

2022 IEEE International Conference on Distributed Computing and Electrical Circuits and Electronics (ICDCECE 2022)

**Ballari, India
23 – 24 April 2022**



**IEEE Catalog Number: CFP22BE1-POD
ISBN: 978-1-6654-8317-9**

**Copyright © 2022 by the Institute of Electrical and Electronics Engineers, Inc.
All Rights Reserved**

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

****** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number:	CFP22BE1-POD
ISBN (Print-On-Demand):	978-1-6654-8317-9
ISBN (Online):	978-1-6654-8316-2

Additional Copies of This Publication Are Available From:

Curran Associates, Inc
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: (845) 758-0400
Fax: (845) 758-2633
E-mail: curran@proceedings.com
Web: www.proceedings.com

CURRAN ASSOCIATES INC.
proceedings
.com

2022 IEEE International Conference On Distributed Computing And Electrical Circuits And Electronics (ICDCECE-2022)

Ballari Institute Of Technology & Management STB

Pg. No	Paper ID	Authors Name	Paper Title
1	7	Karishma Chavhan Nobin Jaison Johnson Polaki Monika Prajwal. S Thimmareddygari Jagadeeswar Reddy	Analysis of Technologies used in Automatic Medicine Dispensing Systems
7	8	Bharath. G Nobin Johnson P. Monika Prajwal. S S. Aishwarya	Social Interaction & Service Robot for Hospital Wards
13	19	Rebecca M. Ruben Vijaya Kumar B.P. Naresh. E	Effective usage of Cognitive Computing for designing smart sensing systems and networks in Transportation
19	23	Nguyen Thi Ngan Bui Huy Khoi	Using Behavior of Social Network: Bayesian Consideration
24	28	Aditya Raj Mangalam Sudeep Singh C. Lalremtluanga Prakash Kumar Ranjita Das Joyanta Basu Saibal Chatterjee	Emotion Recognition From Mizo Speech: A Signal Processing Approach
30	29	Vishnu Anand Chinmaya Ravi Aniket Acharya Sahithya Papireddy Prajwala T.R.	Note-ing Hill: A note-making application
35	30	Chandra Shekhar Srivastava Sayyedhussain Siddiqui Kariyappa B.S.	Comparative Analysis of Charge Pumps for PLL Applications
40	32	Rajvi Shah Janushi Shastri Mohammed Husain Bohara Brijeshkumar.Y. Panchal Parth Goel	Detection of Different Types of Blood Cells: A Comparative Analysis

45	36	Poorna Nageswara Rao. M Nagesha. J Sanjukumar Srinivasarao Bollu Suma S. Lonkadi Kamaljeet Singh Nirmal A.V. Karri V.R. Dinesh Kumar Reddy Shaji V. Sebastian	Realization of Alumina based Pressure Window at Microwave Frequencies
49	38	S. Devipriya J. Martin Leo Manickam K. Jasmine Mystica	A Deep-Learning based approach to resource allocation in NOMA based Cognitive radio network with heterogeneous IoT users
55	39	Ila Rai Anand. R	Design of Suboptimal controller for improved dynamic response in DC microgrid linked to multiple constant power loads
60	40	Shachi Sinha Akash Deep Rai Monica Subashini. M	Remote Health Monitoring and Doctor on Call System
68	43	Sumit Swain Swaraj Sahoo Madhab Chandra Tripathy Sribatsa Behera	Modelling of Inverse Fractional-Order Band-pass and Band-stop Filters using Fractional-Elements
74	63	Shyla. N Kalimuthu. K	Learning assisted macro block selection for IPCM mode steganography in H.264 videos
80	64	Kalyan Dusarlapudi Kuthuri Narasimha Raju Nagireddy Charishma Ananthagiri Vandana	The Modelling and Analysis of Novel 2-Axis MEMS Accelerometer for Energy Harvesting Applications
85	65	Shubham Bavaskar Vaibhav Ghodake Gayatri Deshmukh Pranav Chillawar Atul Kathole	Image Classification Using Deep Learning Algorithms for Cotton Crop Disease Detection
93	67	Anurag Tiwari Ratnesh Singh Ayush Tripathi Sarthak Gupta Utkarsh Upadhyay Vineet Singh	Hybrid Lawyer Recommendation System Based on AGE-MOEA
99	70	Gururaj H.L. Soundarya B.C. Janhavi. V Lakshmi. H Prassan Kumar M.J.	Analysis of Cyber Security Attacks using Kali Linux
105	73	Vani Rajasekar Sabavath Sarika Velliangiri. S Iwin Thanakumar Joseph. S Kalaivani K.S.	An Efficient Intrusion Detection Model Based on Recurrent Neural Network

