

Andhe Dharani
Vijayalakshmi M. N
S. Meenakshi Sundaram
Manjuprasad B
Khateeja Ambareen
(Editors)

Proceedings of
3rd National Conference on Image Processing,
Computing, Communication, Networking and
Data Analytics

NCICCND A 2018 (28th April 2018)

Organized by
Department of Computer Science and Engineering,
GSSS Institute of Engineering and Technology for Women,
Mysore, Karnataka (India)

Published by
AIJR Publisher, 73, Dhaurahra, Balrampur, India 271604



Table of Contents

| | |
|---|------|
| Preface | i |
| Committees | ii |
| Review Process | iv |
| List of Reviewers | v |
| About the Editors | vi |
| Acknowledgment | viii |
| Ontology Based Text Mining Method Using Cluster Approach | 1 |
| Effective Data Access Control in Mobile Cloud Computing Using LDSS CP-ABE | 6 |
| Road Safety Surveillance and Intelligent Traffic Management System | 15 |
| Power Generation Using LiveCode | 19 |
| Remote Tutor – A Novel Interactive Collaborative Teaching Method for E-learning an application of Raspberry Pi | 26 |
| Quick Dr: A Smart Mobile Application for Health Care | 32 |
| Hand Gesture Recognition Based Social Assistive Robot Controls for Wheelchair Applications | 39 |
| Smart Phone Application on MIMO (Organ Donation) | 44 |
| Localized Secure Examination Printing Service with Remote Locking | 50 |
| Secured Data Sharing and Access Control for Cloud Computing Systems using CP-ABE Algorithm with Verifiable Delegation | 57 |
| Dynamic Facet Ordering for Faceted Product Search Engines | 62 |
| Blind Hurdle Stick: Android Integrated Voice Based Intimation via GPS with Panic Alert System | 69 |
| An Intelligent Intensive Care Unit for Patient Monitoring System | 76 |
| Enhanced Performance and Security for Manet’s Against Blackhole Attack Blackhole Attacks | 80 |
| BLE Beacon Based Museum Knowledge Sharing Platform | 94 |
| A Smart Waste Bin for Waste Disposal | 99 |
| An Android Application on Wi-Fi Direct | 105 |
| GPS Based Toll Collection System | 110 |
| Wireless Home Security Surveillance System Using Android Application | 115 |
| IOT Based Load Monitoring and Auditing System | 123 |
| Compatible and Confidentiality-Preserving Friend Matching in Mobile Cloud | 127 |

| | |
|---|-----|
| Security System for Cloud Based Services | 132 |
| CAN Based Vehicle Health Monitoring System | 136 |
| Intelligent Parking Based on Geolocation Using IoT | 143 |
| Secured Certificate Based Authentication | 148 |
| An Android Application for Employee Information Security at Master Control Facility | 155 |
| Scalable Approach for Content-Based Image Retrieval in Peer-to-Peer Networks | 160 |
| Prediction of Crime Pattern and Suspects Using Datamining Techniques..... | 166 |
| Intelligent Parking System Using IOT | 172 |
| TE AROHA | 178 |
| Graphical Password with Convex Hull | 182 |
| Bank Authentication for Mobile Payment Services..... | 188 |
| Modelling of Moving Object Detection using GCM Alert System..... | 193 |
| A Survey on Collaborative Learning Approach for Speech and Speaker Recognition..... | 199 |
| A Survey on Agricultural Application based on Android | 206 |
| Developers Guide for Android Applications | 210 |
| Data Migration Techniques in Cloud..... | 215 |
| Implementing of Data Quality in KYC using Cloud Environment | 221 |
| Measuring of Data Quality in KYC Using Anomaly Detection Techniques..... | 228 |
| Unmasking Malignant Facebook Applications - A survey..... | 234 |
| A Survey on the Implementation of Reinforcement Learning on Shared Taxi System | 241 |
| A Survey on Depiction of Image using Tone and Sketch..... | 253 |
| Internet of Things (IoT): A Revolutionary Approach towards Healthcare Surveillance..... | 257 |
| Big Data Revolution in Health Care Sector..... | 265 |
| Movie Recommendation System using Apache Spark..... | 280 |
| Automated Plant Count Using Unsupervised Classification on UAV Acquired Imagery | 287 |
| A Survey on Data Mining Techniques in Image Mining..... | 296 |
| 6LoWPAN NETWORK USING CONTIKI OPERATING SYSTEM..... | 300 |
| Secure Cloud Using Cryptography | 311 |
| Authorship Detection in Cyber World..... | 318 |
| Design & Implementation of Auto-Stabilizing Bike | 325 |

| | |
|--|-----|
| Android Application for Product Enquiry and Navigation | 329 |
| Obstacle Detection System in Dashcams using Convolutional Neural Networks | 335 |
| A Survey Paper on Security Challenges in Healthcare Cloud Computing | 341 |
| Big Data: Characteristics, Issues and Clustering Techniques | 348 |
| A Novel Approach for News Extraction Using Webscraping Technique..... | 359 |
| Game Playing Agent for 2048 using Deep Reinforcement Learning..... | 363 |
| Survey of Estimation of Crop Yield Using Agriculture Data | 371 |
| A Multiclass Classification Method Based on Convolutional Neural Network for Leaf Identification | 375 |
| Chronic Kidney Disease and Stage Detection Using Machine Learning Classifiers | 383 |
| A Survey on Evolution of Mobile Communication from 1G to 7G | 391 |
| Pothole Detection System..... | 398 |
| An Android App for IoT Based Remote Health Monitoring System..... | 401 |
| Survey on Online Social Networking Security | 407 |
| Security in Cloud Computing Using Blockchain Technology | 422 |
| Survey on Two-Factor Authentication with Security in Online Transaction | 440 |
| Survey on Parallel Patient Treatment Time Management System | 446 |
| Smart e-Commerce Recommendation System Using Data Mining Techniques..... | 458 |
| Gesture based and Voice Enabled Device Switching of Basic Needs for Paralyzed Persons | 462 |
| Evidence Aggregation Based Spam Detection in e-Commerce Social Network | 467 |
| Paddy Yield Prediction Model Using Data Mining Techniques | 474 |
| Conservation of Electricity Using Programmed Smart Street Lights | 478 |
| Segmentation and Clustering of Stakeholders using Data Mining Techniques | 482 |
| A Navigation Supporting System Using R-Tree | 489 |
| A Brief Information of Ethical Hacking | 495 |
| Insight into Applications of Deep Learning..... | 504 |