2nd National Conference

on

Computing For Nation Development

Jointly with

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY

The Institution of Electronics and Telecommunication Engineers (IETE), Delhi Centre

Computer Society of India (CSI), Delhi Chapter

Supported by

All India Council for Technical Education

Department of Science & Technology, Ministry of Science & Technology

Council of Scientific & Industrial Research

BHARATI VIDYAPEETH POONA
BHARATI VIDYAPEETH
PUNE

Bharati Vidyapeeth's Institute of Computer Applications & Management, New Delhi.

Welcome

INDIACom 2008

2nd NATIONAL CONFERENCE ON

"COMPUTING FOR NATIONAL DEVELOPMENT "

This disc is designed so that you may locate papers by track or author, as well as with full text search.

Papers originated as electronic files and were converted to Adobe Acrobat PDF file format for cross-platform access. Even though the viewing quality on your monitor may vary, all papers print clearly.

Thank you and enjoy!

Preface

I take this opportunity to welcome you all to the Proceedings of the 2nd National Conference on Computing For Nation Development; INDIACom – 2008; the second event of the annual series.

Throughout the world, nations have started recognizing that IT is now acting as a catalyst in speeding up the economic activities in efficient governance, citizens' empowerment and in improving the quality of human life. Recent developments in IT have touched almost every conceivable area of human life. Emergence of IT with Computer Technology on the national agenda, witnesses the impact of IT on good governance, sustainable development, globalization of economy and social empowerment. In light of this, the theme, Computing For Nation Development, is very much relevant and timely.

The objective was to bring the eminent academicians, scientists, researchers, industrialists, technocrats, government representatives, social visionaries and experts from all strata of society, under one roof, to explore the new horizons of innovative technology to identify opportunities and define the path forward. This new path should eliminate isolation, discourage redundant efforts and promote scientific progress aimed to accelerate India's overall growth to prominence on the International front and contribute effectively to realize and achieve the India 2020 mission of being a Developed Nation. The conference will feature regular paper presentation sessions, invited talks, key note addresses, panel discussions and poster exhibitions.

Encouraged by the resounding success of INDIACom – 2007, INDIACom – 2008; was announced as the 2nd event of the annual series. It attracted researchers and practitioners from academia, industry and government agencies, in order to exchange ideas and share their valuable experiences. 328 papers were received; till the last date; thereby making the job of the Programme Committee very very difficult. After a series of tough review exercises, 228 papers were recommended to be accepted for publication and presentation in INDIACom – 2008 during the two days in four parallel tracks. These papers represent wide variety of research topics in all the emerging areas besides traditional areas. Some of the application oriented papers may not be very rich in technical content, but provide extensive information about the new areas where computing can really be useful for the overall prosperity of the mankind, which in turn might facilitate the overall growth in the country. I am sure, these contributions will definitely enrich our knowledge and motivate many of us to take up these challenging application areas and contribute effectively for the Nation Development.

I would like to thank our Hon' ble Founder – Bharati Vidyapeeth, Dr. Patangraoji Kadam, who is always a constant source of inspiration for the young generation, for having given me this noble opportunity at Bharati Vidyapeeth. I would also like to thank Hon' ble Dr. Shivajiraoji Kadam, Vice Chancellor, Bharati Vidyapeeth University, Pune, and Hon'ble Vishwajit Kadam, Secretary, Bharati Vidyapeeth, Pune, for giving me all encouragements, support and above all showing me the right path aimed to quality and excellence.

We are grateful to a number of people without whom we would not have been able to successfully organize this mega event. On behalf of the Organizing Committee, I thank to my esteemed authors for having shown confidence in us and considered INDIACom – 2008 a platform to showcase and share their original research work. I wish to express my gratitude to my focused and dedicated team

of Convener, Co-conveners, Joint Conveners, members of the Advisory Committee, Organizing Committee, Programme Committee, Co-ordination Committee, Web Administration and Content Development Committee, Management Committee of CSI Delhi Chapter, Executive Committee of IETE Delhi Centre, officials of GGSIP University, my team of teaching and non-teaching staff members and finally my students for being a great source of strength to me in making this event successful. I consider my self fortunate to have such a dedicated and ever supporting team. A very special thanks to Mrs. Shalini Singh Jaspal along with her team of students; Rishi, Prasoon, Ajay, Rohan, and others for having developed a fully automated Conference Management System (CMS), which certainly has proved to be a successful interface for INDIACom – 2008.

I am personally thankful to our Vice Chancellor, Prof. K. K. Aggarwal, who was always a constant source of technical guidance and encouragement, as and when, I needed. It is also unique to note that he was involved with this Conference in all the three capacities; Past President of IETE, present President of CSI and the sitting Vice Chancellor of GGSIP University to which the Institute is affiliated. I am also grateful to him for having written foreword for this Proceedings.

We also take this opportunity to thank various organizations which have sponsored and collaborated with us in organizing this conference and meeting the financial constraints. I am also thankful to my printer Mr. Naresh, for patiently incorporating all the changes, as suggested by me, irrespective of the frequency and the efforts.

Those who have edited and compiled such Proceedings know the amount of time and effort that goes into such a project. Any one who is related to the editor can tell you at whose expense that time was spent. Mere thanks to Roohi, Faisal and Nargis seem small as compared to the tremendous support and indulgence they gave and tolerated me all along, while I devoted my time in planning the Conference and editing and compiling the Proceedings.

Finally, I am thankful to one and all, who have contributed directly or indirectly in making this conference successful.

Tremendous amount of efforts put in to compile this huge and bulky Proceedings will be successful only when if these papers could motivate some of us in taking up the major computing challenges for a huge country like India in the coming years.

Last but not the least, I take this opportunity to give the credit of successfully bringing out this Proceedings to my team, one and all, and personally own the responsibility of all the errors, deficiencies and shortcomings. As the available time was very short, in spite of our best efforts to produce a quality publication with a consistent format, errors may remain. I apologies to our readers and contributors for that and request them to kindly send / e-mail their criticism and suggestions, which will be vital for the improvement of the post conference further edited version of the Proceedings.

New Delhi
25th January, 2008

Prof. M. N. Hoda
Editor & Chief Convener, INDIACom – 2008
Director, BVICAM, New Delhi
conference@bvicam.ac.in

Prof. K. K. Aggarwal
VICE CHANCELLOR

GURU GOBIND SINGH
INDRAPRASTHA
UNIVERSITY

GURU GOBIND SINGH
INDRAPRASTHA UNIVERSITY
Kashmere Gate, Delhi-110006. INDIA
Phone : 91-11-23869802, 23900104
Res. : 91-11-22243770
Fax : 91-11-23865941
E mail : aggarwal_krishan@hotmail.com

GGSIPU/VC/2008/
January 25, 2008

FOREWORD

It gives me immense pleasure to know that after a great success of INDIACom - 2007; INDIACom - 2008 is being held in New Delhi on 08th - 09th February, 2008 on a very relevant theme "Computing For Nation Development". In this era of convergence, there is a greater need for collaboration of various professional societies and forums with almost similar objectives. It is heartening to note that in this conference the professional societies such as Computer Society of India (CSI), Institution of Electronics and Telecommunication Engineers (IETE) and Bharati Vidyapeeth's Institute of Computer Applications and Management, New Delhi, along with Guru Gobind Singh Indraprastha University, Delhi, have come together on a single platform. I am sure, the conference will focus on the various developments that have taken place in computers to facilitate the overall growth in the country.

The appropriateness of the conference theme has drawn a huge response in terms of research papers, which has gone over 300 in number. The compilation of the reviewed papers in terms of Proceedings is gigantic task but has been accomplished very successfully. Further, the invited talks in each technical session from eminent experts will definitely benefit the participating delegates.

I also take this opportunity to congratulate the editor Prof. M. N. Hoda for having taken all the pain to edit and compile the Proceedings, along with his dedicated team of Programme Committee and brought the same in such a short time. I am sure, the Proceedings will be of immense use to one and all.

I wish the conference a great success.

[K. K. Aggarwal]

Organisers

BHARATI VIDYAPEETH POONA

BHARATI VIDYAPEETH

PUNE

THE INSTITUTION OF ELECTRONICS AND TELECOMMUNICATIONS ENGINEERS

IETE

सह वीर्यं करवावहै

COMPUTER SOCIETY OF INDIA

ESTD. 1965

सर्वे भवन्तु सुखिनः

Sponsors

Technical Partners

Media Partners

(click on the logo for more information)

IETE

The IETE is the National Apex Professional body of Electronics and Telecommunication, Computer and IT Professionals. The IETE focuses on advancing the Science and Technology of Electronics, Computers , Telecommunication, Information Technology and related areas. It promotes and conducts continuing technical education programmes such as AMIETE and DIPIETE Examinations, recognised by Ministry of HRD, GoI.

IETE Delhi is the largest centre of IETE and conducts coaching classes for the AMIETE and DIPIETE at its premises at Janakpuri, New Delhi.

(for details visit www.ietedelhi.org)

Bharati Vidyapeeth

(for details visit www.bvicam.ac.in)

CSI

The Computer Society of India, founded in 1965, is a non-profit, professional body where IT professionals meet to exchange views and information, to learn and share ideas. CSI has over 30,000 members to date, consisting of professionals with varied backgrounds. Today it has 62 chapters and 100 plus student branches spread all over the country.

Established in late 60s, Delhi Chapter is one of the largest chapters of CSI, having strength of more than 1000 members. Delhi Chapter has been awarded the Best Chapter award for 2005-2006.

(for details visit www.csidelhi.org)

Sponsors

AMKETTE
When Reliability Matters

Dax
Networks
Go Placidly

INDIACom-2008

SUNSTONE
ASIAN RUBBERS (INDIA)
UDYOG NAGAR , NEW DELHI

punjab national bank
...the name you can BANK upon!

ahujasons
SHAWL WALE (P) LTD.

Technical Partners

appin
appinonline.com knowledge solutions
Discover technology, the right way !

INDIACom-2008

IET
The Institution of *Engineering and Technology*

MICROMAX

Media Partners

DATAQUEST
The Business of Infotech

INDIACom-2008

GIS DEVELOPMENT

Categories

- Category I
- Category II, III, IV

INDIACom-2008

Tracks (C-I)

- Track #1: Digital World
- Track #2: Web Technologies, Computer Networks And Information Security
- Track #3 : Software Engineering & ERP
- Track #4: High Performance Computing

INDIACom-2008

Tracks (C – II, III, IV)

- Track #1: Digital World
- Track #2: Web Technologies, Computer Networks And Information Security
- Track #3 : Software Engineering & ERP
- Track #4: High Performance Computing

INDIACom-2008

Track 1: Digital World (C – I)

32 **Auto Radio News Reader Using SAPI & VB.NET**
Narina Thakur and Rachna Jain

39 **IT in Rural India: Challenges Ahead**
Harsimerjeet Khurana and Rohinish Khurana

43 **ICT a Tool for Rural Employment and Good Governance**
Ganesh Chandra Deka

52 **Solid Waste Dumping Site Selection around Barnala City using Geoinformatics**
Harpinder Singh, D. C. Loshali, P. K. Litoria, P. K. Sharma, Narinder Singh and B. U. Choudhury

57 **Data Warehousing for e-Governance to Support Web Enabled Gradation System**
Kamal M. Alaskar and Akhtar Shaikh

INDIACom-2008

Track 1: Digital World (C – I)

58 **Role of Knowledge Management in e-Governance for Quality of Growth**
Baisakhi Chakraborty

60 **Survey of Crop Yield Estimation Models with Emphasis on Artificial Neural Network Model**
Jeetendra Pande and Bhavika Varma

61 **Application of Analytic Hierarchy Process in Environmental Performance Assessment and its Implementation using MATLAB Program**
Mumtaz Alam

67 **e-Governance: Government for the People**
Vikas Atri and Monika Bhardwaj, Swati Arora

INDIACom-2008

Track 1: Digital World (C – I)

