

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

(ISSN: 0974-3596 | April '11 – Sept '11 | Volume 3 : Issue 2)

EDITORS-IN-CHIEF

Dr. G. R. KULKARNI

Principal, C. U. Shah College of Engineering & Technology, Wadhwan City. (India)

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. Yadhiah 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 Tiruchirapalli	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. Mujum- dar, 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

CONTENTS

Sr. No.	Title & Authors	Page Nos.
1.	ANALYSIS OF CLASSIFIER SYSTEMS FOR DIAGNOSIS OF DIABETIC RETI-NOPATHY <i>¹AMOL P. BHATKAR, ²DR. G. U. KHARAT,</i> ¹ Lecturer, Anuradha Engineering College, Chikhli ² Principal, Sharadchandra Pawar College Of Engineering, Otur <i>apbhatkar@rediffmail.com, gukharat@rediffmail.com</i>	001 - 005
2.	DEVELOPMENT OF ICT BASED “AGRIPROPAF” FOR RURAL ENVIRONMENT: DREAMS AND REALITIES FOR INDIAN AGRICULTURE SECTOR <i>¹SANSKRUTI PATEL, ²PRANAV DESAI, ³ATUL PATEL</i> ¹ Lecturer, Faculty Of Computer Science & Applications, Charusat, Changa ² Assistant Professor, Faculty Of Technology & Engineering, Charusat, Changa ³ Associate Professor, Faculty Of Computer Science & Applications, Charusat, Changa <i>sanskrutipatel.mca@charusat.ac.in, pranavdesai.adm@charusat.ac.in, atulpa-tel.mca@charusat.ac.in</i>	006 - 010
3.	ANALYSIS OF SIGN LANGUAGE RECOGNITION SYSTEMS <i>¹RAJESH B. MAPARI, ²DR. G. U. KHARAT</i> ¹ Lecturer, Electronics & Teleco. Department, Anuradha Engineering College, Chikhli. ² Principal, Sharadchandra Pawar College Of Engineering, Otur. <i>rajesh_mapari2001@yahoo.com, gukharat@rediffmail.com</i>	011 - 014
4.	A COMPARATIVE STUDY OF CLASSICAL AND PARTICLE SWARM OPTIMI-ZATION BASED DIRECT TORQUE CONTROL OF INDUCTION MOTOR <i>¹C.K.PONNUSAMY, ²PROF.P. MADASAMY.M.E,</i> ¹ PG Scholar, ACCET, Karaikudi, Tamilnadu ² Assistant Professor Of EEE, ACCET, Karaikudi, Tamilnadu <i>ckp_be@yahoo.com, priyamads09@yahoo.com</i>	015 – 020
5.	A COMPARATIVE STUDY OF PCA AND SOM BASED FEATURE SELECTION TECHNIQUES FOR OUTLIER DETECTION <i>¹NARESH KUMAR NAGWANI, ²DR. SHRISH VERMA</i> ¹ National Institute Of Technology Raipur Assit Prof, Dept Of Computer Sc. & Engg, ² National Institute Of Technology Raipur Associate Professor, Department Of E&Tc, <i>nknagwani.cs@nitrr.ac.in, shrishverma@nitrr.ac.in</i>	021 - 028

6.	<p>ANALYSIS OF VISUAL SURVEILLANCE SYSTEM</p> <p>¹<i>MOIZ A. HUSSAIN, ²DR. G. U. KHARAT,</i></p> <p>¹ <i>Lecturer Anuradha Engineering College, Chikhli</i> ² <i>Principal Sharadchandra Pawar College Of Engineering, Otur</i></p> <p><i>mymoiz2004@yahoo.co.in, gukharat@rediffmail.com</i></p>	029 – 035
7.	<p>EFFECT OF SPECIFIC ABSORPTION RATE IN MOBILE COMMUNICATION: AN ENVIRONMENT POLLUTION ISSUE A REVIEW</p> <p>¹<i>DR. GAJANAN. G. SARATE, ²DR. VIJAY R. MANKAR, ³DR. PRAHSANT. R. DESHMUKH</i></p> <p>¹ <i>Lecturer, Electronics & Tc. Department, Govt. Polytechnic, Amravati. (Ms)</i> ² <i>HOD, Electronics & Tc. Department, Govt. Polytechnic, Amravati. (Ms)</i> ³ <i>Lecturer, Electronics & Tc, Department, Dr. P. D. Polytechnic, Amravati. (Ms)</i></p> <p><i>ggsanshu@gmail.com, vr_mankar@rediffmail.com, pr_deshmukh@yahoo.com</i></p>	036 – 039
8.	<p>TOWARDS CLOUD COMPUTING – SECURITY ISSUES AND CHALLENGES</p> <p>¹<i>P.ANANTHI, ²DR.P.BALASUBRAMANIE</i></p> <p>¹ <i>Assistant Professor, Department Of Ct-Pg, Kongu Engineering College, Perundurai,</i> ² <i>Professor, Department Of Computer Science And Engineering, Kongu Engineering College, Perundurai, Tamil Nadu.</i></p> <p><i>ananthiparth@gmail.com , pbalu_20032001@yahoo.co.in</i></p>	040 – 044
9.	<p>EVALUATION OF PERFORMANCE OF ULTRA-WIDEBAND SIGNALS IN NOISY ENVIRONMENT FOR VARIOUS WIRELESS APPLICATIONS</p> <p>¹ <i>N.S. MURTHY SHARMA, ² S.SRINIVAS, ³ CH.SRIDEVI</i></p> <p>¹ <i>SV Institute Of Engineering And Technology, Moinabad(M), R.R.Distt.501504, A.P</i> ² <i>SV College Of Engineering And Technology, , Moinabad(M), R.R.Distt.501504, A.P,</i> ³ <i>Bonam Venkata Chalamiah Engg College Odalarevu, Amalapuram 533210,A.P, India.</i></p> <p><i>nms2010@ieee.org,yessrinivas@gmail.com,chavakula_sridevi9@yahoo.com,</i></p>	045 – 050
10.	<p>EXPOSURE TO NETWORK ANALYSIS OF FREEBSD USING DUMMYNET (IPFW) AND ALTQ (PACKET FILTER)</p> <p>¹<i>VEERANJANEYULU G, ²DR. PREMCHAND P</i></p> <p>¹ <i>Associate Professor, Department Of Information Technology, Tkr College Of Engineering & Technology Technology, Medbowli, Saroor Nagar, Hyderabad,Ap.</i> ² <i>Professor, Dept Of Computer Science & Eng, Osmania University, Hyderabad, Ap.</i></p> <p><i>gv_ganipisetty@rediffmail.com, drpremchnd_p@yahoo.com</i></p>	051 - 055

