

2019 International Conference on Innovative Trends and Advances in Engineering and Technology (ICITAET 2019)

**Shegaon, India
27 – 28 December 2019**



**IEEE Catalog Number: CFP19T68-POD
ISBN: 978-1-7281-1902-1**

**Copyright © 2019 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:	CFP19T68-POD
ISBN (Print-On-Demand):	978-1-7281-1902-1
ISBN (Online):	978-1-7281-1901-4

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

**2019 International Conference on Innovative
Trends and Advances in Engineering and
Technology (ICITAET)
(27-28 December 2019)**

Table of Contents

Sn	Title	Pg No.
1	Recent Control And Integration Issue Of Distributed Energy Resources In Smart Microgrid: A Review <i>Hanuman Prasad, Kishor V Bhadane And Hemant R. Kulkarni</i>	1-5
2	Performance Analysis Of Single Phase Series Active Compensator Using Control Algorithm Based On Unit Vector Generation <i>Nivedita Pande And Anshu Choudhary</i>	6-9
3	Automated Intensification Of Fertilizer Distribution In Agriculture Using Wireless Sensor Networks Santosh Warpe And Ravi Singh Pippal <i>Santosh Trimbak Warpe And Ravi Singh Pippal</i>	10-14
4	Diagnosis Of Diabetic Retinopathy Using Wavelet Based Contourlet Transform And K-Nn Algorithm <i>Laxmikant Kalkonde</i>	15-21
5	Microstrip Feed Two Elements Pentagon Dielectric Resonator Antenna Array <i>Anishbhai Vahora And Killol Pandya</i>	22-25
6	Comparative Analysis Of Foc Based Three Level Dcmli Fed Pmsm Drive <i>Rakesh Shrivastava, Digambar Ramrao Bhise And Pravin Nagrale</i>	26-31
7	Current Feedback Low Voltage Operational Amplifiers <i>Manoj Sonune, Vipinkumar Pawar, Neha Dumne, Preetam Kolte And Sadaf Sayyed</i>	32-37
8	Design And Simulation Of Novel Variable Gain Differential Voltage Current Conveyor <i>Ramkrishna Yenkar And Manojkumar Nigam</i>	38-42
9	Design And Development Of Rugged Wide Beamwidth Miniaturized Bi-Static Patch Antenna For Xband Fmcw System <i>Ramkrishna Yenkar And Manojkumar Nigam</i>	43-46
10	A Novel Algorithm For The Automatic Detection And Classification Of Microcalcification Clusters Using Wavelets <i>Sagar Tawani And Dr. Ajay Gurjar</i>	47-52

11	Introduction And Classification Of Classical And Advanced Optimization Methods For Electric Power System <i>Yogita Shahakar And Deepak Shahakar</i>	53-59
12	A Basic Permanent Magnets Array Interaction Project For Teaching Artificial Intelligence As A Complementary Model <i>Pedro Ponce, Carlos Varas, Fernando Sanchez, Julio Luna, Arturo Molina And Edgar Lopez-Caudana</i>	60-66
13	Optimization Of X-Band Conical Horn Antenna For Level Sensing Application <i>Arunkumar Heddallikar, Vinay Ghanvat, Kaustubh Sakpal And Raymond Pinto</i>	67-72
14	Shunt Faults Analysis Of Solar Pv-Based Ac Standalone System <i>Rinkesh G. Satpute And Pranay S. Shete</i>	73-78
15	Fault Detection And Classification Based On Semisupervised Machine Learning Using Knn <i>Prerana Wasnik</i>	79-83
16	Traceability Analysis Of Face Spoofing Detection Techniques Using Machine Learning <i>Sonali Chavan And Swati Sherekar</i>	84-88
17	Critical Analysis Of Botnet Detection Techniques For Web Applications <i>Priyanka Tikekar And Swati Sherekar</i>	89-93
18	Design And Simulation Of Series Active Power Filters For Mitigating Voltage Harmonics In Non-Linear Load <i>Satya Prakash, Manoj Hans, Shubhangi Kumbhar And Raviraj Kumbhar</i>	94-99
19	Design And Development Of A Multi-Control Gesture Recognition Based Robotic Arm <i>Saket Pradhan</i>	100-106
20	Application Specific Instruction Set Processor Design For Embedded Application Using The Coware Tool <i>Lopamudra Samal And Chiranjibi Samal</i>	107-111
21	Effect Of Annealing Temperature On Switching Characteristics Of Zinc Oxide Based Rram Device <i>Chandra Prakash Gupta</i>	112-115
22	Proximal Support Vector Machine Classifier Based On Lms Algorithm <i>Deepika Bairagi</i>	116-123
23	Determination Of Important Parameters In Lean Implementation In Plastic Pipe Industries By Factor Analysis <i>Dr. Javed Khan And Dr. Rajendra Dalu</i>	124-129

