| Published Patents | | | | |
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| **Sl.No.** | **IPO ID** | **Invention Title** | **Name(s) of the Inventor(s)** | **Date of Publication** |
| 1 | 202241074832 | Voice Powered Animal Monitoring System Using IOT | Dr. Prabha Selvaraj, VIT-AP University<br>Kr. Kanmani P<br>Dr. Vijay Kumar Burugari<br>Dr. Sharanya S | 27-01-2023 |
| 2 | 202241071666 | WORKFLOW SCHEDULING IN CLOUD COMPUTING | Dr. K. Ganesh Reddy, VIT-AP University<br>Mr. P Vamsheedhar Reddy, VIT-AP University | 03-02-2023 |
| 3 | 202341003631 | DDoSDet: An approach to Detect DDOS attacks using Neural Networks | Dr. Ajith Jubilson E, VIT-AP University<br>Mr. Aman Rangapur, VIT-AP University<br>Mr. K Tarun Kumar, VIT-AP University<br>Ms. Dhanavanthini P, VIT-AP University | 10-02-2023 |
| 4 | 202341003481 | A Smartphone Based Food Spectroscopy to Analyze the Food Quality | Dr. B. Sai Chandana, VIT-AP University<br>Dr. J. Harikiran, VIT-AP University | 17-02-2023 |
| 5 | 202341003686 | Detection of Autism using Machine Learning, IOT and NLP techniques | Dr. S. Gopikrishnan, VIT-AP University<br>Dr. P. Priakanth<br>Dr S Geerthik | 17-02-2023 |
| 6 | 202341009492 | A Novel Method for Saving Power in Seat Back Screens | Dr. G.Muneeswari, VIT-AP University<br>Ms. Sahithi Namala, VIT-AP University | 17-02-2023 |
| 7 | 202341004528 | Knowledge Based Indexing to Improve Sorting Algorithms Performance | Dr. Ganesh Reddy Karri, VIT-AP University<br>Dr. Devarakonda Nagaraju, VIT-AP University<br>Dr. Sumathi D, VIT-AP University<br>Dr. Sunil Kumar Singh, VIT-AP University<br>Mr. Anush Anand, VIT-AP University | 24-02-2023 |
| 8 | 202341016660 | SURFACE HARDENED ALUMINUM IMPELLER | VIKASHINI B<br>BALASUBRAMANIAN K<br>Dr. PRIYADHARSHINI M, VIT-AP University | 31-03-2023 |
| 9 | 202341019345 | A PHYSICAL ASSETS SECURITY MODEL FOR IOMT ENVIRONMENT USING FIDO2 BASED AUTHENTICATION | GOPINATH M, VIT-AP University<br>Dr. SIBI CHAKKARAVARTHY S, VIT-AP University | 14-04-2023 |

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| 10 | 202341025471 | MACHINE LEARNING BASED SYSTEM AND METHODS FOR THE DETECTION OF CARDIAC EVENTS USING IMAGE PROCESSING | Mr. Varanasi L V S K B Kasyap, VIT-AP University<br>Mr. Yagnesh Challagundla, VIT-AP University<br>Ms. Lohitha Rani Chintalapati, VIT-AP University<br>Mr. Devatha Krishna Sai, VIT-AP University<br>Mr. Trilok Sai Charan Tunuguntla, VIT-AP University<br>Dr. V S Bhagavan, KL University | 05-05-2023 |
| 11 | 202341028068 | THE MECHANICAL ARM TELE-CONTROL SYSTEM BASED ON VIRTUAL REALITY TECHNOLOGY | Mr. Varanasi L V S K B Kasyap, VIT-AP University<br>Mr. Yagnesh Challagundla, VIT-AP University<br>Ms. Lohitha Rani Chintalapati, VIT-AP University<br>Mr. Devatha Krishna Sai, VIT-AP University<br>Mr. Trilok Sai Charan Tunuguntla, VIT-AP University<br>Mr. Dev Rishik Maruturi, VIT-AP University | 05-05-2023 |
| 12 | 202341029169 | SC-MPEM: A Fine-Grained Animal Breed Classification | Mr. Thoom Purna Chander Rao, VIT-AP University<br>Ms. Pedaballi Rajeswari, VIT-AP University<br>Dr. Divya Meena Sundaram, VIT-AP University<br>Dr. Sheela Jayachandran, VIT-AP University<br>Dr. Sudha S V, VIT-AP University<br>Dr. Nagaraju Devarakonda, VIT-AP University | 05-05-2023 |
| 13 | 202341030445 | Deep learning-based waste classifier for segregating organic and recyclable wastes | Dr Sheela Jayachandran, VIT-AP University<br>Dr Divya Meena Sundaram, VIT-AP University<br>Ms. Jahnavi Chakka, VIT-AP University<br>Ms. Patri Lalithya Manasa, VIT-AP University | 05-05-2023 |
| 14 | 202341028236 | Location Privacy in Wireless Sensor Networks against Global Adversary | Dr. Reeja S R, VIT-AP University<br>Ms.Chinnu Mary George , Dayananda Sagar University, Bengaluru<br>Dr. Gayathri K M, Dayananda Sagar University, Bengaluru | 26-05-2023 |
| 15 | 202341029896 | Fuzzy cluster analysis for images based on extraction of featured intervals | Dr Sheela Jayachandran, VIT-AP University<br>Dr Divya Meena Sundaram, VIT-AP University<br>Dr. Sudha S V, VIT-AP University<br>Mr. Gudi Varaprasad, VIT-AP University<br>Mr. K Charvi, VIT-AP University | 26-05-2023 |

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| 16 | 202341027421 | Evaluation Assistant System through Optimal k-Summarization Technique | Ms. Lalitha Manasa Chandrapati, VIT-AP University<br>Dr. Koteswararao Ch., VIT-AP University<br>Dr. BKSP Kumar Raju Alluri, VIT-AP University | 26-05-2023 |
| 17 | 202341027423 | Prediction of Harvest based on seed quality | Dr Divya Meena Sundaram, VIT-AP University<br>Dr Sheela Jayachandran, VIT-AP University<br>Ms. Jahnavi Chakka, VIT-AP University<br>Mr. Srujan Cheemakurthi, VIT-AP University | 26-05-2023 |
| 18 | 202341031571 | A LEARNING BASED APPLICATION WITH QOFSA-GRC OPTIMIZATION FOR AUTOMATIC DETECTION OF ANOMALIES FROM SURVEILLANCE VIDEOS | Ms. REVATHI DURGAM, VIT-AP University<br>Dr. NAGARAJU DEVARAKONDA, VIT-AP University | 16-06-2023 |
| 19 | 202341036803 | A METHOD FOR TRACKING THE MOVEMENT OF THE RANDOM PATTERN USING A 3D MOTION CAPTURE AND IMAGE RECONSTRUCTION USING AI | Varanasi L V S K B Kasyap, VIT-AP University<br>Yagnesh Challagundla, VIT-AP University<br>Lohitha Rani Chintalapati , VIT-AP University<br>Asutosh Doppalapudi , VIT-AP University<br>Sunku Sai Charan , VIT-AP University<br>Nalluri Shweta, VIT-AP University | 16-06-2023 |
| 20 | 202341037137 | INERTIAL AND IONTOPHORESIS-BASED ELECTROCHEMICAL BIOSENSOR FOR MONITORING THE HUMAN METABOLIC SYNDROME AND ACTIVITIES | Mr. RAVI KUMAR ATHOTA, VIT-AP University<br>Dr. D. SUMATHI, VIT-AP University | 16-06-2023 |
| 21 | 202341037142 | CREATING CORPORA FOR INADEQUATE RESOURCE TELUGU LANGUAGE TO ANALYZE SENTIMENTS USING DEEP LEARNING | Mr. KANNAIAH CHATTU, VIT-AP University<br>Dr. D. SUMATHI, VIT-AP University | 16-06-2023 |
| 22 | 202341033808 | Design & Development of Plant Disease Classification model using Modified GLCM and Wavelet Transformation | Mr. Amer Tabbakh, VIT-AP University<br>Dr. Soubhagya Sankar Barpanda, VIT-AP University | 16-06-2023 |
| 23 | 202341033810 | Design & Development of a Deep Features extraction model based on the Transfer learning model and vision transformer "TLMViT" for Plant Disease Classification | Mr. Amer Tabbakh, VIT-AP University<br>Dr. Soubhagya Sankar Barpanda, VIT-AP University | 16-06-2023 |