11.	<p>ALTERNATIVE GENERATION FOR PERSONAL EXPENDITURE TRACKING (PET)</p> <p><i>¹SUMITRA MALLICK, ²DR. MAHIL CARR, ³DR. B. B. JAYASINGH</i></p> <p>¹ Asst. Prof, IT Dept., Guru Nanak College Of Engineering, Ibrahimpatan (M), Rr Dist-501506, Ap (India). ² Associate Professor, IDRBT ,Castle Hills,Road No.1, Masab Tank, Hyderabad – 500057(India) ³ Professor, IT Dept., CVR College Of Engineering, Mangalpally, Ibrahimpatan(M), Rr Dist-501510, Ap (India)</p> <p><i>sumi- tra_mallick2008@rediffmail.com,mahilcarr@idrbt.ac.in,bbjayasingh9@rediffmail.com</i></p>	056 – 061
12.	<p>RESEARCHING WEB APPLICATION PERFORMANCE TESTING ACTION POINTS</p> <p><i>¹MANISH RAJENDRA DHOTE, ²DR. G. G. SARATE</i></p> <p>¹ Principal Member Of Technical Staff, Cisco Systems, Inc Research And Development Division: Mobile Internet Technology Group, Pune, India ² Lecturer (Sl.Grd.), Electronics & Telecommunication, Government Polytechnic Amravati</p> <p><i>edhote@yahoo.com</i></p>	062 – 065
13.	<p>RESEARCHING EFFECTIVE METHOD FOR SERVICE ORIENTED PRODUCT PERFORMANCE TESTING</p> <p><i>¹MANISH RAJENDRA DHOTE, ²DR. G. G. SARATE</i></p> <p>¹ Principal Member Of Technical Staff, Cisco Systems, Inc Research And Development Division: Mobile Internet Technology Group, Pune, India ² Lecturer (Sl.Grd.), Electronics & Telecommunication, Government Polytechnic Amravati</p> <p><i>edhote@yahoo.com</i></p>	066 – 070
14.	<p>A SIMPLE APPROACH OF THE NUMERICAL RELAY LEARNING INCLUDING TESTING AND RESULT ANALYSIS</p> <p><i>¹PROF. KALPESH J. CHUDASAMA, ²UJJAVAL J.PATEL</i></p> <p>¹ Assistant Professor, Department Of Electricalengineereing, A.D.I.T, New V.V.Nagar, ² Lecturer, Department Of Electrical Engineereing, A.D.I.T, New V.V.Nagar, Gujarat</p> <p><i>kjc_jalpan@yahoo.co.in,ujjaval58@rediffmail.com</i></p>	071 – 076

