6th International Conference on Artificial Intelligence and Speech Technology AIST-2024

(13th -14th November, 2024)

Technical Session: 01

Date: 13th November, 2024 (Offline Mode) Time: 11:45 AM – 01:15 PM

S No	Paper ID	Paper Title	Authors
1	61	Analysis of Online Hate Speech Detection for Multilingual and Multimodal Data using Artificial Intelligence	Navya, Anjum, Neha Rani, and Riya Singh
2	63	DeepFake Classification using Fine-Tuned Wave2Vec2.0	Subham Sarkar, Ankita Ghosh, Anshul Gupta
3	80	Emotional Speech Corpus: A Review	Krishna Rohilla, Aaditya Sharma, Nilakshi Srivastav, Nivedita Palia
4	141	Speech Summarization Diverse Challenges and Advancements	Riya Ahlawat, Samriddhi Tiwari, Muskan Singh, Shweta Jindal
5	142	Identifying Disaster-Related Tweets using Natural Language Processing and Core Machine Learning	Aditi Mehta, Arshiya Garg, Ritu Rani, Garima Jaiswal, Arun Sharma
6	202	Machine Learning and Neural Networks for Enhanced Autism Spectrum Detection ASD Detection with ABIDE preprocessed Dataset	Gaytri Mohapatra, Ritu Rani
7	247	Translating Heritage: A Transformer-Oriented Method for Neural Machine Translation from Sanskrit to Hindi	Nandini Sethi, Amita Dev, Poonam Bansal
8	277	Advanced Speech Recognition: Techniques, Challenges, and Applications	Laxmi Ahuja, Saurav Vinod Nair, and Ayush Thakur

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Technical Session: 02

Date: 13th November, 2024 (Offline Mode) Time: 11:45 AM – 01:15 PM

S No	Paper ID	Paper Title	Authors
1	69	Rule-based Named Entity Recognition for Hindi	Devanshi Suri, Nimisha Malviya, Nisheeth Joshi
2	81	Investigating AI Explanations in Medical Diagnosis	Nikita Garg, Manya Joshi, Nidhi Goel, Palak Handa
3	116	A Metric-Driven Comparative Study of Text Summarization Model: Insights from State-of-the-art LLMs	Shivang Gaur, Aman Karunik, Swapnali Naik
4	134	Automatic Assessment of Program Code using CodeBERTScore: A Transformer-based Approach	Hunny Gaur, Devendra K Tayal, Amita Jain
5	139	Survey on the Availability of Datasets for Machine Translation Systems in Indian Languages	Ayushi, Amita Dev, Poonam Bansal
6	267	SHiTraD: Sanskrit-Hindi Translation Dataset	Nandini Sethi, Ayushi, Amita Dev, Poonam Bansal
7	292	Emotional Arousal of Female Politicians: Distinguishing Enthusiasm and Anger Using Data Augmentation and Machine Learning	Hilla Goren Barnea, Vered Silber-Varod, Elishai Ezra Tzur

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Technical Session: 03
Date: 13th November 2024 (Offline Mode) Time: 02:00 - 03:15 PM

S No	Paper ID	Paper Title	Authors
1	56	Harnessing Machine Learning for Feature Extraction in Plant Imaging and Analysis: A Review	Anshika Jain, Akansha Khandelwal, Vandana Singh, Astha Sharma, Ashwni Kumar
2	70	Deepfake Detection: A Comprehensive Analysis of Modern Techniques	Deepanshi Jalan, Shradha Jain, Anandita Tuli, Vanshika Chaudhary, Astha Sharma, Ashwani Kumar
3	71	Transfer Learning for Leaf Disease Image Classification via CNN Model	Kirti Dabas, Anuradha Chug, Amit Prakash Singh, Ravinder Kumar, Veerubommu Shanumugam
4	82	Assessing ChatGPT in Medical Domain	Aikanshi Rohilla, Palak Handa , Nidhi Goel
5	138	Comparative Analysis of Deep Learning Techniques on Tomato Plant Disease Detection	Riya Sharma, Ayushi Pasrija , Saloni Gupta , Poonam Bansal
6	187	Recent Advances in Denoising Techniques for Hyperspectral Image Enhancement	Priyanka Gupta, Garima Jaiswal, Ashish Kumar
7	305	Predictive Models in Biomedical Applications: A Machine Learning Approach	Kanika Wadhwa, D. Ananya , Himanshu Mittal , Arun Sharma , Swaty Wadhwa
8	386	Echoes of Concern: Security Challenges in Voice Assistant Systems	Rakesh Kumar Singh, Charu Gupta

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Technical Session: 04
Date: 13th November 2024 (Offline Mode) Time: 02:00 - 03:15 PM

S No	Paper ID	Paper Title	Paper Title
1	78	Real-Time Detection of Household Objects Using Single-Shot Detection With MobileNet	Pallavi Sharma, Isha Malhotra, Palak Handa, Nidhi Goel
2	90	CTC-Based Automatic Speech Recognition for Hindi language	Arushree Mishra, Suhani, Amita Dev, Poonam Bansal
3	225	Bridging the Gap: Real-Time ASL Fingerspelling to Sentence Translation	Manya Chandna, Abantika Dasgupta, Bhumika Gupta, Ravinder M, S.R.N. Reddy, Rishika Anand
4	244	Dictionary-Based Lexical Resource for Somali Homograph Disambiguation	Abdullahi Mohamed Jibril, Abdisalam Mahamed Badel
5	283	Comparative Evaluation of 3D U-Net and SegResNet Architectures for Brain Tumor Segmentation Using Adam and Ranger21 Optimizers	Nisha Purohit, C P Bhatt, Subodh Kumar
6	289	Advancements in Alzheimer's Disease Detection: A Comprehensive Review of Deep Learning Approaches in MRI Imaging	Khushi Jindal, Seeja K.R, D.K. Tayal
7	306	Image Captioning Using Deep Learning Models: A Comprehensive Overview	Nisha, Shailesh D Kamble , Himanshu Mittal

