

EDITORS-IN-CHIEF

Dr. G. R. KULKARNI

Principal, Kalol Institute of Technology & Research Centre(KITRC),
Kalol-382721.(GUJARAT).

Dr. N. N. JANI

Director, S. K. Patel Institute Of Management And Computer Studies, Gandhinagar, 382 023

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.Pameswara Rao, Guntur	Dr. Wayi Yue Japan
DR. Ved Vyas Dwivedi Changa	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 Patan	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 Wadhwan	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 Solani	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
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 Bangalore	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	Prof. Bhavin Sedani Rajkot	Prof. 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		

CONTENTS

Sr. no.	Title & Authors	Page Nos.
1	STEGANOGRAPHY, STEGANALYSIS AND OPTIMIZATION IN STEGANOGRAPHY: A SURVEY <i>¹ ANURADHA KASANDE, ² A. A. AGARKAR</i> <i>^{1,2} Department of IT, Sinhgad College of Engineering, University of Pune</i> <i>anu.kasande@gmail.com</i>	001-006
2	AN ENERGY-EFFICIENT VIRTUAL ENERGY-BASED ENCRYPTION AND KEYING IN WIRELESS SENSOR NETWORKS <i>¹ VEERANJANEYULU G, ² SHILPA K</i> <i>¹ Research Schaller, Dept of Computer Science, Acharya Nagarjuna University, Guntur, India</i> <i>² Asst.Prof, Depart of computer science and engineering, SWCET, Khairatabad, Hyderabad.</i> <i>gv_ganipisetty@rediffmail.com, sskarre@yahoo.com</i>	007-015
3	AN EXPERIMENTAL STUDY ON THE EFFECT OF EXHAUST GAS RECIRCULATION ON OPERATING PARAMETERS OF DIESEL-CNG DUAL FUEL ENGINE WITH HYDROGEN ADDITION <i>¹ SRIDHARA REDDY, ² MAHESWAR DUTTA, ³ K.VIJAYA KUMAR REDDY, ⁴ A.SIVAKUMAR</i> <i>¹ Associate Professor, M.E. Department, J B Institute of Engineering & Technology, Moinabad, RR District, A.P. India</i> <i>² Principal, MNR College of Engineering and Technology, MNR Nagar, Medak,, A.P. India</i> <i>³ Professor, Mechanical Engineering Department, JNTUH,Kukatpally, Hyderabad, A.P. India</i> <i>⁴ Head, Mechanical Engineering Dept., MLRIT, Dundigal, Hyderabad, A.P.</i> <i>sridharkistapur@gmail.com,</i>	016-022
4	AN EXPERIMENTAL STUDY ON VALIDATION OF COMBINATORIAL ALLOCATION IN CLOUDCOMPUTING ENVIRONMENT <i>¹ N.SRINIVASI, ² M.VENKATESWARARAO, ³ L.VIJAY KUMAR</i> <i>¹ Assoc. Prof-CSEDEPT, Vignana Bharathi Institute of Technology, Aushapur, Ghatkesar, R.R Dist-501301, AP, India</i> <i>² Assoc. Prof-CSIT DEPT, Vignana Bharathi Institute of Technology, Aushapur, Ghatkesar, R.R Dist-501301, AP, India</i> <i>³ Assoc. Prof & Head-CSE DEPT, Vijaya Krishna Institute Of Technology And Sciences, palamakula (V), Shamshabad(M), R.R.District-509325</i> <i>srinivas_sesha@yahoo.com,venkat2m2@gmail.com, ledallavijay@gmail.com</i>	023-028

5	<p>THE STUDY AND COMPARISON OF QUALITY MANAGEMENT SYSTEM AND ENVIRONMENTAL MANAGEMENT SYSTEM IN SMALL AND MEDIUM ENTERPRISES</p> <p>¹ <i>GANGADHAR RAMU CHAVAN</i>, ² <i>PROF. DR. NAGARAJA NAIK</i></p> <p>¹ Programmer, PG Library, Manasagangothri, University of Mysore Mysore, Karnataka, India ² DOS in Chemistry, University of Mysore, Manasagangothri, Mysore, Karnataka, India</p> <p><i>chavan2002@yahoo.com , drnaik_chem@yahoo.co.in</i></p>	029-035
6	<p>ESTIMATION OF CURVE NUMBER FOR ASANA RIVER BASIN USING REMOTE SENSING AND GIS</p> <p>¹ <i>G.T.CHANDANAKAR</i>, ² <i>M.L. WAIKAR</i>,</p> <p>¹ Department of Civil Engineering, International Center of Excellence in Engineering and Management, Waluj, Aurangabad- Maharashtra, India. ² Department of Civil and Water Management Engineering, Shri Guru Gobind Singhji Institute of Technology & Engineering, Vishnupuri, Nanded-431606, Maharashtra, India.</p> <p><i>ganeshchandankar@gmail.com, mlwaikar@yahoo.com</i></p>	036-040
7	<p>HYDRO-MAGNETIC FLOW PAST A STRETCHING POROUS PLATE WITH A POWER-LAW VELOCITY DISTRIBUTION</p> <p><i>D.K.PHUKAN</i></p> <p><i>Principal / D.D.O., Demow college, Demow, Sivasagar, Assam, India-785 662</i></p> <p><i>drdevakanta@yahoo.com</i></p>	041-046
8	<p>INFLUENCE OF CRITICAL PARAMETERS ON FLOW PAST A SEMI INFINITE VERTICAL PLATE</p> <p>¹ <i>DR. J. V. RAMANA MURTHY</i>, ² <i>S. P. V. N. D. SUMALATHA</i>, ³ <i>DR. CH. V. RAMANA MURTHY</i>, ⁴ <i>DR. P. HARI PRASAD</i></p> <p>¹ Dept of Mathematics, National Institute of Tech, Warangal – 506 004(A. P) ² Dept of Mathematics, Andhra Loyola Institute of Engineering & Technology, Vijayawada – 520 008 (A. P) INDIA ³ Dept of Mathematics, Sri Vasavi Institute of Engineering & Technology, Nandamuru – 521 369 (A. P) INDIA ⁴ Dept of Mathematics, K. L. University, Vaddeshwaram – 522 502(INDIA)</p> <p><i>drchvr@gmail.com</i></p>	047-054
9	<p>MUTUAL CAPACITATIVE TACTILE SENSOR FOR 3D IMAGE CONTROL</p> <p>¹ <i>VAIDEHI A. DIXIT</i>, ² <i>Dr. GANESH S. SABLE</i></p> <p>^{1,2} Department of Electronics Engineering, Savitribai Phule Womens Engineering college, Bamu University, Aurangabad, Maharashtra, India.</p> <p><i>Vaidehi.dixit63@gmail.com , sable.eesa@gmail.com</i></p>	055-062

