech-EACL2021: Offensive Language Identification Based On Multilingual BERT Model
shi chen and bing kong 230

CUSATNLP@DravidianLangTech-EACL2021:Language Agnostic Classification of Offensive Content in Tweets
Sara Renjit and Sumam Mary Idicula 236

IIIT_DWD@EACL2021: Identifying Troll Meme in Tamil using a hybrid deep learning approach
Ankit Kumar Mishra and SUNIL SAUMYA 243

Amrita_CEN_NLP@DravidianLangTech-EACL2021: Deep Learning-based Offensive Language Identification in Malayalam, Tamil and Kannada
Sreelakshmi K, Premjith B and Soman KP 249

NLP-CUET@DravidianLangTech-EACL2021: Offensive Language Detection from Multilingual Code-Mixed Text using Transformers
Omar Sharif, Eftekhar Hossain and Mohammed Moshiul Hoque 255

IRLAB-DAIICT@DravidianLangTech-EACL2021: Neural Machine Translation
Raj Prajapati, Vedant Vijay Parikh and Prasenjit Majumder 262

IRNLP_DAIICT@DravidianLangTech-EACL2021:Offensive Language identification in Dravidian Languages using TF-IDF Char N-grams and MuRIL
Bhargav Dave, Shripad Bhat and Prasenjit Majumder 266

Hate-Alert@DravidianLangTech-EACL2021: Ensembling strategies for Transformer-based Offensive language Detection
Debjoy Saha, Naman Paharia, Debajit Chakraborty, Punyajoy Saha and Animesh Mukherjee . . 270

TrollMeta@DravidianLangTech-EACL2021: Meme classification using deep learning
Manoj Balaji J and Chinmaya HS 277

Maoqin @ DravidianLangTech-EACL2021: The Application of Transformer-Based Model
Maoqin Yang 281

Simon @ DravidianLangTech-EACL2021: Meme Classification for Tamil with BERT
Qinyu Que 287

Bitions@DravidianLangTech-EACL2021: Ensemble of Multilingual Language Models with Pseudo Labeling for offence Detection in Dravidian Languages
Debapriya Tula, Prathyush Potluri, Shreyas MS, Sumanth Doddapaneni, Pranjal Sahu, Rohan Sukumaran and Parth Patwa 291

NLP-CUET@DravidianLangTech-EACL2021: Investigating Visual and Textual Features to Identify Trolls from Multimodal Social Media Memes
Eftekhar Hossain, Omar Sharif and Mohammed Moshiul Hoque 300

SJ_AJ@DravidianLangTech-EACL2021: Task-Adaptive Pre-Training of Multilingual BERT models for Offensive Language Identification
Sai Muralidhar Jayanthi and Akshat Gupta 307

SSNCSE_NLP@DravidianLangTech-EACL2021: Offensive Language Identification on Multilingual Code Mixing Text
Bharathi B and Agnusimmaculate Silvia A 313

JUNLP@DravidianLangTech-EACL2021: Offensive Language Identification in Dravidian Langauges
Avishek Garain, Atanu Mandal and Sudip Kumar Naskar 319

MUCS@DravidianLangTech-EACL2021:COOLI-Code-Mixing Offensive Language Identification
Fazlourrahman Balouchzahi, Aparna B K and H L Shashirekha 323

indicnlp@kgp at DravidianLangTech-EACL2021: Offensive Language Identification in Dravidian Languages
Kushal Kedia and Abhilash Nandy 330

SSNCSE_NLP@DravidianLangTech-EACL2021: Meme classification for Tamil using machine learning approach
Bharathi B and Agnusimmaculate Silvia A 336

MUCS@ - Machine Translation for Dravidian Languages using Stacked Long Short Term Memory
Asha Hegde, Ibrahim Gashaw and Shashirekha H.L. 340

OffTamil@DravideanLangTech-EASL2021: Offensive Language Identification in Tamil Text
Disne Sivalingam and Sajeetha Thavareesan 346

