

EDITORS-IN-CHIEF

Dr. G. R. KULKARNI

Dr. N. N. JANI

EDITORIAL BOARD

| | | | |
|---|---|--------------------------------------|---------------------------------------|
| Dr. Deborah Rayfield Maryland | Dr. N. Yadiah Hyderabad | Dr. V. Charles Mysore | Dr. Tee Hiang Chang Singapore |
| Dr. Durga Prasad Sharma, Jaipur | Dr. Jaime A. Teixeira Japan | Ch.V.S.Parameswara Rao, Guntur | Dr. Wayi Yue Japan |
| DR. Ved Vyas Dwivedi | Dr. Clyde F. Martin Lubbock, TX | Dr. Bala Srinivasan Australia | Prof. Jie Huang Hong Kong |
| Dr. Rajeshwari Hegade Banglore | Dr. Iwalokun Bamidele Nigeria | Dr. A. R. Patel | Dr. V. R. Rathod Bhavnagar |
| Dr. Desouky Abd- El-Haleem | Dr. G. R. Karpagam Coimbatore | DR. K. H. Wandra Wadhwan | Dr. Terrance O'Brian Releigh, NC |
| Dr. Shakti Kumar Jagadhri | Dr. Yogesh Singh New Delhi | Dr. Shouyang Wag Beijing, China | Dr. Hamid R. Arabania USA |
| Dr. R. M. Patel | DR. Anwar M. Mulla, SANGLI | Dr. N. P. Gopalan Tiruchirapalili | Dr. V. V. Pillai Cochin |
| Dr. James Terlaky Canada | Dr. P. Nagabhushan Mysore | Dr. Ishtiaque A. Khan Aligarh | Dr. B. B. Jaysingh Hyderabad |
| Dr. Sorabh Gupta Kaithal (Haryana) | Dr. N. Asok Kumar Trivendrum | Dr. V. Nath Ranchi | Dr. Pradeep Gundaliya Ahmedabad |
| Dr. A. A. Shaikh Surat | Dr. Y. M. Thakare Amaravat | Dr. P. S. Raghuprasad Mysore | Dr. C. H. Vithalani Rajkot |
| Dr. A. Govardhan Hyderabad | Dr. Jyotirmay Banerjee Surat | Dr. S. C. Sharma Roorkee | Dr. J. Dutta Majumdar Kharagpur |
| Dr. Rajiv Dharaskar Nagpur | Dr. Philip Samuel Cochin | Dr. S. C. Pradhan Kharagpur | Dr. Pravat Kumar Parhi Bhubaneswar |
| Dr. Dhason Antony Noida | Dr. E. George D.P.R. Tiruchirappalli | Dr. Manjunath Aradhya Banglore | Dr. D. K. Dwivedi Roorkee |
| Dr. Tenneti Madhu Bhimavaram | Dr. Lean Yu Beijing, China | DR.Munesh C. Trivedi Gaziabad | Dr. Xin Min Yang China |
| Dr. C. K. Kumbharana Rajkot | Dr. P. K. Manoj Kochi | Dr. Alok Jain Vidisha | Dr. Bandu B. Meshram Mumbai |
| Dr. Sanjay V. Dudul Amravati | Dr. V. D. Barve Nasik | Dr. Vijaykumar Chavda Porbandar | Dr. Ford Lumban Gaol Jakarta |
| Dr. K. Mustufa New Delhi | Dr. N. R. Rajkumar Banglore | Prof. A. K. Saxena Roorkee | Dr. Chung Yau Lam Singapore |
| Dr.B.B.Meshram Mumbai | Dr.Pramod Patil JDCE-Nagpur | Dr.M.V.Subramaniam Nandyal | Dr.Jyotsna D. Mujumdar, Kharagpur |
| Dr.Biswajit Satpathy Burla-Sambalpur | Dr.Dhaval Kathiriya Gandhinagar | Dr.P.K.Garg Roorkee | Dr.Syed Abdul Sattar Hyderabad |
| Dr.Lean Yu Beijing | Dr.Utkarsh Seethe Jaipur | Dr.M.N.Qureshi Vadodara | Dr.Ashok Rama Perundurai |
| Dr.R.Asokan Perundurai | | | |

