

**Faculty Paper Publications**  
**AY: 2024-25**

| S.No | Name of the Author        | Title of The Paper                                                                                              | Name of the Journal                                                                                                                                                                                                                  | Indexed |
|------|---------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| 1    | Dr.K.H.Shakthi Murugan    | Realization of energy efficient GF Xtime multiplier using quantum dot cellular automata (QCA) for AES-MixColumn | Journal of Computational Electronics, Springer Nature, 2025,<br><a href="https://doi.org/10.1007/s10825-024-02248-4">https://doi.org/10.1007/s10825-024-02248-4</a>                                                                  | SCI     |
| 2    | Dr. B. Malakonda Reddy    | Enhancing Library Resource Recommendations Using Collaborative Filtering Algorithms                             | Library Progress International Vol.44 No.3, Jul-Dec 2024: P.20864-20871<br>Print version ISSN 0970 1052 Online version ISSN 2320 317X                                                                                                | Scopus  |
| 3    | CH. Padmavathi            | Human Machine Interaction by Using ESP32                                                                        | International Journal for Modern Trends in Science and Technology<br>Volume 11, Issue 05, pages 944-950<br>ISSN: 2455-3778 online<br><a href="https://doi.org/10.5281/zenodo.15335205">https://doi.org/10.5281/zenodo.15335205</a>   | UGC     |
| 4    | Dr. Y. Neeraja            | An IoT Based and Cloud Monitoring Smart Shoe for Blind People                                                   | International Journal for Modern Trends in Science and Technology<br>Volume 11, Issue 05, pages 951-955<br>ISSN: 2455-3778 online<br><a href="https://doi.org/10.5281/zenodo.15335207">https://doi.org/10.5281/zenodo.15335207</a>   | UGC     |
| 5    | Dr. K. Vishwak Sena Reddy | DTMF Phone Call Control Home Automation                                                                         | International Journal for Modern Trends in Science and Technology<br>Volume 11, Issue 05, pages 956-959<br>ISSN: 2455-3778 online<br><a href="https://doi.org/10.5281/zenodo.15335209">https://doi.org/10.5281/zenodo.15335209</a>   | UGC     |
| 6    | R Ravi Raman              | An IoT Based and Enhanced Security of OTP Based Door Lock System                                                | International Journal for Modern Trends in Science and Technology<br>Volume 11, Issue 05, pages 1044-1048<br>ISSN: 2455-3778 online<br><a href="https://doi.org/10.5281/zenodo.15392727">https://doi.org/10.5281/zenodo.15392727</a> | UGC     |
| 7    | M. Divyavani              | An IoT Based and Automation RS-485 Modbus Serial Communication Using IoT Enabled Control System                 | International Journal for Modern Trends in Science and Technology<br>Volume 11, Issue 05, pages 960-963<br>ISSN: 2455-3778 online<br><a href="https://doi.org/10.5281/zenodo.15335211">https://doi.org/10.5281/zenodo.15335211</a>   | UGC     |
| 8    | Mohan Chandalur           | Design of a High-Performance MIMO Antenna for Enhanced 5G Communication                                         | International Journal for Modern Trends in Science and Technology<br>Volume 11, Issue 05, pages 938-943<br>ISSN: 2455-3778 online<br><a href="https://doi.org/10.5281/zenodo.15335203">https://doi.org/10.5281/zenodo.15335203</a>   | UGC     |
| 9    | Dr. B. Malakonda Reddy    | Design and Comparative Analysis of 4GHz Microstrip Patch Antenna Using Two Different                            | International Journal for Modern Trends in Science and Technology<br>Volume 11, Issue 05, pages 964-969<br>ISSN: 2455-3778 online                                                                                                    | UGC     |