Codewithzichao@DravidianLangTech-EACL2021: Exploring Multimodal Transformers for Meme Classification in Tamil Language
Zichao Li 352

DLRG@DravidianLangTech-EACL2021: Transformer based approachfor Offensive Language Identification on Code-Mixed Tamil
Ratnavel Rajalakshmi, Yashwant Reddy and Lokesh Kumar 357

Conference Program

Tuesday, April 20, 2021

09:00–09:30 Keynote: Vasu Renganathan (Dravidian Languages)

09:30–10:00 Keynote: John P McCrae (Under-resourced Languages)

10:00–11:00 Paper Session I

10:00–10:15 *Tamil Lyrics Corpus: Analysis and Experiments*
Dhivya Chinnappa and Praveenraj Dhandapani

10:15–10:30 *DOSA: Dravidian Code-Mixed Offensive Span Identification Dataset*
Manikandan Ravikiran and Subbiah Annamalai

10:30–10:45 *Towards Offensive Language Identification for Dravidian Languages*
Siva Sai and Yashvardhan Sharma

10:45–11:00 *Sentiment Classification of Code-Mixed Tweets using Bi-Directional RNN and Language Tags*
Sainik Mahata, Dipankar Das and Sivaji Bandyopadhyay

11:00–11:30 Break

Tuesday, April 20, 2021 (continued)

11:30–13:00 Paper Session II

11:30–11:45 *Offensive language identification in Dravidian code mixed social media text*
SUNIL SAUMYA, Abhinav Kumar and Jyoti Prakash Singh

11:45–12:00 *Sentiment Analysis of Dravidian Code Mixed Data*
Asrita Venkata Mandalam and Yashvardhan Sharma

12:00–12:15 *Unsupervised Machine Translation On Dravidian Languages*
Sai Koneru, Danni Liu and Jan Niehues

12:15–12:30 *Graph Convolutional Networks with Multi-headed Attention for Code-Mixed Sentiment Analysis*
Suman Dowlagar and Radhika Mamidi

12:30–12:45 *Task-Specific Pre-Training and Cross Lingual Transfer for Sentiment Analysis in Dravidian Code-Switched Languages*
Akshat Gupta, Sai Krishna Rallabandi and Alan W Black

12:45–13:00 *Analysis of Uvama Urubugal in Tamil Sangam Literatures*
SUBALALITHA CN

13:00–14:00 Lunch Break

Tuesday, April 20, 2021 (continued)

14:00–15:00 Paper Session III

14:00–14:15 *Task-Oriented Dialog Systems for Dravidian Languages*
Tushar Kanakagiri and Karthik Radhakrishnan

14:15–14:30 *A Survey on Paralinguistics in Tamil Speech Processing*
Anosha Ignatius and Uthayasanker Thayasivam

14:30–14:45 *Is this Enough?-Evaluation of Malayalam Wordnet*
Nandu Chandran Nair, Maria-chiara Giangregorio and Fausto Giunchiglia

14:45–15:00 *LA-SACo: A Study of Learning Approaches for Sentiments Analysis inCode-Mixing Texts*
Fazlourrahman Balouchzahi and H L Shashirekha

15:00–16:00 Session Poster: Poster Session

15:00–16:00 *Findings of the Shared Task on Machine Translation in Dravidian languages*
Bharathi Raja Chakravarthi, Ruba Priyadharshini, Shubhanker Banerjee, Richard Saldanha, John P. McCrae, Anand Kumar M, Parameswari Krishnamurthy and Melvin Johnson

15:00–16:00 *Findings of the Shared Task on Troll Meme Classification in Tamil*
Shardul Suryawanshi and Bharathi Raja Chakravarthi

15:00–16:00 *Findings of the Shared Task on Offensive Language Identification in Tamil, Malayalam, and Kannada*
Bharathi Raja Chakravarthi, Ruba Priyadharshini, Navya Jose, Anand Kumar M, Thomas Mandl, Prasanna Kumar Kumaresan, Rahul Ponnusamy, Hariharan R L, John P. McCrae and Elizabeth Sherly