15.	<p>HUMAN FACTORS AND EXPERT VIEWS BASED UI DESIGN</p> <p>¹<i>PROF. QAMAR ABBAS</i>, ²<i>.DR. RIZWAN BEG</i>, ³<i>.SHAHNAZ FATIMA</i></p> <p>¹ Prof. & Director Of Ambalika Institute Of Management Technology,Lucknow,India, ² Computer Science Department,Integral University Lucknow,India, ³ Amity University,Lucknow, India</p> <p><i>grat_abbas@yahoo.com,begrizwan@gmail.com,shahnazftm@gmail.com</i></p>	077 – 080
16.	<p>RAPID WEBSITE DEVELOPMENT TOOL</p> <p>¹ <i>MR. BHARAT R BURGHATE</i> , ² <i>MR. D. M. DAKHANE</i></p> <p>¹ Me Final Year Student, ² Asst. Professor Sipna’s College Of Engineering , Amravati (Mh)</p> <p><i>bharatburghate@gmail.com , ddakhane@gmail.com</i></p>	081 – 084
17.	<p>SECURITY A VITAL REQUISITE FOR THE MODERN ERA</p> <p>¹ <i>P. K. SAHOO</i>, ² <i>DR. R. K. CHOTTARAY</i>, ³ <i>DR. GUNAMANI JENA</i>, ⁴ <i>DR. B. B. JAYASINGH</i></p> <p>¹ Professor, Department Of IT, Ictew (O.U.), Chandryangutta, Hyderabad-500005, (Ap), ² Professor, Department Of Computer Science Engineering, Nit Rourkela, Orissa ³ Professor, Department Of Computer Science Engineering, Bvcec (Jntuk), Ap-533210, ⁴ Professor, Dept. Of It, CVR College Of Engineering, Ibrahimpatnam (M), Hyderabad</p> <p><i>s_pks@yahoo.com,rkc_ray@rediffmail.com,drgjena@ieee.org,bbjayasingh@rediffmail.com</i></p>	085 – 090
18.	<p>CHALLENGES IN PERFORMING AGILE WEB APPLICATION DEVELOPMENT PERFORMANCE TESTING</p> <p>¹<i>MANISH RAJENDRA DHOTE</i>, ²<i>DR. G. G. SARATE</i></p> <p>¹ Principal Member Of Technical Staff, Cisco Systems, Inc Research And Development Division: Mobile Internet Technology Group, Pune, India ² Lecturer (Sl.Grd.), Electronics & Telecom, Government Polytechnic Amravati</p> <p><i>edhote@yahoo.com</i></p>	091 – 094
19.	<p>STATIC HAND-GESTURE RECOGNITION USING NEURAL NETWORKS</p> <p>¹<i>ANISH A. SANGHVI</i></p> <p>¹ Student, Electronics And Telecommunication Department, Sardar Patel Institute Of Technology, Mumbai-400058, India.</p> <p><i>sanghvi.aa@gmail.com</i></p>	095 – 098

20.	<p>PROJECT MANAGEMENT LIFE CYCLE, TOOLS ANALYSIS & IMPLEMENTATION AT ATTUNE INFOCOM PVT. LTD., AHMEDABAD</p> <p>¹ DR. MAMTA BRAHMBHATT, ² PROF. NISARG JOSHI, ³ DR. HARISHCHANDRASINGH RATHOD, ⁴ PROF. RAHUL RAVAL, ⁵ ADITYA KOTAK</p> <p>¹ Associate Professor, MBA, SJPI- Formerly Known As National Institute Of Cooperative Management (Nim), Gandhinagar. ² Assistant Professor, MBA, SJPI- Formerly Known As National Institute Of Cooperative Management (Nim), Gandhinagar. ³ Associate Professor, MBA, SJPI- Formerly Known As National Institute Of Cooperative Management (Nim), Gandhinagar. ⁴ MBA Department, C. U. Shah College Of Engg. And Tech. Wadhwan - Surendranagar. ⁵ Business Analyst</p> <p><i>rahulraval@rediffmail.com</i></p>	099 - 103
21.	<p>RESEARCH CHALLENGES OF MULTI CORES IN BANKING CLOUD COMPUTING</p> <p>¹ NARPART SINGH SHEKHAWAT , ² PROF. A.K. SHARMA</p> <p>¹ Department Of Computer Science And Engineering, Govt Engineering College Bikaner, Rajasthan (India) ² University Of Rajasthan, Jaipur</p> <p><i>narpatsingh67@gmail.com, profaksharma@gmail.com</i></p>	104 – 108
22.	<p>FRAMEWORK FOR DESIGNING WEB BASED APPLICATIONS FOR DEVANAGARI AND GUJARATI LANGUAGES USING TRANSLATION MEMORY AND TRANSLITERATION</p> <p>¹ M.L. DHORE, ² S.K. DIXIT</p> <p>¹ Vishwakarma Institute Of Technology, Pune, India ² Walchand Institute Of Technology, Solapur, India</p> <p><i>manikrao.dhore@vit.edu, dixitsk1@yahoo.com</i></p>	109 - 113
23.	<p>SPEECH ENHANCEMENT USING COMBINATIONAL ADAPTIVE FILTERING TECHNIQUES</p> <p><i>T.BHAVANI , M. AJAY KUMAR, T. ANUSHA, G.V.S. KARTHIK, MD. ZIA-UR-RAHMAN</i></p> <p>Narasaraopeta Engineering College, Narasaraopeta-522601, A.P., India</p> <p><i>mdzr_5@ieee.org</i></p>	114 – 119