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| 24 | 202341033809 | A Hybrid feature extraction framework for intrusion detection | SESHU BHAVANI MALLAMPATI, VIT-AP University<br>Dr. Hari Seetha, VIT-AP University | 16-06-2023 |
| 25 | 202341040183 | Heart disease detection by using YOLOV8 Algorithm | Ms. M.MANJULA, VIT-AP University<br>Dr. Surendra Reddy Vinta, VIT-AP University | 30-06-2023 |
| 26 | 202341039647 | Multiclass lung cancer classification using YOLOv8 algorithm | Mr. Satyam Mishra, VIT-AP University<br>Dr. Sagar Dhanraj Pande, VIT-AP University<br>Dr. Surendra Reddy Vinta, VIT-AP University | 30-06-2023 |
| 27 | 202341034228 | Using deep learning techniques to predict the covid-19-related pneumonia | Ms. M.MANJULA, VIT-AP University<br>Dr. Sagar Dhanraj Pande, VIT-AP University<br>Dr. Surendra Reddy Vinta, VIT-AP University | 18-08-2023 |
| 28 | 202341038582 | Geriatric Assistance System for Frozen Shoulder Problem Detection | Dr. G. Muneeswari, VIT-AP University | 18-08-2023 |
| 29 | 202341045892 | Brain Stroke Disease Detection Using with Yolo V8 Algorithm | Ms. M.MANJULA, VIT-AP University<br>Dr. Surendra Reddy Vinta, VIT-AP University | 01-09-2023 |
| 30 | 202341043755 | Hierarchical Network components correlation for Early Detection of DDoS attacks in SDN Cloud | Ms. S. Asha Varma, VIT-AP University<br>Dr. K. Ganesh Reddy, VIT-AP University | 01-09-2023 |
| 31 | 202341042209 | Arduino-powered autonomous vehicle | Dr. Anil Vitthalaro Turukmane, VIT-AP University<br>Dr. Ramkumar D, VIT-AP University | 01-09-2023 |
| 32 | 202341055971 | A WISE WHITE CANE | Dr. Anil Vitthalaro Turukmane, VIT-AP University<br>Dr. Ramkumar D, VIT-AP University | 01-09-2023 |
| 33 | 202341045528 | Human Tracking and Monitoring System via Unmanned Aerial Vehicles | Mrs. Sireesha Gundu, VIT-AP University<br>Dr. Hussain Syed, VIT-AP University<br>Dr. J. Harikiran, VIT-AP University | 01-09-2023 |
| 34 | 202341052281 | Task Scheduling in Cloud Fog Computing Environments with<br>Attention to Energy Consumption | Mr. M. Santhosh Kumar, VIT-AP University<br>Dr. K. Ganesh Reddy, VIT-AP University | 01-09-2023 |

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| 35 | 202341044835 | Monitoring and regulating soil moisture content | Dr. Anil Vitthalrao Turukmane, VIT-AP University<br>Dr. Ramkumar D, VIT-AP University<br>Dr. Yogesh C, VIT-AP University | 01-09-2023 |
| 36 | 202341042839 | Prioritized Approach for Reducing Waiting Time in Traffic | Mr. Saridena Saketh, VIT-AP University<br>Ms. K Charvi, VIT-AP University<br>Ms. Kanuparthi Yamini Haripriya, VIT-AP University<br>Mr. Mantha Narayana Kaushik, VIT-AP University<br>Mr. Simran Anand, VIT-AP University<br>Dr. BKSP Kumar Raju Alluri, VIT-AP University<br>Dr. D. Sumathi, VIT-AP University | 01-09-2023 |
| 37 | 202341035517 | Detection of Autism using Artificial Intelligence | Dr. S. Gopikrishnan, VIT-AP University<br>Dr. D. Sumathi, VIT-AP University<br>Ms. Sreenidhi Ganachari, VIT-AP University<br>Mr. Simran Anand, VIT-AP University<br>Mr. Abhay Chaudhary, VIT-AP University<br>Mr. Gurmehar Singh Soni, VIT-AP University | 01-09-2023 |
| 38 | 202341052280 | SafeToddler | Dr. Snehal B. Shinde, VIT-AP University<br>Dr. Nileshchandra Kalabarao Pikle, VIT-AP University<br>Dr. Agam Das Goswami, VIT-AP University<br>Mr. Mr. Girish S. Bhavekar, VIT-AP University<br>Dr. Krishna Siva Prasad, VIT-AP University<br>Dr. Nitesh Asaramji Funde, VIT-AP University | 01-09-2023 |
| 39 | 202341050478 | Jewel and Money Wallet Snatching Behavior Detector in Uncrowded Scenario | Dr Kuppusamy P, VIT-AP University<br>Mr. Ujjwal Reddy K S, VIT-AP University<br>Mr. G Sai Shankar Mithesh, VIT-AP University<br>Mr. Eswara Venkata Sai Raja, VIT-AP University | 01-09-2023 |
| 40 | 202341046793 | Using the hybrid forage dependent Ensemble classifier to predict IoT-based cyber threats | Dr. Anil Vitthalrao Turukmane, VIT-AP University | 01-09-2023 |

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| 41 | 202341046387 | Improvised YOLOv7 algorithm to Detect Plant Leaf Diseases with Image Segmentation | CHUNDURI MADHURYA, VIT-AP University<br>DR. AJITH JUBILSON E, VIT-AP University | 01-09-2023 |
| 42 | 202341057475 | A Productive Farming System Enabled by the Internet of Things | Dr. Anil Vitthalrao Turukmane, VIT-AP University<br>Dr. Ramkumar D, VIT-AP University<br>Dr. Yogesh C, VIT-AP University | 08-09-2023 |
| 43 | 202341057381 | Street light power saving model using PIR infrared motion sensor | Dr. Gauranga Mandal, VIT-AP University<br>Dr. Anurag De, VIT-AP University<br>Mr. Vudayana Chaitanya Kumar, VIT-AP University<br>Ms. M. Vyshnavi, VIT-AP University<br>Mr. Dharmana Gnana Sai, VIT-AP University | 08-09-2023 |
| 44 | 202341062426 | Flexible Plug in-Plug Out Single Pole Single Throw Switch | Dr. Aravapalli Rama Satish, VIT-AP University<br>Dr. Anupama Namburu, VIT-AP University<br>Dr. BKSP Kumar Raju, VIT-AP University<br>Dr. Prabha SelvaRaj, VIT-AP University<br>Dr. D Naga Raju, VIT-AP University<br>Mr. Gowtham D, VIT-AP University | 29-09-2023 |
| 45 | 202341061340 | Cardiovascular Disease Detection with Customized YOLO v8 algorithm | Mr. G. Srinivasa Rao, VIT-AP University<br>Dr. Surendra Reddy Vinta, VIT-AP University<br>Dr. Sagar Dhanraj Pande, VIT-AP University | 06-10-2023 |
| 46 | 202341061820 | Controlling Diabetes in an Insulin-Glucose System Using the Internet of Bio-Nano Things (IoBNT) | Mr. Phani Krishna Bulasara, VIT-AP University<br>Dr. Somya Ranjan Sahoo, VIT-AP University | 06-10-2023 |
| 47 | 202341061009 | A Hybrid Deep Learning Model For Water Quality Prediction | Mr. Shivakoti Mithun, VIT-AP University<br>Dr. Sagar Dhanraj Pande, VIT-AP University<br>Dr. Surendra Reddy Vinta, VIT-AP University | 06-10-2023 |
| 48 | 202341060122 | CROP FIELDS INTRUSION GUARD | Dr. Anil Vitthalaro Turukmane, VIT-AP University<br>Dr. Ramkumar D, VIT-AP University | 06-10-2023 |

