

Estd. 2008.



**NADIMPALLI SATYANARAYANA RAJU  
INSTITUTE OF TECHNOLOGY  
(AUTONOMOUS)**



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**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**Faculty Publications 2024-25**

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| 1.  | Raspberry Pi And Open Cv Based Sign Language Recognition System For Mute Community       | Dr N.N.S.V.Rama Raju,Dr B. Siva Prasad, K. Trisha,K. Tejas Abhilash Varma,K. Ramu, K. Swamy Sekhar, L. Sampath                                 | IJCRT  |
| 2.  | ESP32-Powered Real Time Pharmaceutical Condition Monitoring And Control System Using IoT | Dr. K. Parvathi, Dr. B. Siva Prasad, L. Swarnanjali, K. Komali, M. Ravi Teja, K. Hemanth, M. Rajesh  | IJRPAR   |
| 3.  | Solar Floor Clearer Robot with Vacuum Cleaning   | Dr. V. Swetha, Dr B. Siva Prasad, L. Vasavi, M. Annapurna, M. Gunasekhar, N. Vinay, N. Ravi Kiran  | IJARESM  |
| 4.  | IoT Controlled Fish Feed Robot For Smart Aqua Culture                                    | Dr N.K. Murthy, Dr B. Siva Prasad, M. Pujitha, M. Bhavani, P.L.B. Alekhya, M. Kiran Kumar, S. Vijay kumar                                      | IJSREM   |
| 5.  | RFID Based System for School Children Transportation Enhancement                         | Dr.K. Rajsekhar, Dr B. Siva Prasad, P. Siva, P. Bhargavi, P. Sanath Kumar, P.Jeswanth, SK.Ahamed   | IJRASET  |
| 6.  | ESP32 Powered Smart Surveillance For Poultry Farm Ensuring Flock Safety                  | Mrs. G. Soundarya, Dr B. Siva Prasad, P. Lahari, P. Gayatri, R. Sai Manisarma, P. Durga Prasad, S. Chandra Sekhar                              | International Journal Of Novel Research And Development  |
| 7.  | IOT Enabled Agriculture Robot For Automated Farming And Nutrient Monitoring              | P. Gnaneswar Rao, P. Jaya Srujana, Hari Sai Kishore, Akash Varma, V. Omkar Sai   | IJRASET  |
| 8.  | Deep Learning Based Skin Cancer Detection System Integrated With IoT and Raspberry Pi    | Mrs. D. Prasanna Kumari, Dr. B. Siva Prasad, P. Ramya Kumari, P. Akshaya, P. Bhuvana Venkata Sai, S. Harsha Manideep Patnaik, K. Anu Vaishnavi | ISJEM  |
| 9.  | IoT – Based Smart Gardening System   | Mrs. U. Sadhana, Dr B. Siva Prasad, R. Indira, S. Sai Pruthvi, S. Hari Prasad Anil, P. Praveen Raju  | IJARIE   |
| 10. | Lora Based Soldier Security System With Integrated IoT                                   | Mr. M. Chandrakanth, Dr. B. Siva Prasad, S. Tarun Kumar, S. Yeshwarya, S. Thanuja, P. Madhu Sudhan, R. Krishna Chaitanya                       | IJRPR  |
| 11. | IoT Enabled Smart Water Quality And Leakage Detection Using Flow Sensors                 | CH. Harini, Dr. B. Siva Prasad, S. Eekshitha, S. Sai Nikhil, S. Y. V. Gurumurthy, S. Sai Varun, P. Sai Pavan                                   | IJRAR  |
| 12. | IOT Enabled Wheel Chair with Obstacle Detection And Continuous Health Monitoring         | P. Anitha, Dr B. Siva Prasad, V. K. S. Koteswara Rao, V. Jitendra, T. Sirisha, T. Akash Kumar  | International Journal for Research Trends and Innovation |
| 13. | Smart Driver Safety with Vehicle Speed Using Zigbee Technology                           | A. Asha, Dr B. Siva Prasad, V. Gopal Krishna, Y. Vasu, V. Pavan Kumar, Yuvraj Singh Chouhan  | IJSREM   |
| 14. | IoT Based Industrial Robotic Arm with Surveillance Security                              | Mrs. A. Gowthami Naidu, Dr B. Siva Prasad, S. Vamsi, R. Janaki Ram, V. Lohith, P. Prasanna   | IJS DR   |