REGIONAL EDITOR

| | | | |
|--|---|---|-------------------------------------|
| Prof. Vivek Choudhari Dhule | Prof. Narpatsingh Shekhawat, Bikaner | Prof. Vishal Goyal Patiala | R. S. Dalu Amravati |
| Chidanada Acharya Manipal | Z. S. Punekar Bijapur | Abdul Rahim Ismail Malaysia | Durgaprasad D. Vijaywada |
| Pradeep Kr Chauhan Solun | Vishal Dahiya Ahmedabad | Prof. Kirit Modi Kherava | Siddhartra Baruah Jorhat |
| P. Joe Arun Raja Sivakasi | R. J. Rama Sree Tirupati | Jagdish M. Rathod Vallabh Vidyanagar | Pramod R. Bhagat Allahabad |
| G. T. Tomar Indore | Amisha Shingala Vallabh Vidyanagar | Karan Singh Allahabad | Seema Shah Mumbai |
| DR .K.V.S.S.S.S. Sairam Hyderabad | Prof. S. K. Shandilya Bhopal | Mohd. Sadiq New Delhi | Rajesh Sambhe Yavatmal |
| Vimala Juliet India | Dayashankar Singh Gorakhpur | Prof. D. V. Ashoka Banglore | Prof. Kanhe Ram K. Aurangabad |
| Savita Pamnani Jaipur | Prof. Deepshikha Bhargva, Jaipur | Prof. P. K. Garg Roorkee | Prof. P.H. Darji Wadhwan |
| Prof. B. S. Patil Sangli | DR. Bhavin Sedani Rajkot | DR. Ms. Avani Vasant Rajkot | Prof. Mrs. Veera Jani Wadhwan |
| Prof. S.U. Gumaste Nagpur | Prof. Nisheeth Joshi Banasthali | Prof. Amit R. Bhende Nagpur | Prof. Priyanka Sharma Vidyanagar |
| P. Sivaprakash, Dharmapuri - Tamilnadu, | Prof. Anand Nayyar Punjab | | |

CO- Editor

DR. TARUN SHRIMALI, UDAIPUR
DR. NEERAJ BHARGAVA, AJMER

INDEX

| Sr. no. | Title & Authors | Page Nos. |
|---------|---|-----------|
| 1 | <p>A REVIEW ON ECG SENSOR</p> <p>¹RAM RINA, ² DIVYAG SHAH, ³ RAJENDRA APARNATHI</p> <p>^{1,2} Department of Electronics and communication Engineering, Nobel Group of institution Gujarat Technology University, Gujarat, INDIA.</p> <p>³ Department of Electrical and Electronics Engineering, C U Shah College of Technology and Engineering, C U shah University, Wadhvancity, Surendranagar, Gujarat, INDIA.</p> <p><i>reenajnd@gmail.com</i></p> | 01-05 |
| 2 | <p>ON NANO GENERALIZED α-CLOSED SETS & NANO α-GENERALIZED CLOSED SETS IN NANO TOPOLOGICAL SPACES – EXAMPLES</p> <p>¹R.THANGA NACHIYAR AND, ²K.BHUVANESWARI</p> <p>¹ Research Scholar, Department of Mathematics, Mother Teresa Women’s University, Kodaikanal, Tamilnadu, India.</p> <p>² Associate Professor & Head, Department of Mathematics, Mother Teresa Women’s University, Kodaikanal, Tamilnadu, India.</p> <p><i>drkbmaths@gmail.com, nachiyar@yahoo.com</i></p> | 06-08 |
| 3 | <p>VALUE STREAM MAPPING: SIMULATION APPROACH</p> <p>VIKRAM M. PATIL¹, S.G.BHATWADEKAR², S.M.KADANE³, Dr. .A.MANDAVE⁴</p> <p>¹ Post Graduate Scholar, ² Associate Professor, ³ Assistant Professor, Department of Production Engineering, KIT’s College of Engineering, Kolhapur</p> <p>⁴ Associate Professor, Mechanical Engineering Department, KBP College of Engineering, Sadar Bazar, Satara (Maharashtra) India</p> <p>¹ <i>vision2020vikram@gmail.com</i>, ² <i>sgbhatwadekar@rediffmail.com</i>, ³ <i>smkadane@gmail.com</i></p> | 09-14 |
| 4 | <p>A REVIEW OF HIGH PERFORMANCE FPGA IMPLEMENTATION OF AES ALGORITHM USING VEDIC MATHEMATICS</p> <p>¹BRITA K. ASLALIYA, ²ANURAG P. LAKHLANI, ³PREETI MATHURIA</p> <p>² Head of Department, Marwadi Education Foundation’s Group of Institutions, Rajkot-360003 (Gujarat)</p> <p>³ Assistant Professor, Marwadi Education Foundation’s Group of Institutions, Rajkot-360003 (Gujarat)</p> <p>^{1, 2, 3} Electronics and Communication Department, Marwadi Education Foundation’s Group of Institutions, Rajkot-360003 (Gujarat)</p> <p><i>brita230892@gmail.com, anurag.lakhlani@marwadieducation.edu.in, preetymathuria@gmail</i></p> | 15-20 |