10	<p>ADAPTED ALGORITHM FOR SPECKLE NOISE REDUCTION FOR FEATURE EXTRACTION AND TISSUE CHARACTERIZATION FROM MEDICAL ULTRASOUND IMAGES</p> <p>¹ <i>KINITA B VANDARA</i>, ² <i>DR.G.R.KULKARNI</i></p> <p>¹ Research Scholar, Department of Electronics and Communication, Shri J.J.T.University, Vidyanagari, Jhunjhunu, Rajasthan ² PRINCIPAL, Kalol Institute of Technology & Research Centre, Kalol-382721.(GUJARAT)</p> <p><i>kinitawandra.er@gmail.com ,grkulkarni29264@rediffmail.com</i></p>	063-069
11	<p>VOICE OVER AIR</p> <p><i>ADITI WABLE</i></p> <p>Department of Electronics Engineering, S.P.W.E.C, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad-431003, Maharashtra, India.</p> <p><i>adu.wable@gmail.com</i></p>	070-077
12	<p>EXPERIMENTAL INVESTIGATIONS ON WIRE SELECTION AND PARAMETRIC CONTROL FOR MACHINING WITH WEDM</p> <p>¹<i>PERLA SREENIVASA RAO</i>, ²<i>CH.V.S.PARAMESWARARAO</i>, ³<i>K.RAVINDRA</i>,</p> <p>¹Research Scholar, SVU, Gajraula, ²Prof., PBR VITS, Kavali-524201, ³Dean, RVR&JC College of Engg, Guntur-522001,</p> <p><i>anjupsrao@gmail.com, cp Rao66@yahoo.co.in, ravindra.kom@gmail.com</i></p>	078-082
13	<p>MODIFYING IMAGE APPEARANCE FOR IMPROVEMENT IN INFORMATION GAINING FOR COLOUR BLINDS</p> <p>¹ <i>PROF.D.S.KHURGE</i>, ² <i>BHAGYASHREE PESWANI</i></p> <p>¹ Prof, Department of Electronics and Communication, L.J. Institute of Technology, Ahmedabad ² PG student, ME Department of Electronics and Communication, L.J.Institute of Technology, Ahmedabad</p> <p><i>bhagyashreec91@gmail.com</i></p>	083-087
14	<p>SUPPLY CHAIN MANAGEMENT OF DOWNSTREAM RETAIL OIL AND GAS PRODUCTS – IMPERATIVES FOR NEXT GENERATION E-GAS STATION</p> <p>¹ <i>ARVIND ANKALIKAR</i>, ² <i>DR. S .S. MANTHA</i></p> <p>¹ Department of Mechanical Engineering, Sardar Patel College of Engineering, Mumbai 400058 ² Chairman, AICTE – NEW DELHI , Department of Mechanical Engineering, Sardar Patel College of Engineering, Mumbai 400058</p> <p><i>amankalikalikar@rediffmail.com</i></p>	088-094

15	DESIGN A MICROSTRIP PATCH ANTENNA FOR GLOBAL POSITIONING SYSTEM (GPS) APPLICATIONS <i>¹ KINJAL V. PATEL, ² PROF. BHAGWAT KAKDE, ³ PROF. KUNAL MODH</i> ¹ P.G.Student, Department of Electronics & Communication Engineering, RKDF Institute of Science & Technology, Rajiv Gandhi Technological University, Bhopal ² Faculty, Department of Electronics & Communication Engineering, RKDF Institute of Science & Technology, Rajiv Gandhi Technological University, Bhopal ³ Faculty, Department of Electronics and Communication Engineering, Hasmukh Goswami College of Engineering, Gujarat Technological University, Ahmedabad, Gujarat, India <i>kinjalec229@gmail.com, bhagwatkakde@yahoo.co.in, kunal.modh@hgce.org</i>	095-098
16	EVOLUTION OF SHA-192 ALGORITHM WITH MODIFIED EXPANSION TO INCREASING SECURITY AND EFFICIENCY <i>¹ TANU PATEL, ² DAMODAR PRASAD TIWARI</i> ¹ M.Tech Scholar . CSE Dept. BIST, Bhopal(M.P) ² Prof. CSE Dept., BIST, Bhopal (M.P) <i>damodarptiwari21@gmail.com, tanu.patel85@gmail.com</i>	099-106