24	Feature Based Approach For Crowd Density Estimation <i>Neeta Nemade And V Gohokar</i>	130-134
25	Performance Based Feature Selection Using Decision Tree <i>Rahul Adhao And Vinod Pachghare</i>	135-138
26	Splay: A Lightweight Video Streaming Application <i>Nilesh Inkane, Siddhi Kotak And Amit Manekar</i>	139-143
27	Silicon Based 2d Photonic Crystal Power Splitter For Optical Network <i>Tresa E, Prerana Mankar And Dr. Jyoti Digge</i>	144-147
28	Optimize Neutral Framework With Fair Share Resource Allocator For Big Data Processing On Cloud Infrastructure <i>Amitkumar Manekar And Pradeepini Gera</i>	148-152
29	Generation Of Voltage Sag For Different Loads And Conditions Using Matlab Simulink <i>Minakshi Bhakkad And Bapurao Deshmukh</i>	153-159
30	Lbpriu2 Features For Classification Of Radiographic Weld Images <i>Jayendra Kumar, Pratul Arvind, Prashant Singh, Yamini Sarada, Neeraj Kumar And Shivain Bhardwaj</i>	160-165
31	Mahaganana: An Approach To A Smart Census <i>Jigar Wakhariya, Prakhar Gangrade, Amitkumar Manekar</i>	166-169
32	Analytical Review On Various Aspects Of Educational Data Mining And Learning Analytics <i>Jaikumar M. Patil And Dr. S. R. Gupta</i>	170-177
33	Currency Identification And Forged Banknote Detection Using Deep Learning <i>Megha Jadhao</i>	178-183
34	Reduction In Mutual Coupling Using Modified Triangular 2x2 Mimo With Stub <i>V.W.Sonone, Dr.N.B.Chopade And Dr.A.N.Gaikwad</i>	184-187
35	Driver Inattention Monitoring System :A Review <i>Archana Ahir And Vinaya Gohokar</i>	188-194
36	Cavity Backed Parasitic Patch Antenna With Slotted Strips <i>Swati Tiwari And Garima Tiwari</i>	195-197
37	Extraction Of S-Parameters, Permittivity And Permeability Of Cross-Shaped Fss Structure Using Split Ring Resonators <i>Jyotsna Sahai And Garima Tiwari</i>	198-200

38	Mri Brain Tumor Classification Using Hybrid Classifier <i>Swati Jayade, Dr. D.T. Ingole And Mrs Manik D. Ingole</i>	201-205
39	Review Of Brain Tumor Detection Concept Using Mri Images <i>Swati Jayade And Dr. D Ingole</i>	206-209
40	Review On Design And Heat Transfer Analysis Of Solid And Perforated Fins For The Enhancement Of Thermal Performance Of Heat Sinks <i>Madhao Bhambere, Sharad Chaudhari And Gajanan Awari</i>	210-214
41	Comparison Of Fault Classification Accuracy With & Without Applying Signal Processing Method For A Distribution System <i>Sarang Khond And Gunwant Dhomane</i>	215-220
42	Design Efficient Model To Increase Crop Yield Using Deep Learning <i>Ankita Tidake, Dr.Yogesh Kumar Sharma And Dr.Vivek S. Deshpande</i>	221-226
43	Multilevel Inverter Topologies And Their Modulation Techniques For Grid Connection Of Renewable Energy Source <i>Ashok Rajaram And Nilkanth Chopade</i>	227-232
44	Vertical Handoff Solution On Software Defined Radios For Next Generation Wireless Networks <i>Ganesh Rahate And Dr Nilkanth Chopade</i>	233-238
45	Self-Hosted Kubernetes: Deploying Docker Containers Locally With Minikube <i>Ruchika Muddinagiri, Simran Bayas And Shubham Ambavane</i>	239-243
46	An Effective Data Hiding Mechanism Based On Encrypted Images <i>Aniket K. Shahade, Priyanka V. Deshmukh, Dr. A. S. Kapse, Dr. V. M. Thakare</i>	244-248
47	Kinematic Study Of Offset, Its Boundaries And Formulation Of Instantaneous Efficiency Of Crank Mechanism <i>Nitin Metange And Dr. S P Trikal</i>	249-255