| | | |
|---|--|-------|
| 5 | <p>HOME APPLIANCE CONTROL AD-HOC NETWORK SYSTEM USING APP INVENTOR</p> <p>¹MAHESH JIVANI, ²SHARON PANTH</p> <p>¹ Department of Electronics, Saurashtra University, Kalawad Road, Rajkot, Gujarat ² Shree Virani Science Collage, Kalawad Road, Rajkot, Gujarat</p> <p><i>mnjivani@sauuni.ernet.in, Sharon.panth20@gmail.com</i></p> | 21-26 |
| 6 | <p>MICROGRIDS AND THE GRID INTERACTION</p> <p>¹AMI R. PANDYA, ² BEENA M. BAMBHANIYA</p> <p>^{1,2} GOVERNMENT ENGINEERING COLLEGE, BHAVNAGAR-364001</p> <p><i>ami123_pam@yahoo.co.in, binabambhaniya@yahoo.com</i></p> | 27-32 |
| 7 | <p>APPLICATION OF CLASSICAL PROPOSITIONAL LOGIC AND THE CONSTRUCTIVISM OF INTUITIONISTIC PROPOSITIONAL LOGIC</p> <p>¹ C. RAMYA, ² K. BHUVANESWARI</p> <p>¹ Research Scholar in Mathematics, Mother Teresa Women's University, Kodaikanal, TamilNadu, India. ² Associate Professor and Head, Department of Mathematics, Mother Teresa Women's University, Kodaikanal, TamilNadu, India.</p> <p><i>¹ kramya019@gmail.com, ² drkbmaths@gmail.com</i></p> | 33-37 |
| 8 | <p>A STUDY ABOUT SOME OF THE AXIOMS INTRODUCED AND APPLIED IN INTUITIONISTIC PREDICATES LOGIC</p> <p>¹ C. RAMYA, ² K. BHUVANESWARI</p> <p>¹ Research Scholar in Mathematics, Mother Teresa Women's University, Kodaikanal, TamilNadu, India. ² Associate Professor and Head, Department of Mathematics, Mother Teresa Women's University, Kodaikanal, TamilNadu, India.</p> <p><i>¹ kramya019@gmail.com, ² drkbmaths@gmail.com</i></p> | 38-41 |
| 9 | <p>WIRELESS APPLICATION FOR SHORT DISTANCES: BLUETOOTH</p> <p>PORE GEETANJALI M.</p> <p>Department of Electronics & Communication Engg. Jodhpur National University, Jodhpur, Rajasthan.</p> <p><i>geetanjalikawalkar@gmail.com</i></p> | 42-47 |

