

SCOPUS, SCI, WoS PUBLICATIONS

| S. No. | Paper Title | Name of the Journal | Indexing | Link to Paper | A.Y |
|---------------|--|---|------------------|---|------------|
| 1 | Design And Analysis Of Reconfigurable Antenna For Wide Band Applications | Journal of Physics: Conference Series | SCOPUS | https://iopscience.iop.org/article/10.1088/1742-6596/2161/1/012073/pdf | 2022-23 |
| 2 | Structural And Material Based Comprehensive Performance Analysis On Shunt Capacitive RF Mems Switch | Journal of Engineering Science and Technology | WoS, SCOPUS | https://jestec.taylors.edu.my/Vol1%2017%20Issue%201%20February%20%202022/17_1_37.pdf | 2022-23 |
| 3 | Jacobian Based Nonlinear Algorithms for Prediction of Optimized RF MEMS Switch Dimensions | Transactions on Electrical and Electronic Materials | SCOPUS, SCI | https://link.springer.com/article/10.1007/s42341-023-00463-7 | 2022-23 |
| 4 | Low-pressure air plasma-treated polytetrafluoroethylene surface for efficient triboelectric Nano generator | Materials Today Sustainability | SCOPUS, SCI | https://www.sciencedirect.com/science/article/abs/pii/S2589234723000167 | 2022-23 |
| 5 | Smart City IoT System Network Level Routing Analysis and Block chain Security Based Implementation | Journal of Electrical Engineering & Technology | SCOPUS, SCI | https://link.springer.com/article/10.1007/s42835-022-01239-4 | 2022-23 |
| 6 | Iterative Approach for Low Actuation Voltage RF MEMS Switch | LNEE Book Chapter | SCOPUS | https://link.springer.com/chapter/10.1007/978-981-16-3767-4_11 | 2022-23 |
| 7 | Comprehensive Analysis and Design of Capacitive RF MEMS Switches for Reconfigurable Microstrip Patch Antenna | Wireless Personal Communications | SCI, SCOPUS, WoS | https://link.springer.com/article/10.1007/s11277-021-09154-z | 2021-22 |
| 8 | Target Application Based Design Approach for RF MEMS Switches using Artificial Neural Networks | Transactions on Electrical and Electronic Materials | SCOPUS | https://link.springer.com/article/10.1007/s42341-021-00378-1 | 2021-22 |
| 9 | Damping Analysis to improve the performance of Shunt Capacitive RF MEMS Switch | FACTA Universitatis Electronics and Energetics | SCOPUS | https://doiserbia.nb.rs/Article.aspx?id=0353-36702103381T | 2021-22 |

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|----|--|--|--------------|---|---------|
| 10 | Design & Analysis of Frequency Reconfigurable Microstrip Patch Antenna for Ku/K Bands Applications using Pin Diode | Proceedings of the Second (ICOSEC). | IEEE, SCOPUS | https://ieeexplore.ieee.org/document/9591946 | 2021-22 |
| 11 | Target Application Based Design Approach for RF MEMS Switches using Artificial Neural Networks | Transactions on Electrical and Electronic Materials | ESCI, SCOPUS | https://link.springer.com/article/10.1007/s42341-021-00378-1 | 2021-22 |
| 12 | Micro Mechanical Thin Film Structures Spring Constant Analysis and Design of Shunt Capacitive RF MEMS Switches | International Journal of Emerging Trends in Engineering Research | SCOPUS | http://www.warse.org/IJETER/static/pdf/file/ijeter1258102020.pdf | 2020-21 |
| 13 | Design and Analysis of RF MEMS Switch For High-Frequency Applications | International Journal of Engineering Trends and Technology | SCOPUS | http://www.ijettjournal.org/Volume-68/Issue-12/IJETT-V68I12P218.pdf | 2020-21 |
| 14 | Design and Advanced Modeling of Electromagnetic and Electromechanical Properties of Reconfigurable Environmental Safe Antenna using RF MEMS Switch | Journal of Green Engineering | SCOPUS | https://www.scopus.com/sourceid/21100237401 | 2020-21 |
| 15 | Reconfigurable Antenna Using RF MEMS Switches Issues and Challenges: A Survey | Springer Nature, Advances in Smart System Technologies | SCOPUS | https://link.springer.com/chapter/10.1007%2F978-981-15-5029-4_11 | 2020-21 |
| 16 | Reconfigurable Antennas For RFID/WLAN/Wimax Applications Using RF MEMS Switches | IEEE Conference | SCOPUS | https://link.springer.com/chapter/10.1007/978-981-16-1570-2_21 | 2020-21 |
| 17 | Automation of Smart Buildings and Integrated Message to Voice Technology using Raspberry Pi 3 for IoT | International Journal of Emerging Trends in Engineering Research | SCOPUS | http://www.warse.org/IJETER/static/pdf/file/ijeter1228102020.pdf | 2020-21 |

