



## Electronics & Communication Engineering Department

### Papers published by faculty in Scopus Indexed Journals

| Sl. No | Authors  | Title of the Research Paper   | Journal  | Year | Link   |
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| 1.     | Prof. Sunil Kumar K. N<br>Dr. Shivashankar<br>Dr. Keshavamurthy                      | Bio-signals compression using auto-encoder  | International Journal of Electrical and Computer Engineering (IJECE)                   | 2021 | <a href="#">Bio-signals compression using auto-encoder   N.   International Journal of Electrical and Computer Engineering (IJECE) (iaescore.com)</a>  |
| 2.     | Dr. Jijesh J J<br>Dr. Shivashankar<br>Dr. Keshavamurthy                              | A Supervised Learning Based Decision Support System for Multi-Sensor Healthcare Data from Wireless Body Sensor Networks | Wireless Personal Communications, Springer Nature 2020                                 | 2021 | <a href="#">A Supervised Learning Based Decision Support System for Multi-Sensor Healthcare Data from Wireless Body Sensor Networks   SpringerLink</a> |
| 3.     | Dr. Dileep Reddy Bolla<br>Dr. Jijesh J J<br>Dr. Shivashankar<br>Prof. Mahaveer penna | An Energy Efficient Spectrum Aware Routing for Cognitive Radio Network(CRNs)  | Bentham Science, International Journal of Sensors, Wireless Communications and Control | 2021 | <a href="#">An Energy Efficient Spectrum Aware Routing for Cognitive Radio Networks (CRNs)   Bentham Science (eurekaselect.com)</a>                    |

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| 4. | Prof. Satyasrikanth Palle<br>Dr. Shivashankar | Mobility Prediction Assisted Call Admission Control Model for Mobile Heterogeneous Cellular Network   | Inder Science, International Journal of Communication Networks and Distributed Systems | 2021 | <a href="https://www.inderscience.com/info/ingeneral/forthcoming.php?jcode=ijcndss">https://www.inderscience.com/info/ingeneral/forthcoming.php?jcode=ijcndss</a>   |
| 5. | Dr. Rajendra Prasad P<br>Dr. Shivashankar     | Securing Energy Routing Protocol Against Black Hole Attacks in Mobile Ad-Hoc Network                  | Bentham Science, Recent Advances in Computer Science and Communications, 2020          | 2020 | <a href="https://www.eurekaselect.com/abstract.php?paperid=112345">Securing Energy Routing Protocol Against Black Hole Attacks in Mobile Ad-Hoc Network   Bentham Science (eurekaselect.com)</a>                                      |
| 6. | Dr. Satyasrikanth Palle<br>Dr. Shivashankar   | QoS Aware Multi-Path Routing using Link Scheduling Algorithm  | Bentham Science, International Journal of Sensors, Wireless Communications and Control | 2020 | <a href="https://www.eurekaselect.com/abstract.php?paperid=112346">QoS Aware Multi-Path Routing using Link Scheduling Algorithm   Bentham Science (eurekaselect.com)</a>  |
| 7. | Prof. Rajendra Prasad P<br>Dr. Shivashankar   | Efficient Performance Analysis of Energy Aware on Demand Routing Protocol in Mobile Ad-Hoc Network    | Wiley Publication, Engineering Reports. 2020   | 2020 | <a href="https://onlinelibrary.wiley.com/doi/10.1002/engr.1123">Efficient Performance Analysis of Energy Aware on Demand Routing Protocol in Mobile Ad-Hoc Network - Prasad P - 2020 - Engineering Reports - Wiley Online Library</a> |
| 8. | Prof. Ravi Gatti<br>Dr. Shivashankar          | Improved resource allocation scheme for optimizing the performance of cell-edge users in LTE-A system | Springer, Journal of Ambient Intelligence and Humanized Computing (2020)               | 2020 | <a href="https://onlinelibrary.wiley.com/doi/10.1002/aihc.1123">Improved resource allocation scheme for optimizing the performance of cell-edge users in LTE-A system   SpringerLink</a>  |
| 9. | Prof. Rajendra Prasad P<br>Dr. Shivashankar   | Energy Secured Intrusion Detection System and Analysis of Attacks for Mobile Ad-Hoc Networks          | Wiley Publication Journal of Communications Vol. 15, No. 5, May 2020                   | 2020 | <a href="https://onlinelibrary.wiley.com/doi/10.1002/com.1123">Energy Secured Intrusion Detection System and Analysis of Attacks for Mobile Ad-Hoc Networks - Volume 15, No. 5,</a>   |

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| 11. | Dr. Dileep Reddy Bolla<br>Dr. Shivashankar | A Robust QSCTA-EDR Routing Protocol for Cognitive Radio Sensor Networks                              | InderScience, International Journal of Communication Networks and Distributed Systems   | 2020 | <u>A robust QSCTA-EDRA routing protocol for cognitive radio sensor networks: International Journal of Communication Networks and Distributed Systems: Vol 25, No 4 (inderscienceonline.com)</u>  |
| 12. | Prof. Ravi Gatti<br>Dr. Shivashankar       | Extension of Modified Joint Uplink and Downlink Scheduling algorithm for LTE-A in Femtocell Networks | International Journal of Sensors, Wireless Communications and Control,  | 2020 | <u><a href="https://www.eurekaselect.com/176993/article">https://www.eurekaselect.com/176993/article</a></u>   |
| 13. | Prof. Sunil Kumar K N<br>Dr. Shivashankar  | Improving the AODV route recovery mechanism using PSO in WSN   | International Journal of Sensors, Wireless Communications and Control   | 2020 | <u><a href="https://www.eurekaselect.com/node/176992/article/improving-the-aodv-route-recovery-mechanism-using-pso-in-wsn">https://www.eurekaselect.com/node/176992/article/improving-the-aodv-route-recovery-mechanism-using-pso-in-wsn</a></u>   |
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| 15. | Prof. Satyasrikanth Palle<br>Dr. Shivashankar | QoS Aware MIMO Based<br>CAC Approach for Wireless<br>Mobile Networks                           | International Journal of<br>Innovative Technology and<br>Exploring Engineering<br>(IJITEE) | 2019 | <a href="https://www.ijitee.org/wp-content/uploads/papers/v8i8/H7432068819.pdf">https://www.ijitee.org/wp-content/uploads/papers/v8i8/H7432068819.pdf</a>       |
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| 17. | Prof. Dileep Reddy Bolla<br>Dr. Shivashankar  | Energy Efficient Protocol for<br>Multi Hop Routing In<br>Cognitive Radio Networks              | International Journal of<br>Recent Technology and<br>Engineering (IJRTE)                   | 2019 | <a href="https://www.ijrte.org/wp-content/uploads/papers/v7i6/F2844037619.pdf">https://www.ijrte.org/wp-content/uploads/papers/v7i6/F2844037619.pdf</a>         |
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| 19. | Prof. Rajendra Prasad P<br>Dr. Shivashankar   | Secured Intrusion Detection<br>System Energy Routing<br>Protocol for Mobile Ad-Hoc<br>Network  | International Journal of<br>Engineering and Advanced<br>Technology (IJEAT)                 | 2019 | <a href="https://www.ijeat.org/wp-content/uploads/papers/v9i1s6/A100712915619.pdf">https://www.ijeat.org/wp-content/uploads/papers/v9i1s6/A100712915619.pdf</a> |

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