83 **The Face of ICT Exports in Developing Economies: A Case Study**
Dharminder Kumar, Dharmendar Kumar and Rohit Verma

84 **Moving Towards SMART Governance Electronic Governance Framework for Uttarakhand**
Durgesh Pant and M. K. Sharma

105 **Individualized Learning through Intelligent Tutoring System**
Madhavi Sinha and Shweta Mahlawat

108 **An Object Oriented Fuzzy Rule Based Engine for Autonomic Systems**
Debasish Jana and Soumya Maitra

119 **ICT as a Tool for Poverty Reduction**
Chhavi

INDIACom-2008

Track 1: Digital World (C – I)

140 **ICT Based Agro Advisory and e-Extension Approach for Sustainable Agricultural Development**
H. Chandrasekaran, A. K. Mishra, Rajendra Sharma and Shiv

148 **Bridging the Digital Divide through Electronic Knowledge Based Panchayat**
Mamta Malik

197 **Speech Recognition Tools in Local Language for Kissan Help**
K. V. N Sunitha and N. Kalyani

203 **An e-Governance Solution for the Ministry of Corporate Affairs**
R. B. Iyengar

INDIACom-2008

Track 1: Digital World (C – I)

212 **Information Technology for Disaster Management: Need of the Hour**
Sanjib K. Sahu

215 **ICT: A New Horizon of School Education**
L. Pushparani Devi, L. Sashikumar Singh, Sanasam Bimol

216 **Successful e-Governance Projects in Karnataka-A Case Study**
H. S. Nagalakshmi

243 **Using Mobile Education System To Create AIDS Awareness In India**
S. A. M. Rizvi, Anees Ahmad and Saba Hilal

INDIACom-2008

Track 1: Digital World (C – I)

246 **WiMAX–A Solution for the Educational Sector: An in Depth Study for Practical Implementation in Educational and Allied Institutions**

Jaspreet Singh Arora and S. H. Abbas Mehdi

250 **Creating a Unified Citizen Database**

Suja T. Venkateswaran

262 **KHOJ: A Predictive System for Managing Natural and Talent Resources**

Pooja Raundale, Harshali Patil and Vaishali Patil

268 **Automation of Libraries Through ICT Applications, a Tool to Empower National Development**

Ajendra Isaacs, E. P. Lal, N. K. Gupta and Rajeev Paulus

Track 1: Digital World (C – I)

269 **Multicriteria Spatial Decision Analysis using Spatial Compromise Programming**

Harish Karnatak, Karamjit Bhatia and Sameer Saran

INDIACom-2008

Track 2: High Performance Computing (C – I)

14 **Emerging ERP in e-India: To Revive, To Resolve, To Rejoice**
A. K. Saini and Rashmi Jha

27 **Comparisons of Mobile Routing Protocols**
Rakhi Patrick, Dipti Kapoor Sarmah and Pallavi Sinha

35 **The Challenges in Security Management**
Vipul V. Bag and Somnath B. Thigale

46 **Node Energy Conserving Routing Protocol (NECRP) for Mobile Ad Hoc Networks**
Prateek Singh and Sanjay T. Singh

59 **Sensor Networks and its Applications**
Anisur Rehman Nasir

INDIACom-2008

Track 2: High Performance Computing (C – I)

68 **Security Enhancements in IPV6**
Prabhjot Kaur and Anupama Kaushik

69 **Exploiting Shared Cache for Cache Coherence in Multiprocessors**
Salman Abdul Moiz, Syed Khaver Hussaini and P. S.K. Krishna Valli

79 **Cryptography and National Security**
Seeja K. R.

81 **Exploration of MANET Routing Protocols for Ubiquitous Healthcare**
M. K. Tiwari, O. P. Vyas and Bhawana Narain

82 **Software Implementation of the ECB Mode of Triple DES Standard**
Ajmal Kafeel and Misbah Ur Rahman

INDIACom-2008

Track 2: High Performance Computing (C – I)

88 **Power Aware Routing Scheme in Ad hoc Networks**
A. Kush and R. Kumar

116 **Cryptographic Election Techniques**
Shailender Gupta, Anu Chandel and Santosh Kumar Yadav

120 **A Session Key Based Secure-Bit Encryption Technique (SBET)**
S. Som and J. K. Mandal

121 **A Permutative Cipher Technique (PCT) to Enhance the Security of Network Based Transmission**
Manas Paul and Jyotsna Kumar Mandal

122 **Anti Packet Sniffing: A Zero Hacking**
Rupal Sinha and Durgesh K. Mishra

INDIACom-2008

Track 2: High Performance Computing (C – I)

128 **Performance Comparison of Various MANET Routing Protocols for VBR Traffic**

Kapil Suchdeo, Manju Suchdeo and Durgesh K. Mishra

134 **Mobile Software Agents Insect Inspired Computing**

Amit Choudhary and Savita Ahlawat

153 **Disconnected Mode of Operations in Mobile Environments**

Salman Abdul Moiz, Shoukat Ali and Lakshmi Rajamani

157 **Mobile Computing: Smart Application Using J2ME Technology (Suchana Samvahak)**

Ankita Lathey, Akash Tayal and Shweta

162 **Information Hiding Techniques**

Geetika Dhand

INDIACom-2008

Track 2: High Performance Computing (C – I)

172 **The Next Generation Internet Protocol**
Niraja Jain, Pankaj Agarkar and S. N. Talbar

179 **Role of Search Engines in Intelligent Information Retrieval on Web**
Ramprakash, Sanjay Kumar Malik, Nupur Prakash, SAM Rizvi and Sudeep Marwaha

200 **Proposed Extended Geocast Adaptive Mesh Environment for Routing (EGAMER)**
Abhishek Kr. Mishra and Birendra Kumar

208 **Prediction of Shoot Length at Maturity by Observing Initial Growth of Mustard Plant using Fuzzy Time Series Model**
Avishek Choudhury, Satyendra Nath Mandal, J. Pal Choudhury and S. R. Bhadra Chaudhuri

INDIACom-2008

Track 2: High Performance Computing (C – I)

209 **A Framework for the Development of New Approach of Playfair Cipher**

Uttam Kr. Mondal, Satyendra Nath Mandal and J. Pal Choudhury

217 **A Design of Security Protocol for Wireless Communication using Hybrid Encryption Technique**

B. R. Prakash and D. Ramesh

223 **Relevance of Steganography, in general, and Graph Theoratic Approach in particular, in Indian Security Concern and Measure**

Vinay Kumar and S. K. Muttoo

232 **A Fuzzy Algorithm for Scheduling Real Time Jobs in Multiprocessor Systems**

Sameena Naaz and Parul Agarwal

INDIACom 2008

Track 2: High Performance Computing (C – I)

233 **Factors Influencing SQL Injection & Common Prevention Techniques**
Jayshree Krishnan and S. H. Abbas Mehdi

240 **Using Web Services for Distributed Computing**
Neeraj Saxena and Anita Goel

245 **New Horizon for Security Checking–Biometrics**
Neeta Bhatt and Pooja Gautam

249 **Performance Enhancement of Scheduling Algorithms in Web Server Clusters using Improved Dynamic Load Balancing Policies**
Hemant Kumar Mehta, Priyesh Kanungo and Manohar Chandwani

258 **Secure Routing & Intrusion Detection in Ad hoc Networks**
M. N. Doja and Amjad

INDIACom-2008

Track 2: High Performance Computing (C – I)

259 **Optimizing Melting Rate and Fuel Consumption of Rotary Furnace using NSGA-II**
K. K. Mishra, Brajesh Kumar Singh, Akash Punhani and Lavkush Sharma

260 **Performance Comparison of MANET Routing Protocols**
Sanjeev Kumar Prasad and Tripti Sharma

261 **Computer Researchers Harnessing DNA for Computing**
Deepshikha Bhargava and Divya Arora

265 **Privacy Preservation for Multiple Organization using Randomization Techniques**
Samiksha Shukla and D. K. Mishra

267 **Cryptography for Mobile Computing**
D. Ramesh and B. R. Prakash

INDIACom-2008

Track 2: High Performance Computing (C – I)

270 **Elliptic Curve Cryptography over Prime Field**
Yogita S. Pagar and Chitra M. Gaikwad

275 **Grid Infrastructure for Collaborative High Performance Scientific Computing**
R. Jehadeesan

277 **Implementation of AHB Interface as SDR-SDRAM Controller's CPU Interface**
Sapna Gupta, Arti Noor and Shruti Sabharwal

286 **Integration of Offset PIN Derivation Methods in GSM System to Prevent SIM Cloning**
M. B. Panbu and S. Magesh

INDIACom-2008

Track 3: Changing Architecture and Programming Paradigm (C – I)

62 **Estimation of the Size of the Software Projects with High Complexity Using Function Point**
Sadiq and Shabbir Ahmed

63 **A Software Process Evaluation Method for Small Organizations Combining ISO/ IEC 14598 and CMMI**
Moiz Qyser A. A. and K. Veera Bhadra Rao

76 **Agile Project Management-Redefining the Role of Managers**
Malaya Kumar Nayak and Manas Ranjan Patra

90 **Software Design Versioning and Version Management**
K. Madhavi and A. Anand Rao

93 **Leaner Software Development**
Sonu Gupta

INDIACom-2008

Track 3: Changing Architecture and Programming Paradigm (C – I)

110 **Software Testing using Use Case Interaction**

Rina Parmar and Ashwin Makwana

112 **Changing Scenario of SDLC and Role of SRS in the Success of Software**

Vrushali V. Jadhav, Archana R. Ugale and Nitin D. Nayak

113 **Empirical Investigation to Find the Effect of Design Metrics on Fault Proneness**

Yogesh Singh, Arvinder Kaur and Ruchika Malhotra

138 **Coupling-Based Testing Techniques for Object-Oriented Languages**

Latika Kharb and Rajender Singh

142 **Assessment of Component Criticality with Proposed Metrics**

Latika Kharb and Rajender Singh

INDIACom-2008

Track 3: Changing Architecture and Programming Paradigm (C – I)

149 **A Critical Review of Cohesion Measures and Measurement Frameworks in Aspect-Oriented Systems**

Avadhesh Kumar, Rajesh Kumar and P. S. Grover

184 **Automation Testing–Applying Intelligence**

Rakesh Agarwal and Nonika Bajaj

194 **Structured Approach for Requirement Elicitation**

Deepa P. Hebalkar, Deepali D. Shahane and Divya Leekha

195 **Guidelines and Case Study for Eliciting Security Requirements**

Daya Gupta and Ashish Agarwal

196 **Dependability and Fault Tolerant Computing***K. C. Joshi and Sanjay Kumar Gupta*

INDIACom-2008

Track 3: Changing Architecture and Programming Paradigm (C – I)

205 **A New Concept in Automated Structural Testing for C Programs: Considering "for" Loop**

Yogesh Kumar Mittal and Shashank Sahu

219 **The Design of a Pedagogical Operating System**

Pinaki Chakraborty and R. G. Gupta

225 **Critical Analysis of Software Usage Vs. Cost**

Deepshikha Jamwal, Vinod Sharma and Devanand, Mansotra V.