24.	<p>REMOTE STORAGE FOR MOBILE DEVICE</p> <p>¹ <i>PROF. RAJENDRA G. PAWAR</i>, ² <i>PROF. H.K. SAWANT</i></p> <p>¹ Mit College Of Engineering, Kothrud-Pune ² Bharati Vidyapeeth University , College Of Engineering, Pune</p> <p><i>rgpawar13@gmail.com, hksawant@bvucoep.edu.in</i></p>	120 – 122
25.	<p>A MATHEMATICAL MODEL FOR PREDICTING FRICTION FACTOR AND ITS RELATION WITH DISCHARGE AND SHEILD ENTRAINMENT FUNCTION USING AMBIKA RIVER DATA, INDIA</p> <p>¹ <i>B.R. ANDHARIA</i>, ² <i>PROF. (DR.) B.K.SAMTANI</i></p> <p>¹ Ph.D. Research Scholar, Corresponding Author, Civil Engineering Department, Sardar Vallabhbhai National Institute Of Technology, Surat, Gujarat - 395 007, India ² Prof. & Head, Civil Engineering Department, Sardar Vallabhbhai National Institute Of Technology, Surat, Gujarat - 395 007, India.</p> <p><i>andharia.bhoomi@gmail.com, samtanibk@yahoo.com</i></p>	123 – 128
26.	<p>SIMULATION, COMPARISON AND OBJECTIVE ANALYSIS OF AD-HOC NETWORK PROTOCOLS DSR AND AODV</p> <p>¹ <i>VISHAL P. TANK</i>, ² <i>MANTHAN S. MANAVADARIA</i></p> <p>¹ M.Tech. Student, Ec Department, L.D. College Of Engineering, Ahmedabad, Gujarat. ² M.Tech. Student, Ec Department, Cspit, Charusat, Changa, Gujarat.</p> <p><i>tankvishal@gmail.com, manthan_genious@yahoo.co.in</i></p>	129 – 134
27.	<p>PROTOTYPE TO ASSIGN JOBS TO COMPUTER PROGRAMMERS FOR MINIMIZING THE TOTAL TIME TO COMPLETE THE JOBS</p> <p>¹ <i>V.K.GUPTA</i>, ² <i>ARCHANA SHARMA</i></p> <p>¹ University Of Rajasthan, Jaipur ² Research Scholar, Nims University, Jaipur, India.</p> <p><i>vinodgupta602@gmail.com, adi_arch73@yahoo.co.in</i></p>	135 – 138
28.	<p>SIMPLE METHOD TO CHARACTERIZE SUPERCAPACITOR BY LABORATORY EQUIPMENTS</p> <p><i>SACHIN VRAJLAL RAJANI</i>,</p> <p>Student, M.Tech (Research), Department Of Electrical Engineering, Sardar Patel National Institute Of Technology, Surat, Gujarat, India</p> <p><i>sachin_3541@rediffmail.com</i></p>	139 – 143

29.	<p>IMPLEMENTING INTRUSION DETECTION SYSTEM USING GENETIC ALGORITHM AND PCA</p> <p><i>PROF.PAYEL GUPTA</i></p> <p>Lecturer, Computer Engineering Department, Pillai's Institute Of Information Technology, University Of Mumbai, Maharashtra</p> <p><i>payel.gupta@gmail.com</i></p>	144 – 148
30.	<p>QRS DETECTION IN SINGLE LEAD AND 12-LEAD ECG USING SUPPORT VECTOR MACHINE</p> <p>¹ R.R.NIKAM, DR. ² S A LADHAKE</p> <p>¹ Department Of EXTC, SIPNA'S COET, Amravati, India ² Prncpal Of Sipna's COET, Department Of EXTC, Amravati, India</p> <p><i>naysarashmi@gmail.com, s_ladhake@yahoo.com</i></p>	149 – 152
31.	<p>WEB TEXT EXTRACTION AND CLASSIFICATION USING VECTOR SPACE MODEL METHOD</p> <p>¹ MR. PURI G. D, ² PROF. GAWALI S. Z.</p> <p>¹ AVCOE, Sangamner, Ahamednagar, Ms,India. ² BVUCOE, Pune ,Ms, India.</p> <p><i>puriganeshengg@gmail.com, szgawali@gmail.com.</i></p>	153 – 157
32.	<p>DESIGN OF NONLINEAR SYSTEM WITH SATURATION - DETERMINING REQUIRED SIGNAL FOR APPLICATION AS ADDITIONAL INPUT</p> <p>¹R BAG, ²A DAS, ³D N TIBAREWALA</p> <p>¹ Head & Asst. Professor, Dept. Of CSE, Seacom Engineering College, Sankrail, Howrah-711302,Wb,India. ² Professor, And Head Of Dept. Of Electronics And Communication Engineering, Kalyani Govt. Engineering College, Nadia, Wb, India. ³ Professor Director, School Of Bio Science & Engineering, JU, WB, India.</p> <p><i>rajib.bag@gmail.com, achintya.das123@gmail.com, biomed_ju@yahoo.co.in</i></p>	158 – 162
33.	<p>DESIGN OF ACCURATE IMAGES USING GRAPHIC PROCESSING UNIT</p> <p>¹MR A V N KUMAR ²DR A GIRIDHAR ³DR N KALPALATHA ⁴DR R SIVARAM</p> <p>¹ Senior Software Engineer, Rapidgm, Usa ² Principal, Vemu Institute Of Technology, Chittor Dist, Ap, India ³ Librarian, Sree Padmavati Jurinor College, Tirupati, Ap, India ⁴ Principal, Amara Institute Of Engineering & Tech, Satuluru</p> <p><i>kumarakula@gmail.com, akulagiri2002@yahoo.com, latha_kalpana06@yahoo.com, dr.r.sivaram@gmail.com</i></p>	163 - 164