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| 18 | Damping Analysis To Improve The Performance Of Shunt Capacitive RF MEMS Switch | International Journal of Emerging Trends in Engineering Research | ESCI | http://casopisi.junis.ni.ac.rs/index.php/FUElectEnerg/article/view/7604 | 2020-21 |
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CONFERENCES /BOOK CHAPTERS

| S.No | Paper Title | Name of the Conference | Indexing | Link to Paper | A.Y |
|------|--|--|----------|---|---------|
| 1 | ECG Signal Classification using Deep Neural Networks with Ensemble Technique | IEEE Conference | SCOPUS | https://ieeexplore.ieee.org/document/9835953 | 2021-22 |
| 2 | Drone Technology Enabled Leaf Disease Detection and Analysis system for Agriculture Applications | IEEE Conference | SCOPUS | https://ieeexplore.ieee.org/document/9591837 | 2021-22 |
| 3 | Smart Vehicle Tracking System with Collision Avoidance | IEEE Conference | SCOPUS | https://ieeexplore.ieee.org/document/9835741 | 2021-22 |
| 4 | Optimization of RF MEMS Switch Using Linear Vector Quantization Network | IEEE Conference | SCOPUS | https://link.springer.com/chapter/10.1007/978-981-19-2308-1_34 | 2021-22 |
| 5 | Artificial Intelligence Enabled Smart City IoT System using Edge Computing | Lecture Notes in Electrical Engineering (Book chapter) | SCOPUS | https://ieeexplore.ieee.org/abstract/document/9591732 | 2020-21 |

PATENTS PUBLISHED

| S.No | Name of the Faculty | Patent Title | Academic Year |
|-------------|----------------------------|--|----------------------|
| 1 | Dr. Prasanthi Jasmine.K | An Economic and Secure Automotive Seating Configured Apparel for Toddlers and Children | 2022-23 |
| 2 | Dr. S.Mallikarjuna Rao | RF MEMS switch dimensions prediction using feed forward and back propagation neural networks | 2022-23 |
| 3 | Mrs B.Sanathi Kiran | UWB Micro strip led 4 element MIMO antenna for 5G applications | 2022-23 |
| 4 | Dr. T.Lakshmi Narayana | RF MEMS switch dimensions prediction using cascade feed forward neural network | 2021-22 |
| 5 | Dr. T.Lakshmi Narayana | Developing an Internet of Medical Things device supported by deep convolution neural networks using liquid crystal polymer sensors for detection and analysis of covid | 2022-23 |
| 6 | Dr. T.Lakshmi Narayana | Autonomous Drone with GNSS, LiDAR-Camera and Website-Based Monitoring for smart navigation applications | 2022-23 |

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BOOKS PUBLISHED

| S.No | Name of the Faculty | Book Title |
|------|-------------------------|--|
| 1 | Dr. K.Prasanthi Jasmine | New Feature Descriptors for Content Based Image Retrieval |
| 2 | Dr. K.Prasanthi Jasmine | Design and Analysis of Micro Strip Antenna |
| 3 | Dr. K.Prasanthi Jasmine | Human Emotion Recognition from face images |
| 4 | Dr. K.Prasanthi Jasmine | Image Forgery Detection |
| 5 | Dr. K.Prasanthi Jasmine | Smart Voting System using CNN |
| 6 | Dr.T Lakshmi Narayana | RF MEMS Switches Design, Simulation Fabrication and Charecterization |

India is a large democratic country. The form of the government allows citizens to cast the vote and elect the leader of their choice. The future of the country and fate of citizens all lies in a single vote. The electronic voting machine gives quick publication of result which is accurate. The one that are temporarily out of their voting stations will have difficulties in casting their votes. Author evokes in this book that online voting should be adopted, as the current process is not flexible for voter's convenience. Online voting will increase the number of voter's participation in the election.