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| 49 | 202341060539 | MXeGNN: A Novel Graph Neural Network for improved Regression and Classification of MXene Materials | Mr. Jameer Basha Sk, VIT-AP University<br>Dr. E. Ajith Jubilson, VIT-AP University | 06-10-2023 |
| 50 | 202341061341 | Low-cost Smart Urban Flood Monitoring and Alert | Dr. Rajesh Duvvuru,VIT-AP University<br>Dr. Eswaraiah Rayachoti,VIT-AP University<br>Mr. Hritik Kumar,VIT-AP University<br>Ms. Vijayanagara Sharanya,VIT-AP University<br>Ms. Meghana P., VIT-AP University<br>Ms. Inuguri Gowthami Akarsha,VIT-AP University<br>Ms. Velicheti Sri Harshitha,VIT-AP University<br>Ms. Konda Reesha,VIT-AP University<br>Mr. Ranjith Kumar Banala,VIT-AP University<br>Mrs. Lambu Padmavathi,VIT-AP University | 06-10-2023 |
| 51 | 202341062656 | Deep Reinforcement learning technique to counter security issues in VANET | Mr. Vamshi Krishna K, VIT-AP University<br>Dr. K. Ganesh Reddy, VIT-AP University | 06-10-2023 |
| 52 | 202341061357 | LoRa-Enabled Irrigation Automation System: A Sustainable Invention for Smart Agriculture | Dr. Sudheer Mangalampalli, VIT-AP University<br>Mr. Nukala Naveen Kumar, VIT-AP University<br>Mr. Thenipalli Chandu, VIT-AP University<br>Mr. Kanumuri Karthikeya, VIT-AP University<br>Mr. Kondasani Rama Sai, VIT-AP University<br>Ms. Saniya Saher Fatima, VIT-AP University<br>Mr. Kurry Karthikeya Reddy, VIT-AP University | 06-10-2023 |
| 53 | 202341062369 | Automatic Wheat Head Disease Detection System | Ms. Kalluri Rama Devi, VIT-AP University<br>Dr. Prabha Selvaraj, VIT-AP University | 06-10-2023 |
| 54 | 202341062912 | MANAGING A COMPUTER WITH YOUR HANDS. | Dr. Anil Vitthalrao Turukmane, VIT-AP University<br>Dr. Ramkumar D, VIT-AP University<br>Dr. Yogesh C, VIT-AP University | 06-10-2023 |
| 55 | 202341062433 | The Raspberry Pi-Based Smart Wi-Fi Doorbell | Dr. Anil Vitthalrao Turukmane, VIT-AP University<br>Dr. Ramkumar D, VIT-AP University | 06-10-2023 |

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| 56 | 202341062367 | CONSCIOUS IRRIGATION SYSTEM | Dr. Ramkumar D, VIT-AP University<br>Dr. Anil Vitthalrao Turukmane, VIT-AP University | 06-10-2023 |
| 57 | 202341061359 | Vikrant: Open Source Indigenous Honeypot - A Container-based approach to provide an additional layer of isolation and security for honeypots | Dr. Sibi Chakkaravarthy Sethuraman, VIT-AP University<br>Ms. Devi Priya V S, VIT-AP University | 06-10-2023 |
| 58 | 202341061969 | A Hybrid Metaheuristic Model for Blockchain-based Internet of Medical Things Security and Quality of Service Optimization | Mr. Kanneboina Ashok, VIT-AP University<br>Dr. Sundaram Gopikrishnan, VIT-AP University | 06-10-2023 |
| 59 | 202341063675 | Enhancing Home Security through IoT: A Model without Light Sensors for Occupancy Detection | Mr. Veera Brahmam Mothukuri, VIT-AP University<br>Dr. Sundaram Gopikrishnan, VIT-AP University | 06-10-2023 |
| 60 | 202341062654 | A NOVEL HYBRID SYSTEM OF DETECTING BRAIN TUMORS IN MRI | Mr. Raghav Agarwal, VIT-AP University<br>Dr. Sagar Dhanraj Pande, VIT-AP University<br>Dr. Surendra Reddy V, VIT-AP University | 06-10-2023 |
| 61 | 202341062368 | Dynamic Wireless Energy Transfer Protocols for Internet of Everything using Green Computing | Mr. K. Raja Sravan Kumar, VIT-AP University<br>Dr. Sundaram Gopikrishnan, VIT-AP University | 06-10-2023 |
| 62 | 202341064269 | Automated AI based Parkinsons Disease Detection System | Ms. Pechetti Sukanya, VIT-AP University<br>Dr. B Srinivasa Rao, VIT-AP University | 06-10-2023 |
| 63 | 202341062427 | Multi-Class Kidney Abnormalities Detecting Novel System Through Computed Tomography | Dr. Sagar Dhanraj Pande,VIT-AP University<br>Dr Surendra Reddy Vinta, VIT-AP University<br>Mr. Raghav Agarwal, VIT-AP University | 06-10-2023 |
| 64 | 202341063225 | Brinjal leaf disease detection by using YOLO8V Algorithm | Dr. Surendra Reddy Vinta, VIT-AP University<br>Dr. Sagar Dhanraj Pande, VIT-AP University<br>Mr. Panduri Vishnu Vardhan, VIT-AP University | 06-10-2023 |