236 **An Efficient Evaluation of Requirements Engineering Process Maturity Assessment and Improvement**

Anurag Shrivastava, Vivek Kumar Singh, Manuj Darbari, S. P. Tripathi and Shubha Mishra

INDIACom-2008

Track 3: Changing Architecture and Programming Paradigm (C – I)

247 **Software Optimal Release Policy and Reliability Growth Modeling**

S. M. K. Quadri, N. Ahmed and M. A. Peer

252 **A New Development Approach: Test Driven Development**

Poorvi Vaidya, Shilpa Bhalerao and Maya Ingle

272 **Evolutionary Approach for Designing Survivable Systems**

K. Thirupathi Rao

279 **Software Requirement Engineering through Use Case**

Mirza Zainab

INDIACom-2008

Track 4: Other Emerging Technologies (C – I)

8 **Trip Generating Modeling using Artificial Neural Network**
Shivendra Goel and A. K. Sinha

36 **Interactive Web Data Management Techniques with Diverse Data Sources**
G. Vadivu and Thenmozhi

44 **A Data Mining Framework for Business Intelligence**
Sanjay T. Singh and Prateek Singh

50 **Constraints and Future Prospects of IT in Development of Modern India**
Shahanawaj Ahamad and Amit Jain

54 **A Framework for Knowledge Management Methods, Practices and Technologies**
Sampada Gulawani and R. V. Kulkarni

INDIACom-2008

Track 4: Other Emerging Technologies (C – I)

56 **A Comparison of Predictive Efficiency of ANN and Linear Regression Technique for Crop Yield Estimation**
Jeetendra Pande and Kavita Upadhyay

72 **Online Transactions and Security Issues in Banking Operations**
V. M. Chavan and A. T. Gaikwad

74 **MIS in Organization is a Tool to Decision Making**
V. M. Chavan and K. P. Tripathi

89 **Stable and Energy Efficient Routing for Ad hoc Mobile networks**
Ashwani Kush and Phalguni Gupta

91 **Artificial Neural Network Applied to Data Mining: The Commercial Perspective**
Sona Jandial

INDIACom-2008

Track 4: Other Emerging Technologies (C – I)

97 **Data Mining–A Tool for Decision Makers**
Rajinder Singh Chhillar, Barjesh Kochar, Kanwaldeep Singh and Garima Singh

104 **Implementation of ERP System for Effective Management of Co-operative Sugar Industries–A Case Study of Sahyadri SSK Ltd Shiravade-Karad (M.S.)**
Om Prakash Gupta and R. D. Kumbhar

106 **Implementation of Decision Trees using Iterative Dichotomizer (ID3) Algorithm**
Sudarvizhi Kulothungan

107 **Exploring Vulnerabilities of Threat to e-Commerce with Popularity of Search Engine**
Shruti Kohli

114 **Empowering WiMax Networking in Education**
V. K. Nassa

INDIACom-2008

Track 4: Other Emerging Technologies (C – I)

125 **SMC Adversaries and Minimizing their Effects for Privacy-Preserving Data Mining**
Durgesh K. Mishra and Manohar Chandwani

130 **Mining Unstructured Data-A Study of Text Mining**
Pooja Dhanrajani and Udayan Ghosh

139 **Data Mining and Customer Relationships**
Prachi Vats

143 **AI in Cooperative Distance Learning**
Satya Singh, Jyotirmay Patel and Ramjeet Singh Yadav

155 **More Efficient Genetic Algorithm for Tuning Optimal PID Controller**
R. H. Chile, L. M. Waghmare and M. J. Lengare

INDIACom-2008

Track 4: Other Emerging Technologies (C – I)

161 **Methodology to Optimize Electromechanical Architecture with Information Technology Support**

Gaurav Manchanda, Anshuman Korpal and Shivendra Goel

170 **Understanding Key Issues Related to Mixed Signal VLSI Design**

Parag Parandkar and Sumant Katiyal

171 **Integration of Mixed Signal Components on System on Chip**

Parag Parandkar and Sumant Katiyal

173 **Analysis of Iris Recognition Algorithms**

Pankaj Agarkar, S. N. Talbar and Niraja Jain

178 **Bitmap Indexing–A New Paradigm in Information Retrieval**

Laxmi Ahuja and Arun Sharma

INDIACom-2008

Track 4: Other Emerging Technologies (C – I)

189 **Key Project Management Issues for Successful ERP Implementation**

R. Mageshwaran, Manjunath B, A. J. Prasad and H. R. Shashidhar

198 **Introducing the Fuzzy Association Rules**

Roshie Nanda

201 **Decision Support System - Risk Assessment & Asset Valuation**

Ajay S. Ramteke

204 **Content Based Image Retrieval using High Level Semantic Features**

Sharvari Tamane

207 **Statistical Analysis of Mutation in Breast Cancer**

M. U. Bokhari and Bhavana Gupta

INDIACom-2008

Track 4: Other Emerging Technologies (C – I)

213 **A Directed-Threshold Multi-Signature Scheme**
Sunder Lal and Manoj Kumar

218 **Query Processing for XML Databases**
Atul D. Raut and T. M. Pattewar

220 **An Emerging Perspective of ICT Assisted Knowledge Production**
Avijit Dutta

221 **Dictionary Based Bengali-English Relevant CLIR**
Avishek Banerjee and Swapan Bhattacharyya

226 **Software Process Improvement at CMM level 4: A Statistical Analysis**
Abha Sharma and Vijay Maithil

INDIACom-2008

Track 4: Other Emerging Technologies (C – I)

227 **A Better Performed Transaction Reduction Algorithm for Mining Frequent Itemsets from Large Voluminous Database**

E. Ramaraj, K. Rameshkumar and N. Venkatesan

228 **Retirement of Software: Another Milestone in SDLC**

Deepak Jain and Shalini Jain

238 **Data Mining: Need & Applications**

Rakesh S. Patil, Baisa L. Gunjal and Suhas H. Patil

239 **Modified Authentication Protocol of X.509– Directory Authentication Services**

K. S. Vaisla and R. K. Bharti

251 **A New Approach to Clustering in Data Mining**

Terence Johnson

INDIACom-2008

Track 4: Other Emerging Technologies (C – I)

253 **Performance Comparison between SQL Server 2000 and Oracle 10g**
C. Komalavalli, Monika Arora and Rashmi Singh

256 **e-Governance in India: Way to Success**
Madhulika Bhelotkar

263 **On Generating 3NF Database Directly from the Class Model**
Amita Jain

264 **OFDM System for Different Modulation Technique**
Pranita N. Palsapure

271 **e-Commerce: Classification, Architecture & Security Issues**
Rakesh S. Patil, Baisa L. Gunjal, Baba M. Londhe and Ravindra B. Gawali

INDIACom-2008

Track 4: Other Emerging Technologies (C – I)

273 **Data Warehousing and a Support System for the Development of Herbs & Medicinal Plants in Himalaya**

Manish Pandey

274 **A Novel Approach for Visual Cryptography using a Watermarking Technique**

Yogesh Bani, B. Majhi and Ram S. Mangrulkar

281 **An Overview of Ranking Algorithms for Search Engines**

Ankur Gupta and Rajni Jindal

291 **e-Commerce Challenges in Developing Countries**

Shivendra Goel and Divya Goel

294 **A KDD Tool for Automated Discovery of Knowledge**

Tamanna Siddiqui

INDIACom-2008

Track 4: Other Emerging Technologies (C – I)

295 **Software Defined Radio: Technology and Application**

M. Salim Beg and Pallavi Gupta

296 **Controlling Remote Desktop**

Shubhra Saggar

INDIACom-2008

Track 1: Digital World (C – II, III, IV)

25 **IT Skills: The Quality Interface**
Dheeraj Mehrotra

49 **Organizational Approaches for Unit Testing**
Akhilesh K. Sharma

51 **e-Governance–Looking Beyond IT Governance**
Rajesh Narang

64 **Information Technology: A tool to Consumer Education and Rights, an Empirical Study**
Sarita Garg and Nimit Gupta

85 **Revamping Organisations through ICT: Rat Race at Work Place**
Prema P. Nair

INDIACom-2008

Track 1: Digital World (C – II, III, IV)

94 **e-Governance Initiatives: District Ambala (Haryana)**
Surjeet Singh

124 **Electronic Voting-An Emerging Technique**
Shalini Vermani

132 **Role of MANET in Disaster Management**
O. P. Vyas, M. K. Tiwari and Kavita Das

141 **Role of CBR based Web ITS in Effectiveness of Teaching and Learning**
O. P. Rishi, Rekha Govil and Madhavi Sinha

144 **e-Waste Management in IT Industry: A Need for Paradigm Shift**
Ayush Chaturvedi

INDIACom-2008

Track 1: Digital World (C – II, III, IV)

164 **Agri Central: A centralized IT based Infrastructure for Agricultural Development in India**

Gaurav Manchanda, Nidhi Bahuguna and Ravi Prakash

169 **e-Governace**

Abhinav Srivastava and Mansi Agrawal

190 **Morphological Transforms for Segmentation using Simple Crack Edges**

C. Nagaraju, A. Hima Sailaja and S. Anusha Naidu

192 **A Novel Method for Boundary Detection Based on Edge Flow Technique**

C. Nagaraju, A. Hima Sailaja and S. Anusha Naidu

231 **e-Governance and it's Future Aspects**

Ashutosh Kumar Bhatt, M. K. Sharma and Durgesh Pant

INDIACom-2008

Track 1: Digital World (C – II, III, IV)

234 **e-Learning: A Tool to Survive Ongoing Technological Changes**

S. H. Abbas Mehdi and Jayshree Krishnan

237 **Eprocurement Model in e-Governance Framework of Uttarakhand to Provide B2B, G2B and B2G ECommerce Applications**

M. K. Sharma and K. S. Vaisla

242 **Information Technology Based Health Extension Centre for Remote Villages**

P. S. Tiwari and K. L. Sharma

282 **e-Learning Governance: A Novel Way for Imparting e-Learning Initiatives**

Lakshmi Kalyani

283 **An Overview of a G2G e-Governance Software: MES Agri**

A. R. Ugale, Vrushali V. Jadhav and Nitin D. Nayak

INDIACom-2008

Track 1: Digital World (C – II, III, IV)

284 **e-Learning: Technology, Models and Design Principles**

Deepak Gour

287 **Modeling Chlorine Residuals in Water Distribution Network Using EPANET 2.0 Software**

Kashfina Kapadia

INDIACom-2008

Track 2: High Performance Computing C – II, III, IV)

47 **Next Generation Internet Protocol and its Current Trend**

Beerappa Rama Chandavarkar

53 **Authentication to Authorization: A Review**

M. N. Doja and Dharmender Saini

55 **A Framework for Building Standard System Data Dictionary**

Maher Ibrahim and S. A. M. Rizvi

65 **Simulation based Performance Comparison of Ad hoc Routing Protocols**

Khaleel Ur Rahman Khan, Rafi U Zaman and A. Venugopal Reddy

70 **HIMIP–Hierarchical Internet-MANET Integration Protocol**

Khaleel Ur Rahman Khan, Rafi U. Zaman and A. Venugopal Reddy

INDIACom-2008

Track 2: High Performance Computing C – II, III, IV)

78 **Challenges and Proposed Solutions in the Migration to 4G Mobile**
Akhtar Husain, Love Kush and Mehaboob Alam

96 **Securing Mobile Ad hoc Networks**
Kaleem Ahmed Usmani and Nupur Prakash

100 **Cryptography**
Ruchika Gupta and Sushila Saran

101 **Bioinformatics, Bonding Genes with IT**
Ruchika Gupta

102 **Wavelet Theory and Application in Biomedical Science**
Sanjeev Kumar and S. K. Yadav

INDIACom-2008

Track 2: High Performance Computing C – II, III, IV)

111 **More Efficient Genetic Algorithm for Tuning Optimal PID Controller**

R. H. Chile, L. M. Waghmare and M. J. Lengare

115 **Next Generation Internet**

Manoj Kapil and Deepak Sinha

127 **Optical Orthogonal Codes**

Geetu Mehndiratta and Sonali Bhatnagar

129 **Security for Mobile Ad-Hoc Networks**

Amit Choudhary and Savita

136 **Cryptography + Stegnography Helps in Creating Secure Information Technology Infrastructure for Data Transmission with the Help of DNA Computing and Bioinfomatics**

Nasib Singh Gill and Pradeep Tomar

INDIACom-2008

Track 2: High Performance Computing C – II, III, IV)

152 **Content-Based Filtering for controlling web access**

Yash Dave

156 **Cryptography Techniques for Secure Communication**

Amandeep Kaur

158 **A Comparative Study of K-Means and PAM Algorithms Using Leukemia Datasets**

Hemendra Kumar and V. K. Sharma

159 **Systematic Allocation of Tasks for Load Balancing in Distributed Computing Environment**

M. P. Singh, Harendra Kumar and Pradeep Kumar Yadav

160 **A Heuristic Tasks Allocation Model for Computer Communication Network**

Jugmendra Singh, M. P. Singh and P. K. Yadav

INDIACom 2008

Track 2: High Performance Computing C – II, III, IV)

168 **Network and Information Security**
Yogendra Kulkarni and Prajyot Mainka

174 **TCP Performance in Heterogeneous Wireless Networks**
G. Ramesh

175 **A Study on Network Disaster Protection and Packet vs. Flow-Based Anomaly Detection**
G. Ramesh

177 **Steganography with Least Significant Bit Insertion Algorithm**
Gaurag Patkar and J. Jaya

185 **Network and Information Security: A Challenging Issue**
Swati Gupta

INDIACom-2008

Track 2: High Performance Computing C – II, III, IV)

187 **An Active Defense Machanism for TCP SYN Flooding Attacks**
Saravanan K. and Gowri Shankar A.