111	81	Shivalingaswamy G.D. Kothaiandal. C R. Selvamathi	Efficient off board DC charger design comparing with onboard DC charger for Electric Vehicles
118	101	Mohammed Irfan Ahamed. M Syed Naushad Abdul Lateef Haroon P.S. Misbha. K Noor Mohammed	Vandalizing camcorder recording by IR embedded screen and audio signal generator
124	103	Harishnaik K.P. Kiran Bailey	FPGA Implementation of Reversible LFSR with Primitive Polynomial using Verilog HDL
129	104	Muskaan Pirani Paurav Thakkar Pranay Jivrani Mohammed Husain Bohara Dweepna Garg	A Comparative Analysis of ARIMA, GRU, LSTM and BiLSTM on Financial Time Series Forecasting
135	108	Prathik B. Jain Sandeep Bhat Gourav Pujari Vismitha Hiremath Deepti. C	Eye Typing -vision based human activity control
140	110	Ravi Hosamani Yerriswamy. T	Deep Learning-Based CSI Estimation Using Synthetic Dataset
145	111	Sandeep Varma. N Pradyumna Rahul. K Vaishnavi Sinha	Data augmented approach to optimizing Asynchronous Actor-Critic methods
150	115	Gillfred Allen M. Madrigal Timothy John F. Capulong John Arvin B. Lising Bryce Hart C. Loyola Adonis L. Ramirez Julia E. Simpliciano Lean Karlo S. Tolentino Gilbert B. Hollman Edgar A. Galido Edmon O. Fernandez August C. Thio-ac Benedicto N. Fortaleza	Implementation of ANFIS in an Automatic Generation Controller of the Pico-Hydro Power System for Off-grid Rural Areas
157	120	Leena Rani. A Vidya. S Asha Gowda Karegowda Vinutha H.R. Devika. G Shreetha Bhat	Identification of Medicinal Leaves using State of Art Deep Learning Techniques
162	123	Anu. S Roopa Manjunatha	Design and Modelling of Ultra-capacitor Based Hybrid Energy Storage System in Electric Two-Wheeler for Indian Driving Cycle

169	127	Ankur Mondal Athishay Kesan Andrea Rodrigues Jossy George	An Efficient Multi-Modal Classification Approach for Disaster-related Tweets
173	128	Kripakrishna R.K. Clara Kanmani. A	An Awareness about Phishing Attack and Fake News Using Machine Learning Technique
178	137	August C. Thio-ac Rachelle Anne C. Dela Cruz Rich Ryan M. Papalid Earl Jean S. Soriano Diane Maria Lou L. Tabarina Audry Marie Tingson Timothy M. Amado Gilfred Allen M. Madrigal Romeo Jr. L. Jorda Cherry G. Pascion Ryan C. Reyes Lean Karlo S. Tolentino	Employment Recommendation System Using Predictive Analysis and Secured Through Blockchain Technology
186	144	Satnam Singh Saini Priyanka Rawat	Deep Residual Network for Image Recognition
190	151	Kanchana. D Akshaya. A Ashvitha. A Karthiga S.D. Gayathri. P.	Preterm Labor Monitoring using IoT based Wearable Tocometer System
196	152	S.J. Savita Andhe Pallavi	Modeling of GPR Using gprMax Simulation
200	154	Kunal Sharma Rahul Chawla Unmesh Shukla Nitisha Aggarwal Anil Singh Bafila Sanjeev Singh Amit Pundir Geetika Jain Saxena	Predictive analysis based on feature relevance estimation for survival rate post heart failure using ensemble learners
207	156	Shraddha Joshi Arpita Ghosh Samiksha Shukla	Machine Learning Model for Depression Prediction during COVID-19 Pandemic
212	158	Seenia Francis Harsh Bagaria Jayaraj P.B. Pournami P.N. Niyas Puzhakkal	Auto Contouring of OAR in Pelvic CT Images Using an Encoder-Decoder Based Deep Residual Network
218	159	Riya Sharma Anju Bala Ashima Singh	Virtual Machine Migration for Green Cloud Computing
225	162	Sharon Sunny Gautham Sreekumar Jayaraj P.B.	SFLADock: A Memetic Protein-Protein Docking Algorithm
231	163	Momenul Hasan Touhidul Islam Talukder Fatema Tauze Zohora Saima MD. Nazim Uddin Joy Adrik Das	Smart Home Automation System Powered by Renewable Energy