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| 65 | 202341062366 | Enhanced Vehicle Detection in Low Light Conditions: A Hybrid Approach with YOLOv8 and RetinaNet, combined using Soft NMS | Dr. Surendra Reddy Vinta, VIT-AP University<br>Dr. Sagar Dhanraj Pande, VIT-AP University<br>Mr. Medi Pavan Teja, VIT-AP University | 06-10-2023 |
| 66 | 202341063223 | An Analytical Approach for Cetacean Family Species Detection using Auditory Hybrid algorithms RCNN Multi-class Classification and SoundNet | Dr. Sagar Dhanraj Pande,VIT-AP University<br>Dr Surendra Reddy Vinta, VIT-AP University<br>Mr. Sai Eeshwar D, VIT-AP University | 06-10-2023 |
| 67 | 202341063224 | Brain Tumour Detection by using Federated AI | Mr. K Venkata Kiranmai, VIT-AP University<br>Dr. Surendra Reddy Vinta, VIT-AP University | 06-10-2023 |
| 68 | 202341056830 | Fitzpatrick Skin Type classification using skin lesions | Dr. Reeja S R, VIT-AP University<br>Mrs. Shaik Reshma, VIT-AP University | 13-10-2023 |
| 69 | 202341066308 | Federated Learning for Privacy preserved medical IoT based Cardiovascular Disease Detection | Mr. G. Srinivasa Rao, VIT-AP University<br>Dr. G. Muneeswari, VIT-AP University | 20-10-2023 |
| 70 | 202341066557 | Employing hybrid deep learning techniques like yolov7 and CNN to summarise the specifics of Fossils | Dr. Sagar Dhanraj Pande,VIT-AP University<br>Dr Surendra Reddy Vinta, VIT-AP University<br>Ms. Vijayanagara Sharanya, VIT-AP University | 20-10-2023 |
| 71 | 202341067941 | Fusion approach to Multimodal Social Media Fake Profile Identification | Dr. Sachi Nandan Mohanty, VIT-AP University<br>Mr. Bhrugumalla L V S Aditya, VIT-AP University | 20-10-2023 |
| 72 | 202341066311 | A Novel Intrusion Detection and Prevention Model for Network<br>Coding Enabled Small Cells with Enhanced Security Levels | Mr. CH.Kiran Kumar, VIT-AP University<br>Dr. Nandhakumar Ramachandran, VIT-AP University | 20-10-2023 |
| 73 | 202341068285 | Improvisation of Image/Face completion using hybrid of FC-GAN and Pyramid<br>Context Encoder | Mr. Arpit Aditya, VIT-AP University<br>Dr. Sagar Dhanraj Pande, VIT-AP University<br>Dr. Surendra Reddy Vinta, VIT-AP University | 20-10-2023 |

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| 74 | 202341066310 | An EEG Sensor based Brain Tumor Prediction and Classification using Ensembled Machine Learning Techniques. | Dr. G Muneeswari, VIT-AP University<br>N. Rajamohan Reddy, VIT-AP University | 20-10-2023 |
| 75 | 202341066559 | Fruit Detection and Localization for Harvesting Robots Using M-Yolo | Mr. Thoom Purna Chander Rao, VIT-AP University<br>Dr. Divya Meena Sundaram, VIT-AP University<br>Dr. Sheela Jayachandran, VIT-AP University<br>Dr. Sudha S V, VIT-AP University | 20-10-2023 |
| 76 | 202341067181 | A Novel Approach to Detect Malicious User | Ms. Terumalasetti Sailaja, VIT-AP University<br>Dr. Reeja S R, VIT-AP University | 24-11-2023 |
| 77 | 202341071023 | Smart Blind Stick Using Arduino Uno | Dr Sheela Jayachandran, VIT-AP University<br>Mr. Pydipati Sai Vignesh, VIT-AP University<br>Ms. Podala Lahari, VIT-AP University<br>Mr. Chunduru Akhilesh, VIT-AP University<br>Ms. Gali Haritha, VIT-AP University<br>Mr. Varudu Syandilya Sai Vardhan, VIT-AP University<br>Mr. Embeti Venkata Kalyan, VIT-AP University | 24-11-2023 |
| 78 | 202341070176 | Enhancing Exploration-Exploitation in Harmony Search for Airborne Hyperspectral Imaging Band Selection (E3HS) | Dr. Divya Meena Sundaram, VIT-AP University<br>Mr. Mohammed Abdulmajeed Moharram, VIT-AP University | 24-11-2023 |
| 79 | 202341071022 | Spectral-Spatial Hyperspectral Image Classification using Semi-Supervised Mayfly Algorithm and Enhanced Filtering Technique. | Dr. Divya Meena Sundaram, VIT-AP University<br>Mr. Mohammed Abdulmajeed Moharram, VIT-AP University | 24-11-2023 |
| 80 | 202341067178 | Classification of Fake Indian Currency Notes using Hybrid Model with Image Tensor Preprocessing | B. L. N. Swaroop, VIT-AP University<br>Dr. Sagar Dhanraj Pande, VIT-AP University<br>Dr.Surendra Reddy Vinta, VIT-AP University | 24-11-2023 |
| 81 | 202341071888 | Vikrant: Open Source Indigenous Honeypot | Ms. Devi Priya V S, VIT-AP University<br>Dr. S. Sibi Chakkaravarthy, VIT-AP University | 01-12-2023 |

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| 82 | 202341071499 | Flagging User Hardware Based On VPN Connection Time | Dr. Kumar Debasis, VIT-AP University<br>Mr. Gangaraju Rohith, VIT-AP University | 01-12-2023 |
| 83 | 202341056255 | An Edge-Enabled Trusted Architecture to Detect and Prevent Malicious Nodes in Connected V2X Environment | Mr. S. Thangam, VIT-AP University<br>Dr. S. Sibi Chakkaravarthy, VIT-AP University | 15-12-2023 |
| 84 | 202341056254 | Blue Monkey Integrated Coot Optimization (BMICO) Algorithm for Multi-Document Summarization | Mr. Sunil Kumar Ketineni, VIT-AP University<br>Dr. Sheela Jayachandran, VIT-AP University | 15-12-2023 |
| 85 | 202341056252 | a multi-sensory approach to autonomous movement | Dr. Anil Vitthalrao Turukmane, VIT-AP University<br>Dr. Ramkumar D, VIT-AP University<br>Dr. Yogesh C, VIT-AP University | 15-12-2023 |
| 86 | 202341056829 | Low Energy Consumption Model for Biosensor Nanonetworks | Mr. Phani Krishna Bulasara, VIT-AP University<br>Dr. Somya Ranjan Sahoo, VIT-AP University | 15-12-2023 |
| 87 | 202341073331 | Thermo-infrared photo linguistic division for nighttime steer scene due to deep learning | Ms. Maheswari Bandi, VIT-AP University<br>Dr. Reeja S R, VIT-AP University | 15-12-2023 |
| 88 | 202341072951 | Threat Detection Automated Systems | Dr. Anil Vitthalrao Turukmane, VIT-AP University<br>Mr. Trishank Samineni, VIT-AP University | 15-12-2023 |
| 89 | 202341072949 | Gunshot audio classification using YAMNet : a deep learning approach | Dr. Surendra Reddy Vinta, VIT-AP University<br>Dr. Sagar Dhanraj Pande, VIT-AP University<br>Mr. N Harihara Valliappan, VIT-AP University | 15-12-2023 |
| 90 | 202341073583 | Blight Detection of various plants | Dr. Surendra Reddy Vinta, VIT-AP University<br>Dr. Sagar Dhanraj Pande, VIT-AP University<br>Ms. Saathvika Allamshetti, VIT-AP University | 15-12-2023 |
| 91 | 202341075779 | Addressing the vanishing Gradient Problem in Tomato Leaf Disease Detection by using DenseNet-121 | Dr. Srinivasa Reddy Konda, VIT-AP University<br>Mr. Ch.Vengaiah, VIT-AP University | 15-12-2023 |

