2017 International Conference on Innovative Mechanisms for Industry Applications (ICIMIA 2017)

Bengaluru, India 21-23 February 2017



IEEE Catalog Number: ISBN:

CFP17K58-POD 978-1-5090-5961-4

Copyright © 2017 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:
 CFP17K58-POD

 ISBN (Print-On-Demand):
 978-1-5090-5961-4

 ISBN (Online):
 978-1-5090-5960-7

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



<u>International Conference on Innovative Mechanisms for Industry</u> <u>Applications</u>

(ICIMIA 2017)

Table of Contents

S.No	Title/Author Name	Page.No
	Self-Assessing Processes in HPC Applications: Alternate Approach to	
1	Master/Slave Processes	1
	Sankalp Shukla, Dheeraj Singh Rajput, Maniram Ahirwar	
	An Improved Technique of Plant Leaf Classification Using Hybrid Feature	
2	Modeling	5
	Anusha Rao, Dr. S. B. Kulkarni	
3	Design of 2T XOR Gate Based Full Adder using GDI Technique	10
3	Korra Ravi Kumar	10
4	Test Scheduling with Built in Logic Block Observer for NoC Architecture	14
4	Shaik Mohammed Waseem and Afroz Fatima	14
	Energy Management System for Micro Grid Pertaining to Renewable	
5	Energy Sources A Review	18
	Sonakshi Pradhan, Debayani Mishra, Manoj Kumar Maharana	
	Tuning of PID Controller to Maintain Load Frequency for Hybrid Power	
6	System	24
	Anurekha Nayak, Manoj Kumar Maharana	
	Control and Operation of Grid Connected DC Source Based Distributed	
7	Generation	29
	Nayana, R.L. Chakrasali	
	A Measure of Shopping Behaviour Scale Development and Preliminary	
8	Validation	35
	G. Aiswarya, Dr. Jayasree Krishnan	
	Maximizing the Power Output of Partially Shaded Solar PV Array using	
9	Novel Interconnection Method	39
	Namani Rakesh, Udugula Malavya	
10	Overhead Line Fault Detection Using GSM Technology	46
10	Priya Ashok Gulbhile, Jitendra R. Rana, Bapu T. Deshmukh	40
	Performance Analysis of Cascaded Multilevel Inverter Using Modified	
11	Multicarrier PWM Technique	50
	Chinmayi, B G Shivaleelavathi	
12	A Review Information Extraction Techniques from Research Papers	56
12	Kavitha Jayaram & Sangeeta K	30
13	Challenges and Opportunities in Finger Spelling Recognition in Air	60
13	Shruti Gedam, Urmila Shrawankar	00
	Optimal Design of PID Controllers for Time Delay Systems using Genetic	
14	Algorithm and Simulated Annealing	66
14	Arun Gupta, Summi Goindi, Gagandeep Singh, Dr. Hardeep Saini,	00
	Rajesh Kumar	

S.No	Title/Author Name	Page.No
	Adverse Conditions and Techniques for Cross-lingual Text Recognition	70
15	Achint Kaur, Urmila Shrawankar	70
	Monitoring Weather based Meteorological Data: Clustering approach for	
16	Analysis	75
	Shobha N, Dr. Asha T	
17	Noise Cancellation in Musical Signals using Adaptive Filtering Algorithms	82
1 /	Niranjan D, Ashwini B	62
18	Automatic Age Estimation from Face Image	87
10	Ranjan Jana, Abhishek Basu	07
	Analysis and Simulation of Flying Capacitor Multilevel Inverter Using	
19	PDPWM Strategy	91
	M.Madhu Shobini, Dr. J. Kamala, R.Rathna	
20	Performance Analysis of Latent Fingerprint Enhancement Techniques	96
20	Sidharth Makhija, Aishwarya Khatwani, Dr. M. Mani Roja	90
21	Broadcasting Efficiency with and Without Clustering in MANET	101
21	D Sathiya, B.Gomathy	101
22	Distribution Transformer Failure in India Root Causes and Remedies	106
22	Narasimha Pandit and R.L.Chakrasali	100
	Design of High gain Low power down conversion Mixer used for Wireless	
23	LAN applications.	111
	Annada M , Dr. A B Kalpana	
	A Survey on Cluster based Routing, Data Aggregation and Fault Detection	
24	Techniques for Locating Real Time Faults in Modern Metro Train Tracks	116
24	using Wireless Sensor Network	110
	Nitya Komalan	
25	Energy Efficient WMSN using Image Compression A Survey	124
	Nirali Patel, Jayesh Chaudhary	124
	3D point cloud generation from 2D depth camera images using successive	
26	triangulation	129
	Bishwajit Pal, Dr. Samitha Khaiyum, Dr. Y.S. Kumaraswamy	
27	Health Monitoring Systems using IoT and Raspberry Pi – A Review	134
	Vivek Pardeshi, Saurabh Sagar, Swapnil Murmurwar, Pankaj Hage	131
	Least Cost Design of Axially Loaded Compression Member Using Genetic	
28	Algorithm	138
	Mrs.Karthiga @ Shenbagamn.N, Dr.Arunachalam.N	
29	Automated Traffic Control for Pedestrian Safety	145
	Anubha Kumari, Deepshika, Satish B	113
30	Detection and Classification of Power Quality Events using DWT and MSD	150
30	Pallavi R. Kamthekar, Ravindra K. Munje, Bansidhar E. Kushare	
31	Approaches for Automated Bug Triaging A Review	158
	Trupti S. Gadge, Nikhil Mangrulkar	130
	Artificial Neural Network based Identification and Classification	
32	of Images of Bharatanatya Gestures	162
	C V Soumya, Muzameel Ahmed	

