



Taylor & Francis online Publisher, (*SCIE/Scopus Indexed*)

- Rekha H. and Dr. M. Siddappa.,” Model Checking M2M and Centralized IOT authentication Protocols”. First International Conference on Artificial Intelligence, Computational Electronics and Communication System (AICECS 2021), October 2021.

<https://iopscience.iop.org/article/10.1088/1742-6596/2161/1/012042>

IOP: Journal of Physics: Conference Series, Jan 2022. (*Scopus indexed open access journal*)

- Rekha H and Shalini P. M. (March 2016) “Secure Data Storage and Control Access Allowance in Cloud with Authority”. International Journal of Engineering Research & Technology,
- “A Novel Skin Disease Detection Technique Using Machine Learning“, International Journal on Recent and Innovation Trends in Computing and Communication, ISSN: 2321-8169 Volume: 11 Issue: 10s DOI: <https://doi.org/10.17762/ijritcc.v11i10s.7607>, September 2023
- “Mind Control Robotic Arm: Augmentative and Alternative Communication in the Classroom Environment”, International Journal on Recent and Innovation Trends in Computing and Communication ISSN: 2321-8169 Volume: 11 Issue: 10s , DOI: <https://doi.org/10.17762/ijritcc.v11i10s.7649>, September 2023
- Efficient user association strategy for maximizing use satisfaction and resource utilization in heterogeneous cloud radio access networks, International Journal of Electrical and Electronics Research, 12, 160-166, 2024, <https://doi.org/10.37391/IJEER.120123>
- “MRI intracranial neoplasm localization using convolution Neural Network based Residual block ResUnet: A systematic approach”, International Journal of Electrical and Electronics Research, 11, 1128-1135, 2023, <https://doi.org/10.37391/ijeer.110433>
- “MEMS based Wearable Smart-Glove and its Application of Gesture Detection and Sign Language Classification for Vocally Impaired with Integrated Health Monitoring System”, International Journal of Intelligent Systems and Applications in Engineering, 495–502, 2024, <https://ijisae.org/index.php/IJISAE/article/view/5162>

### **Presented in Conferences -7**

- Rekha H. and M. Siddappa. “Internet of Things: Device Security Challenges and Solutions for Smart City Applications”. *International Conference on Multidisciplinary Technologies & Challenges in Industry 4.0(ICMTCI-4.0)*, at East Point College of Engineering & Technology, Bengaluru, Karnataka, September 2020
- Rekha H “2.4 GHz Operational PSI-Shaped Patch antenna design for multipurpose Applications”. *Second IEEE International conference on Smart Technologies and Systems for Next Generation Computing (ICSTSN 2023)* at IFET college of Engineering on 21<sup>st</sup> and 22<sup>nd</sup> April 2023. (*Scopus indexed*)
- An IoT-Based CNN Model for Patients in ICU Beds During the COVID-19 Outburst, 2023 International Conference on Data Science and Network Security (ICDSNS), 22 September 2023, <https://doi.org/10.1109/ICDSNS58469.2023.10244881>
- Diabetic Retinopathy Fundus Image Classification using MSCSO based Optimization with Fuzzy Support Vector Machine, 22 September 2023, 22 September 2023, <https://doi.org/10.1109/ICDSNS58469.2023.10245043>
- “Enhancing Apple Leaf Diagnosis Through Deep Learning Techniques”, 2023 4th International Conference on Smart Electronics and Communication (ICOSEC), 16 October 2023, <https://doi.org/10.1109/ICOSEC58147.2023.10275936>
- “Comparative Study of Deep Learning Techniques for Automated Classification of Lung Diseases”, 2023 4th International Conference on Smart Electronics and Communication (ICOSEC), 16 October 2023,

<https://ieeexplore.ieee.org/document/10275936>, <https://doi.org/10.1109/ICOSEC58147.2023.10276053>

- Rekha H. and M. Siddappa.” Model Checking M2M and Centralized IOT authentication Protocols”. *First International Conference on Artificial Intelligence, Computational Electronics and Communication System (AICECS 2021)*, October 2021.
- **Patents Published (Numbers and Description)**  
Automatic Biological Vermi Compost Maker (Granted on 12.7.2023), <https://www.registered-design.service.gov.uk/find/6292761>

## Achievements

- Appointed as a BOE member for CSE Board at VTU, Belgaum
- Recognized as a BOE in IS board at SSIT, Tumkur
- Recognized as an examiner for Ph. D. viva voce at Adichunchanagiri University
- Recognized as a BOS member for CSE Board at East West college of Engineering, Bangalore
- Reviewer for International Conference on Knowledge Engineering and Communication Systems.
- Reviewer for Artificial Intelligence review
- Reviewer for Springer Nature journals
- Professional Membership in ISTE