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| 15. | Bin Based Waste Segregation Using IoT & Sensors   | Mrs.G. Lakshmi Sunitha, P. Lokesh, SK. Ibrahim, V.K.V. Sai Lakshmi, A. Chinmay Ram                             | International Journal for Research Trends and Innovation                   |
| 16. | Solar-Wind Hybrid Inverter  | Dr.B.Siva Prasad, A.Praveen kumar, M.V.V.Sai Charan, M.Chaitanya, K.SivaPrasad M.Satanarayana                  | Journal of Engineering Sciences  |
| 17. | IoT Based Smart Helmet for Drivers  | Dr. B. Ravi Chandra, Dr. B. Siva Prasad, B. Alekhya, B. Ganesh, I. Poojitha, G. Koteswar Rao, K. Yaswanth      | IJARES   |
| 18. | IoT&Machine Learning Integrated Vehicle Number Plate Recognition System For Authorised Access | Dr.K.Rajasekhar, B.Saryu, D.Jasmine, B.Charmila, K.Jyothi Swaroop, N.Rajeev                                    | Journal of Nonlinear Analysis and Optimization                             |
| 19. | IOT And Machine Learning Integrated Road Surface Monitoring System Using Raspberry Pi         | Dr.P.Hema Kumar, Dr.B.Siva Prasad, K.Rajeswari,D.Nipun Naidu,K.Abhishek Kumar,G.Madhav Kumar, K.Bharath        | International Journal for Research Trends and Innovation                   |
| 20. | Remote controlled landmine detection robot  | G.Jyothi, K.Kusuma Mani Kumari, K.Aashrith, E.Chaitanya, B.Supraja   | International Journal of Scientific Research in Engineering and Management |
| 21. | Design and development of robotic vehicle For isolation ward                                  | Mr.S.Balarama,Dr.B.SivaPrasad,Guruteja ,G.Pravalika,B.Siddardha,G.Pydiraju,.S.S .Koushik                       | IJRASET  |
| 22. | IoT Controlled Borewell Rescue Robot  | Mr. G.Durga Prasad, Dr B. Siva Prasad, K.Lakshitha, K.Divya, CH.Geetha, I.Lokesh                               | International Journal of Engineering Development and Research              |
| 23. | Goods Transport and Stair Climbing Robot Using Arduino UNO with Bluetooth Control             | Y.H.D. Aparna, Dr. B. Siva Prasad, B. Devi, M. Manasa Sowmya, K. Soma Sekhar, D. Praveen, Harshith. B          | IJRASET  |
| 24. | LI-FI Based Under Water Communication   | Mr. K.V. Ramanaji, B. Venkata Satya Anand, B. Vamsi Reddy, Ab. Ayesha, G. Abhishek Babu, D. Yaswanth Sai       | Journal of Engineering Sciences  |
| 25. | IoT Based Smart Assistant Glove for Paralysis Patients  | B. N. S. Rani, Dr. K. Rajasekhar, D. Manasa, CH. Alekhya, CH. Harichandan, K. Himavanth                        | ICBEAIML   |
| 26. | Student Auto Attendance System Using Raspberry Pi with Face Recognition Module                | A. Phani Madhuri, G. Jahnavi, G. Nithin Reddy, CH. Uday Kumar, V.H.N.D. Madhuri, B. Nithin                     | International Journal Of Innovative Research In Technology                 |
| 27. | Solar Powered Grass Cutting Robot With Live Streaming   | K.Priyanka, Dr. B. Siva Prasad, B.Sarika,A.Sreelekha,D.Charan Teja,K.Charan Sumanth,A.Lokesh                   | International Journal of Information Technology & Computer Engineering     |
| 28. | Fire Fighting Robot For Combat Flames   | B.Sowjanya, K.Gowtham, G.Krishna, Ch.Trisha, Ch.Vaishnavi  | IJRAR  |
|     | Six-Legged WI FI Surveillance Multi-Purpose Spider Using Klann Mechanism                      | Lavanya Reddi, Dr. B. Siva Prasad, Ch. Rohini,J. Sai Divya, K. Chandrasekhar, G. Sai Venkatesh, B. Vinay Kumar | International Journal Of Applied Science Engineering And Management        |

  
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