S.No	Title/Author Name	Page.No
	Enhancing Healthcare using m-Care Box (Monitoring non-Compliance of	
33	Medication)	167
	Aakash Bharadwaj. S, Divyank Yarravarapu, Sadiparala Charan Kumar Reddy,	10,
	Thirumalaraju Prudhvi, K.S.P.Sandeep, Obulam Siva Dheeraj Reddy	
34	Alleviation of DDoS Attack Using Advance Technique	172
	Vishal V. Mahale, Nikita P. Pareek, Vrushali U. Uttarwar	
25	Design and Development of an Automated RF Test Platform for Low Noise	1.77
35	Pre-Amp	177
	Tinson Thomas, Anoop Thomas and Sreekumar V M	
i _	A Low Power Dynamic Logic with nMOS Based Resistive Keeper Circuit	
36	Riazul Islam, Kazi Fatima Sharif, Mahbubul Haque, Satyendra N.	181
	Biswas, Sunil R. Das, Mansour Assaf, Emil M. Petriu	
	Low Power nMOS based Memory Cell	
37	Kazi Fatima Sharif, Riazul Islam, Mahbubul Haque, Satyendra N.	186
	Biswas, Voicu Groza, Mansour Assaf	
	7T SRAM based Memory Cell	
38	Kazi Fatima Sharif, Riazul Islam, Mahbubul Haque, Marzia Akhter Keka,	191
	Satyendra N. Biswas	
	N-FinFET based Resistive Keeper Circuit for Low Power Dynamic Logic	
39	Riazul Islam, Kazi Fatima Sharif, Mahbubul Haque, Marzia Akhter Keka,	195
	Satyendra N. Biswas	
	A Method for Modelling Variable Speed Compressor in Chemical Process	
40	Simulators	199
	Pavan Kumar Veldandi	
4.1	Secure Data Aggregation in WSN using Iterative Filtering Algorithm	205
41	Ekta Choudhari , Ketan D. Bodhe , Snehal M. Mundada	205
40	Design and Implementation of 4096 point FFT for Satellite Communication	210
42	Supriya S M, Renitha Rajeev, Pawankumar B	210
42	Survey on Positioning and Tracking Methods for Disruption Tolerant Network	215
43	Arnika Patel	215
4.4	A Survey on Context based Similarity Techniques for Image Retrieval	210
44	Twinkal Patel and Snehal Gandhi	219
	A Survey on Facial Feature Extraction Techniques for Automatic Face	
45	Annotation	224
	Twisha Patel and Bhumika Shah	
	Mobility and Connectivity Analysis of a Multi finger Tendon Driven	
46	Robotic Gripper	229
	Nazma Ehtesham, Mohd Suhaib, Mohd. Mujahid Khan	<i></i> /
	A Review on Extracting Underlying Content from Deep Web Interfaces	
47	Unnati N. Bhakare, Dr. Prashant N. Chatur	234
	A Review on XML Keyword Query Processing	
48	Prashant R. Lambole, Dr. Prashant N. Chatur	238
	Detection, Characterization and Classification of Short Duration Voltage	
	Events using DWT and Fuzzy Logic	242
49	Pallavi R. Kamthekar, Pankaj V. Gautam, Ravindra K. Munje	∠+∠
	1 anavi K. Kaminekai, 1 ankaj v. Gaalam, Kavinara K. Manje	