34.	<p>FUTURE TRENDS IN HUMAN – MACHINE INTERFACE</p> <p><i>¹PROF. DEVENDRA VASHI , ²PROF. KETAN R. PATEL</i></p> <p>¹ Assistant Professor, MCA Programme, Institute Of Technology, Nirma University Ahmedabad. ² Assistant Professor, MCA Programme, Nsvkms Mca College, Visnagar</p> <p><i>devendra.vashi@nirmauni.ac.in, ketan6599@yahoo.com</i></p>	165 – 168
35.	<p>CONCEPT OF CLOUD COMPUTING (CCC)</p> <p><i>¹PROF KETAN R. PATEL. , ²PROF. DEVENDRA VASHI</i></p> <p>¹ Assistant Professor, MCA Programme, Nsvkms Mca College, Visnagar. ² Assistant Professor, MCA Programme, Institute Of Technology, Nirma University Ahmedabad.</p> <p><i>ketan6599@yahoo.com, devendra.vashi@nirmauni.ac.in</i></p>	169 – 173
36.	<p>DEVELOPMENT OF PRIVATE KEY TECHNIQUE FOR SECURED DATA TRANSMISSION BASED ON MODULAR ARITHMETIC</p> <p><i>¹ SANJIT MAZUMDER, ² SUJOY DASGUPTA, ³ PROF. (DR) PRANAM PAUL</i></p> <p>^{1,2} Student, M. Tech. (Cse), Narula Institute Of Technology, Agarpara, West Bengal, ³ Computer Application, Narula Institute Of Technology, Agarpara, West Bengal,</p> <p><i>sanjit_mazumder@rediffmail.com, sujoy.612@gmail.com, pranam.paul@gmail.com</i></p>	174 – 176
37.	<p>DEVELOPMENT OF PRIVATE KEY TECHNIQUE TO ENSURE INFORMATION SECURITY BASED ON SQUARE CALCULATION</p> <p><i>¹SUJOY KUMAR DASGUPTA, ²SANJIT MAZUMDE R, ³PROF. (DR) PRANAM PAUL</i></p> <p>^{1,2} Student, M. Tech. (Cse), Narula Institute Of Technology, Agarpara, West Bengal, ³ Computer Application, Narula Institute Of Technology, Agarpara, West Bengal,</p> <p><i>Sujoy.621@Rediffmail.Com, Sanjit_Mazumder@Rediffmail.Com, Pranam.Paul@Gmail.Com</i></p>	177 – 178
38.	<p>EFFECTIVE VLSI ARCHITECTURE FOR DISCRETE WAVEELET TRANSFORM</p> <p><i>¹ PROF. SONALI R.TAVLARE , ² PROF.P.R.DESHMUKH</i></p> <p>^{1,2}SIPNA'S COLLEGE OF ENGG. AND TECHNOLOGY, AMRAVATI.</p> <p><i>sonali1608@gmail.com, pr_deshmukh@yahoo.com</i></p>	179 – 186

39.	<p>CELLPHONE OPERATED ROBOTIC CAR</p> <p>¹ MICHAEL D'PENHA, ² AMIT BAJAJ, ³ SAGAR MAVANI, ⁴ AWAB FAKIH, ⁵ MR. NITIN AHIRE.</p> <p>XAVIER INSTITUTE OF ENGINEERING, MUMBAI</p> <p><i>michael_dpenha@yahoo.co.in, amitbajaj690@gmail.com, mavani_sagar@hotmail.com, ,awaabfakih@yahoo.co.in</i></p>	187 – 190
40.	<p>KEY FRAME EXTRACTION FROM UNCOMPRESSED VIDEO USING CHI SQUARE ALGORITHM</p> <p>¹ UPESH PATEL, ² NAIMISH THAKAR, ³ SANTOSH SANGADA, ⁴ KETAN CHAUDHARI, ⁵ PROF. PRADIP PANCHAL</p> <p>^{1,2,3,4} PG Student, ⁵ Associate Professor, Department Of Electronics & Communication Engg, Charusat University, Changa, Gujarat, India</p> <p><i>upeshpatel.ec@ecchanga.ac.in, naimish_thaker@yahoo.co.in, sangada_santosh@yahoo.com, ketanec_esd2008@yahoo.com, pradippanchal.ec@ecchanga.ac.in</i></p>	191 – 193
41.	<p>MUTUAL INFORMATION AND JOINT ENTROPY APPROACH FOR DETECTION OF SHOT BOUNDARY FROM VIDEO</p> <p>¹ SANTOSH SANGADA, ² KETAN CHAUDHARI, ³ UPESH PATEL, ⁴ PROF. HIREN MEWADA, ⁵ PROF. PRADIP PANCHAL</p> <p>^{1,2,3} PG Student, ^{4,5} Associate Professor, Electronics & Communication Engineering Dept., CSPIT, Charotar University Of Science And Technology, Changa, Gujarat, India.</p> <p><i>sangada_santosh@yahoo.com, ketanec_esd2008@yahoo.com, upeshpatel.ec@ecchanga.ac.in, hirenmewada.ec@ecchanga.ac.in, pradippanchal.ec@ecchanga.ac.in</i></p>	194 – 198
42.	<p>IMPLEMENTATION JPEG 2000 ENCODER USING DISCRETE WAVELET TRANSFORM (DWT) ON FPGA</p> <p>¹ CHETAN M. GAIKWAD, ² SONALI K. TELI, ³ PROF. SUBHASH S. PATIL, ⁴ PROF. UTTAM. L. BOMBALE</p> <p>^{1,2} Associate Professor, Electronic And Telecom Engineering Dept, Amgoi Vathar. ³ Professor And Head, Information Technology Dept., Tkiet, Warananagar. ⁴ Professor, Technology Department, Shivaji University Kolhapur.</p> <p><i>chetu9662@gmail.com, sonali.kteli@gmail.com, hodinfotech@tkietwarana.org, uttam_bombale@rediffmail.com</i></p>	199 – 203