191 **IPv6 Security**
Archana Tyagi

202 **Computer Networks-Networking and Security**
Soniya N. Kakade

210 **Virtual Private Network Development for Storage Houses**
Surendra Choudhary and Reena Dadhich

214 **Comparative Study of Intrusion Detection Techniques for Wireless LAN**
Jatinder Singh

INDIACom-2008

Track 2: High Performance Computing C – II, III, IV)

254 ***Performance Analysis of Routing Protocols for Mobile Ad-Hoc Networks***

Rinky Dwivedi and Dongar Singh Knnojiya

255 ***Awareness of Network and Information Security for Common Person***

Rupal Bhatt

276 **Quantum Computers & Fuzzy Logic**

Deepak Gandhi and Raja Banthia

288 **Congestion Control in Secure Multiparty Computation**

Zulfa Shaikh

INDIACom-2008

Track 3: Changing Architecture and Programming Paradigm (C – II, III, IV)

24 **Complexity Removal in Test Driven Development**
Ravendra Kumar Gupta and Nidhi Agarwal

33 **Object-Oriented Software Development Life Cycle**
Jitesh B. Dundas

87 **Coding Standards**
Supriya Shivhare

95 **Software Verification & Validation**
Vinita Rohilla and Shaily Malik

135 **ATCM: Aspect Trust & Certification Model for Verifying Issues of Aspect -Oriented Software Development**
Latika Kharb and Rajender Singh

INDIACom-2008

Track 3: Changing Architecture and Programming Paradigm (C – II, III, IV)

137 **Object + Component + Aspect Oriented Software Development: All are Interrelated but have Different Development & Practitioner View**

Nasib Singh Gill and Pradeep Tomar

145 **Need and Nature of Verification and Validation in Component-Based Software Development**

Nasib Singh Gill and Pradeep Tomar

146 **Revisiting AMD (Aspect-Method Dependencies Metric for Coupling) for Measurement**

Latika Kharb and Rajender Singh

154 **Building Reusable Software Component for Optimization Check in ABAP Coding**

Uma N. Dulhare and P. Niranjan Reddy

235 **Automatic Testing of Client Server Software**

Manoj Kumar Pachariya

INDIACom 2008

Track 4: Other Emerging Technologies (C – II, III, IV)

30 **Knowledge Management & Creative HRM**
Ankur and V. N. Bajpai

37 **Current Research Issues in Data Mining**
Rakhi Garg

42 **e-Banking & Risk Management**
Gurendra Nath Bhardwaj and Amit Kumar Dwivedi

45 **Distributed Data Fusion and Mining**
Ashok Sharma

48 **e-Commerce: Its Application In e-Banking**
Swati Anand and R.C. Dangwal

INDIACom-2008

Track 4: Other Emerging Technologies (C – II, III, IV)

66 **e-Learning Aids (Case Study): Educational Sectors-Emerging Facilities**

Y. I. Shah and Abhijit Dongaonkar

71 **Radio Network Planning in WCDMA**

Ashish Sharma, Mithila Ahuja and Anshul Gupta

77 **High Speed Image and Sound Compression Based on Adaptive Vector Quantization**

Kalyan Mahata

86 **Analyzing Sales Patterns of Different Ethnic Groups using Data Mining**

Rajinder S. Chhillar, Nidhi Khurana and Barjesh Kochar

92 **ERP and e-Business: Transforming the Enterprise**

Tarun Gupta and Vaibhav Gupta

INDIACom-2008

Track 4: Other Emerging Technologies (C – II, III, IV)

98 **Research Problems in Data Warehouse**
Rajinder Singh Chhillar and Barjesh Kochar

99 **Automatic Speech Recognition: An Approach for Illiterate Access to Information Technology**
Manish Narwaria and K. A. Narayanan Kutty

103 **Wavelet Theory and Application in Biomedical Science**
Sanjeev Kumar and S. K. Yadav

117 **Exploring Multilevel Sequential Pattern Mining: A Data Centric Approach**
Ranjana Vyas and O. P. Vyas

118 **Integrated System: Case Study of Education Campus-Changa**
Reena Parmar and Ashwin Makwana

INDIACom-2008

Track 4: Other Emerging Technologies (C – II, III, IV)

131 **Effective Data Mining for Business Intelligence**
Reshma Desai

133 **Neural Network in Data Mining: Methodology & Challenges**
Sanjay K. Dubey

147 **Channel Scan in Zigbee**
Ashish Sharma, Pradeep Shokeen and Sumit Suri

150 **Cognition Techniques and it's Applications in Machine Perception**
Chandra Sekhar Panda and Srikanta Patnaik

151 **Network Alignment Tools for Novel Insight in Cellular Machinery**
Yash Dave

INDIACom-2008

Track 4: Other Emerging Technologies (C – II, III, IV)

163 **Image processing and its Applications**
Kavita Sheoran

167 **Hand Gesture Recognition Using Artificial Neural Network for Game Control**
Azra Mahrukh

176 **Trackability Aspect for Measuring Maintainability of Component Based Systems**
Arun Sharma, P. S. Grover and Rajesh Kumar

180 **Data Mining (Conceptual Multidimensional Data Model)**
Suman and Jitender Yadav

181 **Image Denoising and Compression using Wavelets Based Technique**
Vijay Dhir and Poonam Chalotra

INDIACom-2008

Track 4: Other Emerging Technologies (C – II, III, IV)

182 **A Nobel Concept: Reconfigurable Embedded Processor**

Sunil Kr. Singh, M. Kulkarni, Ravi Prakash and Shobhna Singh

183 **A Novel Method for Image Recognition and Reconstruction**

C. Nagaraju, A. Hima Sailaja and S. Anusha Naidu

186 **Business Intelligence: An Emerging Field and Need of Today**

Saurabh Garg

188 **Use of Information Technology Tools for SCM implementation–An Indian Industry Perspective**

Manjunath B, R. Mageshwaran and A. J. Prasad

193 **Game Theory**

Neha Asthana and Akansha Arora

INDIACom-2008

Track 4: Other Emerging Technologies (C – II, III, IV)

199 **Providing Guidance in the Decisional Meta Model**
Ritu Sibal and Kushagra Tiwari

206 **Multidimensional Cryptography: A Latency Free Election Technique**
Santosh Kumar Yadav, Sunder Lal and Kuldeep Bhardwaj

211 **Information Security System**
Shakuntala Choudhary

222 **Recent Trends in Database Technology**
Sunil Kr. Pandey

224 **An Analysis of Techniques for Improving Data Quality for Knowledge Discovery in Databases***Sarika Sharma, Rizwan Shaikh and Vipin Tyagi*

INDIACom-2008

Track 4: Other Emerging Technologies (C – II, III, IV)

229 **A New Approach of Association Rule Mining Algorithm with Error Estimation Techniques for Validating the Rules**

E. Ramaraj , N. Venkatesan and K. Rameshkumar

241 **GoogleAPI For Web Mining**

S. A . M. Rizvi and Saba Hilal

248 **Approaches of Neural Network in Image Compression**

Shikha Nirmal and Nitesh Tomar

257 **A Survey of Constraint Databases**

Syed Mohiuddin, T. Eshwar and S. Ramachandram

278 **Artificial Nerual Networks**

Premkumar R

INDIACom-2008

Track 4: Other Emerging Technologies (C – II, III, IV)

285 **Reaching Unreachable - Process of Building Knowledge Villages**

G. Tholkappia Arasu, M. Ramesh and V. Devalingam

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

A. Anand Rao	90	**Software Design Versioning and Version Management**
A. Hima Sailaja	183	**A Novel Method for Image Recognition and Reconstruction**
A. Hima Sailaja	190	**Morphological Transforms for Segmentation using Simple Crack Edges**
A. Hima Sailaja	192	**A Novel Method for Boundary Detection Based on Edge Flow Technique**
A. J. Prasad	188	**Use of Information Technology Tools for SCM implementation–An Indian Industry Perspective**
A. J. Prasad	189	**Key Project Management Issues for Successful ERP Implementation**
A. K. Mishra	140	**ICT Based Agro Advisory and e-Extension Approach for Sustainable Agricultural Development**
A. K. Saini	14	**Emerging ERP in e-India: To Revive, To Resolve, To Rejoice**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

A. K. Sinha	8	**Trip Generating Modeling using Artificial Neural Network**
A. Kush	88	**Power Aware Routing Scheme in Ad hoc Networks**
A. R. Ugale	283	**An Overview of a G2G e-Governance Software: MES Agri**
A. T. Gaikwad	72	**Online Transactions and Security Issues in Banking Operations**
A. Venugopal Reddy	65	**Simulation based Performance Comparison of Ad hoc Routing Protocols**
A. Venugopal Reddy	70	**HIMIP–Hierarchical Internet-MANET Integration Protocol**
Abha Sharma	226	**Software Process Improvement at CMM level 4: A Statistical Analysis**
Abhijit Dongaonkar	66	**e-Learning Aids (Case Study): Educational Sectors-Emerging Facilities**
Abhinav Srivastava	169	**e-Governace**