S.No	Title/Author Name	Page.No
	Survey of Copy-Paste Forgery Detection in Digital Image Forensic	248
50	Anushree U. Tembe, Supriya S. Thombre	2.0
£ 1	Implementation of Highly Efficient Sorting Algorithm for Median Filtering using	252
51	FPGA Spartan 6 Vidya P Korakoppa, Mohana, H V Ravish Aradhya	253
	Modelling, Analysis and Simulation of Hard Body Impact Damge in Laminated	
52	Composite Structures	258
	Eklure Basawaraj , Dr. Kailash Chandra Panda	
7.0	Unbalanced Voltage Effects and its Analysis on an Induction Motor	2.62
53	Sangeeta Sahu, Rudra Narayan Dash, Chinmoy Kumar Panigrahi, Bidyadhar Subudhi	263
	Software Testing and its Scope in Cloud: A Detailed Survey	
54	Narasimha Murthy M S, Suma V	269
	An Intelligent Fuzzy Sliding Mode Controller for a BLDC Motor	27.4
55	Arun Prasad K.M., Usha Nair	274
	Hashing Based Indexing Techniques for Content Based Image Retrieval: A	
56	Survey	279
	Foram Patel and Dipali Kasat	
	A Survey on Combine Approach of Low Level Features Extraction in	284
57	CBIR	
	Dhruvi Shah,Urmi Desai	
58	Battery Management System for Solar PV Panel	290
	Namani Rakesh, T. Santosh, Udugula Malavya and D. Rishikesh A DWT Based Differential Relaying Scheme of SVC Compensated Line	
59	S.K Mishra	295
	Energy Analysis of Task Scheduling Algorithms in Green Cloud	
60	Jagadeeswara Rao.G	302
	A Hybrid approach of Privacy Preserving Data Mining using Suppression	
61	and Perturbation Techniques	306
	Arshveer Kaur	
62	A Review on BSNL's Next Generation Networks	312
02	Mitha M	312
	Design of 3.3V Rail To Rail Operational Amplifier for High Resolution	317
63	ADC Driver Amplifier	
	Arshath Sheeparamatti, M Vineeth Bhat, Srivatsa M P, Nithin M Review of Interoperability approaches in Application Layer of Internet of Things	
64	Varun M Tayur, Suchithra R	322
	Power Quality Enhancement in Distributed Energy Resources by Four Leg Voltage	
65	Source Converter	327
	G. Venkata Suresh Babu, V. Ganesh	
	Simulation and Hardware Design of a flyback converter for Solar Energy	222
66	Powered DC loads	332
	Deepthi Chennampalli, Dr.G.S.Anitha	
67	An Efficient Cloud based Architecture for Integrating Content management Systems.	337
07	Benny Thomas, Thrivani J, K R Venugopal	331
	Denny Inomus, Imream 3, 12 A remagoput	<u> </u>

S.No	Title/Author Name	Page.No
68	Enhancing Security for Load Balanced Energy Enhanced Clustered Bee Ad Hoc Network using Secret Public Keys Sasmita Mohapatra, Dr.M.Siddappa	343
69	Design and Development of Microcontroller based Controlled Switching Device for Transformer Dr. Ritula Thakur, Ravi B.L	349
70	Crowd-Sourcing based Android Application for Structural Health Monitoring and Data Analytics of Roads using Cloud Computing Vinaydeep Kaur, Akriti Tyagi, M Kritika, Pratima Kumari, Sanket Salvi	354
71	Chattering Free Sliding Mode Controller for A Hypersonic Wind Tunnel <i>Rajani S H, Bindu M Krishna, Usha Nair</i>	359
72	An Outline: Segmentation of Blood Vessels, Veins and Artery in MRA <i>Manoj T H</i> , <i>Dr. M Gunasekaran</i>	364
73	Single Channel Speech Enhancement Technique-An Implementation on MATLAB Nishitha Danthi and Dr.A.R.Aswatha	369
74	A Survey on Design and Analysis of Robust IoT Architecture *B.Dhanalaxmi, Dr.G.Apparao Naidu*	375
75	Digital Signatures Security Using Cryptography for Industrial Applications Mrs. B.Anandapriya, Dr. Ananthi Sheshasaayee	379
76	Effect of Composite biodiesel of Pongamia – Waste Cooking oils and its Diesel blends on Performance and Emission characteristics of C I Engine <i>Tilak S R</i>	383
77	Detection of Islanding and Power Quality Disturbance in Micro Grid Connected Distributed Generation Goutam Swain, Pampa Sinha, M.K Maharana	388
78	Cumulative Distribution Function: Stock Price Forecasting Thangjam Ravichandra, Chintureena Thingom	394
79	Impact of Distributed Generation on Protection of Power System Digambar R .Bhise, Ravishankar S.Kankale, Saurabh Jadhao	399
80	Detection of High Impedance Fault in Distribution System considering Distributed Generation Anshu Priyanka Kujur, Tapaswani Biswal	406
81	Fuzzy C-Means Clustering and Criminisi Algorithm Based shadow Removal Scheme for Side Scan Sonar Images Vikas A, Dr.A. Sreenivasan, Dr.K.L. Sudha	411
82	An Analysis on Direct Authentication of Data Rahul Dubey & Chintureena Thingom	415
83	The Tactile Internet Varsha H.S, Shashikala K.P	419
84	Research Needed for Proton Exchange Membrane Fuel Cell to Enable Automotive Applications Dr Putta Bore Gowda B, B Prabhudev, Chaithanya Murthy S, Dr.Rajaratnam Chandrashekar	423
85	GSM Based Annunciation System Madhura S, Poojalakshmi.M, Raghumala, Shreeyas pravin.S.	427