15:00–16:00 *GX@DravidianLangTech-EACL2021: Multilingual Neural Machine Translation and Back-translation*
Wanying Xie

15:00–16:00 *OFFLangOne@DravidianLangTech-EACL2021: Transformers with the Class Balanced Loss for Offensive Language Identification in Dravidian Code-Mixed text.*
Suman Dowlagar and Radhika Mamidi

15:00–16:00 *Simon @ DravidianLangTech-EACL2021: Detecting Offensive Content in Kannada Language*
Qinyu Que

Tuesday, April 20, 2021 (continued)

15:00–16:00 *Codewithzichao@DravidianLangTech-EACL2021: Exploring Multilingual Transformers for Offensive Language Identification on Code Mixing Text*
Zichao Li

15:00–16:00 *JudithJeyafreedaAndrew@DravidianLangTech-EACL2021:Offensive language detection for Dravidian Code-mixed YouTube comments*
Judith Jeyafreeda Andrew

15:00–16:00 *professionals@DravidianLangTech-EACL2021: Malayalam Offensive Language Identification - A Minimalistic Approach*
Srinath Nair and Dolton Fernandes

15:00–16:00 *UVCE-IIITT@DravidianLangTech-EACL2021: Tamil Troll Meme Classification: You need to Pay more Attention*
Siddhanth U Hegde, Adeep Hande, Ruba Priyadharshini, Sajeetha Thavareesan and Bharathi Raja Chakravarthi

15:00–16:00 *IIITT@DravidianLangTech-EACL2021: Transfer Learning for Offensive Language Detection in Dravidian Languages*
Konthala Yasaswini, Karthik Puranik, Adeep Hande, Ruba Priyadharshini, Sajeetha Thavareesan and Bharathi Raja Chakravarthi

15:00–16:00 *Hypers@DravidianLangTech-EACL2021: Offensive language identification in Dravidian code-mixed YouTube Comments and Posts*
Charangan Vasantharajan and Uthayasanker Thayasivam

15:00–16:00 *HUB@DravidianLangTech-EACL2021: Identify and Classify Offensive Text in Multilingual Code Mixing in Social Media*
Bo Huang and Yang Bai

15:00–16:00 *HUB@DravidianLangTech-EACL2021: Meme Classification for Tamil Text-Image Fusion*
Bo Huang and Yang Bai

15:00–16:00 *ZYJ123@DravidianLangTech-EACL2021: Offensive Language Identification based on XLM-RoBERTa with DPCNN*
Yingjia Zhao and Xin Tao

15:00–16:00 *IIITK@DravidianLangTech-EACL2021: Offensive Language Identification and Meme Classification in Tamil, Malayalam and Kannada*
Nikhil Ghanghor, Parameswari Krishnamurthy, Sajeetha Thavareesan, Ruba Priyadharshini and Bharathi Raja Chakravarthi

15:00–16:00 *cs@DravidianLangTech-EACL2021: Offensive Language Identification Based On Multilingual BERT Model*
shi chen and bing kong

15:00–16:00 *CUSATNLP@DravidianLangTech-EACL2021:Language Agnostic Classification of Offensive Content in Tweets*
Sara Renjit and Sumam Mary Idicula

Tuesday, April 20, 2021 (continued)

15:00–16:00 *IIIT_DWD@EACL2021: Identifying Troll Meme in Tamil using a hybrid deep learning approach*
Ankit Kumar Mishra and SUNIL SAUMYA

15:00–16:00 *Amrita_CEN_NLP@DravidianLangTech-EACL2021: Deep Learning-based Offensive Language Identification in Malayalam, Tamil and Kannada*
Sreelakshmi K, Premjith B and Soman KP

15:00–16:00 *NLP-CUET@DravidianLangTech-EACL2021: Offensive Language Detection from Multilingual Code-Mixed Text using Transformers*
Omar Sharif, Eftekhar Hossain and Mohammed Moshiul Hoque