INDIACom 2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Abhishek Kr. Mishra	200	**Proposed Extended Geocast Adaptive Mesh Environment for Routing (EGAMER)**
Ajay S. Ramteke	201	**Decision Support System - Risk Assessment & Asset Valuation**
Ajendra Isaacs	268	**Automation of Libraries Through ICT Applications, a Tool to Empower National Development**
Ajmal Kafeel	82	**Software Implementation of the ECB Mode of Triple DES Standard**
Akansha Arora	193	**Game Theory**
Akash Punhani	259	**Optimizing Melting Rate and Fuel Consumption of Rotary Furnace using NSGA-II**
Akash Tayal	157	**Mobile Computing: Smart Application Using J2ME Technology (Suchana Samvahak)**
Akhilesh K. Sharma	49	**Organizational Approaches for Unit Testing**
Akhtar Husain	78	**Challenges and Proposed Solutions in the Migration to 4G Mobile**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Akhtar Shaikh	57	**Data Warehousing for e-Governance to Support Web Enabled Gradation System**
Amandeep Kaur	156	**Cryptography Techniques for Secure Communication**
Amit Choudhary	129	**Security for Mobile Ad-Hoc Networks**
Amit Choudhary	134	**Mobile Software Agents-Insect-Inspired Computing**
Amit Jain	50	**Constraints and Future Prospects of IT in Development of Modern India**
Amit Kumar Dwivedi	42	**e-Banking & Risk Management**
Amit Vishwakarmal	302	**e-Teacher of Chemistry**
Amita Jain	263	**On Generating 3NF Database Directly from the Class Model**
Amjad	258	**Secure Routing & Intrusion Detection in Ad hoc Networks**
Anees Ahmad	243	**Using Mobile Education System To Create AIDS Awareness In India**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Anisur Rehman Nasir	59	**Sensor Networks and its Applications**
Anita Goel	240	**Using Web Services for Distributed Computing**
Ankit Ajmani	303	**A Comparative Study on Constructive and Non-Constructive Supervised Learning Algorithm for Artificial Neural Networks**
Ankita Lathey	157	**Mobile Computing: Smart Application Using J2ME Technology (Suchana Samvahak)**
Ankur	30	**Knowledge Management & Creative HRM**
Ankur Gupta	281	**An Overview of Ranking Algorithms for Search Engines**
Anshul Gupta	71	**Radio Network Planning in WCDMA**
Anshuman Korpal	161	**Methodology to Optimize Electromechanical Architecture with Information Technology Support**
Anu Chandel	116	**Cryptographic Election Techniques**
Anupama Kaushik	68	**Security Enhancements in IPV6**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Anurag Shrivastava	236	**An Efficient Evaluation of Requirements Engineering Process Maturity Assessment and Improvement**
Archana R. Ugale	112	**Changing Scenario of SDLC and Role of SRS in the Success of Software**
Archana Tyagi	191	**IPv6 Security**
Arti Noor	277	**Implementation of AHB Interface as SDR-SDRAM Controller's CPU Interface**
Arun Sharma	176	**Trackability Aspect for Measuring Maintainability of Component Based Systems**
Arun Sharma	178	**Bitmap Indexing–A New Paradigm in Information Retrieval**
Arvinder Kaur	113	**Empirical Investigation to Find the Effect of Design Metrics on Fault Proneness**
Ashish Agarwal	195	**Guidelines and Case Study for Eliciting Security Requirements**
Ashish Sharma	71	**Radio Network Planning in WCDMA**
Ashish Sharma	147	**Channel Scan in Zigbee**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Ashok Sharma	45	**Distributed Data Fusion and Mining**
Ashutosh Kumar Bhatt	231	**e-Governance and it's Future Aspects**
Ashwani Kush	89	**Stable and Energy Efficient Routing for Ad hoc Mobile networks**
Ashwin Makwana	110	**Software Testing using Use Case Interaction**
Ashwin Makwana	118	**Integrated System: Case Study of Education Campus-Changa**
Atul D. Raut	218	**Query Processing for XML Databases**
Avadhesh Kumar	149	**A Critical Review of Cohesion Measures and Measurement Frameworks in Aspect-Oriented Systems**
Avijit Dutta	220	**An Emerging Perspective of ICT Assisted Knowledge Production**
Avishek Banerjee	221	**Dictionary Based Bengali-English Relevant CLIR**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Avishek Choudhury	208	**Prediction of Shoot Length at Maturity by Observing Initial Growth of Mustard Plant using Fuzzy Time Series Model**
Ayush Chaturvedi	144	**e-Waste Management in IT Industry: A Need for Paradigm Shift**
Azra Mahrukh	167	**Hand Gesture Recognition Using Artificial Neural Network for Game Control**
B. Majhi	274	**A Novel Approach for Visual Cryptography using a Watermarking Technique**
B. R. Prakash	217	**A Design of Security Protocol for Wireless Communication using Hybrid Encryption Technique**
B. R. Prakash	267	**Cryptography for Mobile Computing**
B. U. Choudhury	52	**Solid Waste Dumping Site Selection around Barnala City using Geoinformatics**
Baba M. Londhe	271	**e-Commerce: Classification, Architecture & Security Issues**
Baisa L. Gunjal	238	**Data Mining: Need & Applications**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Baisa L. Gunjal	271	**e-Commerce: Classification, Architecture & Security Issues**
Baisakhi Chakraborty	58	**Role of Knowledge Management in e-Governance for Quality of Growth**
Barjesh Kochar	86	**Analyzing Sales Patterns of Different Ethnic Groups using Data Mining**
Barjesh Kochar	97	**Data Mining–A Tool for Decision Makers**
Barjesh Kochar	98	**Research Problems in Data Warehouse**
Beerappa Rama Chandavarkar	47	**Next Generation Internet Protocol and its Current Trend**
Bhavana Gupta	207	**Statistical Analysis of Mutation in Breast Cancer**
Bhavika Varma	60	**Survey of Crop Yield Estimation Models with Emphasis on Artificial Neural Network Model**
Bhawana Narain	81	**Exploration of MANET Routing Protocols for Ubiquitous Healthcare**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Birendra Kumar	200	**Proposed Extended Geocast Adaptive Mesh Environment for Routing (EGAMER)**
Brajesh Kumar Singh	259	**Optimizing Melting Rate and Fuel Consumption of Rotary Furnace using NSGA-II**
C. Komalavalli	253	**Performance Comparison between SQL Server 2000 and Oracle 10g**
C. Nagaraju	183	**A Novel Method for Image Recognition and Reconstruction**
C. Nagaraju	190	**Morphological Transforms for Segmentation using Simple Crack Edges**
C. Nagaraju	192	**A Novel Method for Boundary Detection Based on Edge Flow Technique**
Chandra Sekhar Panda	150	**Cognition Techniques and it's Applications in Machine Perception**
Chhavi	119	**ICT as a Tool for Poverty Reduction**
Chitra M. Gaikwad	270	**Elliptic Curve Cryptography over Prime Field**

INDIACom-2008

Authors

D. C. Loshali	52	**Solid Waste Dumping Site Selection around Barnala City using Geoinformatics**
D. K. Mishra	265	**Privacy Preservation for Multiple Organization using Randomization Techniques**
D. Ramesh	217	**A Design of Security Protocol for Wireless Communication using Hybrid Encryption Technique**
D. Ramesh	267	**Cryptography for Mobile Computing**
Daya Gupta	195	**Guidelines and Case Study for Eliciting Security Requirements**
Debasish Jana	108	**An Object Oriented Fuzzy Rule Based Engine for Autonomic Systems**
Deepa P. Hebalkar	194	**Structured Approach for Requirement Elicitation**
Deepak Gandhi	276	**Quantum Computers & Fuzzy Logic**
Deepak Gour	284	**e-Learning: Technology, Models and Design Principles**

INDIACom-2008

Authors

Deepak Jain	228	**Retirement of Software: Another Milestone in SDLC**
Deepak Sinha	115	**Next Generation Internet**
Deepali D. Shahane	194	**Structured Approach for Requirement Elicitation**
Deepali Kamthania	303	**A Comparative Study on Constructive and Non-Constructive Supervised Learning Algorithm for Artificial Neural Networks**
Deepshikha Bhargava	261	**Computer Researchers Harnessing DNA for Computing**
Deepshikha Jamwal	225	**Critical Analysis of Software Usage Vs. Cost**
Deepti Salwan	304	**Business Intelligence in Financial Institutions**
Devanand	225	**Critical Analysis of Software Usage Vs. Cost**
Dharmendar Kumar	83	**The Face of ICT Exports in Developing Economies: A Case Study**
Dharmender Saini	53	**Authentication to Authorization: A Review**

INDIACom-2008

Authors

Dharminder Kumar	83	**The Face of ICT Exports in Developing Economies: A Case Study**
Dheeraj Mehrotra	25	**IT Skills: The Quality Interface**
Dipti Kapoor Sarmah	27	**Comparisons of Mobile Routing Protocols**
Divya Arora	261	**Computer Researchers Harnessing DNA for Computing**
Divya Goel	291	**e-Commerce Challenges in Developing Countries**
Divya Leekha	194	**Structured Approach for Requirement Elicitation**
Dongar Singh Knnojiya	254	**Performance Analysis of Routing Protocols for Mobile Ad-Hoc Networks**
Durgesh K. Mishra	122	**Anti Packet Sniffing: A Zero Hacking**
Durgesh K. Mishra	128	**Performance Comparison of Various MANET Routing Protocols for VBR Traffic**
Durgesh K. Mishra	125	**SMC Adversaries and Minimizing their Effects for Privacy-Preserving Data Mining**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Durgesh Pant	84	**Moving Towards SMART Governance Electronic Governance Framework for Uttarakhand**
Durgesh Pant	231	**e-Governance and it's Future Aspects**
E. P. Lal	268	**Automation of Libraries Through ICT Applications, a Tool to Empower National Development**
E. Ramaraj	227	**A Better Performed Transaction Reduction Algorithm for Mining Frequent Itemsets from Large Voluminous Database**
E. Ramaraj	229	**A New Approach of Association Rule Mining Algorithm with Error Estimation Techniques for Validating the Rules**
G. Ramesh	174	**TCP Performance in Heterogeneous Wireless Networks**
G. Ramesh	175	**A Study on Network Disaster Protection and Packet vs. Flow-Based Anomaly Detection**
G. Tholkappia Arasu	285	**Reaching Unreachable - Process of Building Knowledge Villages**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

G. Vadivu	36	**Interactive Web Data Management Techniques with Diverse Data Sources**
Ganesh Chandra Deka	43	**ICT a Tool for Rural Employment and Good Governance**
Garima Singh	97	**Data Mining–A Tool for Decision Makers**
Gaurag Patkar	177	**Steganography with Least Significant Bit Insertion Algorithm**
Gaurav Manchanda	161	**Methodology to Optimize Electromechanical Architecture with Information Technology Support**
Gaurav Manchanda	164	**Agri Central: A centralized IT based Infrastructure for Agricultural Development in India**
Geetika Dhand	162	**Information Hiding Techniques**
Geetu Mehndiratta	127	**Optical Orthogonal Codes**
Gowri Shankar A.	187	**An Active Defense Machanism for TCP SYN Flooding Attacks**

INDIACom 2008

Authors

Gurendra Nath Bhardwaj	42	**e-Banking & Risk Management**
H. Chandrasekaran	140	**ICT Based Agro Advisory and e-Extension Approach for Sustainable Agricultural Development**
H. R. Shashidhar	189	**Key Project Management Issues for Successful ERP Implementation**
H. S. Nagalakshmi	216	**Successful e-Governance Projects in Karnataka-A Case Study**
Harendra Kumar	159	**Systematic Allocation of Tasks for Load Balancing in Distributed Computing Environment**
Harish Karnatak	269	**Multicriteria Spatial Decision Analysis using Spatial Compromise Programming**
Harpinder Singh	52	**Solid Waste Dumping Site Selection around Barnala City using Geoinformatics**
Harshali Patil	262	**KHOJ: A Predictive System for Managing Natural and Talent Resources**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Harsimerjeet Khurana	39	**IT in Rural India: Challenges Ahead**
Hemant Kumar Mehta	249	**Performance Enhancement of Scheduling Algorithms in Web Server Clusters using Improved Dynamic Load Balancing Policies**
Hemendra Kumar	158	**A Comparative Study of K-Means and PAM Algorithms Using Leukemia Datasets**
J. Jaya	177	**Steganography with Least Significant Bit Insertion Algorithm**
J. K. Mandal	120	**A Session Key Based Secure-Bit Encryption Technique (SBET)**
J. Pal Choudhury	208	**Prediction of Shoot Length at Maturity by Observing Initial Growth of Mustard Plant using Fuzzy Time Series Model**
J. Pal Choudhury	209	**A Framework for the Development of New Approach of Playfair Cipher**
Jadhav Shital B.	297	**Software Defect and Defect Measurement**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Jaspreet Singh Arora	246	**WiMAX–A Solution for the Educational Sector: An in Depth Study for Practical Implementation in Educational and Allied Institutions**
Jatinder Singh	214	**Comparative Study of Intrusion Detection Techniques for Wireless LAN**
Jayshree Krishnan	234	**e-Learning: A Tool to Survive Ongoing Technological Changes**
Jayshree Krishnan	233	**Factors Influencing SQL Injection & Common Prevention Techniques**
Jeetendra Pande	56	**A Comparison of Predictive Efficiency of ANN and Linear Regression Technique for Crop Yield Estimation**
Jeetendra Pande	60	**Survey of Crop Yield Estimation Models with Emphasis on Artificial Neural Network Model**
Jitender Yadav	180	**Data Mining (Conceptual Multidimensional Data Model)**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Jitesh B. Dundas	33	**Object-Oriented Software Development Life Cycle**
Jugmendra Singh	160	**A Heuristic Tasks Allocation Model for Computer Communication Network**
Jyotirmay Patel	143	**AI in Cooperative Distance Learning**
Jyotsna Kumar Mandal	121	**A Permutative Cipher Technique (PCT) to Enhance the Security of Network Based Transmission**
K. A. Narayanan Kutty	99	**Automatic Speech Recognition: An Approach for Illiterate Access to Information Technology**
K. C. Joshi	196	**Dependability and Fault Tolerant Computing**
K. K. Mishra	259	**Optimizing Melting Rate and Fuel Consumption of Rotary Furnace using NSGA-II**
K. L. Sharma	242	**Information Technology Based Health Extension Centre for Remote Villages**