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| 92 | 202341077714 | Design & Development of Optimizing Computational Cost in Deep Learning Models for Plant Disease Classification using Binary Feature Map-Splitting Architecture (BFMSA) | Dr. Soubhagya Sankar Barpanda, VIT-AP University<br>Mr. Amer Tabbakh, VIT-AP University | 15-12-2023 |
| 93 | 202341077712 | Ai based Detection in Fog for Vehicular Application with Advanced<br>Sensor Fusion and Decision-Making | Dr. Nagendra Panini Challa, VIT-AP University<br>Dr. Abbaraju Sai Sathwik, VIT-AP University<br>Dr. Beebi Naseeba, VIT-AP University | 15-12-2023 |
| 94 | 202341073411 | Facial Expressions Recognition by using R-CNN AND Faster R-CNN | Ms. Pampana Chathurya, VIT-AP University<br>Dr. Surendra Reddy Vinta, VIT-AP University<br>Dr. Sagar Dhanraj Pande, VIT-AP University | 15-12-2023 |
| 95 | 202341073585 | Detection of Irregular Skin Lesion Shape Asymmetry using Image Processing techniques. | Ms. SHAIK RESHMA, VIT-AP University<br>Dr.REEJA S R, VIT-AP University | 15-12-2023 |
| 96 | 202341077258 | Energy Efficient Cluster Head Selection & Routing in WSN by using Machine Learning | Mr. Ramesh Babu Pedditi, VIT-AP University<br>Dr. Kumar Debasis, VIT-AP University | 22-12-2023 |
| 97 | 202341080405 | Identification and detection of blood coagulation using CNN and YOLOV8 algorithm | Dr. Surendra Reddy Vinta, VIT-AP University<br>Dr. Sagar Dhanraj Pande, VIT-AP University<br>Mr. Bayya Mohith, VIT-AP University | 22-12-2023 |
| 98 | 202341077974 | Genre-based Story Generation and Storytelling from Images: A Hybrid Approach | Dr. Surendra Reddy Vinta, VIT-AP University<br>Dr. Sagar Dhanraj Pande, VIT-AP University<br>Ms. Gudluri Saranya, VIT-AP University | 22-12-2023 |
| 99 | 202341080406 | Potato Leaf Disease Classification Using CNN with YOLO-V8 | Dr. Sagar Dhanraj Pande,VIT-AP University<br>Dr Surendra Reddy Vinta, VIT-AP University<br>Ms. Ambati Leena Reddy, VIT-AP University | 22-12-2023 |
| 100 | 202341077497 | Deep Collaborative Filtering using Hybrid Feedback (DCF – HF). | Ms. V Lakshmi Chetana, VIT-AP University<br>Dr. Hari Seetha, VIT-AP University | 22-12-2023 |
| 101 | 202341079648 | Adaptive Helmet wear detection for motor cycle riders using ARDUINO | Dr. Syed Khasim, VIT-AP University<br>Mr. Vallem Eswar Reddy, VIT-AP University<br>Ms. Nellore Venkata Sravani, VIT-AP University | 22-12-2023 |

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| 102 | 202341080408 | Online Location based Blood Glucose Monitoring System with Voice Assistant for Visually Challenged People | Dr. G Muneeswari, VIT-AP University | 22-12-2023 |
| 103 | 202341076658 | A Novel Mix-Max-based Classifier to Machine Learning | Dr. Karthika Natarajan, VIT-AP University<br>Valiveti Manikanta Bhuvanesh, VIT-AP University<br>Chandana Gouri Tekkali, VIT-AP University | 22-12-2023 |
| 104 | 202341081846 | Forest Pictures Colourization and Multiclass Classification using Hybrid Model | Dr. Surendra Reddy Vinta, VIT-AP University<br>Dr. Sagar Dhanraj Pande, VIT-AP University<br>Ms.Sai Jaya Nithya Madhasu, VIT-AP University | 29-12-2023 |
| 105 | 202341078332 | AI based Automated Traffic management system | Dr. Nagendra Panini Challa, VIT-AP University<br>Dr. Abbaraju Sai Sathwik, VIT-AP University<br>Dr. Beebi Naseeba, VIT-AP University | 29-12-2023 |
| 106 | 202341083224 | IOT Based EV Motor Health Tracking | Dr. Gouranga Mandal, VIT-AP University<br>Mr. Ayush Yadav, VIT-AP University<br>Mr. Ratan Srivastav, VIT-AP University<br>Ms. Khyathi Varshinee, VIT-AP University | 29-12-2023 |
| 107 | 202241076849 | An Invention On Heart Disease Prediction Model Based On Travel-Hunt Deep CNN | Dr. Agam Das Goswami, VIT-AP University<br>Mr. Girish Shrikrushnarao Bhavekar, VIT-AP University | 06-01-2023 |
| 108 | 202341003996 | A Novel Approach for Early Prediction of Knee Osteoarthritis using Ensemble-CNN Algorithms | Mr. Ganesh Kumar M, VIT-AP University<br>Dr. Agam Das Goswami, VIT-AP University | 10-02-2023 |
| 109 | 202341006586 | DESIGN & DEVELOPMENT HEART DISEASE PREDICTION MODEL BASED ON HYBRID RNN WITH LSTM NETWORK | Mr. Girish Shrikrushnarao Bhavekar, VIT-AP University<br>Dr. Agam Das Goswami, VIT-AP University | 10-02-2023 |
| 110 | 202341004103 | A HYBRID SECURITY FRAMEWORK FOR ENCRYPTION, DECRYPTION AND KEY EXCHANGE TOWARDS PQC | Dr. SUDHA ELLISON MATHE, VIT-AP University<br>Ms. MAMATHA BANDARU, VIT-AP University<br>Ms. DIVYA BANDI, VIT-AP University<br>Mr. NAVEEN KUMAR PENJERLA, VIT-AP University | 17-02-2023 |

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| 111 | 202341007073 | Early Prediction of Cardio Vascular Disease using optimized feature ranking & Deep neural network | Dr. Agam Das Goswami, VIT-AP University<br>Mr. Girish Shrikrushnarao Bhavekar, VIT-AP University | 24-02-2023 |
| 112 | 202341005552 | Design and development of the change detection model using the satellite images with WaHO-based U-Net | Dr. Neha Gupta, VIT-AP University<br>Ms. Chafle Pratiksha Vasantrao , VIT-AP University | 24-02-2023 |
| 113 | 202341007074 | Chi-square optimization based heart disease prediction algorithm with artificial neural network | Dr. Agam Das Goswami, VIT-AP University<br>Mr. Girish Shrikrushnarao Bhavekar, VIT-AP University | 24-02-2023 |
| 114 | 202341011882 | A PASSWORD-LESS AUTHENTICATION PROTOCOL FOR THE IOT ENVIRONMENT | Mr. E. PRAVEEN KUMAR, VIT-AP University,<br>Dr. S. PRIYANKA, VIT-AP University | 17-03-2023 |
| 115 | 202341011645 | VOLTAICON 2.0, Break Free Power Backup for Modem/Router | Dr. Khairnar Vikas Vishnu, VIT-AP University<br>Mr. Kamalesh Kumar K, VIT-AP University | 17-03-2023 |
| 116 | 202341012128 | A Reverse Power Routing Model for Improving the Performance of Integrated-Parallel Buck-Boost Converter | Ms. Chandini Mutta, VIT-AP University<br>Dr. Arvind Kumar Prajapati, VIT-AP University<br>Dr. Agam Das Goswami, VIT-AP University | 17-03-2023 |
| 117 | 202341014176 | Title of the Patent: Design and development of Grey Wolf Optimization-based deep CNN classifier for Knee Osteoarthritis detection: A Meta-heuristic approach | Dr Agam Das Goswami, VIT-AP University<br>Mr. Ganesh Kumar M, VIT-AP University | 17-03-2023 |
| 118 | 202341019159 | Effective Knee Osteoarthritis Classification Using Military Scrutolf Optimization Tuned Deep Convolutional Neural Network Classifier | Mr. Ganesh Kumar M, VIT-AP University<br>Dr. Agam Das Goswami, VIT-AP University | 31-03-2023 |
| 119 | 202341028554 | A Novel Method for Early Glaucoma Detection using 2D-Empirical Voronoi Wavelet Transform and Machine Learning Algorithms. | Mr. VELPULA VIJAYA KUMAR, VIT-AP University<br>Dr. LAKHAN DEV SHARMA, VIT-AP University | 05-05-2023 |

