

2023 International Conference on Intelligent Technologies for Sustainable Electric and Communications Systems (iTech SECOM 2023)

**Coimbatore, India
18-19 December 2023**



**IEEE Catalog Number: CFP23UA9-POD
ISBN: 979-8-3503-7119-2**

**Copyright © 2023 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:	CFP23UA9-POD
ISBN (Print-On-Demand):	979-8-3503-7119-2
ISBN (Online):	979-8-3503-7118-5

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

TABLE OF CONTENTS			
S. No.	Paper ID	Title & Author Name	Page No.
1	iTechSECOM_16	Smart and Hygienic Lavatory <i>Pranavi D, Sabarimuthu M, Gomathy S, Senthilnathan N, Arun Kumar M, Sasidharan P</i>	1
2	iTechSECOM_21	A Novel Multilevel Inverter with Reduced Switch Configuration for Range Extension in Electric Vehicle <i>Siva Agora Sakhivel Murugan K, Adhavan B, Shanmugasundaram R, Pradeepkumar M, Palaniyappan T K, Maheswaran M</i>	5
3	iTechSECOM_97	Enhancing Smart Logistics and Fleet Management Using Internet of Things <i>Abinaya S, Aswini G, Sugitha N</i>	11
4	iTechSECOM_133	Catastrophe Alert System for Risk Mitigation and an Auxiliary Vital Monitoring Sensor <i>Sharath Chandan, Praveen D, Sabeenian R S, Sudha V</i>	17
5	iTechSECOM_135	Enhancing Safety for Sewer and Septic Tank Cleaning Workers - A Wearable Monitoring Solution <i>Tamilselvan V, Anand Kumar V P, Sanjay V, Jeya Sree R K, Ajithkumar S</i>	22
6	iTechSECOM_211	Fabrication of Multiband Microstrip Patch Antenna for 5G Networks <i>Vignesh S, Vignesh N, Pugalenti S, Balamurugan P</i>	28
7	iTechSECOM_243	A Survey on Smart Health Care System <i>Sharmila S, Jayasree D, Sathyabama G, Lingeswari M, Anuradha J</i>	33
8	iTechSECOM_244	AI Based Smart Intensive Care Unit – A Survey <i>Sharmila S, Giriprasaath D, Harihareshwer R</i>	39
9	iTechSECOM_270	IoT-Based EEG Measurement Analysis using LoRa Technology <i>Gifty M, Gowtham P, Antony Rubas P, Kurinjinathan S, Umapathi K</i>	45
10	iTechSECOM_273	Implementation of Wearable Technology for Real- Time Monitoring and Assessment of Neonatal Jaundice in Newborns <i>Viswanathan M, Umapathi K, Viswanathan M, Abishek S, Gowtham P</i>	49
11	iTechSECOM_278	An Innovative Non-Invasive Approach to Personalized Nutrition and Metabolism Monitoring Using Wearable Sensors <i>Edin D, Umapathi K, Aakash S, Gokul Raj A, Madhavan M, Gowtham P</i>	54
12	iTechSECOM_318	Ethical Dimensions and Future Prospects of Artificial Intelligence in Decision Making Systems for Oncology: A Comprehensive Analysis and Reference Scheme <i>Arivoli Sundaramurthy, Chitra Vaithiyalingam</i>	59
13	iTechSECOM_339	Fouling Severity Classification in Industrial Heat Exchanger using Probabilistic Neural Network <i>Resma Madhu P K, Jayalalitha Subbaiah, Athjish R S</i>	64
14	iTechSECOM_340	Comparative Analysis of Self-Supervised and Supervised Deep Learning Models for Ocular Disease Recognition <i>Vijayalakshmi S, Kavitha K R, Mugilan R S, Naveen Sivaa S</i>	70

**2023 International Conference on Intelligent Technologies for Sustainable Electric and Communications Systems
(iTech SECOM)**