S.No	Title/Author Name	Page.No
	Multiple Camera Based Multiple Object Tracking Under Occlusion: A	
86	Survey	432
	Ms. Latha Anuj, Dr. M. T Gopala Krishna	
	Effects of Annealing on Band Gap And Photoelectrical Properties of Spin	
87	Coated Poly (3-hexylthiophene) (P3HT) Thin Films	438
	Aruna P and Joseph C M	
0.0	Survey on Leaf Recognization and Classification	
88	Pankaja K	442
00	A Brief Analysis on Solar Status of India	451
89	Deeptarka Roy, Ullash Kumar Rout, Surekha Jonalagadda, Prashnajit Beher	451
	A Survey on Recommendation System with Collaborative filtering using	
90	Big Data	457
	Sonali	
0.1	Performance Comparison of Matrix Multiplication Algorithms	4.61
91	Pradyumna S	461
0.2	SentiReview: Sentiment Analysis based on Text and Emoticons	4.67
92	Payal Yadav, Dhatri Pandya	467
	Human Body Posture Recognition – A Survey	1=0
93	Pankita Patel, Prof. Bhumika Bhatt, Prof. Bhumi Patel	473
0.4	Overview of Airborne SAR Data Processing Alogorithms	4=0
94	Vasanthkumar Joshi , Dr. S Manikandan , H C Srinivasaiah	478
	Single Switch Converter with High Voltage Gain and Low Voltage Stress for	
95	Photovoltaic Applications.	485
	Dhanalakahmi.R , Shalini.N	
	Investigations on Multiphase Modified Interleaved Buck Converters for	
96	High Step Down Voltage	491
	Dhanalakahmi.R , Ishwarya.M	
97	Conversion of Wide Band RF Signal to Optical Signal using MZM.	497
91	Akshata and Yakin	497
98	FPGA Implementation of Logarithm of A Number to Base 2	502
90	Rajagopal A, Karibasappa K, Vasundara Patel K. S.	302
99	Physiotherapy Data Analysis of Big Data in Healthcare Applications	506
99	Swaroopa V Dugani, Dr. Sunanda Dixit	300
100	Indexes in PostgreSQL	510
100	Seema Sultana, Dr. Sunanda Dixit	512
	Predictive Model to Classify User Data Based on Sensitivity Level and	
101	Providing Security for Sensitive Data	516
	Deepika K M, Shashank H K, Dr. Sanjay H A, Bini Y Baby	
100	Application of Lean Six Sigma in Indian Higher Education System	510
102	Kajal Mukhopadhyay	519
	A Review on Design and Development of Low Cost 5GHz Microstrip Patch	
103	Array Antenna	524
	Chandrahasa R.Salian, Santhosh B, Sandeep Vedagarbham	
104	Automated Question Answering System Using Ontology and Semantic Role	73 0
104	S.Jayalakshmi, Dr.Ananthi Sheshasaayee	528