15:00–16:00 *IRLAB-DAIICT@DravidianLangTech-EACL2021: Neural Machine Translation*
Raj Prajapati, Vedant Vijay Parikh and Prasenjit Majumder

15:00–16:00 *IRNLP_DAIICT@DravidianLangTech-EACL2021:Offensive Language identification in Dravidian Languages using TF-IDF Char N-grams and MuRIL*
Bhargav Dave, Shripad Bhat and Prasenjit Majumder

15:00–16:00 *Hate-Alert@DravidianLangTech-EACL2021: Ensembling strategies for Transformer-based Offensive language Detection*
Debjoy Saha, Naman Paharia, Debajit Chakraborty, Punyajoy Saha and Animesh Mukherjee

15:00–16:00 *TrollMeta@DravidianLangTech-EACL2021: Meme classification using deep learning*
Manoj Balaji J and Chinmaya HS

15:00–16:00 *Maoqin @ DravidianLangTech-EACL2021: The Application of Transformer-Based Model*
Maoqin Yang

15:00–16:00 *Simon @ DravidianLangTech-EACL2021: Meme Classification for Tamil with BERT*
Qinyu Que

15:00–16:00 *Bitions@DravidianLangTech-EACL2021: Ensemble of Multilingual Language Models with Pseudo Labeling for offence Detection in Dravidian Languages*
Debapriya Tula, Prathyush Potluri, Shreyas MS, Sumanth Doddapaneni, Pranjal Sahu, Rohan Sukumaran and Parth Patwa

15:00–16:00 *NLP-CUET@DravidianLangTech-EACL2021: Investigating Visual and Textual Features to Identify Trolls from Multimodal Social Media Memes*
Eftekhar Hossain, Omar Sharif and Mohammed Moshiul Hoque

15:00–16:00 *SJ_AJ@DravidianLangTech-EACL2021: Task-Adaptive Pre-Training of Multilingual BERT models for Offensive Language Identification*
Sai Muralidhar Jayanthi and Akshat Gupta

Tuesday, April 20, 2021 (continued)

15:00–16:00 *SSNCSE_NLP@DravidianLangTech-EACL2021: Offensive Language Identification on Multilingual Code Mixing Text*
Bharathi B and Agnusimmaculate Silvia A

15:00–16:00 *JUNLP@DravidianLangTech-EACL2021: Offensive Language Identification in Dravidian Langauges*
Avishek Garain, Atanu Mandal and Sudip Kumar Naskar

15:00–16:00 *MUCS@DravidianLangTech-EACL2021:COOLI-Code-Mixing Offensive Language Identification*
Fazlourrahman Balouchzahi, Aparna B K and H L Shashirekha

15:00–16:00 *indicnlp@kgp at DravidianLangTech-EACL2021: Offensive Language Identification in Dravidian Languages*
Kushal Kedia and Abhilash Nandy

15:00–16:00 *SSNCSE_NLP@DravidianLangTech-EACL2021: Meme classification for Tamil using machine learning approach*
Bharathi B and Agnusimmaculate Silvia A

15:00–16:00 *MUCS@ - Machine Translation for Dravidian Languages using Stacked Long Short Term Memory*
Asha Hegde, Ibrahim Gashaw and Shashirekha H.L.

15:00–16:00 *OffTamil@DravideanLangTech-EASL2021: Offensive Language Identification in Tamil Text*
Disne Sivalingam and Sajeetha Thavareesan

15:00–16:00 *Codewithzichao@DravidianLangTech-EACL2021: Exploring Multimodal Transformers for Meme Classification in Tamil Language*
Zichao Li

15:00–16:00 *DLRG@DravidianLangTech-EACL2021: Transformer based approachfor Offensive Language Identification on Code-Mixed Tamil*
Ratnavel Rajalakshmi, Yashwant Reddy and Lokesh Kumar

Tuesday, April 20, 2021 (continued)

16:00–17:00 Closing Remarks