238	164	Kalpana Chauhan Rajeev Kumar Chauhan Anju Saini	Comparison and Performance Analysis of Various Despeckling Methods on Echocardiographic Images
244	169	Mainak Chandra Andrea Rodrigues Jossy George	An Enhanced Deep Learning Model for Duplicate Question Detection on Quora Question pairs using Siamese LSTM
249	172	Renuvenkataswamy Sunkara Arvind Kumar Singh Govind R. Kadambi Prameela Kumari. N	Hyperspectral Image Classification using Digital Signature Comparison based Classifier
255	174	Shiva Agarwal Naresh Babu Muppalaneni	Stock market price and cryptocurrency price prediction
261	176	Ashish Bhatt Vineeta Saxena Nigam	Detection of Brain Tumour using a Feature optimization using Particle Swarm Optimization and Ensemble Classifier
266	192	Smriti. K. Parvathy G.S. Arya J. Nair Sandhya. S Pranshu saxena	Alzheimer's Disease Detectoin Using Multiple Convolutional Neural Networks
273	197	Sanjay Kumar Singh Gyanendra Tiwary Yush Mittal Ichika Jain	An Artificial Intelligence Technique for Covid-19 Detection with eXplainability using Lungs X-Ray Images
279	198	Kunal G. Srinivas Nagendra Nath Giri	K-Means Clustering driven Deep Spatiotemporal Learning Model for PM2.5 Prediction
287	201	Sushant Jadhav Gujanatti Rudrappa Arun Tigadi Basavaraj Chougula Nataraj Vijapur	GoogLeNet Application towards Gesture Recognition for ASL Character Identification
292	202	Snigdha Luthra Rakesh Kumar Meenu Gupta	Future Link Prediction for Social Media Users with Community Detection Algorithm
297	208	Praveen. N Shashidhar Kini	Phoneme based Kannada Speech Corpus for Automatic Speech Recognition System
302	211	Anvesh Chitturi Rahul Jashvantbhai Pandya Sridhar Iyer	AI-Enabled Covid-19 Prediction Methods and Anti-Covid Strategies
307	212	Ashutosh Anand Arvind Kumar Neela Chattoraj	Design of multi-slotted trapezoidal cantilever for low frequency devices
314	230	Ajay. V Akshatha. S Metun Prithvi. R	Supervised Machine Learning System Based Segmentation And Classification of Strokes Using Deep Learning Techniques
319	237	G. Srinivasa Sudharsan J. Vishnupriyan K. Vijay Anand K. Chidambarathanu	Smart monitoring system for small-scale wind turbine model