S.No	Title/Author Name	Page.No
	Performance Enhancement of Distribution System Using Optimal	
105	Allocation of Distributed Generation & DSTATCOM	533
	Disha Tiwari, Sriparna Roy Ghatak	
106	A Review on Video Broadcasting in Wireless Technology	539
100	Chaitra B S, Harshitha Urs T R, Jayanth C	337
107	Genome Sequencing using MapReduce and Hadoop – A Technical Review	544
10,	Divya D. Patel, Kavita R. Singh	0
108	Design and Simulation of Circular Microstrip Patch Antenna	548
	Vijayalaxmi S W, Dr.A Sreenivasan	
100	Analysis of The Joining Process for Dissimilar Tubular-Rod Structures by	5.50
109	High Speed ElectroMagnetic Pulse Force	552
	K.Shanthala, T.N.Sreenivasa, Hitesh Choudary, Shantaram Dond	
110	New Design of Second Order Microwave Integrator	556
	Dharmendra K. Upadhyay	
111	Device Characterization and Impact of CNT Diameter Variation on The	561
111	Read Write Stability of CNTFET 6t SRAM Cell	561
	Balaji Ramakrishna A Comparative Analysis of Traditional Education System Vs. e-Learning	
112		567
	Ramya S Gowda, Dr. Suma. V Review on Towards Efficient Mining of Recurrent Patterns in Time Series	-
113	Data	572
113	Shimpli Dhale	312
	Prediction and Severity Estimation of Diabetes Using Data Mining	
114	Technique	576
117	Vrushali R. Balpande and Rakhi D. Wajgi	
	Characterizing Behavior of Topical Authorities in Twitter	
115	hamideh shahrabi, alireza bagheri, ebrahim haj khan mirzaye saraf	581
	A Study on Development of PV Cell/Module and Output Power Variation	
11.	Based on Two-Diode Model	505
116	Manoj Kumar Mv, R Sharath Kumar, Prajwal G V, Balaji Ramakrishna	587
	S	
117	Analysis of Techniques Involving Data Hiding and Watermarking	502
117	Sujatha D, Ananthi Sheshasaayee	593
	Effect of Irradiance on Yield Factor of Solar Photovoltaic Plant- A Case	
118	Study	597
	Satyarajan Jena, Swagatika Sahoo, Chinmoy Kumar Panigrahi	
	V2X Communication Protocol in VANET for Co-operative Intelligent	
119	Transportation System	602
	Sushma.U.Bhover; Anusha Tugashetti; Pratiksha Rashinkar	
	Plagiarism Detection on Bigdata Using Modified Map-Reduced Based Scam	
120	Algorithm	608
	Jayshree Dwived	
4	Domain Ontologies and their use in Building Intelligent Systems: A	
121	Comprehensive Survey	611
	Rashmi S R, R Krishnan	

S.No	Title/Author Name	Page.No
	A Review Paper on Design of an Asynchronous Counter Using Novel	
122	Reversible SG Gate	617
	Isha Sahu, Prof.Mrs.Poorvi Joshi	
123	Smart Map for Smart City	622
123	Sunita Dambhare, prof S. J. Karale	022
	A Study on the New Approaches for Social Network Based	
124	Recommendations in Digital marketing	627
	Dr. Ananthi Sheshasaayee, H. Jayamangala	
105	Designing and Development of A New Consumption Model From Big Data	622
125	to Form Data-As-A-Product (DaaP)	633
	Sunitha S A Survey on Noise Reduction Techniques for Lung Concer Detection	
126	A Survey on Noise Reduction Techniques for Lung Cancer Detection Madhura J, Dr.Ramesh Babu D R	637
	Load Balancing Streamed Healthcare Data Using MR Technique	
127	Vibha M B, Rakshitha Kiran P, Dr.Poornima Nataraja, Dr.R.Raju	641
127	Gondkar	011
	Computational Approach of Artificial Neural Network	
128	ThangjamRavichandra, ChintureenaThingom	646
	Review Paper on Design of 3D scanner	
129	Prof.Ms.Swati.S.Pawar, Hussain Mithaiwala, Abhishek Gupta, Sunny	650
	Jain	
	The Analysis on Search Engine Optimization Supported by Six Sigma	
130	Methodology	653
130	Rajesh Eswarawaka, Sai Kiran Kudikala, Sai Charan Kuchi, Viswas V	033
	erma K	
131	Multi Class Classification of Satellite Images	659
	K.Radhika, S. Varadarajan	367
122	A Theoretical Framework for Cloud Resource Provisioning using	664
132	MapReduce Technique	664
	Megala R Analysis on Emotion-Aware Healthcare and Google Cloud Messaging	
133	Manikandan Shanmugam, Monisha Singh	667
	Analysis of Portfolio with Public and Private Banking Stocks in India – A	
134	Study from 2011 to 2016	671
131	Molla Ramizur Rahman	071
	A Comprehensive Survey on Data Storage and Retrieval	
135	Rajesh Eswarawaka, Sumalatha U, Siva Sai Krishna K Vivek Reddy	676
	Karnegari	
126	Estimation of Leakage Power Using Low-Power Cut Technology	CO1
136	D Vijayalakshmi, Dr. P C. Kishore Raja	681
137	Android Security Issues and Solutions	686
13/	Karthick S, Dr. Sumitra Binu	000
	Design and Impact of an ERP and Automation Model in the Administration	
138	Sectors	690
	K.Bhargavi, Dr.(Mrs). Ananthi Sheshasaayee	