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| 120 | 202341025319 | Deep Convolutional Neural Network Classifier for Efficient Knee Osteoarthritis Classification | Mr. Ganesh Kumar M, VIT-AP University<br>Dr. Agam Das Goswami, VIT-AP University | 05-05-2023 |
| 121 | 202341026700 | A DEEP LEARNING BASED INSPECTION DEVICE FOR SHEET HAVING TISSUE STRUCTURE AND IMAGE PROCESSING | Dr.S.Srinivasa Rao, Malla Reddy College of Engineering & Technology<br>Dr.M.Sucharitha, VIT-AP University<br>Dr.R.Chinna Rao, Malla Reddy College of Engineering & Technology<br>Dr.N.Subash, Malla Reddy College of Engineering & Technology<br>Mr.G.Yeshwanth, Malla Reddy College of Engineering & Technology<br>Mr.K.Suprasen, Malla Reddy College of Engineering & Technology<br>Ms.K.R.S.Megana, Malla Reddy College of Engineering & Technology<br>Mr.P.K.N.V.Sai Kumar, Malla Reddy College of Engineering & Technology<br>Mr.Y.Satya Sai Srinivas, St. Martin's Engineering College<br>Mr.Khadeer Shaik, Malla Reddy College of Engineering & Technology | 05-05-2023 |
| 122 | 202341034188 | Apparatus for Espionage Detection | Mr. Kudipudi Rajesh Sai, VIT-AP University<br>Dr. Purnachand Nalluri, VIT-AP University<br>Mr. Kanigalpula S S V M Harshith, VIT-AP University<br>Mr. Paruchuri Dinesh Sai Teja, VIT-AP University | 16-06-2023 |
| 123 | 202341033931 | The Retrofit: HIGHLY EFFICIENT AND DURABLE BATTERY | Mr. Kamalesh Kumar K, VIT-AP University<br>Dr. Khairnar Vikas Vishnu, VIT-AP University | 16-06-2023 |
| 124 | 202341034189 | A single inductor feedback based inverter (not gate) ring oscillator for waveform generation | Dr. Arun Kumar Sinha, VIT-AP University | 16-06-2023 |
| 125 | 202341034186 | Automated Radiation Mapper using Drone | Dr. Purnachand Nalluri, VIT-AP University<br>Dr. Anoop Kumar Mishra, VIT-AP University<br>Mr. Mogarala Sethu Kumar, VIT-AP University<br>Dr Ravindra Dhuli, VIT-AP University<br>Dr Neha Gupta, VIT-AP University | 16-06-2023 |

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| 126 | 202341032824 | Augmented Reality-Based Speech Therapy for Children with Developmental Verbal Dyspraxia (DVD) | Ms. Kodali Radha, VIT-AP University<br>Dr. Mohan Bansal, VIT-AP University | 23-06-2023 |
| 127 | 202341032532 | Detecting and correcting mispronunciations in non-native children's speech using SimCLR self-supervised learning | Ms. Kodali Radha, VIT-AP University<br>Dr. Mohan Bansal, VIT-AP University | 23-06-2023 |
| 128 | 202321036400 | System and method for providing intelligent charbot communication using IOT devices | Dr. Raj Kishore Mishra, Pune Institute of Business Management, Pune<br>Dr. V. Nagajothi Velayutham Pillai, Tamil Nadu<br>Dr J Jayalalitha, Fisheries University,Chennai<br>Prof. (Dr.) A. Shanmuganathan, Noida International University, Delhi (NCR)<br>Dr. Nellore Manoj Kumar, Independent Researcher, Infinite-Research, Founder and CEO, Gollapalem, Venkatagiri, Tirupati<br>Dr. Sk. Riyaz Hussain, RGUKT, Nuzvid<br>Mr. Udaya Kumar Ambati, RGUKT, Nuzvid<br>Dr. G. Bhanu Kiran, RGUKT, Nuzvid<br>Dr. Maddikera Kalyan Chakravarthi, VIT-AP University | 30-06-2023 |
| 129 | 202341040184 | Electrobar: Power Backup For 5V/12V GSM | Dr. Khairnar Vikas Vishnu, VIT-AP University<br>Mr. Kamalesh Kumar K, VIT-AP University | 30-06-2023 |
| 130 | 202341038583 | Importance of slots in patch antenna for frequency band addition and rejection | Dr. Bappadittya Roy, VIT-AP University<br>Mr. Venkata Lakshmaiah Y, VIT-AP University | 30-06-2023 |
| 131 | 202341039073 | Design & Development of ECG Classification Using Ensemble CNN and Bio-Inspired Computational Models | Dr. Agam Das Goswami, VIT-AP University<br>Dr. (Mrs) Dipti Patra, NIT Rourkela<br>Dr. G R Sinha, MIIT, Mandalay<br>Dr. Snehal B Shinde, VIT-AP University<br>Dr. Nileshchandra Kalabarao Pikle, VIT-AP University<br>Mr. Girish Shrikrushnarao Bhavekar, VIT-AP University | 30-06-2023 |
| 132 | 202341041177 | Secure Communication model for Smart Grid (SG) using LoRa | Mr. Repuri Raja Kishore, VIT-AP University<br>Dr. John Pradeep Darsy, VIT-AP University | 07-07-2023 |

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| 133 | 202341041012 | Passive Component Selection under Multiple Load Conditions for ZETA DC-DC Converter | Mr. Shreyas R. Hole, VIT-AP University<br>Dr. Agam Das Goswami, VIT-AP University | 18-08-2023 |
| 134 | 202341045529 | Automated seed drill implantation Robot | Mr. Maddela Madhav Mithra Maruthi Sai Raghava, VIT-AP University<br>Dr. Gurumurthy Komanapalli, VIT-AP University | 01-09-2023 |
| 135 | 202341042838 | Development of an Accurate Heart Disease Diagnosis System using ECG and PCG Signals: A Comprehensive Methodology | Mr. Nadikatla Chandrasekhar, VIT-AP University<br>Dr. Samineni Peddakrishna, VIT-AP University | 01-09-2023 |
| 136 | 202341045527 | Drain Engineered DM-SDZ-TFET Biosensor for Label-free Detection of biomolecules | Ms. Bitra Jayalakshmi, VIT-AP University<br>Dr. Gurumurthy Komanapalli, VIT-AP University | 01-09-2023 |
| 137 | 202341049634 | Design and Analysis of a CFOA-Based Oscillator with Complete Resistive Tuning and Low Parametric Sensitivity | Ms. Gandikota Naga Chandrika, VIT-AP University<br>Dr. Gurumurthy Komanapalli, VIT-AP University | 01-09-2023 |
| 138 | 202341053714 | A smart BMS for Electric Vehicles | Mr. Gopal Reddy Lakkireddy, VIT-AP University<br>Dr. Sudha Ellison Mathe, VIT-AP University | 01-09-2023 |
| 139 | 202341048057 | A Single-ended and Low Leakage 8T SRAM cell for portable biomedical applications | Mr. Appikatla Phani Kumar, VIT-AP University<br>Dr. Rohit Lorenzo, VIT-AP University | 01-09-2023 |
| 140 | 202341043763 | A novel Edge Node based Automated Diabetic Retinopathy Detection System | Ms. Anitha Subramanian, VIT-AP University<br>Dr. Priyanka S, VIT-AP University | 01-09-2023 |
| 141 | 202341055235 | Framework for Vehicle Security and Authentication Module Controlled via Bluetooth and Face Recognition Technology | Mr. Praveen Kumar E, VIT-AP University<br>Dr. S. Priyanka, VIT-AP University | 01-09-2023 |
| 142 | 202341050475 | Fifth Generation three Element Antenna Array For milli-meter wave applications | Mr. Satish Kumar Duddu, VIT-AP University<br>Dr. Jayendra Kumar, VIT-AP University | 01-09-2023 |