INDIACom-2008

Authors

K. Madhavi	90	**Software Design Versioning and Version Management**
K. P. Tripathi	74	**MIS in Organization is a Tool to Decision Making**
K. Rameshkumar	227	**A Better Performed Transaction Reduction Algorithm for Mining Frequent Itemsets from Large Voluminous Database**
K. Rameshkumar	229	**A New Approach of Association Rule Mining Algorithm with Error Estimation Techniques for Validating the Rules**
K. S. Vaisla	237	**Eprocurement Model in e-Governance Framework of Uttarakhand to Provide B2B, G2B and B2G ECommerce Applications**
K. S. Vaisla	239	**Modified Authentication Protocol of X.509– Directory Authentication Services**
K. Thirupathi Rao	272	**Evolutionary Approach for Designing Survivable Systems**
K. V. N Sunitha	197	**Speech Recognition Tools in Local Language for Kissan Help**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

K. Veera Bhadra Rao	63	**A Software Process Evaluation Method for Small Organizations Combining ISO/ IEC 14598 and CMMI**
Kadam Sonali P.	297	**Software Defect and Defect Measurement**
Kaleem Ahmed Usmani	96	**Securing Mobile Ad hoc Networks**
Kalyan Mahata	77	**High Speed Image and Sound Compression Based on Adaptive Vector Quantization**
Kamal M. Alaskar	57	**Data Warehousing for e-Governance to Support Web Enabled Gradation System**
Kamlesh Dutta	299	**Resource Allocation Protocol for Rich Media Wireless Networks**
Kamlesh Dutta	300	**M^{3}eG: Multilingual,Multimedia and Multimodal Framework for e-Governance**
Kanwaldeep Singh	97	**Data Mining–A Tool for Decision Makers**
Kapil Suchdeo	128	**Performance Comparison of Various MANET Routing Protocols for VBR Traffic**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Karamjit Bhatia	269	**Multicriteria Spatial Decision Analysis using Spatial Compromise Programming**
Kashfina Kapadia	287	**Modeling Chlorine Residuals in Water Distribution Network Using EPANET 2.0 Software**
Kavita Das	132	**Role of MANET in Disaster Management**
Kavita Sheoran	163	**Image processing and its Applications**
Kavita Upadhyay	56	**A Comparison of Predictive Efficiency of ANN and Linear Regression Technique for Crop Yield Estimation**
Khaleel Ur Rahman Khan	65	**Simulation based Performance Comparison of Ad hoc Routing Protocols**
Khaleel Ur Rahman Khan	70	**HIMIP–Hierarchical Internet-MANET Integration Protocol**
Kuldeep Bhardwaj	206	**Multidimensional Cryptography: A Latency Free Election Technique**

INDIACom 2008

Authors

Kushagra Tiwari	199	**Providing Guidance in the Decisional Meta Model**
L. M. Waghmare	111	**More Efficient Genetic Algorithm for Tuning Optimal PID Controller**
L. M. Waghmare	155	**More Efficient Genetic Algorithm for Tuning Optimal PID Controller**
L. Pushparani Devi	215	**ICT: A New Horizon of School Education**
L. Sashikumar Singh	215	**ICT: A New Horizon of School Education**
Lakshmi Kalyani	282	**e-Learning Governance: A Novel Way for Imparting e-Learning Initiatives**
Lakshmi Rajamani	153	**Disconnected Mode of Operations in Mobile Environments**
Latika Kharb	135	**ATCM: Aspect Trust & Certification Model for Verifying Issues of Aspect -Oriented Software Development**
Latika Kharb	138	**Coupling-Based Testing Techniques for Object-Oriented Languages**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Latika Kharb	142	**Assessment of Component Criticality with Proposed Metrics**
Latika Kharb	146	**Revisiting AMD (Aspect-Method Dependencies Metric for Coupling) for Measurement**
Lavkush Sharma	259	**Optimizing Melting Rate and Fuel Consumption of Rotary Furnace using NSGA-II**
Laxmi Ahuja	178	**Bitmap Indexing–A New Paradigm in Information Retrieval**
Love Kush	78	**Challenges and Proposed Solutions in the Migration to 4G Mobile**
M. A. Peer	247	**Software Optimal Release Policy and Reliability Growth Modeling**
M. B. Panbu	286	**Integration of Offset PIN Derivation Methods in GSM System to Prevent SIM Cloning**
M. J. Lengare	111	**More Efficient Genetic Algorithm for Tuning Optimal PID Controller**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

M. J. Lengare	155	**More Efficient Genetic Algorithm for Tuning Optimal PID Controller**
M. K. Sharma	84	**Moving Towards SMART Governance Electronic Governance Framework for Uttarakhand**
M. K. Sharma	231	**e-Governance and it's Future Aspects**
M. K. Sharma	237	**Eprocurement Model in e-Governance Framework of Uttarakhand to Provide B2B, G2B and B2G ECommerce Applications**
M. K. Tiwari	81	**Exploration of MANET Routing Protocols for Ubiquitous Healthcare**
M. K. Tiwari	132	**Role of MANET in Disaster Management**
M. Kulkarni	182	**A Nobel Concept: Reconfigurable Embedded Processor**
M. N. Doja	53	**Authentication to Authorization: A Review**
M. N. Doja	258	**Secure Routing & Intrusion Detection in Ad hoc Networks**

INDIACom-2008

Authors

M. N. Hoda	301	**Security Consideration for Voice Over Internet Protocol Systems**
M. N. Hoda	303	**A Comparative Study on Constructive and Non-Constructive Supervised Learning Algorithm for Artificial Neural Networks**
M. P. Singh	159	**Systematic Allocation of Tasks for Load Balancing in Distributed Computing Environment**
M. P. Singh	160	**A Heuristic Tasks Allocation Model for Computer Communication Network**
M. Ramesh	285	**Reaching Unreachable - Process of Building Knowledge Villages**
M. Salim Beg	295	**Software Defined Radio: Technology and Application**
M. U. Bokhari	207	**Statistical Analysis of Mutation in Breast Cancer**
Madhavi Sinha	105	**Individualized Learning through Intelligent Tutoring System**

INDIACom-2008

Authors

Madhavi Sinha	141	**Role of CBR based Web ITS in Effectiveness of Teaching and Learning**
Madhulika Bhelotkar	256	**e-Governance in India: Way to Success**
Maher Ibrahim	55	**A Framework for Building Standard System Data Dictionary**
Malaya Kumar Nayak	76	**Agile Project Management-Redefining the Role of Managers**
Mamta Malik	148	**Bridging the Digital Divide through Electronic Knowledge Based Panchayat**
Manas Paul	121	**A Permutative Cipher Technique (PCT) to Enhance the Security of Network Based Transmission**
Manas Ranjan Patra	76	**Agile Project Management-Redefining the Role of Managers**
Manish Narwaria	99	**Automatic Speech Recognition: An Approach for Illiterate Access to Information Technology**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Manish Pandey	273	**Data Warehousing and a Support System for the Development of Herbs & Medicinal Plants in Himalaya**
Manju Suchdeo	128	**Performance Comparison of Various MANET Routing Protocols for VBR Traffic**
Manjunath B	188	**Use of Information Technology Tools for SCM implementation–An Indian Industry Perspective**
Manohar Chandwani	125	**SMC Adversaries and Minimizing their Effects for Privacy-Preserving Data Mining**
Manohar Chandwani	249	**Performance Enhancement of Scheduling Algorithms in Web Server Clusters using Improved Dynamic Load Balancing Policies**
Manoj Kapil	115	**Next Generation Internet**
Manoj Kumar	213	**A Directed-Threshold Multi-Signature Scheme**
Manoj Kumar Pachariya	235	**Automatic Testing of Client Server Software**
Mansi Agrawal	169	**e-Governace**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Mansotra V.	225	**Critical Analysis of Software Usage Vs. Cost**
Manuj Darbari	236	**An Efficient Evaluation of Requirements Engineering Process Maturity Assessment and Improvement**
Maya Ingle	252	**A New Development Approach: Test Driven Development**
Mehaboob Alam	78	**Challenges and Proposed Solutions in the Migration to 4G Mobile**
Milind	301	**Security Consideration for Voice Over Internet Protocol Systems**
Mirza Zainab	279	**Software Requirement Engineering through Use Case**
Misbah Ur Rahman	82	**Software Implementation of the ECB Mode of Triple DES Standard**
Mithila Ahuja	71	**Radio Network Planning in WCDMA**
Moiz Qyser A. A.	63	**A Software Process Evaluation Method for Small Organizations Combining ISO/ IEC 14598 and CMMI**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Monika Arora	253	**Performance Comparison between SQL Server 2000 and Oracle 10g**
Monika Bhardwaj	67	**e-Governance: Government for the People**
Mumtaz Alam	61	**Application of Analytic Hierarchy Process in Environmental Performance Assessment and its Implementation using MATLAB Program**
N. Ahmed	247	**Software Optimal Release Policy and Reliability Growth Modeling**
N. K. Gupta	268	**Automation of Libraries Through ICT Applications, a Tool to Empower National Development**
N. Kalyani	197	**Speech Recognition Tools in Local Language for Kissan Help**
N. Venkatesan	227	**A Better Performed Transaction Reduction Algorithm for Mining Frequent Itemsets from Large Voluminous Database**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

N. Venkatesan	229	**A New Approach of Association Rule Mining Algorithm with Error Estimation Techniques for Validating the Rules**
Narina Thakur	32	**Auto Radio News Reader Using SAPI & VB.NET**
Narinder Singh	52	**Solid Waste Dumping Site Selection around Barnala City using Geoinformatics**
Nasib Singh Gill	136	**Cryptography + Stegnography Helps in Creating Secure Information Technology Infrastructure for Data Transmission with the Help of DNA Computing and Bioinfomatics**
Nasib Singh Gill	137	**Object + Component + Aspect Oriented Software Development: All are Interrelated but have Different Development & Practitioner View**
Nasib Singh Gill	145	**Need and Nature of Verification and Validation in Component-Based Software Development**

INDIACom-2008

Authors

Neeraj Saxena	240	**Using Web Services for Distributed Computing**
Neeta Bhatt	245	**New Horizon for Security Checking– Biometrics**
Neha Asthana	193	**Game Theory**
Nidhi Agarwal	24	**Complexity Removal in Test Driven Development**
Nidhi Bahuguna	164	**Agri Central: A centralized IT based Infrastructure for Agricultural Development in India**
Nidhi Khurana	86	**Analyzing Sales Patterns of Different Ethnic Groups using Data Mining**
Nimit Gupta	64	**Information Technology: A tool to Consumer Education and Rights, an Empirical Study**
Niraja Jain	172	**The Next Generation Internet Protocol**
Niraja Jain	173	**Analysis of Iris Recognition Algorithms**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Nitesh Tomar	248	**Approaches of Neural Network in Image Compression**
Nitin D. Nayak	112	**Changing Scenario of SDLC and Role of SRS in the Success of Software**
Nitin D. Nayak	283	**An Overview of a G2G e-Governance Software: MES Agri**
Nonika Bajaj	184	**Automation Testing–Applying Intelligence**
Nupur Prakash	96	**Securing Mobile Ad hoc Networks**
Nupur Prakash	179	**Role of Search Engines in Intelligent Information Retrieval on Web**
Nupur Prakash	299	**Resource Allocation Protocol for Rich Media Wireless Networks**
Nupur Prakash	300	**M^3eG: Multilingual,Multimedia and Multimodal Framework for e-Governance**
O. P. Rishi	141	**Role of CBR based Web ITS in Effectiveness of Teaching and Learning**
O. P. Vyas	81	**Exploration of MANET Routing Protocols for Ubiquitous Healthcare**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