15	iTechSECOM_341	Efficient RFID-Integrated Online Appointment Scheduling System <i>Kavitha K R, Vijayalakshmi S, MuraliBabu B, Anusha A, Dharshini K</i>	76
16	iTechSECOM_353	IoT Based Smart Energy Monitoring in Multi- Layer Car Parking <i>Pavithra C V, Divya R, Suresh B, Deepak K, Sabaresh B</i>	82
17	iTechSECOM_4	Improving Power Generation Using Pulse Motor <i>Aishwarya S, Shanmugapriya P, Janani J, Mohamed Samsudeen A, Ebinazer A, Prasanth D</i>	87
18	iTechSECOM_39	IoT-based Web-Integrated OBD-II Telematics for Real-Time Vehicle Health Monitoring System <i>Kezia M, Anusuya K V</i>	91
19	iTechSECOM_58	Stability And Power Flow Control for Practical System with Wind Farm Using STATCOM <i>Bavithra K, Ansha Prathiba M, Subash Kumar C S, Pavithra C V, Divya R</i>	97
20	iTechSECOM_79	Implementation of Logistic Map Approaches in a Differential Evolutionary Algorithm for an Electric Vehicles <i>Girithar R R, Saravanan G, Pazhanimuthu C, Mohamed Ibrahim A, Vignesh C J</i>	102
21	iTechSECOM_82	Design of AC-DC Modular Multilevel Converter for Stabilizing Power Grid using Renewable Energy Sources <i>Velappagari Sekhar, Sakthi Gokul Rajan C, Suresh K P, Senthilkumar M</i>	108
22	iTechSECOM_87	Optimizing Supply Chain Efficiency: Integrating Deep Learning and Blockchain Technologies <i>Shanmugapriya K R, Swetha S, Janani N, Bavithra K, Padmavathi K</i>	113
23	ITechSECOM_111	Energy Generation using Artificial Speed Bump Based Compressed Air Storage Mechanism for Road Side Automatic Street Light Applications <i>Ganesh R, Suresh K P, Nalini N, Senthilkumar M</i>	119
24	iTechSECOM_126	Eco Notify – Smart and Better Energy Management <i>Jakriya Metha M, Afreeth Ghani A R, Dhanasu M</i>	124
25	iTechSECOM_147	Enhancement of Power Quality in PM-BLDC Motor Drive using Bridgeless Landsman PFC Converter for Low Power Home Appliances <i>Navaneethakrishnan S M, Arunkumar S, Mugil Arasu M, Ruthra Moorthy P</i>	129
26	iTechSECOM_196	Investigation of Electric Field Patterns for Different Electrode Configurations with the Presence of Dielectric Barrier <i>Selva Kathiresan S, Hari Krishna S, Abishek Naykar, Sujay Chandran R, Kumar K, Vigneshwaran B</i>	134
27	iTechSECOM_209	Design and Verification of Modified Single Controllable Switch Converter Based 3Ø SRM Drive System <i>Senthil Murugan L, Sathiyathan M, Subash Kumar C S</i>	140
28	iTechSECOM_259	Intelligent Fuzzy controlled Non-Isolated DC-DC Converter for Solar PV based EV Charging Station <i>Abinivesh S, Mohamed Iqbal M, Ravikrishna S, Subhiksha S</i>	146

**2023 International Conference on Intelligent Technologies for Sustainable Electric and Communications Systems
(iTech SECOM)**