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| 143 | 202341049815 | Novel technique for Eosinophilic myocarditis classification using CiSSA, DBPEWT and nature inspired optimization algorithms | Mr. M Krishna Chaitanya, VIT-AP University<br>Dr. Lakhan Dev Sharma, VIT-AP University | 01-09-2023 |
| 144 | 202341055973 | Unmasking the Masked: Deep learning-based approach for reconstructing and recognizing masked faces | Dr. Naveen Cheggoju, VIT-AP University<br>Mr. Mallela Jayadeep, VIT-AP University<br>Dr. Sudha Ellison Mathe, VIT-AP University | 01-09-2023 |
| 145 | 202341047453 | SUPA – Smart Universal Power Adapter | Dr. Nalluri Purnachand, VIT-AP University<br>Dr. Y. V. Pavan Kumar, VIT-AP University<br>Dr. D. John Pradeep, VIT-AP University<br>Mr. V. Bharath Kumar, VIT-AP University | 01-09-2023 |
| 146 | 202341055965 | An Approach to Predict Sleeper Chain | Mr. Paruchuri Dinesh Sai Teja, VIT-AP University<br>Mr. Kanigalpula S. S. V. M. Harshith, VIT-AP University<br>Dr. Nalluri Purnachand, VIT-AP University<br>Dr. Y. V. Pavan Kumar, VIT-AP University | 01-09-2023 |
| 147 | 202341046385 | Easy Driving CAR on Flood Area | Dr. Bappadittya Roy, VIT-AP University | 01-09-2023 |
| 148 | 202341054620 | Smart RO Self Cleaning System | Dr. Purnachand Nalluri, VIT-AP University<br>Mr. Vanami Naga Venkata Jashwanth, VIT-AP University<br>Mr. Manepalli Venkata Nageswara Rao, VIT-AP University | 01-09-2023 |
| 149 | 202341042210 | Development of Perception System for Emergency Vehicle Detection | Mr. Chinthamaneni Neelesh, VIT-AP University<br>Mr. Apata Dhana Sai Teja, VIT-AP University<br>Mr. M. Sri Seshs Sai Manoj, VIT-AP University<br>Mr. M. Naresh, VIT-AP University<br>Dr. Samineni Peddakrishna, VIT-AP University<br>Dr. Umakanta Nanada, VIT-AP University | 01-09-2023 |
| 150 | 202341052924 | IoT based Remote Vigilance System for Children and the Elderly | Dr. S.M.A.K. Azad, VIT-AP University<br>Ms. Lakshmi Jayani Penumarthy, VIT-AP University<br>Ms. Riya Deulkar, VIT-AP University | 01-09-2023 |

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| 151 | 202341035518 | Fifth Generation Unit Element Antenna For FR-2 Band Array | Mr. Narayana Rao Palepu, VIT-AP University<br>Dr. Jayendra Kumar, VIT-AP University | 01-09-2023 |
| 152 | 202341057382 | VerdantGuard: An AI-IoT Guardian for plant disease detection | Dr. Mohan Bansal, VIT-AP University<br>Dr. Rajeev Sharma, VIT-AP University | 08-09-2023 |
| 153 | 202341056526 | IoT Based Food Freshness and Quantity Detection System | Dr Samineni Peddakrishna, VIT-AP University<br>Dr. Rohit Lorenzo, VIT-AP University<br>Mr. M Naresh, VIT-AP University | 08-09-2023 |
| 154 | 202341062425 | Design of a Solar PV system with a MPPT using a hybrid sea-winged optimization technique | Dr. Agam Das Goswami, VIT-AP University<br>Mr. Shreyas R. Hole, VIT-AP University | 29-09-2023 |
| 155 | 202341063676 | A High-Performance Chopper Amplifier with Improved Common Mode Rejection Ratio for Precise Bio-Potential Recordings | Mr. Bhaskara Rao K, VIT-AP University<br>Dr. Gurumurthy Komanapalli, VIT-AP University | 06-10-2023 |
| 156 | 202341063496 | USARA - Ultra Small Annular Ring Antenna Domain of the Idea: RF and Microwave | Ms. Padmaja Priyadarsini P, VIT-AP University<br>Dr. Chandu D S, VIT-AP University | 06-10-2023 |
| 157 | 202341063220 | An Efficient, Scalable, Regular 4/8/16 bit Comparator in Quantum-dot Cellular Automata (QCA) Technology Using XOR Gates | Ms. Patthi Aruna, VIT-AP University<br>Dr. Gurumurthy Komanapalli, VIT-AP University | 06-10-2023 |
| 158 | 202341059380 | Gabor Based Convolutional Neural Network with Attention Module for Stereoscopic 3D Image Quality Assessment | Ms. Jyothisri. V, VIT-AP University<br>Dr. Sameeulla Khan Md, VIT-AP University | 06-10-2023 |
| 159 | 202341061968 | Lung Disease Classification using Mechanical Neural Networks(MNN) | Mr. Sahebgoud Hanamantray Karaddi, VIT-AP University<br>Dr. Lakhan Dev Sharma, VIT-AP University | 06-10-2023 |
| 160 | 202341063219 | Transform Selection in VVC Adaptive Multiple Transform Algorithm | Mr. Anil Chowdary Tummala, VIT-AP University<br>Dr. Purnachand Nalluri, VIT-AP University | 06-10-2023 |