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|    |                          | Substrates                                                                      | <a href="https://doi.org/10.5281/zenodo.15335213">https://doi.org/10.5281/zenodo.15335213</a>                                                                                                                                              |     |
| 10 | A. Sai Keerthi           | Smart Water Quality Monitoring System Using IoT                                 | International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250-0588, Impact Factor: 6.565, Volume 15 Issue 04, April 2025, Page 816-826                                                                               | UGC |
| 11 | P. Manjulamma            | Dry Hand Washing Machine By Using Fog Disinfection                              | International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250-0588, Impact Factor: 6.565, Volume 15 Issue 05, May 2025, Page 266-272                                                                                 | UGC |
| 12 | V. Devika                | Deep Learning Based Object Detection System for Smart Surveillance              | International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250-0588, Impact Factor: 6.565, Volume 15 Issue 04, April 2025, Page 783-791                                                                               | UGC |
| 13 | Dr.P. Sreenivasulu       | Parkinson's Disease Detection Using Handwritten Images                          | International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250-0588, Impact Factor: 6.565, Volume 15 Issue 04, April 2025, Page 792-799                                                                               | UGC |
| 14 | G. Kalyani               | Lung Abnormal Detection Using Convolution Neural Networks                       | International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250-0588, Impact Factor: 6.565, Volume 15 Issue 04, April 2025, Page 827-836                                                                               | UGC |
| 15 | Dr.B. Malakonda Reddy    | Leaf Disease Detection Using MATLAB                                             | International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250-0588, Volume 15 Issue 04, April 2025, Page 809-815                                                                                                     | UGC |
| 16 | Dr.K. Vishwakshana Reddy | Speed Breaker Power Generation Mechanism and Street Light                       | International Journal for Modern Trends in Science and Technology<br>Volume 11, Issue 05, pages 755-757<br>ISSN: 2455-3778 online<br><a href="https://doi.org/10.5281/zenodo.15335144">https://doi.org/10.5281/zenodo.15335144</a>         | UGC |
| 17 | R.RaviRaman              | LoRa Based GPS Tracking System using RYLR 406                                   | International Journal for Modern Trends in Science and Technology<br>Volume 11, Issue 05, pages 758-763<br>ISSN: 2455-3778 online<br><a href="https://doi.org/10.5281/zenodo.15335146">https://doi.org/10.5281/zenodo.15335146</a>         | UGC |
| 18 | S. Brahmaiah             | Green Leaf Disease Detection Using Raspberry Pi                                 | International Journal for Modern Trends in Science and Technology<br>Volume 11, Issue 05, pages 764-768<br>ISSN: 2455-3778 online<br><a href="https://doi.org/10.5281/zenodo.15335148">https://doi.org/10.5281/zenodo.15335148</a>         | UGC |
| 19 | Dr.K.H.Shakthi Murugan   | Automated Cardiovascular Disease Detection in ECG Images Using Machine Learning | International Journal for Modern Trends in Science and Technology<br>Volume 11, Issue 05, pages 769-773<br>ISSN: 2455-3778 online<br>DOI:<br><a href="https://doi.org/10.5281/zenodo.15335150">https://doi.org/10.5281/zenodo.15335150</a> | UGC |
| 20 | P. Manjulamma            | Video Steganography: A Python-Based Implementation on Linux                     | International Journal for Modern Trends in Science and Technology<br>Volume 11, Issue 05, pages 802-806<br>ISSN: 2455-3778 online<br><a href="https://doi.org/10.5281/zenodo.15335166">https://doi.org/10.5281/zenodo.15335166</a>         | UGC |

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| 21 | Dr.P.Sreenivasulu      | Brain Tumor Detection Using MRI Data                                                                   | International Journal for Modern Trends in Science and Technology<br>Volume 11, Issue 05, pages 787-790<br>ISSN: 2455-3778 online<br><a href="https://doi.org/10.5281/zenodo.15335158">https://doi.org/10.5281/zenodo.15335158</a> | UGC |
| 22 | Dr.Y.Neeraja           | Automatic Solar Panel Monitoring System Using LoRa WAN                                                 | International Journal for Modern Trends in Science and Technology<br>Volume 11, Issue 05, pages 791-796<br>ISSN: 2455-3778 online<br><a href="https://doi.org/10.5281/zenodo.15335162">https://doi.org/10.5281/zenodo.15335162</a> | UGC |
| 23 | K.Mary                 | RTC Based Solar Panel Sun Tracker Using Arduino Uno                                                    | International Journal for Modern Trends in Science and Technology<br>Volume 11, Issue 05, pages 797-801<br>ISSN: 2455-3778 online<br><a href="https://doi.org/10.5281/zenodo.15335164">https://doi.org/10.5281/zenodo.15335164</a> | UGC |
| 24 | Dr.K.H.Shakthi Murugan | Efficient Fast Mapping & Updating Algorithms for Binary Content Addressable Memory (CAM) on FPGA       | International Journal for Modern Trends in Science and Technology<br>Volume 11, Issue 05, pages 774-776<br>ISSN: 2455-3778 online<br><a href="https://doi.org/10.5281/zenodo.15335152">https://doi.org/10.5281/zenodo.15335152</a> | UGC |
| 25 | Dr.B. Malakonda Reddy  | Easy Circuit Designing Tool                                                                            | International Journal for Modern Trends in Science and Technology<br>Volume 11, Issue 05, pages 777-781<br>ISSN: 2455-3778 online<br><a href="https://doi.org/10.5281/zenodo.15335154">https://doi.org/10.5281/zenodo.15335154</a> | UGC |
| 26 | G Kalyani              | Design and Analysis of Metamaterial-Based Antennas for Wireless Communication at Terahertz Frequencies | International Journal for Modern Trends in Science and Technology<br>Volume 11, Issue 05, pages 782-786<br>ISSN: 2455-3778 online<br><a href="https://doi.org/10.5281/zenodo.15335156">https://doi.org/10.5281/zenodo.15335156</a> | UGC |
| 27 | Sk. AsmaSulthana       | IoT Based Real-Time Voice Analysis and Monitoring System for Empowering the Physically Disabled        | International Journal for Modern Trends in Science and Technology<br>Volume 11, Issue 05, pages 807-809<br>ISSN: 2455-3778 online<br><a href="https://doi.org/10.5281/zenodo.15335168">https://doi.org/10.5281/zenodo.15335168</a> | UGC |
| 28 | M.Divya Vani           | IoT-Based Patient Health Monitoring System Using ESP32 Web Server                                      | International Journal for Modern Trends in Science and Technology<br>Volume 11, Issue 05, pages 810-813<br>ISSN: 2455-3778 online<br><a href="https://doi.org/10.5281/zenodo.15335170">https://doi.org/10.5281/zenodo.15335170</a> | UGC |
| 29 | CH. Padmavathi         | Smart Traffic Management and Alert System for Hilly Roads Using LoRa Communication                     | International Journal for Modern Trends in Science and Technology<br>Volume 11, Issue 05, pages 814-818<br>ISSN: 2455-3778 online<br><a href="https://doi.org/10.5281/zenodo.15335172">https://doi.org/10.5281/zenodo.15335172</a> | UGC |
| 30 | Y. Neeraja             | Hand Gesture Virtual Mouse                                                                             | International Journal of Research in Engineering, IT and Social Sciences,<br>ISSN 2250-0588, Impact Factor: 6.565, Volume 15 Issue 04, April 2025, Page 800-808                                                                    | UGC |
| 31 | B. Mala Konda Reddy    | Full Resolution Network And Dual Treshold Iteration For Retinal Vesel                                  | International Journal of Research in Engineering, IT and Social Sciences,<br>ISSN                                                                                                                                                  | UGC |