323	242	Nurman Ahmed Dauratabad Rajatha. M Maheshwari B.M. Hemanth H.A. Shobha Shankar	Smart Grid And The Importance of Electric Vehicles
327	249	Geetha. K	Implementation of Five Level Multilevel Inverter with Reduced Leakage Current
333	255	Sanjeeta Dhegaya Lavi Tanwar	Dielectric Insertion effect on Frequency Selective Surfaces for Band Pass Filter design
338	256	Prasant Kumar Samal Veena Sharma Rajesh Kumar	Condition Assessment of Transformer Health by using Intelligent Technique
344	258	Adarsh Dubey R. K. Jarial	Improvement of Harmonic Mitigation Capability of 12-Pulse Diode Bridge Rectifier using Interphase Transformer and High Frequency Solid State Transformer for EV Fast Charging Applications
351	261	Sharanabasappa Suvarna Nandyal	Driver Drowsiness Estimation Based on Hybrid Feature Extraction and Light weighted Dense Convolutional Network
357	263	Rapti Chaudhuri Suman Deb Shubham	Bio inspired approaches for indoor path navigation and spatial map formation by analysing depth data
363	266	Voruganti Ajay Krishna D. Nagajyothi Atthapuram Akshay Reddy Duduka Aravind	Image Data Classification Using Mobile Net for Big Data Analytics
369	267	Shubham Suman Deb Rapti Chaudhuri	Improved resolution of dehazed images with Dark Channel Prior and Super Resolution GAN
375	268	Ashlin Deepa R.N. Sai Sravya Thumati Sandhya Reyya	An Efficient Deep Learning Based Chatbot for GRIET
380	270	P.K. Dhal T. Prabhu	Design and Development of Single Switched Capacitor based Five Level Inverter for AC Motor Drive
385	277	Lokesh. C Chethan T.K. Nithish Pinto Vedanth Pandit B.R. Shobha Shankar	Advanced CMOS VLSI technology for Low Power Analog System Design with High Gain
391	283	Kamaljeet Kaur Chander Prabha	A Framework To Secure IoT Networks
397	284	H. Srikanth Kamath	5G Orchestration and Analysis: Dynamic Approach, Control and Challenges Faced
405	286	Ravi Teja Rapolu Madhavaram Krishna Gopal G.A.E. Satish Kumar	A Secure method for Image Signaturing using SHA-256 , RSA and Advanced Encryption Standard (AES)

412	287	Duduka Aravind D. Nagajyothi Neha Jabeen Voruganti Ajay Krishna	Detection of Pathological Artifacts Caused by COVID-19 Using U-Net
417	289	Preetham Alwala Sudheer Kumar Goud S. Srinivas	Automatic Controlling of Street Lights and Accident Detection Using LabVIEW
423	290	K. Vinay T. Bhanu Teja G.A.E. Sathish Kumar	Edge Detection Based Motion Tracking
427	291	Chepuri Prasanna V. Vishal Kumar G.A.E. Satish Kumar	Traffic Sign Recognition Using CNN
432	309	Ritu Aggarwal Suneet Kumar	An Enhanced Fusion Approach for Meticulous Presaging of HD Detection Using Deep Learning
436	311	Harshitha C.J. Bharathi R.K.	An Advanced Ensemble Directionality Pattern (EDP) based Block Ensemble Neural Network (BENN) Classification Model for Face Recognition System
444	313	Bhagyashree S.R. Muralikrishna	Clinical Diagnosis of Alzheimer's disease employing Support Vector Machine
449	316	Vinoth Kumar. K Amarjeet Singh Darshini Machamma M.S. Mohammed Touqeer Ali Appaji	IoT based parameters calculation of electric bicycle using OpenModelica simulation tool with data analytics technology
453	321	Gayathri G.N. Channakrishnaraju	Data Access Control in Cloud Computing
458	323	Ravichandran Mariappan L. Manjunath G. Ramachandran M. Porkodi T. Sheela	Super Artificial Intelligence Medical Care Systems with IoT Wireless Sensor
462	326	Kamutam Sridharraj S. Venkatesh Sudati Akash Rao N. Hathiram	Brain tumor recognition and categorization in MRI images utilizing optimal deep belief network
467	330	Jaynab Sultana Binoy Saha Shuvo Khan T.M. Sanjida Mehedi Hasan Mohammad Monirujjaman Khan	Identification and Classification of Melanoma Using Deep Learning Algorithm
473	331	Fahim Shahriyar Monirul Islam Arindom Chakraborty Mohammed Moin Uddin Abdul Hasib Siddique Mehedi Hasan	Feasibility and Cost Analysis of Grid Connected Hybrid Solar Home System: A Case Study of Chattogram District in Bangladesh