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Technical Session: 05
Date: 14th November, 2024 (Online Mode) Time: 11:15 AM – 12:45 PM

S No	Paper ID	Paper Title	Authors
1	45	Speech Emotion Classification with Acoustic Features using 1D CNN and LSTM Networks	Yesha Vyas, Shofiya Bootwala, Neha Soni
2	62	Unveiling Voices: Deep Learning Based Noise Dissipation with Real-Time Multi-Speech Separation And Speaker Recognition	Chaitra V, Meera Reji, Meghana Aithal, Varshini Gopal, Shylaja S S
3	74	Identification of Speaker-Specific Features to Minimize the Mismatch Outcomes for Speaker Recognition using Anger and Happy Emotional Speech	Shalini Tomar, Shashidhar G. Koolagudi
4	89	Bilingual Speech Translation Between Tamil and Telugu with Elimination of Dependency on Any Intermediate Languages	Kaarthik R, Rithuh Subhakkrith S, Yasaswini Dharmavarapu, Vignesh Kumar A, Dhanya M Dhanalakshmy, Karthikeyan N G
5	92	Turbocharging Pull Request Reviews: Exploring Generative AI for Code Review	Sourav Datta, Anjali Sharma,Jaymin Rajgor
6	114	NITK-TIEKLS: A Text-Independent Emotional Kannada Language Speech Dataset for Speaker Recognition	Shalini Tomar, Shashidhar G. Koolagudi
7	117	Audioverse: Personalized Story-telling Using Voice Cloning	Kasey Ann Britto, Harini J, Shivanii M, Pranavi Karthik,Kalpana B N, Karthi M
8	155	Customer Churn Prediction Using Artificial Neural Networks	Manish Saini, Saurav Singha, Brijesh Kalakoti, Hashmat Fida

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Technical Session: 06
Date: 14th November, 2024 (Online Mode) Time: 11:15 AM – 12:45 PM

S No	Paper ID	Paper Title	Author
1	84	Human Evaluation of Some Machine Translation Toolkits for English-Hindi Language Pair	Nisheeth Joshi, Riya Lonchenpa, Anju Krishnia, Pragya Katyayan, Mhasilenuo Vizo
2	135	Optimizing Speaker Recognition through Feature Extraction Techniques: A Focus on Gujarati Dialects	Meera M. Shah, Hiren R. Kavathiya
3	222	A.R.I.S.E. Artificial Recognition and Intelligent Sign-language Eyewear - A Multifunctional Smart Glasses System for Enhanced Accessibility and User Assistance	Roshi Bhati, Rahul Thambi, Nikhil Nerurkar, Ketan Shah
4	294	Comparing Audio Speech Recognition and Video Speech Recognition using Neural Networks	Atharva Swami, Neetigya Bisen, Darshak Savant
5	335	NLP-Driven Sentiment Analysis for Fake News Identification: The Responsive Truth	Arpita Singh, Arpit Dubey, Rabins Porwal
6	344	Sign Language to Speech Conversion in Regional Language (Tamil)	Anitha Julian, Pavan Pavan Kumar A B, Janarthanan S, Priyanka S
7	385	A Framework Using Feature Maps Improving Speech Delivery In Preschoolers	Arindam Bindlish, Jitendra Singh Goyal, Vaibhav Gujral, Tanu Dua,Gaurav Dubey

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Technical Session: 07
Date: 14th November, 2024 (Online Mode) Time: 02:30 PM - 04:00 PM

S No	Paper ID	Author	Paper Title
1	32	Exploring State-of-the-Art approaches for Heart Disease Detection: A Detailed Analysis	B. Shamna, C. P. Maheswaran
2	33	A Comprehensive Analysis of Recent Methodologies for Irregular Heart Beat Prediction	K. Rema, C.P. Maheswaran
3	49	Next-Gen Imaging: The Power of Hyperspectral Data and Autoencoders	Pallavi Ranjan, Sushma Hans; Salih Ismail
4	50	Redefining Vision Tasks: The Power of Transformers in Classification, Detection, and Segmentation	Sushma Hans, Pallavi Ranjan, Salih Ismail
5	94	Leveraging Depth Data and Parameter Sharing in Vision Transformers for Improved Face Anti-Spoofing	Aashania Antil, Chhavi Dhiman
6	103	Comparative Analysis of Multiple Embedding Models for Text Based Document Similarity	Shreya Khosla, Shresth Jain, Anupama MA, Rama Subba Reddy Thavva
7	107	Electricity Demand Prediction using Machine Learning	Ali Sadiq Khawja
8	156	AI-Driven Essay Evaluation: Enhancing Accuracy and Fairness in Automated Scoring Systems	Kuldeep Kumar Singh, Gaurav Gupta, Sapna Chaudhary, Sajal Singh Masand, Swati Saran, Shivani Sharma
9	268	CodeBERT-BiGRU for Software Defect Prediction	Priya Singh, Ruchika Malhotra
10	280	AccuRep: A Real-Time Android Application for Exercise Tracking Using MoveNet Pose Detection and Joint Angle Analysis	Atharva Swami, Ishi Prashar, Tanmay Sahasrabudhe, Preeti Agarwal