43.	<p>CAVITY BACKED SLOT ANTENNA</p> <p><i>¹ RUSHIT D. TRIVEDI, ² KHAGINDRA SOOD, ³ RAJEEV JYOTI</i></p> <p>¹ Assistant Professor, Department Of Electronics And Communication, V.V.P Engineering College, Rajkot, Gujarat ² Scientist / Engineer-SF, Antenna Systems Area, Space Applications Centre, ISRO, Ahmedabad ³ Head, SCAD, Antenna Systems Area, Space Applications Centre, ISRO, Ahmedabad</p> <p><i>rushit_trivedi@yahoo.com, kksood@sac.isro.gov.in, rajeevjyoti@sac.isro.gov.in</i></p>	204 – 207
44.	<p>ATTACKS ON WIRED AND WIRELESS NETWORKS AND MOBILE DEVICES</p> <p><i>¹ M.A. DEVMANE, ² B.B. MESHRAM</i></p> <p>¹ Associate Professor, Computer Engineering Department, P.V.P.P's College Of Engineering, University Of Mumbai, Mumbai. ² Professor And Head, Computer Technology Department, V.J.T.I. Mumbai.</p> <p><i>dmahavir@gmail.com, bbmeshram@vjti.org.in</i></p>	208 – 215
45.	<p>APPROACH TO DESIGN RF OSCILLATOR USING SOLID STATE DEVICE</p> <p><i>¹ HINA KADEVAL, ² MARY GRACE SHAJAN</i></p> <p>¹ Master Of Engg. At Parul Institute Of Engg. & Technology, Limbda ² Assistant Professor At Parul Institute Engg. & Technology, Limbda</p> <p><i>hina_280@yahoo.co.in, grace_shajan@yahoo.co.in</i></p>	216 – 221
46.	<p>AN ANALYTICAL APPROACH TO DESIGN, ANALYSIS AND OPTIMIZATION OF HEADSTOCK FOR VMC</p> <p><i>¹ BRIJESH M. GARALA, ² VIKAS J. PATEL, ³ BEENA N. SONI</i></p> <p>¹ Department Of Mechanical Engineering, Marwadi Education Foundation Group Of Institution, Rajkot, Gujarat, India ² Mechanical Engineering Department, C.K. Pithawala Engg. College, Surat, Gujarat, ³ Department Of Humanities & Basic Science, Marwadi Education Foundation Group Of Institution, Rajkot, Gujarat, India</p> <p><i>bgarala@yahoo.com soni_beena01@yahoo.co.in</i></p>	222 – 227
47.	<p>VIRTUAL CLASSROOM- ENHANCED LEARNING TECHNIQUE USING COLLABORATIVE LEARNING CONCEPTS</p> <p><i>¹ SAYALI UGALE, ² SMIJA JAMES, ³ KOMAL DAMA, ⁴ NANDITA RANE</i></p> <p>¹ Student, BE Final Year, Computer Engineering Department, Don Bosco Institute Of Technology, Mumbai University, Maharashtra, India. ² Student, BE Final Year, Computer Engineering Department, Don Bosco Institute Of</p>	228 - 232