K. Prasanthi Jasmine
K. NAGA PRAKASH

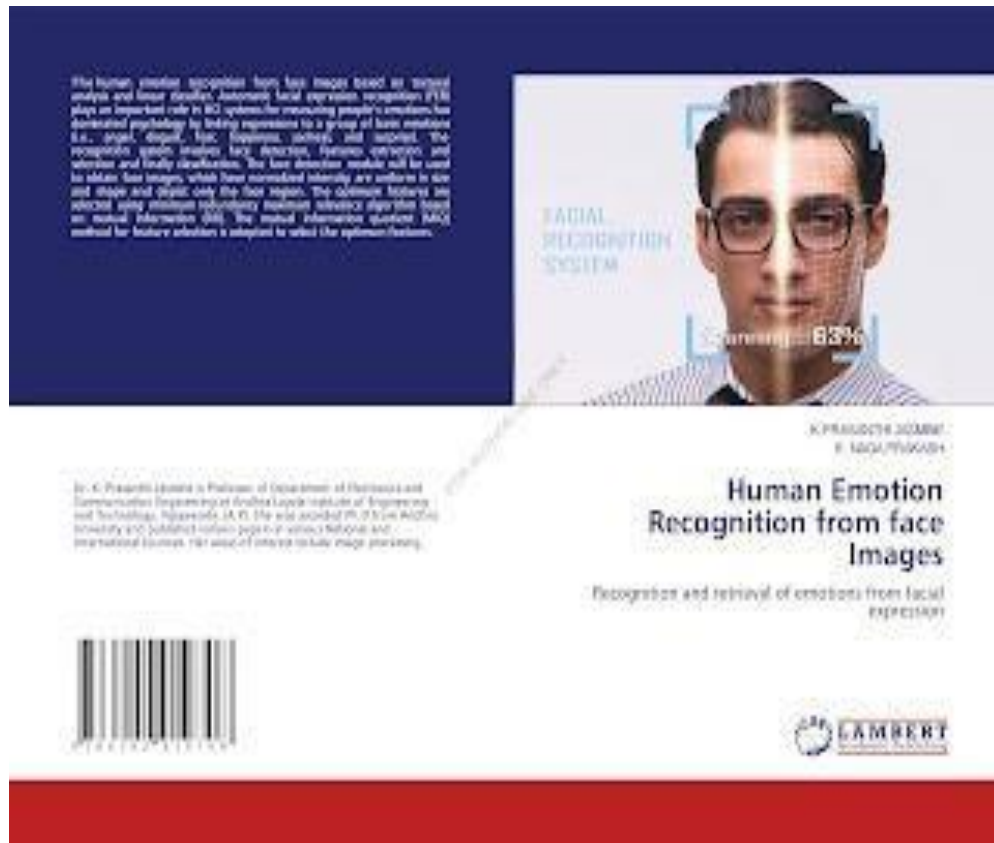
Dr. K. Prasanthi Jasmine, Professor in the Department of Electronics and Communication Engineering, Andhra Loyola Institute of Engineering and Technology, Vijayawada. Pursued her Doctorate (Ph.D) from Andhra University with specialization in Image Processing and M. Tech from Osmania University. She has a professional experience of 20 years.

Smart Voting System Using Convolution Neural Networks

Image Processing



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Digital Images are one of the most widespread forms of multimedia in day-to-day life. These are widely transferred over social networking websites such as Facebook, Instagram, WhatsApp, YouTube, etc. through the Internet. The availability of modern and easy to use editing tools have facilitated the modification of the contents the digital image and videos. Therefore, it has become an essential concern for the lawfulness or legality, and unreliable of these digital images and videos. Digital image and video forgery detection aims to identify the manipulations in the video and image to check its authenticity. These techniques can be divided into active and passive techniques.



K. Naga Prakash
K. Prasanthi Jasmine

Image Forgery Detection

Classification of Various Features

Dr. K. Naga Prakash is Professor in the Gudlavalluru Engineering College. He has professional experience of 25 years and pursued Doctorate from JNTUK, Kakinada, India.
Dr. K. Prasanthi Jasmine is Professor in the Andhra Loyola Institute of Engineering and Technology and has experience of 20 years. She pursued Doctorate from Andhra University, India.



K. Naga Prakash
K. Prasanthi Jasmine

Image Indexing and Retrieval

Feature Extraction Using Local and Global Features

Dr. K. Naga Prakash is Professor in the Department of Electronics and Communication Engineering of Gudlavalluru Engineering College, Andhra Pradesh, India. He also worked on IT from AWS, Google etc. Prasanthi Jasmine has completed her postgraduate in Computer Science and Information Systems. She is the author of the book 'Data Science Introduction for DSA'.



India is a large democratic country. The form of the government allows citizens to cast the vote and elect the leader of their choice. The future of the country and fate of citizens all lies in a single vote. The electronic voting machine gives quick publication of result which is accurate. The one that are temporarily out of their voting stations will have difficulties in casting their votes. Author evokes in this book that online voting should be adopted, as the current process is not flexible for voter's convenience. Online voting will increase the number of voter's participation in the election.



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