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|    |                  | Segmentation                                                                                            | 2250-0588, Volume 15 Issue 04, April 2025, Page 884-890                                                                                                      |     |
| 32 | Y. Neeraja       | Pre-Analyzing Of Damaged Roads Using Light Detection Ranging (Lidar)                                    | International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250-0588, Impact Factor: 6.565, Volume 15 Issue 04, April 2025, Page 891-901 | UGC |
| 33 | Ch. Padmavathi   | Smart Medication Dispenser                                                                              | International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250-0588, Impact Factor: 6.565, Volume 15 Issue 04, April 2025, Page 902-912 | UGC |
| 34 | P. Sreenivasulu  | Lossless Image Compression Using Deep Learning                                                          | International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250-0588, Impact Factor: 6.565, Volume 15 Issue 04, April 2025, Page 913-923 | UGC |
| 35 | Sk. AsmaSulthana | Skin Disease Detection using Convolutional Neural Networks                                              | International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250-0588, Impact Factor: 6.565, Volume 15 Issue 04, April 2025, Page 924-934 | UGC |
| 36 | S. Brahmaiah     | Design and Optimization of Microstrip Patch Antenna using Terahertz Frequency For oral Cancer Detection | International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250-0588, Impact Factor: 6.565, Volume 15 Issue 04, April 2025, Page 850-860 | UGC |
| 37 | K. Mary          | Performance Enhancement of Terahertz Frequency Microstrip Patch Antenna with Defected Ground Surfaces   | International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250-0588, Impact Factor: 6.565, Volume 15 Issue 04, April 2025, Page 935-944 | UGC |
| 38 | R. RaviRaman     | Smart Security System with Automatic Phone Calling Using Raspberry Pi Pico                              | International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250-0588, Impact Factor: 6.565, Volume 15 Issue 04, April 2025, Page 945-951 | UGC |
| 39 | P. Manjulamma    | Reversible Data Hiding In Encrypted Images With Secret Sharing And Convolutional Neural Network         | International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250-0588, Impact Factor: 6.565, Volume 15 Issue 04, April 2025, Page 844-849 | UGC |
| 40 | Kalyani          | IOT Enhanced Transport And Monitoring of Medicines                                                      | International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250-0588, Impact Factor: 6.565, Volume 15 Issue 04, April 2025, Page 861-868 | UGC |
| 41 | Mohan Chandaluru | Smart Mobile Charger with Coin-Based Activation                                                         | International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250-0588, Impact Factor: 6.565, Volume 15 Issue 04, April 2025, Page 869-875 | UGC |
| 42 | Dr.K.H.Shakthi   | Smart Shopping Cart with                                                                                | International Journal of Research in                                                                                                                         |     |

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|    | Murugan   | Automatic Billing System                                     | Engineering, IT and Social Sciences, ISSN 2250-0588, Impact Factor: 6.565, Volume 15 Issue 04, April 2025, Page 876-883                                      | UGC |
| 43 | V. Devika | Finger Print Based Biometric Smart Electronic Voting Machine | International Journal of Research in Engineering, IT and Social Sciences, ISSN 2250-0588, Impact Factor: 6.565, Volume 15 Issue 04, April 2025, Page 837-843 | UGC |