	<p>Technology, Mumbai University, Maharashtra, India. ³ Student, BE Final Year, Computer Engineering Department, Don Bosco Institute Of Technology, Mumbai University, Maharashtra, India. ⁴ Professor, Computer Engineering Department, Don Bosco Institute Of Technology, Mumbai University, Maharashtra, India.</p> <p><i>sayali.ugale@gmail.com, smija.j@gmail.com, komaldama@hotmail.com, hinanditarane@gmail.com</i></p>	
48.	<p>LOW VOLTAGE LOW POWER THRESHOLD INDEPENDENT VOLTAGE FOLLOWERS IN 0.5μM TECHNOLOGY</p> <p><i>¹GAURANG P. BANKER, ²AMISHA P. NAIK, ³N.M. DEVASHRAYEE</i></p> <p>¹ PG Student, Institute Of Technology, Nirma University, Ahmedabad, Gujarat. ² ASSO. PROF, Ec Department, Nirma University, Ahmedabad, Gujarat. ³ PG CO-ORDINATOR, VLSI Design, Nirma University, Ahmedabad, Gujarat.</p> <p><i>grngbnkr.10@gmail.com, amisha.naik@nirmauni.ac.in, nmd@nirmauni.ac.in</i></p>	233 – 236
49.	<p>ANALYSIS OF INSTRUCTIONAL DESIGN USING PETRINETS</p> <p><i>T.SIVARAMU</i></p> <p>Research Scholar, Vinayaka Mission University</p> <p><i>siva_ram8@hotmail.com</i></p>	237 – 239
50.	<p>FUNDAMENTALS OF ZERO CONFIGURATION NETWORK</p> <p><i>¹ASMITA P. ASRE, ²PROF. V.M.DESHMUKH</i></p> <p>¹ PG Student, Department Of Computer Sc. & Engg. Prof. Ram Meghe Institute Of Technology & Research, Badnera. ² Professor, Department Of Computer Sc. & Engg., Prof. Ram Meghe Institute Of Technology & Research, Bandera.</p> <p><i>asmitaasre@gmail.com, msvmdeshmukh@rediffmail.com</i></p>	240 – 242
51.	<p>EFFECT OF INVENTORY DATA ACCURACY USING RFID REDUCES RETAILERS INVENTORY IN A SUPPLY CHAIN</p> <p><i>¹CHITRIKI THOTAPPA, ²DR. K. RAVINDRANATH</i></p> <p>¹ Research Scholar, Department Of Mechanical Engineering, S.V.U.C.E, Tirupati, ² Principal, Annamacharya Institute Of Technology, Tirupati.</p> <p><i>thotappa@gmail.com,kravi1949@yahoo.com</i></p>	243 – 247

52.	<p>DESIGN OF PLL AND CLOCK FREQUENCY GENERATOR</p> <p><i>¹ KRUTI P. THAKORE, ²N.M.DEVASHRAYEE</i></p> <p>¹ Assistant Professor, EC Department, LDRP ITR, Gandhinagar, Gujarat. ² P.G.Coordinator, VLSI Design, Nirma University, Ahmedabad, Gujarat.</p> <p><i>kruti1_19@yahoo.co.in, nmd@nirmauni.ac.in</i></p>	248 – 253
53.	<p>STUDY OF DYNAMIC LOAD BALANCING ALGORITHMS FOR LINUX CLUSTERED SYSTEM USING SIMULATOR</p> <p><i>¹MRS. SHARADA PATIL , ²PROF. (DR.) ARPITA GOPAL</i></p> <p>¹ Associate Professor, MCA Department, Dnyanganga Institute Of Career Empowerment And Research, Narhe, Pune University. Pune. ² Professor And Director, Sinhagad Institute Of Business Administration And Research, Kondhava, Pune.</p> <p><i>sharada_jadhao@yahoo.com, arpita.gopal.@gmail.com</i></p>	254 – 259
54.	<p>MANAGING ASTHAMA IN CHILDREN AND ANALYSING BEST POSSIBLE TREATMENT WITH DATA MINING APPROACH OF CLASSIFICATION ALGORITHM</p> <p><i>MRS.PAWAR SUVARNA</i></p> <p>Amrutvahini College Of Engineering,Sangamner,,Ahmednagar</p> <p><i>pawar.suvarna@gmail.com</i></p>	260 – 265
55.	<p>NEURAL NETWORKS</p> <p><i>HARIKRISHNA B. JETHVA</i></p> <p>Research Scholar, Department Of Computer Science Engg, Bhagwant University, Sikar Road, Ajmer, Rajasthan.</p> <p><i>hbjethva@gmail.com</i></p>	266 – 268
56.	<p>SECURE MOBILE PAYMENT MODEL USING UNIQUE IDENTIFICATION WITH ONE-FACTOR AUTHENTICATION</p> <p><i>¹ PAVAN P SONI, ²(DR.) V R RATHOD</i></p> <p>¹ Asistant Professor, Ampics, Ganpat Uni., Kherva, India, ² Director, Dept. Of Comp. Sci., Marwadi Foundation, Rajkot, India,</p> <p><i>mca.pavansoni@gmail.com, profvrr@yahoo.com</i></p>	269 – 271

