

| <b>Provisional List of Accepted Papers in AMRIT-2023</b>         |                   |   |
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| <b>(Subject to fulfillment of all the conference guidelines)</b> |                   |   |
| <b>Sl. No.</b>   | <b>Paper Code</b> | <b>Title of the paper</b>   |
| <b>Review Point Value: 4</b>                                     |                   |   |
| 1  | 8393              | Real-Time Semantic Edge Segmentation Using Modified Channel-wise Feature Pyramid                                      |
| 2  | 6215              | IMAGE QUALITY ENHANCEMENT METHODS FOR THE CORRECTION OF ARTIFACTS AND REMOTE SENSING SCENE CLASSIFICATION             |
| 3  | D013              | Parts of Speech tagged Phrase-Based Statistical Machine Translation System for English→Mizo Language                  |
| 4  | D014              | Speed Control of PMSM using Modified Particle Swarm Optimization Technique Based on Inertia Weight Updating Mechanism |
| 5  | D029              | Verifying the Reliability of Quantum Random Number Generators: A Comprehensive Testing Approach                       |
| 6  | D031              | In-silico Models for Predicting Renal Toxicity of compounds with Deep Learning and Machine Learning Techniques        |
| 7  | 6944              | An Efficient ACO based Routing and Data Fusion Approach for IoT Networks  |

| <b>Review Point Value: 3</b> |      |  |
|------------------------------|------|--|
| 1                            | 9017 | Galactic Simulation: Visual Perception of Anisotropic Dark Matter  |
| 2                            | 7071 | Brain Tumor Segmentation using Deep Learning Techniques: Comparative Analysis  |
| 3                            | 644  | DETECTION OF LEAF DISEASE USING MASK REGION BASED CONVOLUTIONAL NEURAL NETWORK   |
| 4                            | 7394 | A Study on WhatsApp Chat Analysis Using NLP and ML   |
| 5                            | 9229 | An approach to Arduino uno based smart car parking system  |
| 6                            | 8589 | Arduino based Multipurpose Solar Powered Agricultural Robot capable of Ploughing, Seeding and Monitoring Plant Health              |
| 7                            | 1237 | An Approach to Android-based Search and Rescue Robot   |
| 8                            | 7812 | Intrusion Detection System using Ensemble Learning Analytics   |
| 9                            | 3885 | A Novel Approach for privacy preserving technique in IoT fog and cloud environment   |
| 10                           | 2225 | Object Detection and Blurring in real-time using Deep Learning   |
| 11                           | 5212 | An Efficient Object Detection Model for Autonomous Driving Systems   |
| 12                           | 9104 | Clothing Fashion Image Generation from Text using Artificial Intelligence  |
| 13                           | 2015 | Leveraging Transfer Learning for Detecting Misinformation on Social Media  |
| 14                           | 969  | Protein Secondary Structure Prediction without Alignment using Graph Neural Network  |
| 15                           | 4300 | A Systematic Review on Latest Approaches of Automated Sleep Staging System using Machine Intelligence Techniques                   |
| 16                           | 4439 | Deep learning techniques for detection of Deepfakes  |
| 17                           | 8631 | Extended Computational Method for Diagnosing Alzheimer disease from MRI of Brain at Premature Stage                                |
| 18                           | 7551 | Sentiment Analysis: Indian languages perspective   |
| 19                           | 6016 | A Survey on Lung Cancer Detection and Location from CT Scan using Image Segmentation and CNN                                       |
| 20                           | 3978 | A GUI Based Study of Weather Prediction using Machine Learning Algorithms  |
| 21                           | 2756 | Machine Learning Model for Self Driving Car Simulation with Udacity' s Simulator   |
| 22                           | 3877 | Deep Learning model for Fish Copiousness Detection to Maintain the Ecological Balance Between Marine Food Resources and Fishermen  |
| 23                           | 3889 | A Study on Smart Contract Security Vulnerabilities   |
| 24                           | 5076 | Information Extraction for Design of a Multi-Feature Hybrid Approach for Pronominal Anaphora Resolution in a Low Resource Language |
| 25                           | 5337 | Genetic Algorithm based Anomaly Detection for Intrusion Detection  |
| 26                           | 6522 | Authorship Attribution for Assamese Language Documents: Initial Results  |
| 27                           | 8751 | An Online Auction Algorithm to contain the Malicious Behavior in an Intermittent Mobile Ad Hoc Network                             |
| 28                           | 9171 | Protocol Anomaly Detection in IIoT   |
| 29                           | 1375 | An osprey optimization based efficient controlling of nuclear energy-based power system  |
| 30                           | D006 | Design and Analysis of Optimization Algorithm for Efficient Channel Deployment in Wireless   |
| 31                           | D008 | Text to Image Generation using Attentional Generative Adversarial Network  |
| 32                           | D009 | Attention-CoviNet:A Deep-Learning Approach to Classify Covid-19 using Chest X-Rays   |
| 33                           | D011 | Optimization of traffic management-SDN   |
| 34                           | D012 | A Deep Learning Framework for Violence Detection in Videos using Transfer Learning   |
| 35                           | 2274 | Fuzzy Association Rule Mining Techniques and Applications  |
| 36                           | 4988 | Optimized Traffic Management in Software Defined Networking  |