479	333	B.S. Gowrishankar Nagappa U. Bhajantri	Deep Learning Long Short-Term Memory based Automatic Music Transcription System for Carnatic Music
485	334	T. Bharath Kumar Deepak Prashar	Analysis of different techniques used to reduce the food waste inside the refrigerator
490	341	Vikas Reddy. S	IoT Security Enhancement Using Blockchain
495	347	Shreetha Bhat Asha Gowda Karegowda Leena Rani. A Vidya. S Devika. G	Classification of Rail Track Crack using CNN with Pre-Trained VGG16 Model
501	349	Shashikala H.K. Madhumala R.B. Chanchani keerthana Priyanka. S Rangareddygar Meghana Yarragunta Thanmai	Smart Reminder SOS & Emergency Detection Device
505	354	Steffi Das Rithik Richard Magalaxmi. N Sri Charan Chaya Ravindra	Wearable Smart Heart Monitor using IOT
511	356	Dharmendra Singh Yadav Manisha	Electric Propulsion Motors: A Comparative Review for Electric and Hybrid Electric Vehicles
517	357	Shrihari M.R. Manjunath T.N. Archana R.A. Ravindra S. Hegadi	Enhanced Efficient and Security in Big Data Using TDES And Machine Learning Technique
523	360	G. Anusha G. Praveen D. Mounika U. Sai krishna R. Cristin	Detection of Fake news using Recurrent Neural Network
528	366	Vasudha Rani Vaddadi Smritilekha Das Anupama. V	Exploration of Covid 19 Tweets Data for the Prediction of Negative Ontologies through Deep Learning Techniques
534	367	Nikita Singh Nithish Nandikonda Gopikrishna. M	Wheelchair Operation Using Image Analysis
538	370	Seema Jogad Nilam Gadda	Design and Simulation of 32 nm CNFET Digitally Programmable Current Conveyor
542	374	Ashwini. K Rahul Reddy Pasham Sameer MD	Coloring an Image Using Generative Adversarial Networks(GAN)

547	379	Bejjam.Komuraiah M.S. Anuradha	An Energy Conservation Clustering Scheme With Compressive Sensing Scheme For WSN
553	380	Aanchal Vij Kuldedeep Singh Kaswan Chinar Bawa	Comparative analysis of Workflow Management System using Agents and Multi- agents in Colored Petri Nets
559	381	B.V.V.S.R.K.K. Pavan P. Esther Rani	An Analysis of Electro Encephalo Gram Recording Systems and Signal Processing Techniques
565	386	Sajidha Thabassum. B Veena K.N.	Evolution Towards Conducting Reliability Availability Maintainability (RAM) Analysis For Active Phased Array Radars
570	392	Sasmita Lenka Pampa Sinha Chitralkha Jena	Study on Integration of Electric Vehicle with Wind Energy
575	394	Ajay. N Mohan H.S. Shwetha B.V. Shrihari M. R. Manjunath P.V. Anitha T.N.	Access Control Framework in the Cloud based on Multi-Blockchain with Light Privacy Protection
580	395	Nabeel Ali Dolley Srivastava Aditya Tiwari Akash Pandey Abhay Kumar Pandey Akshat Sahu	Predicting Life Expectancy of Hepatitis B Patients using Machine Learning
584	397	Varun Krishna Nallamothe Saahith Medidi Swetha Priyanka Jannu	IoT based Manhole Detection and Monitoring System
590	399	Mehrunnisa J. Swetha Priyanka B. Sharath Chandra	Automatic Door Un-locking And Security System Using Raspberry Pi
595	401	Geetika Sharma Raman Chadha	Skin Cancer and Oral Cancer Detection using Deep Learning Technique
600	403	Nirbhay Tiwari O .P. Rahi	Application Oriented SEPIC Converter with Improved Voltage Gain for Electric Vehicle Battery Charger
605	411	Shashank D. Biradar Sanjay L. Nalbalwar Shankar B. Deosarkar	Biometric security using EEG signal processing –Acquisition, Representation and Classification Approaches
611	412	Shubham Munratiwar Y. Saikrishna V. Jyothi	Design of High Speed 8-Bit Magnitude Comparator For Security Application
617	420	Chris S. Peter Manu Elappila Swathi A.C.	CNN based Model for Severity Analysis of Diabetic Retinopathy to aid Medical Treatment with Ayurvedic Perspective

