

## **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. Durga Prasad Sharma, Jaipur	Dr. N. Yadiah Hyderabad	Dr. V. Charles Mysore	Dr. Tee Hiang Chang Singapore
Dr.R.Asokan Perundurai	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 Bhargava, 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

## CO- Editor

**PROF. NARPATSINGH SHEKHAWAT, BIKANER**  
**DR. NEERAJ BHARGAVA, AJMER**

**INDEX**

Sr. No.	Title & Authors	Page Nos.
1.	<p><b>A REVIEW OF DENIAL OF SERVICE (DOS) ATTACKS IN WIRELESS AD HOC NETWORKS AND ITS COUNTERMEASURES</b></p> <p><i><sup>1</sup>LOKHANDI S.N., <sup>2</sup>DR. KHAMITKAR S.D. ,<sup>1</sup>MEKEWAD S.R.</i></p> <p><sup>1</sup> Assistant Prof, School of Computational Sciences,SRTM University, Nanded (MS)  <sup>2</sup> Associate Prof, School of Computational Sciences,SRTM University, Nanded (MS)  <b>India</b></p>	001-005
2.	<p><b>PATHOLOGY OF TREES, TREE SEARCHES &amp; THEIR COMPUTATIONAL COMPLEXITIES</b></p> <p><i><sup>1</sup> PARAG BHALCHANDRA, <sup>2</sup> DR.S.D.KHAMITKAR, <sup>3</sup> S.N.LOKHANDI</i></p> <p>School of Computational Sciences, S.R.T.M.University, Nanded, MS, India, 431606.</p>	006-013
3.	<p><b>PERFORMANCE IMPACT OF THE USER ATTEMPTS ON FINGERPRINT RECOGNITION SYSTEM (FRS)</b></p> <p><i><sup>1</sup>DR. NEERAJBHARGAVA, <sup>2</sup>DR. RITUBHARGAVA, <sup>3</sup>MANISH MATHURIA, <sup>4</sup>MINAXI COTIA</i></p> <p><sup>1</sup>Associate Professor, Department of Computer Science, School of Engineering &amp; Systems Sciences, MDS University Ajmer, Rajasthan, India  <sup>2</sup>Lecturer, Department of MCA, Government Woman's Engineering College Ajmer, Rajasthan, India  <sup>3</sup>Department of Computer Engineering &amp; Information Technology, Government Engineering College Ajmer, Rajasthan, India  <sup>4</sup>Department of Computer Science, School of Engineering &amp; Systems Sciences, MDS University Ajmer, Rajasthan, India</p>	014-020
4.	<p><b>FRAMEWORK FOR DESIGNING WEB SERVICES</b></p> <p><i><sup>1</sup>MR. G. M. TERE, <sup>2</sup> PROF. B. T. JADHAV, <sup>3</sup> PROF. R. R. MUDHOLKAR</i></p> <p><sup>1</sup>Ph.D. Student, Department Of Computer Science, Shivaji University, Kolhapur, Maharashtra - 416004  <sup>2</sup>Professor, Department of Electronics &amp; Computer Science, Y.C. Institute of Science, Satara, Maharashtra – 415001  <sup>3</sup>Professor, Department of Electronics, Shivaji University, Kolhapur, Maharashtra - 416004</p>	021-026
5.	<p><b>AN INTRODUCTION TO AI, EXPERT SYSTEMS AND EXPERT SYSTEMS IN MEDICINE</b></p> <p><i>PROF. DHWANIR P. SHAH</i></p> <p>Senior Lecturer, Xavier Institute of Computer Applications, Ahmedabad, India</p>	027-031
6.	<p><b>APPRECIABLY IMPACT FEATURES TO PLAN AND IMPLEMENTATION OF MOBILE COMPUTING</b></p> <p><i><sup>1</sup>MR. JIGNESH M. PATEL</i></p> <p>Ph.d [Computer Science] Research Scholars, Mewar University, Chittorgarh (Rajasthan)</p>	032-036