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| 161 | 202341063497 | A Gate stacked SOI based Vertical TFET with Elevated Channel for Improved DC performance | Mr. Diganta Das, VIT-AP University<br>Dr. Chandan Kumar Pandey, VIT-AP University | 06-10-2023 |
| 162 | 202341063500 | An Effective Heart Disease Detection and Prediction using IoT and Deep Learning Techniques | Mr. Girish Shrikrushnarao Bhavekar, VIT-AP University<br>Dr. Agam Das Goswami, VIT-AP University | 06-10-2023 |
| 163 | 202341062388 | Contactless Food Handling System in Institutional Cafeterias, “A tool for COVID-19 prevention” | Ms. K. Bindu, VIT-AP University<br>Ms. P. Raga Siri, VIT-AP University<br>Ms. G. Keerthi, VIT-AP University<br>Dr. S. M. A. K. Azad, VIT-AP University | 06-10-2023 |
| 164 | 202341066309 | A High-Performance Chopper Stabilized Amplifier utilizing VDTA with Improved CMRR for Precise Bio-Potential Acquisition System | Mr. Bhaskara Rao K, VIT-AP University<br>Dr Komanapalli Gurumurthy, VIT-AP University | 20-10-2023 |
| 165 | 202341068927 | A Circular Monopole Antenna for Bandwidth Enhancement with Triple Band Notch Characteristics Using Cylinder Slots | Mr. Venkata Lakshmaiah Y, VIT-AP University<br>Dr. Bappadittya Roy, VIT-AP University | 27-10-2023 |
| 166 | 202341070835 | Cognitive load detection through EEG signals using Binary Optimized feature selection and Machine learning | Mr. JAMMISETTY YEDUKONDALU, VIT-AP University<br>Dr. LAKHAN DEV SHARMA, VIT-AP University | 24-11-2023 |
| 167 | 202341070840 | Ferroelectric layer-based L-shaped tunnel field-effect transistor (FEL-TFET) for Improvement in DC and Analog/HF Performance | Mr. Anil Kumar Pathakamuri, VIT-AP University<br>Dr. Chandan Kumar Pandey, VIT-AP University | 24-11-2023 |
| 168 | 202341070837 | Deep learning based speech enhancement using time-frequency attentive temporal convolutional networks | Dr. Sunnydayal Vanambathina, VIT-AP University<br>Mr. Jannu Chaitanya, VIT-AP University | 24-11-2023 |
| 169 | 202341067179 | Sensor-Based Train Detection and Warning system for Loop Line Tracks | Dr. Subhasish mahapatra, VIT-AP University<br>Mr. Lade Aryan Amruth, VIT-AP University | 24-11-2023 |

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| 170 | 202341070174 | Design of Integrated Linear Transformer-Diode Bridge Rectifier to Improve the Power Quality in Electric Vehicle Charging Station | Mr. Sugunakar Mamidala, VIT-AP University<br>Dr. Y. V. Pavan Kumar, VIT-AP University<br>Dr. Arvind Kumar Prajapati, VIT-AP University | 24-11-2023 |
| 171 | 202341074284 | Dual Bioinspired Advancements for Solar PV MPPT Collective Predictive Regulate Models | Dr. Agam Das Goswami, VIT-AP University<br>Mr. Shreyas R. Hole, VIT-AP University | 15-12-2023 |
| 172 | 202341080253 | LoRa-Enabled Water Level Monitoring and Control System: Integrating Anti-Dry-Run Mechanisms, Voltage Safety Protocols, and Solar-Powered Functionality | Mr. Kamalesh Kumar K, VIT-AP University<br>Dr. Khairnar Vikas Vishnu, VIT-AP University | 22-12-2023 |
| 173 | 202341076665 | Dielectric Pocket Nanotube Junctionless Field Effect Transistor for Improved DC Performances | Dr. Chandan Kumar Pandey, VIT-AP University<br>Mr. Desai Ajith Kumar, VIT-AP University | 22-12-2023 |
| 174 | 202341079646 | Artificial intelligence enabled driver-drowsiness detection using multi-modal signals and collision avoidance system | Dr. Jaiverdhan, VIT-AP University<br>Dr. Lakhan Dev Sharma, VIT-AP University | 22-12-2023 |
| 175 | 202341083225 | A Low-Power Self-recoverable Radiation-Resistant SRAM Circuit for Aerospace and Military Electronic Applications | Mr. Mukku Pavan Kumar, VIT-AP University<br>Dr. Rohit Lorenzo, VIT-AP University | 29-12-2023 |
| 176 | 202341083226 | Smart Battery Management System Integrated with Cell Swapping Technology for Electric Vehicles | Ms. Ponnaganti Chandana, VIT-AP University<br>Dr. Ameet Chavan, VIT-AP University | 29-12-2023 |
| 177 | 202341081040 | An IOT module for calculating the SEC of a Seafood industry<br>Domain of the Idea : IoT devices | Mr. Sujith S, VIT-AP University<br>Dr. Subhasish Mahapatra, VIT-AP University | 29-12-2023 |
| 178 | 202341029286 | Fabrication of Bi-directional Functionally Graded Plate with a Reusable Die-Mat Design for Aerospace Applications | Dr. Boggarapu Vasavi, VIT-AP University<br>Dr. P. S. Rama Sreekanth, VIT-AP University | 05-05-2023 |

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| 179 | 202341029897 | Fabrication of Triple Layered Hybrid UHMWPE Composite Configurtation for orthopaedic applications | Dr. P.S.Rama Sreekanth, VIT-AP University<br>Mr. Sri Ram Murthy Paladugu, VIT-AP University | 26-05-2023 |
| 180 | 202341033974 | A Portable Ventilation System for Covid Isolation Room | Dr. Manas Kumar Pal, VIT-AP University<br>Mr. Jeevanantham S, VIT-AP University | 16-06-2023 |
| 181 | 202341052925 | AUTO RECHARGING ELECTRIC CAR USING GREEN ENERGY | Bhargav Mulka, VIT-AP University<br>Ambuj Sharma, VIT-AP University<br>Dr. Pankaj Balkrishna Tambe, VIT-AP University | 01-09-2023 |
| 182 | 202221069532 | STUDY ON ANALYZING SOCIAL MEDIA PROMOTIONAL TACTICS IN RETAIL SECTOR | Dr. Arif Hasan<br>Dr. Dinesh Gupta<br>Mrs. PV Ajitha<br>Dr. Abhishek Singhal<br>Prof. Manoj Kumar Mishra<br>Dr. Syed Gous<br>Dr. Ashish Rami<br>Ms. Ayushi Gaur<br>Dr. Ranjan Kumar, VIT-AP University<br>Mr. Navnit Kumar Shukla<br>Mr. Shubham Kumar Tripathi, VIT-AP University<br>Mr. Ankit Dubey, VIT-AP University | 03-02-2023 |
| 183 | 202341009050 | Touchless Automated Ticket Booking System Using Hand Gestures and Speech Recognition | Dr. Santanu Mandal, VIT-AP University<br>Ms.Tarini Guttula, VIT-AP University<br>Ms. Harichandana Srikurmum, VIT-AP University<br>Mr. Srimon Soondar Dey, VIT-AP University | 24-02-2023 |
| 184 | 202341031096 | Chromium Free Conversion Coating of Aluminium Alloys | Dr. J SUDAGAR, VIT-AP University<br>Dr. A. SELVAKUMAR, VIT Chennai | 16-06-2023 |
| 185 | 202341032533 | Chromium Free Conversion Coating of Magnesium Alloys | Dr. J SUDAGAR, VIT-AP University<br>Dr. A. SELVAKUMAR, VIT Chennai | 18-08-2023 |

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| 186 | 202341051513 | Novel design and method for electricity generation using the vertical motion of fins mounted on the hull of a boat or ship | Dr. Santanu Mandal, VIT-AP University<br>Mr. Chinmay Raut, VIT-AP University<br>Mr. Soumyadip Chowdhuri, VIT-AP University<br>Mr. Aravindan V, VIT-AP University | 01-09-2023 |
| 187 | 202341062911 | Autonomous Weed Removal and Collector Robot with Automatic Lane Tracking System | Dr. Santanu Mandal, VIT-AP University<br>Mr. Sourav Dhansukh Patil, VIT-AP University<br>Mr. Chinmay Raut, VIT-AP University | 06-10-2023 |
| 188 | 202341056253 | Ultrafast Crystallization of Amproush Anodic TiO 2 Nanotubes Through Microwave Assisted Hydrothermal Technique | Dr. Manmadha Rao Banki, VIT-AP University<br>Mr. Raghavendra Garlapally, VIT-AP University | 15-12-2023 |
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