623	422	Sanjay Kumar Singh Amit Sinha Satyendra Yadav	Performance Analysis of Machine Learning Algorithms for Erythematous Squamous Diseases Classification
629	425	Satish Kumar Satti Suganya Devi. K Sekar. K Prasenjit Dhar Srinivasan. P	ICTS: Indian Cautionary Traffic Sign Classification Using Deep Learning
636	428	Pradipta Ghosh Biswajit Chakraborty Sovan Dalai Saibal Chatterjee	Simulation and Real-Time Generation of Non-Standard Lightning Impulse Voltage Waveforms
641	430	Pooja Meena Piyush Dua Nilayan Maji Ankita Arora	Control of DSTATCOM in Distribution Systems by Artificial Intelligence based Controller
647	431	Nikhil Subramanian Shanju Shri M.N. Rohitram. V Sriharipriya K.C.	IoT based Voice Controlled Home Assistance Hexapod
653	435	Sanjay Kumar Sena Jitendra Kumar	An Approach to Detect Islanding in Photovoltaic Based Distributed Generation Systems using Sequence Components of Voltage
658	436	Adarsh Chinthala Sandeep Vuddanti	Performance Analysis of Induction Motor and PMSM for Electrical Vehicle Traction Application
664	437	Prithviraj. V Sriharipriya K.C.	Smart Pet Feeder System Based on Google Assistant
670	440	Antony Judice Kanagaraj Venusamy Joel Livin	Multilayer LEO Satellite Constellation coverage analysis and its current research directions
675	443	Rakesh Kumar Mini Anil Sampurna Panda Babita Panda Lipika Nanda Chitralkha Jena	A Psychological study on Accepting and Rejecting Covid-19 Vaccine by college students in India
679	445	Harish. H A. Sreenivasa Murthy	Identification of Lane Line Using PSO Segmentation
685	447	Ashish K. Adiga Nethravathi K. A. Bhishm Tripathi	Design of Archimedean Spiral Antenna for Wireless Underground Sensor Network

690	449	Sivasankari S.S. J. Surendiran N. Yuvaraj M. Ramkumar C.N. Ravi R.G. Vidhya	Classification of Diabetes using Multilayer Perceptron
695	450	Umesh V. Nikam V.M. Deshmukh	Performance Evaluation of Machine Learning Classifiers in Malware Detection
700	455	Basaralu Nagasiddalingaiah Harish Usha Surendra	Comparison of DQ Method with $I \cos\phi$ Controller in solar power system Connected to grid with EV load
706	457	A. Sai Deepthi G.A.E. Satish Kumar	Smart Pill Notification Box using Arduino
711	463	K. Ashwini Gade Rithish Reddy Kallem Bhargava Srinivas	De-raining using Dual Graph Convolutional Network
716	465	M.Sushmitha V. Jyothi A. Vishwak Sain	Implementation of Greenhouse Control and Monitoring System Using ESP32
720	466	Lakshaga Jyothi. M Shanmugasundaram R.S.	Role of nano-sensors towards CO2 Concentrations in an Indoor Classroom Environment to improve Occupational Health
727	469	Senthil Velan. S Rubini. P Surbhi Choudhary	A Proposed Quantitative Model for the Computation and Analysis of Waning Immunity for COVID-19 Virus among Human Population
732	486	VelMurugeshKumar.N R. Nedunchelian D. Vinod	Service Orient Multi Factor Trust Analysis Model Based Access Restriction with Blockchain Security for Efficient Collaborative System in Cloud
739	487	Finney Daniel Shadrach Santhosh. M Sajja Vignesh Sneha. S Sivakumar. T	Smart Virtual Trial Room For Apparel Industry
744	488	V. Sulochana B. Shanthini K. Harinath	Fast Intraprediction Algorithm for HEVC Based on Machine Learning Classification Technique
752	496	Ajeey Kalagi Dharini Raghavan C.G. Raghavendra Supreet Bajannavar Bhavani V.S.	Sericulture Technology Towards Sustainable Management