**INTERNATIONAL JOURNAL OF COMPUTER APPLICATIONS IN ENGINEERING, TECHNOLOGY AND SCIENCES (IJ-CA-ETS)**

7.	<p><b>3C: CUSTOMIZED CASCADED CRYPTOGRAPHY</b></p> <p><i><sup>1</sup> HARSHIKA.RANA, <sup>2</sup> PANKAJ.L.VAISHNAV</i></p> <p><sup>1</sup>MCA Student, Department Of Master of Computer Application College Of Parul Institute of Engineering And Technology, Vadodara, Gujrat, India.  <sup>2</sup>MCA Student, Department Of Master of Computer Application College Of Parul Institute of Engineering And Technology, Vadodara, Gujrat, India</p>	037-040
8.	<p><b>A BRIEF REVIEW OF MACHINE LEARNING TECHNIQUES FOR FORECASTING</b></p> <p><i><sup>1</sup> DARSHANA D. CHANDE, <sup>2</sup> PROF. M.VIJAYALAKSHMI</i></p> <p><sup>1</sup>M.E.[Information Technology] Student, Information Technology Department, V.E.S.I.T Chembur, Mumbai, Maharashtra  <sup>2</sup> Professor And HOD, Information Technology Department, V.E.S.I.T Chembur, Mumbai, Maharashtra</p>	041-046
9.	<p><b>IMPROVED IMAGE CRYPTOSYSTEM USING CHAOS-LOGISTIC SYSTEM</b></p> <p><i><sup>1</sup> MR. LOKESH P. GAGNANI, <sup>2</sup> PROF. PREETI DAVE</i></p> <p><sup>1</sup>M.E. [Information Technology] Student, Department Of Information Technology, Shantilal Shah Engineering College, Bhavnagar, Gujarat  <sup>2</sup> Asst. Professor, Department Of Electronics &amp; Communication Engineering, Shantilal Shah Engineering College, Bhavnagar, Gujarat</p>	047-053
10.	<p><b>DETECTION OF UNATTENDED OBJECT BY VIDEO ANALYSIS</b></p> <p><i><sup>1</sup> PROF. H.K. KAURA, <sup>2</sup> PRERANA GUPTA, <sup>3</sup> VASUNDHARA MANE, <sup>4</sup> SUNNY CHOWDHARI, <sup>5</sup>ASHISH DASS</i></p> <p>Department Of Information Technology, Fr. C.R. Institute of Technology, Vashi, Maharashtra</p>	054-057
11.	<p><b>AN INTELLIGENT MOBILE ADVERTISEMENT SYSTEM</b></p> <p><i>VRINDA BHAMARE<sup>1</sup>, ANUJA DESHPANDE<sup>2</sup>, POURNIMA SHINDE<sup>3</sup>, PROF.S.M.SANGVE<sup>4</sup></i></p> <p><sup>1,2,3</sup> Student Compt. Dept., ZES's Dnyanganga College Of Engg And Research,, Pune  <sup>4</sup>Assistant Professor And HOD Computer Department, ZES's DCOER, Pune</p>	058-062
12.	<p><b>DATA LEAKAGE DETECTION</b></p> <p><i>NIKHIL CHAWARE<sup>1</sup>, PRACHI BAPAT<sup>2</sup>, RITUJA KAD<sup>3</sup>, ARCHANA JADHAV<sup>4</sup>, PROF.S.M.SANGVE<sup>5</sup></i></p> <p><sup>1,2,3,4</sup>Student Computer Department,ZES's DCOER,Pune  <sup>5</sup>Assistant Professor and HOD Computer Department,ZES's DCOER,Pune</p>	063-064
13.	<p><b>INTELLIGENT VIDEO SURVEILLANCE: CONCEPTS, REVIEW, AND OPEN ISSUES</b></p> <p><i><sup>1</sup> PROF. J.R.MANGROLIA, <sup>2</sup> DR. N.C.CHAUHAN</i></p> <p><sup>1</sup> Asst. Professor, Department of Information Technology, A.D. Patel Institute of Technology, New V.V.Nagar  <sup>2</sup> Asso. Professor, Department of Information Technology, A.D. Patel Institute of Technology, New V.V.Nagar</p>	065-067

**INTERNATIONAL JOURNAL OF COMPUTER APPLICATIONS IN ENGINEERING, TECHNOLOGY AND SCIENCES (IJ-CA-ETS)**

---

<b>14.</b>	<b>HYBRID RECOMMENDER SYSTEMS: SURVEY AND EXPERIMENTS</b>  <i><sup>1</sup> PROF. VIPUL VEKARIYA, <sup>2</sup> DR.G.R.KULKARNI</i>  <sup>1</sup> Research Scholar, Computer science and Engineering Department, Suresh Gyanvihar University,Jaipur. <sup>2</sup> PRINCIPAL, Kalol Institute of Technology & Research Centre, Kalol- 382721.(GUJARAT)	068-073
<b>15.</b>	<b>PACKET LOSS CONTROL USING TOKENS AT THE NETWORK EDGE</b>  <i><sup>1</sup> K.K. NIKHIL, <sup>2</sup> G. SUNIL SANTHOSH KUMAR</i>  <sup>1,2</sup> ASST. PROFESSOR,CSE DEPARTMENT, AVR & SVR CET	074-079
<b>16.</b>	<b>IMPLEMENTATION OF SECURITY SERVICES BY USING SLA IN MULTICLOUD COMPUTING</b>  <i><sup>1</sup>S.SHANAWAZ BASHA <sup>2</sup>A.D.SIVARAMA KUMAR</i>  <sup>1</sup> Assistant Professor, AVSV Engineering College of JNTUA, Dept.CSE <sup>2</sup> M.Tech Student, AVSV Engineering College of JNTUA, Dept.CSE	080-086