S.No	Title/Author Name	Page.No
139	An Overview of Data Fusion Techniques	694
137	Dr.V.S.Krushnasamy; Pratiksha Rashinkar	074
4.40	Power System State Estimation by Linear programming Under False Data Injection	
140	attack and Contingency	698
	R. R. Ambekar, Dr. H.A.Mangalvedekar	
	Design and Development of Magneto-Rheological Brake for Optimum Casing	
141	Thickness M.H. Sumukha, R. Sandeep, N. Vivek, K.P. Lijesh, Hemantha Kumar, K.V.	704
	Gangadharan	1
1.10	Simulation Studies On WTG-FC-Battery Hybrid Energy System	710
142	K Rathna Jyothy Dr.CH.Padmanabha raju Dr.R.Srinivasarao	710
	Analysis of a Magnetorheological Brake with a Single Low Carbon Steel Disc	
143	Using ANSYS	717
	S. M. Muzakkir, Deepak Kumar	
	Performance Enhancement of Three Phase Induction Motor by Using Multi	
144	Level Inverter	720
	Mrs. Sayeeda Farzana, Mr.Y.Sumith, Mr.K.Ravisankar	
145	Impact and Consequences of BIG DATA in e-Learning	726
143	S.Malathi, Dr. (Mrs) Ananthi Sheshasaayee	720
	Implementation of Data Mining Techniques in Upcoding Fraud Detection in the	
146	Monetary Domains	730
	Ananthi Sheshasayee, Surya Susan Thomas	
147	Evaluating User Experience in Moodle Learning Management Systems	735
	Dr.Ananthi sheshasaayee, M.Nazreen Bee A Study on Tensile and Tribological Properties of Aluminum 7075 Metal Matrix	
	with Boron Carbide Reinforced Composite Material by using Computer Interface	
148	Tensile and Wear Test	739
	Praveen Kumar K, Dr. C.P.S Prakash, Dr. Mallikarjun B, Shantharam A	
1.40	Talking Hands – An Indian Sign Language to Speech Translating Gloves	746
149	S Yarisha Heera, Madhuri K Murthy, Sravanti V S, Sanket Salvi	746
	Development and Microstructure Analysis of Thermal Barrier Coating on Cast Iron	
150	Substrate	752
	Haridasa Nayak, Dr. N krishnamurthy	
151	Review of Supply Chain Management in Manufacturing Systems	759
101	Jawahar J Rao, Dr. Vasantha Kumara	737
152	Analysis of Ticket Severity: A Case Study	763
	Sharon Christa, Suma V	, 65
153	An Analysis of Suitable CTD Model for Applications	766
	BinduBhargavi S.M, Suma V	, 00
	Active and Passive Radar-Location Systems for the Calculation of	
154	Coordinates	770
	Mrs.Manjula Devi T H, Neeta R Dhabale, Devishree	
155	Modelling and Analysis of A Standalone Pv/Micro Turbine Hybrid System	774
-	BasavarajShalavadi, RavindranadhV, Uday Kumar R.Y	- , -
	Implementation of Low Cost Protocol Converter Using Common Media	
156	Device	780
	Ananda.M.P, Lavanya Krishna	

S.No	Title/Author Name	Page.No
	An Efficiency Analysis on the TPA Clustering Methods for Intelligent	
157	Customer Segmentation	784
	Ananthi Sheshasaayee, L.Logeshwari	
158	Dimension Reduction Methodology using Group Feature Selection	789
138	Shrutika Kolhe, Prarthana Deshkar	