757	497	K.K. Rohan Om Roria C.G. Raghavendra Savan S. Awanti Shruthishree. C Srijoni Chakravorty	Determining water quality for productivity in aquaculture using information and communication technologies
762	511	Mien May Chong Chandra Reka Ramachandiran Tang Ye Huang	iMight: A Social Group E-wallet With The QR Code and Fingerprint Recognition Technologies
767	512	Ho Jun Jie Hairul Aysa Abdul Halim Sithiq Nor Azlina Abd Rahman	Convergence of APCARD and RFID for Attendance System
772	513	Vinscent Steve Arrul Preethi Subramanian Raheem Mafas	Predicting the Football Players' Market Value Using Neural Network Model: A Data-Driven Approach
779	515	Nor Azlina Abd Rahman Ahmed Bahaj Hairul Aysa Abdul Halim Sithiq Intan Farhana Kamsin Nur Khairunnisha Zainal	Secure Parking and Reservation System Integrated with Car Plate Recognition and QR Code
786	516	Chong Chen How Intan Farhana Kamsin Nur Khairunnisha Zainal Hairul Aysa Abdul Halim Sithiq Nor Azlina Abd Rahman	Smart Parking Reservation Mobile Application
791	517	Siew Theng Lai Raheem Mafas	Sentiment Analysis in Healthcare: Motives, Challenges & Opportunities pertaining to Machine Learning
795	518	Yoganandar Chandrasekran Chandra Reka Ramachandiran Kuruvikulam Chandrasekaran Arun	Adoption of Future Banking Using Biometric Technology in Automated Teller Machine (ATM)
799	519	Nor Amanina binti Zamri Nik Sakinah binti Nik Ab Aziz Nurul Husna binti Mohd Saad	Road Assist Mobile Application System (Road Assist)
806	520	Christie Natasha Archie Debashish Das Fatemeh Meskaran Leo Gertrude David	Machine Learning Implementation and Challenges: A Study of Lifestyle Behaviors Pattern and Hba1c Status
810	521	Yuwadi Thein Naing Mafas Raheem Nowshath K Batcha	Feature Selection for Customer Churn Prediction: A Review on the Methods & Techniques applied in the Telecom Industry
815	522	Lam Ying Xian Rajasvaran Logeswaran	Human Trafficking Through Data Sharing and Analytics
819	523	Khudhur Al-Khazraji Sathish Kumar Selva Perumal Chandrasekharan Nataraj	Steel Defect Detection using High Frequency Cameras

823	524	Teh Hock Keong Margaret Subramaniam Jerry Chong Chean Fuh	A Model to Enhance SMEs' Strategic Outsourcing for the Supply Chain Industry in Malaysia
827	525	Yeo Khang Hsien Zailan Arabee Abdul Salam Vinothini Kasinathan	Cyber Bullying Detection using Natural Language Processing (NLP) and Text Analytics
831	526	Vinesh Thiruchelvam Wong Bee Suan	Recognizing Esports as a Sport from an Academic Perspective
835	527	Kek Shye Lianq Vinesha Selvarajah	Footprinting and Reconnaissance: Impact and Risks
840	528	Mohamed Hammadh Hassan Zailan Arabee Bin Abdul Salam Kadhar Batcha Nowshath	Dhivehi OCR Engine
846	529	Yew Liong Lim Booma Poolan Marikannan Leo Gertrude David	The Impact of COVID-19 Pandemic and Consumer Purchase Behaviour on the Automotive Industry
851	531	A. Abdul Hayum J. Jaya R. Sivakumar B. Paulchamy	Critical Review on Breast Cancer Classification
857	535	Mervyn Sit Kah Pheng Leo Gertrude David	Artificial Intelligence in Back-End Semiconductor Manufacturing: A Case Study
861	542	Altynai Aibekova Vinesha Selvarajah	Offensive Security: Study on Penetration Testing Attacks, Methods, and their Types
870	543	Adriel Li Chi Tak Rajasvaran Logeswaran	Foreign Currency Exchange Market Prediction using Machine Learning Techniques
875	544	Phang Chin Mun Intan Farahana Binti Kamsin	Mobile Application in Teaching and Learning Process
880	545	Bryan Leong Wai Yik Tham Hoong Ching Zety Marlia Binti Zainal Abidin	Autonomous Library System
888	546	C.Kumaresan P.Thangaraju	Ranking the Customer reviews from Mobile Commerce Big data: K means Clustering
894	547	N. Siva Balan B.S. Murugan	An High Speed Area Efficient Implementation of Twisted Edwards Curve Point Multiplication over Prime Field using FPGA architecture