O. P. Vyas	117	**Exploring Multilevel Sequential Pattern Mining: A Data Centric Approach**
O. P. Vyas	132	**Role of MANET in Disaster Management**
Om Prakash Gupta	104	**Implementation of ERP System for Effective Management of Co-operative Sugar Industries–A Case Study of Sahyadri SSK Ltd Shiravade-Karad (M.S.)**
Om Prakash Gupta	298	**Development of Web Based Client Server System (WBCS) for Reduction of Paper Work at Primary Health Centres (PHC)**
P. K. Litoria	52	**Solid Waste Dumping Site Selection around Barnala City using Geoinformatics**
P. K. Sharma	52	**Solid Waste Dumping Site Selection around Barnala City using Geoinformatics**
P. K. Yadav	160	**A Heuristic Tasks Allocation Model for Computer Communication Network**
P. Niranjan Reddy	154	**Building Reusable Software Component for Optimization Check in ABAP Coding**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

P. P. Patil	298	**Development of Web Based Client Server System (WBCS) for Reduction of Paper Work at Primary Health Centres (PHC)**
P. S. Grover	149	**A Critical Review of Cohesion Measures and Measurement Frameworks in Aspect-Oriented Systems**
P. S. Grover	176	**Trackability Aspect for Measuring Maintainability of Component Based Systems**
P. S. K. Krishna Valli	69	**Exploiting Shared Cache for Cache Coherence in Multiprocessors**
P. S. Tiwari	242	**Information Technology Based Health Extension Centre for Remote Villages**
Pallavi Gupta	295	**Software Defined Radio: Technology and Application**
Pallavi Sinha	27	**Comparisons of Mobile Routing Protocols**
Pankaj Agarkar	172	**The Next Generation Internet Protocol**
Pankaj Agarkar	173	**Analysis of Iris Recognition Algorithms**

INDIACom-2008

Authors

Parag Parandkar	170	**Understanding Key Issues Related to Mixed Signal VLSI Design**
Parag Parandkar	171	**Integration of Mixed Signal Components on System on Chip**
Parul Agarwal	232	**A Fuzzy Algorithm for Scheduling Real Time Jobs in Multiprocessor Systems**
Parul Arora	301	**Security Consideration for Voice Over Internet Protocol Systems**
Phalguni Gupta	89	**Stable and Energy Efficient Routing for Ad hoc Mobile networks**
Pinaki Chakraborty	219	**The Design of a Pedagogical Operating System**
Pooja Dhanrajani	130	**Mining Unstructured Data-A Study of Text Mining**
Pooja Gautam	245	**New Horizon for Security Checking–Biometrics**
Pooja Raundale	262	**KHOJ: A Predictive System for Managing Natural and Talent Resources**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Poonam Chalotra	181	**Image Denoising and Compression using Wavelets Based Technique**
Poorvi Vaidya	252	**A New Development Approach: Test Driven Development**
Prabhjot Kaur	68	**Security Enhancements in IPV6**
Prachi Vats	139	**Data Mining and Customer Relationships**
Pradeep Kumar Yadav	159	**Systematic Allocation of Tasks for Load Balancing in Distributed Computing Environment**
Pradeep Shokeen	147	**Channel Scan in Zigbee**
Pradeep Tomar	136	**Cryptography + Stegnography Helps in Creating Secure Information Technology Infrastructure for Data Transmission with the Help of DNA Computing and Bioinfomatics**
Pradeep Tomar	137	**Object + Component + Aspect Oriented Software Development: All are Interrelated but have Different Development & Practitioner View**

INDIACom-2008

Authors

Pradeep Tomar	145	**Need and Nature of Verification and Validation in Component-Based Software Development**
Prajyot Mainkar	168	**Network and Information Security**
Pranita N. Palsapure	264	**OFDM System for Different Modulation Technique**
Prateek Singh	44	**A Data Mining Framework for Business Intelligence**
Prateek Singh	46	**Node Energy Conserving Routing Protocol (NECRP) for Mobile Ad Hoc Networks**
Prema P. Nair	85	**Revamping Organisations through ICT: Rat Race at Work Place**
Premkumar R	278	**Artificial Nerual Networks**
Priyesh Kanungo	249	**Performance Enhancement of Scheduling Algorithms in Web Server Clusters using Improved Dynamic Load Balancing Policies**
Puneet Kumar	305	**A Stereo Vision Algorithm for Exploration Rovers**

INDIACom 2008

Authors

R. B. Iyengar	203	**An e-Governance Solution for the Ministry of Corporate Affairs**
R. D. Kumbhar	104	**Implementation of ERP System for Effective Management of Co-operative Sugar Industries–A Case Study of Sahyadri SSK Ltd Shiravade-Karad (M.S.)**
R. G. Gupta	219	**The Design of a Pedagogical Operating System**
R. H. Chile	111	**More Efficient Genetic Algorithm for Tuning Optimal PID Controller**
R. H. Chile	155	**More Efficient Genetic Algorithm for Tuning Optimal PID Controller**
R. Jehadeesan	275	**Grid Infrastructure for Collaborative High Performance Scientific Computing**
R. K. Bharti	239	**Modified Authentication Protocol of X.509–Directory Authentication Services**
R. Kumar	88	**Power Aware Routing Scheme in Ad hoc Networks**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

R. Mageshwaran	188	**Use of Information Technology Tools for SCM implementation–An Indian Industry Perspective**
R. Mageshwaran, Manjunath B	189	**Key Project Management Issues for Successful ERP Implementation**
R. V. Kulkarni	54	**A Framework for Knowledge Management Methods, Practices and Technologies**
R.C. Dangwal	48	**e-Commerce: Its Application In e-Banking**
Rachna Jain	32	**Auto Radio News Reader Using SAPI & VB.NET**
Rafi U Zaman	65	**Simulation based Performance Comparison of Ad hoc Routing Protocols**
Rafi U. Zaman	70	**HIMIP–Hierarchical Internet-MANET Integration Protocol**
Raja Banthia	276	**Quantum Computers & Fuzzy Logic**

INDIACom-2008

Authors

Rajeev Paulus	268	**Automation of Libraries Through ICT Applications, a Tool to Empower National Development**
Rajender Singh	135	**ATCM: Aspect Trust & Certification Model for Verifying Issues of Aspect -Oriented Software Development**
Rajender Singh	138	**Coupling-Based Testing Techniques for Object-Oriented Languages**
Rajender Singh	142	**Assessment of Component Criticality with Proposed Metrics**
Rajender Singh	146	**Revisiting AMD (Aspect-Method Dependencies Metric for Coupling) for Measurement**
Rajendra Sharma	140	**ICT Based Agro Advisory and e-Extension Approach for Sustainable Agricultural Development**
Rajesh Kumar	149	**A Critical Review of Cohesion Measures and Measurement Frameworks in Aspect-Oriented Systems**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Rajesh Kumar	176	**Trackability Aspect for Measuring Maintainability of Component Based Systems**
Rajesh Narang	51	**e-Governance–Looking Beyond IT Governance**
Rajinder S. Chhillar	86	**Analyzing Sales Patterns of Different Ethnic Groups using Data Mining**
Rajinder Singh Chhillar	97	**Data Mining–A Tool for Decision Makers**
Rajinder Singh Chhillar	98	**Research Problems in Data Warehouse**
Rajni Jindal	281	**An Overview of Ranking Algorithms for Search Engines**
Rakesh Agarwal	184	**Automation Testing–Applying Intelligence**
Rakesh S. Patil	238	**Data Mining: Need & Applications**

INDIACom-2008

Authors

Rakesh S. Patil	271	**e-Commerce: Classification, Architecture & Security Issues**
Rakhi Garg	37	**Current Research Issues in Data Mining**
Rakhi Patrick	27	**Comparisons of Mobile Routing Protocols**
Ram S. Mangrulkar	274	**A Novel Approach for Visual Cryptography using a Watermarking Technique**
Ramjeet Singh Yadav	143	**AI in Cooperative Distance Learning**
Ramprakash	179	**Role of Search Engines in Intelligent Information Retrieval on Web**
Ranjana Vyas	117	**Exploring Multilevel Sequential Pattern Mining: A Data Centric Approach**
Rashmi Jha	14	**Emerging ERP in e-India: To Revive, To Resolve, To Rejoice**
Rashmi Singh	253	**Performance Comparison between SQL Server 2000 and Oracle 10g**

INDIACom 2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Ravendra Kumar Gupta	24	**Complexity Removal in Test Driven Development**
Ravi Prakash	164	**Agri Central: A centralized IT based Infrastructure for Agricultural Development in India**
Ravi Prakash	182	**A Nobel Concept: Reconfigurable Embedded Processor**
Ravindra B. Gawali	271	**e-Commerce: Classification, Architecture & Security Issues**
Reena Dadhich	210	**Virtual Private Network Development for Storage Houses**
Reena Parmar	118	**Integrated System: Case Study of Education Campus-Changa**
Rekha Govil	141	**Role of CBR based Web ITS in Effectiveness of Teaching and Learning**
Reshma Desai	131	**Effective Data Mining for Business Intelligence**
Rina Parmar	110	**Software Testing using Use Case Interaction**

INDIACom-2008

Authors

Rinky Dwivedi	254	**Performance Analysis of Routing Protocols for Mobile Ad-Hoc Networks**
Ritu Sibal	199	**Providing Guidance in the Decisional Meta Model**
Rizwan Shaikh	224	**An Analysis of Techniques for Improving Data Quality for Knowledge Discovery in Databases**
Rohinish Khurana	39	**IT in Rural India: Challenges Ahead**
Rohit Verma	83	**The Face of ICT Exports in Developing Economies: A Case Study**
Roshie Nanda	198	**Introducing the Fuzzy Association Rules**
Ruchika Gupta	101	**Bioinformatics, Bonding Genes with IT**
Ruchika Gupta	100	**Cryptography**
Ruchika Malhotra	113	**Empirical Investigation to Find the Effect of Design Metrics on Fault Proneness**
Rupal Bhatt	255	**Awareness of Network and Information Security for Common Person**

INDIACom-2008

Authors

Rupal Sinha	122	**Anti Packet Sniffing: A Zero Hacking**
S. A . M. Rizvi	241	**GoogleAPI For Web Mining**
S. A. M. Rizvi	55	**A Framework for Building Standard System Data Dictionary**
S. A. M. Rizvi	243	**Using Mobile Education System To Create AIDS Awareness In India**
S. Anusha Naidu	183	**A Novel Method for Image Recognition and Reconstruction**
S. Anusha Naidu	190	**Morphological Transforms for Segmentation using Simple Crack Edges**
S. Anusha Naidu	192	**A Novel Method for Boundary Detection Based on Edge Flow Technique**
S. H. Abbas Mehdi	233	**Factors Influencing SQL Injection & Common Prevention Techniques**
S. H. Abbas Mehdi	246	**WiMAX–A Solution for the Educational Sector: An in Depth Study for Practical Implementation in Educational and Allied Institutions**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

S. H. Abbas Mehdi	234	**e-Learning: A Tool to Survive Ongoing Technological Changes**
S. K. Muttoo	223	**Relevance of Steganography, in general, and Graph Theoratic Approach in particular, in Indian Security Concern and Measure**
S. K. Yadav	103	**Wavelet Theory and Application in Biomedical Science**
S. M. K. Quadri	247	**Software Optimal Release Policy and Reliability Growth Modeling**
S. Magesh	286	**Integration of Offset PIN Derivation Methods in GSM System to Prevent SIM Cloning**
S. N. Talbar	172	**The Next Generation Internet Protocol**
S. N. Talbar	173	**Analysis of Iris Recognition Algorithms**
S. P. Tripathi	236	**An Efficient Evaluation of Requirements Engineering Process Maturity Assessment and Improvement**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

