

Ms. JUDY FLAVIA B, M.E., Ph.D.,
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Ms. JUDY FLAVIA B is working as Assistant Professor in the Department of CSE at SRMIST, Ramapuram campus. She is doing her Ph. D degree in the field of Cloud Storage Security in SRM Institute of Science and Technology and has done her Masters in Cloud from SRMIST KTR campus. She has 5 years of teaching experience with good programming skills. She is certified in various courses from Coursera and NPTEL. She has guided more 10 technical projects for UG students and submitted 6 Research proposals. She has published Research articles in National and International Journals and Conferences and also 5 Patents.

Area of Research:

Computer Vision, Deep Learning and Video Analytics

Selected Publications:

1. J. F. B and B. J. Chelliah, "An Efficient Storage Solution for Healthcare Management Systems Using Cloud," *2022 Third International Conference on Smart Technologies in Computing, Electrical and Electronics (ICSTCEE)*, Bengaluru, India, 2022, pp. 1-7, doi: 10.1109/ICSTCEE56972.2022.10099947.
2. Flavia, B. Judy, P. Kamali Priya, Nayan Chandravanshi, and M. Vaishnavi Amirtham. "Hand Gesture Recognition using AI Algorithm for Hearing Impaired." In *2022 4th International Conference on Inventive Research in Computing Applications (ICIRCA)*, pp. 1069-1072. IEEE, 2022.
3. Aarathi, B., N. Jeenath Shafana, Judy Flavia, and Balika J. Chelliah. "A hybrid multiclass classifier approach for the detection of malicious domain names using RNN model." In *Computational Vision and Bio-Inspired Computing: Proceedings of ICCVBIC 2021*, pp. 471-482. Singapore: Springer Singapore, 2022.
4. Judy Flava, B. "Survey of Triangle Security in Cloud." *INFORMATION TECHNOLOGY IN INDUSTRY* 9, no. 2 (2021): 499-506.
5. Judy Flavia B, Aarathi, B., P. Charitharyan, Renuka Thanmai, and Meghana Kesana. "Implementation of Dynamic Gesture Interpretation of Sign Language for Impact on Hearing and Speech Impairment." In *Handbook of Research on Advanced Practical Approaches to Deepfake Detection and Applications*, pp. 257-274. IGI Global, 2023.

6. Flavia, Judy, Aviraj Patel, Diwakar Jha, and Navnit Jha. "A Wearable Brain-Computer Interface Instrument with Aug-Mented Reality-Based Interface for General Applications." *Indian Journal of Artificial Intelligence and Neural Networking 1* (2021): 23-28.
7. Kowshik, Kondisetty Sai Venkata, Amanolla Harish Reddy, Vankadara Naga Nikhil, and Judy Flavia. "A Reward Based-Approach to Secure Blockchain Mining Pools from Selfish Miners."
8. J. F. B, S. G, P. Mishra and A. Kohli, "Image Denoising for an Efficient Fake Image Identification," *2022 International Conference on Edge Computing and Applications (ICECAA)*, Tamilnadu, India, 2022, pp. 984-989, doi: 10.1109/ICECAA55415.2022.9936093
9. lot Based Sensor for Water Purifier NJS Judy Flavia B Bioscience BioTechnology Research Communications,2020 13 (13), 335- 339

Submitted Proposals:

1. Submitted a Project proposal to DST: Science and Heritage Research Initiative (SHRI) titled on "DEVELOPMENT OF MOBILE USER INTERFACE FOR ANCIENT TAMILI TEXT RECOGNITION, CLASSIFICATION, AND TRANSLATION USING DEEP LEARNING APPROACH"
2. Submitted ICMR proposal titled on "COMPUTER-VISION BASED AI TECHNIQUE TO PREVENT BRAIN STROKE FOR DIABETIC PATIENTS AT EARLY STAGE" under the scheme "Call for Ad-hoc Research Proposals "Reproducible AI in Medicine and Health""
3. Submitted a Project proposal to TNSCST under the SCIENCE AND TECHNOLOGY PROJECT scheme on "CROSS-REGIONAL CROP YIELDINGRECOMMENDATION SYSTEM WITHIN TAMILNADU USING IOT"
4. Submitted a Project Proposal to SEED under the scheme :Technology Interventions for Disabled and Elderly (TIDE) "An acoustic voice bot enabled transportation for elderly and visually Impaired using NLP and cloud for on-demand cabs"
5. Submitted a Project Proposal to DST: MATRICS Short-term special call on COVID-"A ROBUST STATISTICAL AI MODEL FOR TRACKING AND MONITORING COVID-19"
6. Submitted a Project Proposal to SEED: Real-time Replication of Image to Tactile as an Educational Tool for Visually Impaired

Patents:

1. Sign Language Conversion in Online Streaming Presentation for Hearing and Speech Impairment, 202341027374, Publication Date: 05/05/2023
2. The Design And Development Of A Horticulture Monitoring System, 202241008755- Publication Date: 04/03/2022
3. ACCIDENT DETECTION SYSTEM (ADS) USING G-FORCE, 202241028175-

Publication Date:17/06/2022.

4. Australian Patent Grant: Staggered Short Transmission (SST) Protocol for routing during energy saving through WSN,2020103027- Publication Date: 9-12-2020

5. Australian Patent Grant: Secure communication among IoT Devices through iot coin operation WSN,2020103027- Publication Date: 26-9-2020

Google Scholar:

https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=JUDY+FLAVIA+B&oq=judy+

Publons:

Web of Science ResearcherID: AAB-1730-2022