57.	<p>HONEYPOTS FOR NETWORK SECURITY</p> <p>¹ PALIKA JAJOO, ² DAYAMA MEETA</p> <p>¹ M.Tech(Software Engineering)Engineering College Bikaner, India ² Faculty Of Computer Science Department ,Marudhar Engineering College Bikaner, <i>palika_jajoo@gmail.com, madhu_dayama2000@yahoo.com</i></p>	272 – 275
58.	<p>SIMULATION OF ADAPTIVE ARRAYS FOR RADAR APPLICATIONS USING MATLAB AND EM SIMULATION PACKAGE (IE3D)</p> <p>¹ N.S.MURTHY SHARMA, ² P.KAVITHA, ³ Y.RAVI KUMAR</p> <p>¹ S V Institute Of Engineering & Technology , Moinabad 501504a.P. India, ² Department Of Ece., Cvr College Of Engineering, Vastunagar, Mangalpalli(V), Ibrahimpatanm-501 510, A.P, India ³ Defence Electronics Laboratories, Chandrayan Gutta Lines, Hyderabad, 500 005, <i>nms2010@ieee.org ,kavitha.ou@gmail.com</i></p>	276 – 281
59.	<p>DIET EXPERT ADVISORY SYSTEM</p> <p>¹ B V A N S S PRABHAKAR RAO, ² M SANKAR SASTRY, ³ VADALI SRINIVAS³</p> <p>¹ Associate Professor, Dept. Of CSE, Miracle Educational Society Group Of Institution Vizianagaram 535 216 Andhra Pradesh India ² Assistant Professor, Dept. Of CSE, Miracle Educational Society Group Of Institution Vizianagaram 535 216 Andhra Pradesh India ³ Asst Prof, Dept. Of CSE, KIET-II College, Kakinada, East Godavari 533 461 <i>bvanssprabhakararao@gmail.com, meet2sankar@gmail.com, cnu.vadali@gmail.com</i></p>	282 – 287
60.	<p>WALKING SIGANL SYSTEMS FOR VISUALLY IMPAIRED PEOPLE</p> <p>¹ PROF. H. D. MAGAR, ² PROF. H.K. SAWANT</p> <p>¹ MIT College of Engineering Kothrud-Pune. ² Bharati Vidyapeeth University, College of Engineering, Pune. <i>hanmant.magar@gmail.com</i></p>	288 – 290
61.	<p>COUNTING OF PEDESTRIANS IN COMPLEX INDOOR AUGMENTED REALITY ENVIRONMENT</p> <p>¹ AKHIL KHARE, ² KANCHAN WARKE, ³ Dr. UMESH KUMAR SINGH</p> <p>¹ Research Scholar, JNU, Jodhpur, India <i>khareakhil@gmail.com</i></p>	291 – 295

62.	<p>FREQUENCY DOWN-CONVERT MECHANISM USING MIXER AND ITS SIMULATION</p> <p>¹ <i>MANTHAN MANAVADARIA</i>, ² <i>JAYMIN BHALANI</i> ³ <i>RITESH PATANKAR</i></p> <p>^{1,3} M.Tech. Student, EC Department, CSPIT, CHARUSAT, Changa, Gujarat, India ² Associate Professor, EC Department, CSPIT, CHARUSAT, Changa, Gujarat, India</p> <p><i>manthan_genious@yahoo.co.in, jayminbhalani.ec@ecchanga.ac.in, rit108g@yahoo.co.in</i></p>	296 – 300
63.	<p>COMPARISON AND ANALYSIS OF HYBRID APPROACH FOR SHOT BOUNDARY DETECTION FROM COMPRESSED AND UNCOMPRESSED VIDEO</p> <p>¹ <i>KETAN CHAUDHARI</i>, ² <i>SANTOSH SANGADA</i>, ³ <i>UPESH PATEL</i> ⁴ <i>PROF. JITENDRA CHAUDHARI</i>, ⁵ <i>PROF. PRADIP PANCHAL</i></p> <p>^{1,2,3} PG Student, ^{4,5} Associate Professor, V.T. Patel Department of Electronics & Communication Engineering, CHARUSAT University, Changa, Gujarat, India.</p> <p><i>ketanec_esd2008@yahoo.com, sangada_santosh@yahoo.com, upeshpatel.ec@ecchanga.ac.in, jitendrachaudhari.ec@ecchanga.ac.in, pradippanchal.ec@ecchanga.ac.in</i></p>	301 – 307
64.	<p>WATER STATUS AND NEED OF REUSE – A REVIEW FOR INDIA</p> <p>¹ <i>PROF. (DR) A.S.PATEL</i>, ² <i>MRS. KOMAL P. MEHTA</i>,</p> <p>¹ Professor & Head, Civil Engineering Department, The M.S. University Of Vadodara ² Assistant Professor, K.J. Institute Of Engineering And Technology, Savli, & Ph.D. Scholar At The M.S. University Of Vadodara, Gujarat, India.</p> <p><i>aspatelced@gmail.com, skomal_1981@yahoo.com</i></p>	308 – 312
65.	<p>EFFECT OF WELDING PARAMETERS OF FRICTION STIR WELDED ALUMINUM ALLOY 6082</p> <p>¹ <i>INDIRA RANI. M</i>, ² <i>MRUDULA. G</i>, ³ <i>B. VIJAY KUMAR</i>, ⁴ <i>DR. A.C.S. KUMAR</i></p> <p>¹ Associate Professor, Mech. Engg. Dept., Jntuh, Hyderabad ² Assistant Professor, Mech. Engg. Dept., Tkrct, Hyderabad ³ Student, Mech. Engg. Dept., College Of Engineering, Ou, Hyderabad ⁴ Professor, Mech. Engg. Dept., Jntuh, Hyderabad.</p> <p><i>marpuindira@gmail.com, mrudupardu@yahoo.com, vijayosmania@gmail.com, acskumar@yahoo.com</i></p>	313 – 317