| | | |
|----|--|-------|
| 10 | <p>ENHANCED MARKOV RANDOM FIELD (HMRF) ALGORITHM FOR SEGMENTING THE SONAR IMAGES</p> <p>¹ <i>MRS K.S.JEEN MARSELINE</i>, ² <i>DR.C.MEENA</i></p> <p>¹ <i>Assistant Professor, Sri Krishna Arts & Science College, Coimbatore.</i> ² <i>Center Head, Avinashilingam institute for home Science and Higher education for Women, Coimbatore.</i></p> <p>¹ <i>jeenatkrishna@gmail.com</i>, ² <i>cccmeena@gmail.com</i></p> | 48-52 |
| 11 | <p>DEVELOPMENT AND HARDWARE TESTING OF AN INVERTER FOR PHOTOVOLTAIC SYSTEM</p> <p>¹ <i>SACHINKUMAR A. PATEL</i>, ² <i>PROF. K.B.SHAH</i></p> <p>¹ <i>Student, Department of Electrical Engineering, SPCE, Visnagar, Gujarat, India</i> ² <i>Assistant Professor, Department of Electrical Engineering, SPCE, Visnagar, Gujarat, India</i></p> <p>¹ <i>sachinpatel65@yahoo.com</i>, ² <i>kaumil_55@yahoo.com</i></p> | 53-57 |
| 12 | <p>STUDY OF MAXIMUM POWER POINT TRACKING ALGORITHMS AND IDENTIFICATION OF PEAK POWER USING COMBINED ALGORITHM FOR PHOTOVOLTAIC SYSTEM</p> <p>¹ <i>CHETAN HATKAR</i>, ² <i>ROHAN HATKAR</i></p> <p>¹ <i>M.E In VLSI & Embedded System, Dr. D. Y. Patil College Of Engineering Ambi, Pune</i> ² <i>B. E. Electrical, AMGOI, Vathar, Kolhapur</i></p> | 58-63 |
| 13 | <p>DIGITAL MARKETING IN SMEs OF NCR THE NEW ERA OF WEB-TECHNOLOGY ASSISTED MARKETING.</p> <p>¹ <i>SAKET MATHUR</i>, ² <i>SANDHYA HEDA</i>, ³ <i>VAIBHAV KHANNA</i></p> <p>¹ <i>Director, Swarup College of Management and Technology, Nimoria Road, Chaksu, Jaipur, Rajasthan</i> ² <i>Research Scholar, MJRP University Jaipur, Rajasthan</i> ³ <i>Assistant Professor Dezyne E'cole College, Civil lines, Ajmer, Rajasthan</i></p> <p>¹ <i>info@scmtindia.org</i>, ² <i>sandyjaipur@yahoo.com</i>, ³ <i>vaibhavajmer@yahoo.com</i></p> | 64-70 |
| 14 | <p>MODELING OF WATER LOGGING IN AN IRRIGATION COMMAND</p> <p>¹ <i>HEMA R.PARMAR</i>, ² <i>DR. P.K. MAJUMDAR</i>, ³ <i>DR. N.D. SHAH</i></p> <p>¹ <i>P.hd (pesuing) civil (WRM) from Charusat University, Changa.</i> ² <i>BE(civil), ME(WRD), PhD(civil) Adama Science and Technology Institute Adama, Oromiya ETHOPIA.</i> ³ <i>Principal of Faculty Of Technology and Engg. Charusat University, Changa.</i></p> <p><i>hemavanar@gmail.com</i></p> | 71-80 |

| | | |
|----|---|-------|
| 15 | OPTIMIZATION OF WAX TANK PARAMETER TO IMPROVE THE QUALITY OF WAX PATTERN <i>¹ HARSHIT P. BHAVSAR, ² DR. AJAY KUMAR KAVITI</i> ¹ Student of Sagar Institute of Science & Technology, Gandhinagar, Bhopal. ² H.O.D. Mechanical Engineering Dept., Sagar Institute of Science & Technology, gandhinagar, Bhopal. <i>bhavsar_harshit80@yahoo.com</i> | 81-86 |
| 16 | A STUDY ON THE USE OF RECYCLED AGGREGATES IN CONCRETE <i>¹ PRAVEEN JYOTI, ² SHRIKANT M. K.</i> ¹ Assistant Professor, ² Assistant Professor, Department of Civil Engineering Tontadarya College of Engineering Gadag-582101, Karnataka, India. <i>¹ praveencv32@gmail.com, ² srikanthmkcivil@gmail.com</i> | 87-91 |
| 17 | QUALITY OF INDUSTRIAL AND MUNICIPAL SOLID WASTES AROUND MACHENAHALLI INDUSTRIAL AREA NEAR BHADRAVATHI CITY SHIMOGA DISTRICT, KARNATAKA, INDIA <i>¹ K. LOKESH, ² SHIVAYOGI C. PATIL</i> ¹ Professor, ² Assistant Professor, Department of Civil Engineering, Tontadarya College of Engineering, Gadag-582101, Karnataka, India <i>¹ drvrlm@gmail.com ² patil.shivayogi@gmail.com</i> | 92-95 |