29	iTechSECOM_261	Evaluation study on Cardiac Abnormalities using Ensemble Classifier and Convolutional Neural Network <i>Sowmiya M, BanuRekha B, Miruthula P V</i>	152
30	iTechSECOM_269	Fault Detection and Fault Classification in Transmission Lines using Machine Learning <i>Sree Sowndarya Barani K, Keerthana S, Hariharasudhan S, Mohana Sundaram N</i>	158
31	iTechSECOM_287	Enhancing the Accuracy of Block chain Based Agriculture Product Supply Chain Management System Using Random Forest Algorithm and Decision Tree Algorithm <i>Harshith royal G, Gomathi S, Sungeetha D</i>	163
32	iTechSECOM_332	Automated Classification of Chest Image Using Deep Learning <i>Archana D, Naveen R S, Mithilesh Ravi Shankaran, Janarthanan K, Ragavendran R M</i>	167
33	iTechSECOM_333	Modeling and Sizing of Supercapacitor Pack for Electric Vehicle Applications <i>Hamsavarthini Y, Kanthalakshmi S</i>	173
34	iTechSECOM_338	Smart Bus Ticketing System <i>Divya R, Pavithra C V, Kamalabharathy A, Madhumeetha K, Sowbarnikaa K</i>	179
35	iTechSECOM_348	Optimized Power Distribution using Vehicle to Grid (V2G), Grid to Vehicle (G2V) and Vehicle to Vehicle (V2V) Connectivity for Micro-Grid Application <i>Jeyashree A, AshokKumar L, Aakarshna K, Dharsana J, Aditya Perumal E, Logesh Krishna R</i>	184
36	iTechSECOM_100	Control and Optimization Circuit of Solar Electric Vehicles <i>Amrudha Harshan P R, Vigneshwaran S, Ajithkumar R, Karunamoorthy B</i>	190
37	iTechSECOM_199	Improved Power Quality Cuk Converter for Electric Vehicle Battery Charging <i>Sakthi Suriya Raj J S, Sivaraman P</i>	195
38	iTechSECOM_123	IoT-Based Leaf Disease Detection and Alerting System using K-Means Algorithm <i>Saranya. R, Martina Jose Mary. M, ShyamalaDevi. P, Suvetha. M S</i>	201
39	iTechSECOM_275	ECG Acquisition and HRV Analysis of Myocardial Infarction <i>Rajagopal R, Jayakumar K, Bavankrishnan V, Dharunkumar K</i>	207
40	iTechSECOM-49	Integrated PV Based Boost-Cuk Converter for EV Charging Station Applications <i>Sathish R V, Sekar R, TharwinKumar R, Jayakumar T, Janaki N, Karthikeyan D</i>	213
41	iTechSECOM-127	Comparative Performance Analysis of Logistic Regression and Artificial Neural Network in Autism Spectrum Disorder Detection <i>Sankari M S, Kannammal A</i>	219

**2023 International Conference on Intelligent Technologies for Sustainable Electric and Communications Systems
(iTech SECOM)**

42	iTechSECOM-171	FPGA Implementation of Heart Rate Variability using rPPG and Peak Detection <i>Malar E, Devashri V, NandhaKumar G</i>	225
43	iTechSECOM-170	A 5 Class Classification of ECG Using SRCNN and CNN Using MIT-BIH Arrhythmia Dataset <i>Malar E, Subhiksha S, NandhaKumar G</i>	231
44	iTechSECOM-236	Pre-Cardiac arrhythmia detection using Machine Learning <i>Nagajothi. S, Jayasheela M, Ishwarya T, Sabitha. R, Keerthana G</i>	237
45	iTechSECOM_237	Design and development of a Portable an Economical Cardiopulmonary Resuscitation Device: Enhancing Emergency Medical Care Accessibility <i>Gobinath V K, Rajasekar R, Suganeswaran K, Nithyavathy N, Ghunal S, Bharat S, MerunSurya G S</i>	242
46	ITechSECOM_317	Enhancing medical monitoring Devices Using Wearable Sensors and Raspberry Pi: An Interfacing of IoT <i>Jayashree G, Uvershree R, Padma priya K</i>	247
47	ITechSECOM-295	Myofascial Cramp Massager with Thermotherapy and Cryotherapy <i>Sivamani C, Dharshini S, Harini Monisha K, Nagalakshmi R</i>	253
48	iTechSECOM-118	Design and Development of Two-wheel Electric Vehicle <i>Balakirupakaran S, Dharanish M, Kiran Srinivas S, Karunaamoorthy B</i>	259
49	iTechSECOM_129	Machine Learning-Based Early Chronic Kidney Disease Detection and Risk Analysis <i>Sakthi C, Yogeshwaran G, Sudha V, Raja R</i>	265
50	iTechSECOM_192	A Hybrid Renewable Energy Source Fed Battery Storage System for Vehicle to Grid Application using AI Techniques <i>Dinesh Kumar V, Jeeva M, Kathiravan K S, Barathiraja B, SathishKumar S</i>	270
51	iTechSECOM_290	Advancing Early Detection of Vitiligo using a Non- Invasive Detection System <i>Vishnupriyaa N, Sangeetha V, Ardra C S, Mohamed Thasreef J, Rajavarshini R</i>	276
52	iTechSECOM-203	Energy Management System for Micro Grid Using Deep Q-Network Reinforcement Learning <i>Aarthi E, Umamaheswari S, Parventhan K</i>	280
53	iTechSECOM_206	Closed Loop Anesthesia <i>Vetrivelan V, Ajith M, Prashanth R</i>	286
54	iTechSECOM-245	A Critical Analysis on Early Stage of Lungs and Colon Cancer Detection using CNN Algorithm <i>Ramesh. K, Bhavadharani C, Narmatha VS, Andrews Samraj, Nandhakumar R</i>	291
55	iTechSECOM_268	Development of Non-Invasive Blood Glucose Monitoring <i>Manikandan S, Ravindrakumar Selvaraj, Gnanalakshmi G, Boobalan S, Hariharan J A</i>	297