S. R. Bhadra Chaudhuri	208	**Prediction of Shoot Length at Maturity by Observing Initial Growth of Mustard Plant using Fuzzy Time Series Model**
S. Ramachandram	257	**A Survey of Constraint Databases**
S. Som	120	**A Session Key Based Secure-Bit Encryption Technique (SBET)**
Saba Hilal	241	**GoogleAPI For Web Mining**
Saba Hilal	243	**Using Mobile Education System To Create AIDS Awareness In India**
Sadiq	62	**Estimation of the Size of the Software Projects with High Complexity Using Function Point**
Salman Abdul Moiz	69	**Exploiting Shared Cache for Cache Coherence in Multiprocessors**
Salman Abdul Moiz	153	**Disconnected Mode of Operations in Mobile Environments**
SAM Rizvi	179	**Role of Search Engines in Intelligent Information Retrieval on Web**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Sameena Naaz	232	**A Fuzzy Algorithm for Scheduling Real Time Jobs in Multiprocessor Systems**
Sameer Saran	269	**Multicriteria Spatial Decision Analysis using Spatial Compromise Programming**
Samiksha Shukla	265	**Privacy Preservation for Multiple Organization using Randomization Techniques**
Sampada Gulawani	54	**A Framework for Knowledge Management Methods, Practices and Technologies**
Sanasam Bimol	215	**ICT: A New Horizon of School Education**
Sanjay K. Dubey	133	**Neural Network in Data Mining: Methodology & Challenges**
Sanjay Kumar Gupta	196	**Dependability and Fault Tolerant Computing**
Sanjay Kumar Malik	179	**Role of Search Engines in Intelligent Information Retrieval on Web**

INDIACom 2008

Authors

Sanjay T. Singh	46	**Node Energy Conserving Routing Protocol (NECRP) for Mobile Ad Hoc Networks**
Sanjay T. Singh	44	**A Data Mining Framework for Business Intelligence**
Sanjeev Kumar	103	**Wavelet Theory and Application in Biomedical Science**
Sanjeev Kumar Prasad	260	**Performance Comparison of MANET Routing Protocols**
Sanjib K. Sahu	212	**Information Technology for Disaster Management: Need of the Hour**
Santosh Kumar Yadav	116	**Cryptographic Election Techniques**
Santosh Kumar Yadav	206	**Multidimensional Cryptography: A Latency Free Election Technique**
Sapna Gupta	277	**Implementation of AHB Interface as SDR-SDRAM Controller's CPU Interface**
Saravanan K.	187	**An Active Defense Machanism for TCP SYN Flooding Attacks**

INDIACom-2008

Authors

Sarika Sharma	224	**An Analysis of Techniques for Improving Data Quality for Knowledge Discovery in Databases**
Sarita Garg	64	**Information Technology: A tool to Consumer Education and Rights, an Empirical Study**
Saroj Kaushik	299	**Resource Allocation Protocol for Rich Media Wireless Networks**
Saroj Kaushik	300	**M^{3}eG: Multilingual,Multimedia and Multimodal Framework for e-Governance**
Satya Singh	143	**AI in Cooperative Distance Learning**
Satyendra Nath Mandal	208	**Prediction of Shoot Length at Maturity by Observing Initial Growth of Mustard Plant using Fuzzy Time Series Model**
Satyendra Nath Mandal	209	**A Framework for the Development of New Approach of Playfair Cipher**
Saurabh Garg	186	**Business Intelligence: An Emerging Field and Need of Today**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Saurav Kumar	305	**A Stereo Vision Algorithm for Exploration Rovers**
Savita	129	**Security for Mobile Ad-Hoc Networks**
Savita Ahlawat	134	**Mobile Software Agents-Insect-Inspired Computing**
Seeja K. R.	79	**Cryptography and National Security**
Shabbir Ahmed	62	**Estimation of the Size of the Software Projects with High Complexity Using Function Point**
Shahanawaj Ahamad	50	**Constraints and Future Prospects of IT in Development of Modern India**
Shailender Gupta	116	**Cryptographic Election Techniques**
Shaily Malik	95	**Software Verification & Validation**
Shakuntala Choudhary	211	**Information Security System**
Shalini Jain	228	**Retirement of Software: Another Milestone in SDLC**
Shalini Vermani	124	**Electronic Voting-An Emerging Technique**

INDIACom-2008

Authors

Sharvari Tamane	204	**Content Based Image Retrieval using High Level Semantic Features**
Shashank Sahu	205	**A New Concept in Automated Structural Testing for C Programs: Considering "for" Loop**
Shikha Nirmal	248	**Approaches of Neural Network in Image Compression**
Shilpa Bhalerao	252	**A New Development Approach: Test Driven Development**
Shiv Kumar	140	**ICT Based Agro Advisory and e-Extension Approach for Sustainable Agricultural Development**
Shivendra Goel	161	**Methodology to Optimize Electromechanical Architecture with Information Technology Support**
Shivendra Goel	8	**Trip Generating Modeling using Artificial Neural Network**
Shivendra Goel	291	**e-Commerce Challenges in Developing Countries**

INDIACom-2008

Authors

Shobhna Singh	182	**A Nobel Concept: Reconfigurable Embedded Processor**
Shoukat Ali	153	**Disconnected Mode of Operations in Mobile Environments**
Shruti Kohli	107	**Exploring Vulnerabilities of Threat to e-Commerce with Popularity of Search Engine**
Shruti Sabharwal	277	**Implementation of AHB Interface as SDR-SDRAM Controller's CPU Interface**
Shubha Mishra	236	**An Efficient Evaluation of Requirements Engineering Process Maturity Assessment and Improvement**
Shubhra Saggar	296	**Controlling Remote Desktop**
Shweta	157	**Mobile Computing: Smart Application Using J2ME Technology (Suchana Samvahak)**
Shweta Mahlawat	105	**Individualized Learning through Intelligent Tutoring System**
Somnath B. Thigale	35	**The Challenges in Security Management**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Sona Jandial	91	**Artificial Neural Network Applied to Data Mining: The Commercial Perspective**
Sonali Bhatnagar	127	**Optical Orthogonal Codes**
Soniya N. Kakade	202	**Computer Networks-Networking and Security**
Sonu Gupta	93	**Leaner Software Development**
Soumya Maitra	108	**An Object Oriented Fuzzy Rule Based Engine for Autonomic Systems**
Srikanta Patnaik	150	**Cognition Techniques and it's Applications in Machine Perception**
Sudarvizhi Kulothungan	106	**Implementation of Decision Trees using Iterative Dichotomizer (ID3) Algorithm**
Sudeep Marwaha	179	**Role of Search Engines in Intelligent Information Retrieval on Web**
Sudhir N. Limaye	302	**e-Teacher of Chemistry**
Suhas H. Patil	238	**Data Mining: Need & Applications**
Suja T. Venkateswaran	250	**Creating a Unified Citizen Database**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Suman	180	**Data Mining (Conceptual Multidimensional Data Model)**
Sumant Katiyal	170	**Understanding Key Issues Related to Mixed Signal VLSI Design**
Sumant Katiyal	171	**Integration of Mixed Signal Components on System on Chip**
Sumit Suri	147	**Channel Scan in Zigbee**
Sunder Lal	206	**Multidimensional Cryptography: A Latency Free Election Technique**
Sunder Lal	213	**A Directed-Threshold Multi-Signature Scheme**
Sunil Kr. Pandey	222	**Recent Trends in Database Technology**
Sunil Kr. Singh	182	**A Nobel Concept: Reconfigurable Embedded Processor**
Supriya Shivhare	87	**Coding Standards**
Surendra Choudhary	210	**Virtual Private Network Development for Storage Houses**

INDIACom 2008

Authors

Surjeet Singh	94	**e-Governance Initiatives: District Ambala (Haryana)**
Sushil Kumar Azad	305	**A Stereo Vision Algorithm for Exploration Rovers**
Sushila Saran	100	**Cryptography**
Swapan Bhattacharyya	221	**Dictionary Based Bengali-English Relevant CLIR**
Swati Anand	48	**e-Commerce: Its Application In e-Banking**
Swati Arora	67	**e-Governance: Government for the People**
Swati Gupta	185	**Network and Information Security: A Challenging Issue**
Syed Khaver Hussaini	69	**Exploiting Shared Cache for Cache Coherence in Multiprocessors**
Syed Mohiuddin	257	**A Survey of Constraint Databases**
T. Eshwar	257	**A Survey of Constraint Databases**
T. M. Pattewar	218	**Query Processing for XML Databases**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Tamanna Siddiqui	294	**A KDD Tool for Automated Discovery of Knowledge**
Tarun Gupta	92	**ERP and e-Business: Transforming the Enterprise**
Terence Johnson	251	**A New Approach to Clustering in Data Mining**
Thenmozhi	36	**Interactive Web Data Management Techniques with Diverse Data Sources**
Tripti Sharma	260	**Performance Comparison of MANET Routing Protocols**
Udayan Ghosh	130	**Mining Unstructured Data-A Study of Text Mining**
Uma N. Dulhare	154	**Building Reusable Software Component for Optimization Check in ABAP Coding**
Umang Singh	301	**Security Consideration for Voice Over Internet Protocol Systems**
Uttam Kr. Mondal	209	**A Framework for the Development of New Approach of Playfair Cipher**

INDIACom 2008

Authors

V. Devalingam	285	**Reaching Unreachable - Process of Building Knowledge Villages**
V. K. Nassa	114	**Empowering WiMax Networking in Education**
V. K. Sharma	158	**A Comparative Study of K-Means and PAM Algorithms Using Leukemia Datasets**
V. M. Chavan	72	**Online Transactions and Security Issues in Banking Operations**
V. M. Chavan	74	**MIS in Organization is a Tool to Decision Making**
V. N. Bajpai	30	**Knowledge Management & Creative HRM**
Vaibhav Gupta	92	**ERP and e-Business: Transforming the Enterprise**
Vaishali Patil	262	**KHOJ: A Predictive System for Managing Natural and Talent Resources**
Vijay Dhir	181	**Image Denoising and Compression using Wavelets Based Technique**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Vijay Maithil	226	**Software Process Improvement at CMM level 4: A Statistical Analysis**
Vikas Atri	67	**e-Governance: Government for the People**
Vinay Kumar	223	**Relevance of Steganography, in general, and Graph Theoratic Approach in particular, in Indian Security Concern and Measure**
Vinita Rohilla	95	**Software Verification & Validation**
Vinod Sharma	225	**Critical Analysis of Software Usage Vs. Cost**
Vipin Tyagi	224	**An Analysis of Techniques for Improving Data Quality for Knowledge Discovery in Databases**
Vipul V. Bag	35	**The Challenges in Security Management**
Vivek Kumar Singh	236	**An Efficient Evaluation of Requirements Engineering Process Maturity Assessment and Improvement**
Vrushali V. Jadhav	112	**Changing Scenario of SDLC and Role of SRS in the Success of Software**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Vrushali V. Jadhav	283	**An Overview of a G2G e-Governance Software: MES Agri**
Y. I. Shah	66	**e-Learning Aids (Case Study): Educational Sectors-Emerging Facilities**
Yash Dave	151	**Network Alignment Tools for Novel Insight in Cellular Machinery**
Yash Dave	152	**Content-Based Filtering for controlling web access**
Yogendra Kulkarni	168	**Network and Information Security**
Yogesh Bani	274	**A Novel Approach for Visual Cryptography using a Watermarking Technique**
Yogesh Kumar Mittal	205	**A New Concept in Automated Structural Testing for C Programs: Considering “for” Loop**
Yogesh Singh	113	**Empirical Investigation to Find the Effect of Design Metrics on Fault Proneness**
Yogita S. Pagar	270	**Elliptic Curve Cryptography over Prime Field**

INDIACom-2008

Authors

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

Zulfa Shaikh 288 **Congestion Control in Secure Multiparty Computation**

INDIACom-2008