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| 37 | 4717 | NETWORK SECURITY THREATS DETECTION METHODS BASED ON MACHINE  |
| 38 | D015 | Multi-focus Image Fusion methods: A Review   |
| 39 | 7316 | Load Balancing and Energy Efficient Routing in Software-Defined Networking                               |
| 40 | 8354 | Comparative Analysis of Different Machine Learning Based Techniques For Crop Recommendation              |
| 41 | D020 | A SURVEY ON CACHE MEMORY AND ON-CHIP CACHE ARCHITECTURE  |
| 42 | 196  | A Hybrid Framework for implementing Modified K-Means Clustering Algorithm for Hindi                      |
| 43 | 787  | An Improved Machine Learning approach for throughput prediction in the Next Generation Wireless Networks |
| 44 | 1184 | A Lexicon-Based Approach for Sentiment Analysis of Bodo Language   |
| 45 | 1157 | Multi-class document classification using trigram approach   |
| 46 | D023 | Authenticating Smartphone Users Continuously Even If the Smartphone Is in the User's Pocket              |
| 47 | D024 | Comparative Analysis of Machine Learning Algorithms for COVID-19 Detection and Prediction                |
| 48 | D025 | Machine Learning Classifiers Explanations with Prototype Counterfactual                                  |
| 49 | D026 | A Thorough Study of Super-Resolution Generative Adversarial Networks                                     |
| 50 | D027 | Stance Detection in Manipuri Editorial Article using CRF   |
| 51 | D028 | Question Tagging and Vulnerability Detection   |
| 52 | D035 | Enhancing Melanoma Skin Cancer Detection with Machine Learning and Image Processing Techniques           |
| 53 | D005 | Agricultural Informatics & ICT: The foundation, issues, challenges and possible solutions—A Policy work  |
| 54 | 3468 | Brain Tumor Detection Using VGG-16   |

**Review Point Value: 2**

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|---|------|--|
| 1 | 3123 | Diagnosis and Forecast of Murder rates in India using Random Forest and prophet algorithm  |
| 2 | 5969 | Machine learning based Malware Identification And Classification in PDF: A Review paper  |
| 3 | D002 | Business Operation using Identification of Product using Blockchain Technology —Context of Developing Countries emphasizing Nepal              |
| 4 | D016 | Digital Society: Concept & Emergence as an Educational Programs with reference to implications of Digital Education - A Conceptual Policy work |
| 5 | D017 | Applications and Potentialities of Artificial Intelligence and Machine Learning in Smart & Intelligent Cities: An Overview                     |
| 6 | D022 | Novel Peristaltic Robot with Electromagnetic Segmentation for Endoscopic Applications  |
| 7 | D030 | A Comprehensive Study of the Performances of Imbalanced Data Learning Methods With Different Optimization Techniques                           |

**Review Point Value: 1**

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|---|------|--|
| 1 | 8769 | An Automated Software for Rental House Management System: An Approach for 21st Century Lifestyle and Society 5.0       |
| 2 | 568  | A Smart Tool for Laundry Management System: An Integrated way for Next Gen. Society 4.0                                |
| 3 | 125  | Textual Content Analysis for Emotion Identification: ML based Empirical Study using Pipeline                           |
| 4 | 4736 | A SURVEY ON: GENERATING SPEECH DESCRIPTION FROM MUTED VIDEOS   |
| 5 | 3006 | Ventricular Tachycardia Risk Prediction  |
| 6 | 1003 | E-Safe: An E-waste Management and Awareness Application using YOLO Object Detection                                    |
| 7 | D001 | Big Data Vis-à-Vis Educational Development: The Context of Digital Education & its Enhancement—An Overview             |
| 8 | D004 | Internet of Things (IoT) in Enhancing Onsite and Online Educational Development—An Era for Digital Education Promotion |
| 9 | 9508 | Threat Detection and Classification Using ML Techniques  |