**2023 International Conference on Intelligent Technologies for Sustainable Electric and Communications Systems
(iTech SECOM)**

56	iTechSECOM_90	Improved SEPIC Converter for PFC Correction in Industrial AC and DC Drive Application <i>Vasudeva Naidu, Thomas Thangam, Brahman Yadav V, Nammalvar P, Gopika N P, Janaki N</i>	302
57	iTechSECOM_128	Qualitative Analysis of Dusting and Soiling in Solar PV System using Learning Algorithms <i>Bavithra K, Latha R, Charles Raja S, Shanmuga Priya K R</i>	308
58	iTechSECOM_130	Online Legal Literacy Platform <i>Kala I, Hariharan K, Kavisri S, Kaviyarasu D</i>	314
59	iTechSECOM_132	An Optimized 4*4 Braun Multiplier for Parallel Processing Architectures with a 3-bit KSA Adder <i>Sakthimohan M, Elizabeth Rani G, Monisha P, Bhuvaneswari T, Anand R, Nandhini S T</i>	319
60	iTechSECOM_141	Modeling and Prediction of Environmental Parameters for Implementation of Smart Agriculture Using LoRa <i>Hariprasath G, Monishkumar A, Senthil Vadivu M</i>	325
61	iTechSECOM_162	Malfaiter Detector <i>Selyakumar D, Gaurav V R, Dousik M, Akash B, Gautam V R</i>	330
62	iTechSECOM_166	Circulomania: Rethinking Waste through a Circular Economy Framework <i>Prathibha A Nair, Ajita Fairen J, Aiswarya P</i>	334
63	iTechSECOM_172	Design of Multi-Level Inverter for Power Electronics Applications <i>Malar E, Ahamed Nadeem M, Chandrika R, Dewanath S K, Divyasree T</i>	340
64	iTechSECOM_227	Design of Microstrip Patch Antenna Using Artificial Magnetic Conductor For 5G Base Station <i>Venkatesh D, Thiyagarajan K, Amirtha T, Shanmugapriya M</i>	346
65	iTechSECOM_253	Automated Brain Tumor Classification and Detection Using Modified Convolutional Neural Networks for Early Diagnosis <i>Adithya D, Rahul, R, Sudha V, Vikram N, Raja R</i>	351
66	iTechSECOM_255	Under Water Image Contrast Enhancement <i>Ramya C, Priya C, Gokul Kathirvel, Priyadharshini M</i>	356
67	iTechSECOM_256	Haze Removal of Pedestrian Monitoring Images Using Dark Channel Prior Technique <i>Ramya C, Priya C, Jeevan G K, keerthana B</i>	361
68	iTechSECOM_260	An Efficient Time-Tick based BIST Scheme to Calculate Static Errors of ADC <i>Paldurai K, Hariharan K</i>	367
69	iTechSECOM_265	FPGA Driven Intelligent Vending Solution using Xilinx Vivado <i>Logesh R, Preethi SR, Krishna Raja S, Kavya S</i>	373

**2023 International Conference on Intelligent Technologies for Sustainable Electric and Communications Systems
(iTech SECOM)**

70	iTechSECOM_286	Voltage Control in Novel Seven Level Cascaded H- Bridge Multilevel Inverter Using Equal Phase Triggering Compared with Sinusoidal Pulse Width Modulation by Varying Duty Cycle <i>Nagaraju A, Jaanaa Rubavathy S, Gomathi S</i>	378
71	iTechSECOM_289	Development of Mobile Application for theAid of Hearing and Speech-Impaired People <i>Deepa M, Sivaani Srinivasan Gurusami, Aswathi R, Harita M, Prakalya E, Sowmya S</i>	383
72	iTechSECOM_346	A study on Ulam stability of fractional integro derivative impulsive Cohen-Grossberg Neural Network Model <i>Grayna J</i>	388
73	iTechSECOM_309	Efficiency Dual active clamp DC-DC converter compared with NON isolated step-up DC-DC converter to reduce switching losses using Galvanic isolation method <i>Manish. K, Jaanaa Rubavathy S, Gomathi S</i>	392
74	iTechSECOM_313	An Intelligent Design of Solar Energy Powered Smart Residence Controlling System using Novel Power Grid Principles <i>Gnana Arun Johnson J, Ramya G, Sripriya T, Samuthira Pandi V, Sudha K, Umamaheswari K</i>	397
75	iTechSECOM_319	Pyrun – Auto solution searching feature in an online Python interpreter <i>Gomathi B, Yuvanesh J,Snehal Jain, Stephan J</i>	403
76	iTechSECOM_320	Elephant Detection and Alarm System using Tensor Flow <i>Ravikrishna S, Subashkumar C S, Sharan V, Sanjaykumar V, Logeshwar S</i>	408
77	iTechSECOM_325	Development and Deployment of an Alert System for Anomaly Heat Detection in Industrial Machinery <i>Prathap M R, Vairavel K S, Aravindaguru I, Nandhini K M, Logesh R</i>	414
78	iTechSECOM_328	FPGA-based Realization of Processor Unit with Key-Based Logical Obfuscation <i>Susithra N, Anne Sai Venkata Sravan, Suraj T, Shrirekha K, Rajalakshmi K</i>	420
79	iTechSECOM_347	Simulink Implementation of MFCC for Audio Signal Processing Applications <i>Susithra N, Akshara R, Harshini A, Aiswarya P, Abinaya , Rajalakshmi K</i>	426
80	iTechSECOM-350	Empowering Smart Farming: Extensive Plant Surveillance and Accurate Pest Identification <i>Jothibas M, Miruthula P V, Shree Harini K</i>	432
81	iTechSECOM-351	A Salient Feature System for Profanity Detection and Saliency Checking in Text <i>Santhanamari G, Viswa Kumar N, Sriniketh J</i>	438
82	iTechSECOM_35	Convolution Neural Network-Based Meat Quality Checker using Different Optimizers <i>Mohamed Musab V M, SundarRaj P, Sivapalanirajan M, Mohamed Althaf Wahid T S, Sudalaimani G, Vigneshwaran B</i>	443

**2023 International Conference on Intelligent Technologies for Sustainable Electric and Communications Systems
(iTech SECOM)**

83	iTechSECOM_55	A Hybrid ML-MMSE Equalizer for Quick and Precise Channel Estimation in Vector OFDM <i>Amarsingh Fero C, Vignesh R, Surya Benjamin G, Philip Austin M, Andrew Roobert A</i>	447
84	iTechSECOM_57	An Comparative Analysis of Malicious Traffic Detection in IoT Network using Machine Learning Algorithms <i>Andrew Roobert, Philip Austin M, Vignesh R, Subitha R, Kabilan R</i>	452
85	iTechSECOM_89	Hyper Spectral Spatial Image Segmentation Using Machine Learning Algorithms <i>Saravanan.G, Suresh. A, Jagannathan J, Thanga MariappanL, Thanga Mariappan L</i>	458
86	iTechSECOM_103	IoT-Infused Weather Reporting System for Precision Forecasting <i>Karthigadevi K, Amrutha M T, Elizabeth Rani.G, Reddy Jyoshna, Binil P J, Kundrapu Sai</i>	463
87	iTechSECOM_131	Design and Link Budget Analysis of Efficient Missile Telemetry Data Transmission during Re-entry Blackout <i>Jenila C, Sakthi Viswanath S, Chandru M, Karkuvel M, Hemand Surya M</i>	469
88	iTechSECOM_136	QR Code-Based Login with Robust RSA Algorithm Encryption <i>Elizabeth RaniG, Gnanapriya P, Sakthimohan M, Naveena G, Amuthaguka D, Ashok A S</i>	474
89	iTechSECOM_180	Approximate Brent Kung Adder for Image Processing Applications <i>Tummala Prudhvi, Dantla Sudhakar Reddy, Musala Sarada, Kanapala Satish</i>	480
90	iTechSECOM_188	Channel Estimation using Approximate Message Passing based Hybrid-Field for Massive MIMO Systems <i>Shoukath Ali K, Perarasi T, Gnanaprakash V, Sajan P Philip, Leeban Moses M, Poongodi C</i>	485
91	iTechSECOM_204	Impact of LDPC Encoded Data in Uplink of 5G PD- NOMA System <i>Parameswaran Ramesh, Bollineni Krishna Sai, Ranjith V, Bhuvanewari P T V</i>	490
92	iTechSECOM_222	Object Detection and Recognition in Dark using Feature Enhancement Algorithm <i>Madhan K, Shanmugapriya N</i>	495
93	iTechSECOM_352	Advancements in Imaging Technologies for Enhanced Cardiac Diagnostics: A Comprehensive Review <i>Balakiruba J, Santhanamari G, Usha S</i>	501
94	ITechSECOM_327	Challenges and Overcoming Methods for Word Sense Disambiguation <i>Krishna Priya G, Anusuya K V</i>	507
95	iTechSECOM_324	A Systematic Investigation of Uplink Massive MIMO and Interference Management in Heterogeneous Networks <i>Vetrivelan P, Rishabavarthani P, Swetha V</i>	513

**2023 International Conference on Intelligent Technologies for Sustainable Electric and Communications Systems
(iTech SECOM)**

96	iTechSECOM_264	A Network Optimized 3D Intercom Approach for UAV Communication using 6G Network <i>Premalatha N, Gayathri P, Sangavi N, Ramesh K, Nandhakumar R, Andrews Sanraj</i>	518
97	iTechSECOM_274	CNN and Random Forest based ML approaches for UE Resource Optimization in QoS driven- Sliced 5G Networks <i>Visalakshi P, Harita J, Sakshi Priyadarshini</i>	524
98	iTechSECOM_229	Optimized Crop Prediction System using Feature Selection Techniques with Machine Learning Classifiers <i>Sagana C, Keerthika P, Devendran K, Thangatamilan M, Karthikheyan A V, Magendraprasat M G, Mathiyalagan M</i>	530
99	iTechSECOM_297	Artificial Intelligence Techniques Based Energy Prediction Analysis and Load Forecasting using a Dynamic Website <i>Ramesh R, Dharani S, Asuvanti M A, Gowrijayasree, Indhurekha U</i>	535
100	iTechSECOM_248	Silhouette Analysis Based K-Means Clustering in 5G Heterogenous Network <i>Parameswaran Ramesh, Shree Sandhiya, Sneha Sattainathan, Lara Levincy A, Bhuvanewari P T V, Ezhilarasi S</i>	541
101	iTechSECOM_314	Implementation of Power Efficient Multiply Accumulate Unit for DSP Applications <i>Jayasanthi M, Ashvika D</i>	546
102	iTechSECOM_329	Frequency Hop Spread Spectrum employing Frequency and Quadrature Amplitude Modulation <i>Jayasanthi M, Deepak K, Lokesh Dhanvanthri K S</i>	552
103	iTechSECOM_330	Simultaneous Light wave Information and Power Transfer-based Design of Green IoT Communication System <i>Jenila C, Marri Sravan Kumar, Tellabati Abhinav, Sykam Manoj, Vadla Mallikarjuna Chari, Pamidi Mahaboob Basha</i>	557
104	iTechSECOM_334	Automatic detection of white Blood Cancer from Bone Marrow Microscopic Images Using Convolutional Neural Networks <i>Kalimuthu M, Ranjith D, Prathap M R, Logesh R, Senthil Kumar S, Surya Prakash K</i>	562
105	iTechSECOM_279	Designing and Development of Respiratory Ailment System for a Rapidly Deployable Emergency Ventilator <i>Janesh S, Gowtham P, Pooja R, Ajibala G, Rifana P S, Umapathi K</i>	567