

Acharya Institute of Technology, Bangalore-560090

Research & Development Efforts

A. Research Papers in journals (published, sent to publisher, in the pipeline, working paper)

Prof. C K Marigowda

Sl. No.	Title of the research paper	Journal (Name, Volume, Issue & Page Nos.)	Authors & Co authors	International/National	ISSN/ISBN&Country	Impact factor	H Index
1	"Analysis of security mechanisms against Denial-of-Service attack in wireless sensor networks"	<i>Elixir international Journal of Network Engineering</i> , 69 (2014) 22956-22960	C K Marigowda and Sunanda Golgeri	International Journal	2229-712X, India	Poland Value (ICV) is 5.79	
2	"Security vulnerability issues in wireless sensor networks: A Short Survey"	<i>International Journal of Advanced Research in Computer and Communication Engineering</i> Vol. 2, Issue 7, July 2013,	<u>C. K. Marigowda</u> and <u>Manjunath</u>	International Journal	ISSN (Print) : 2319-5940 ISSN (Online) : 2278-1021, Impact factor 1.77.	1.770	
3	"A Secured Transport System by authenticating Vehicles and Drivers using RFID"	Advances in Intelligent and Soft Computing, 2012, Volume 167/2012, 313-321, DOI: 10.1007/978-3-642-30111-7_30	<u>C. K. Marigowda</u> , <u>Dr. J. Thriveni</u> and <u>Javid K. Karangi</u>	Second International Conference on Computer Science, Engineering and Applications (ICCSEA-2012)	Springer Link / India		

Prof. Manjunath T N

Sl. No.	Title of the research paper	Journal (Name, Volume, Issue & Page Nos.)	Authors & Co authors	International/National	ISSN/ISBN&Country	Impact factor	H Index
1	<i>The Descriptive Study of Knowledge Discovery from Web Usage Mining</i>	<i>IJCSI International Journal of Computer Science Issues, Vol. 8, Issue 5, No 1, September 2011</i>	<i>Prof. Manjunath T N Prof. Ravindra S Hegadi Prof. Yogesh</i>	<i>International</i>	<i>ISSN (Online): 1694-0814</i>	<i>0.242</i>	
2	<i>Improving the Diffusion power of AES Rijndael with key multiplication</i>	<i>International Journal of Computer Applications (0975 - 8887), Volume 30- No.5, September 2011</i>	<i>Prof. Manjunath T N Prof. Ravindra S Hegadi</i>	<i>International</i>	<i>ISSN :(0975 - 8887)</i>	<i>0.88</i>	
3	<i>Experimental Study of Various Data Masking Techniques with Random Replacement using data volume</i>	<i>(IJCSIS) International Journal of Computer Science and Information, Security, Vol. 9, No. 8, August 2011</i>	<i>Prof. Manjunath T N Prof. Ravindra S Hegadi Prof. RaviKumar G K</i>	<i>International</i>	<i>ISSN 1947-5500</i>	<i>0.5</i>	
4	<i>Cross Industry Survey on Data mining Applications</i>	<i>International Journal of Computer Science and Information Technologies, Vol. 2 (2) , 2011, 624-628</i>	<i>Prof. Manjunath T N Prof. Ravindra S Hegadi Prof. RaviKumar G K</i>	<i>International</i>	<i>ISSN : 0975-9646</i>	<i>5</i>	

5	<i>Automated Data Validation for Data Migration Security</i>	<i>International Journal of Computer Applications, Volume 30- No.6, September 2011</i>	<i>Prof. Manjunath T N Prof. Ravindra S Hegadi</i>	<i>International</i>	<i>ISSN :(0975 – 8887)</i>	<i>0.88</i>	
6	<i>Analysis of Data Quality Aspects in Data Warehouse Systems</i>	<i>International Journal of Computer Science and Information Technologies, Vol. 2 (1) , 2011, 477-485</i>	<i>Prof. Manjunath T N Prof. Ravindra S Hegadi Prof. Ravikumar G K</i>	<i>International</i>	<i>ISSN : 0975-9646</i>	<i>5</i>	
7	<i>A STUDY ON SAMPLING TECHNIQUES FOR DATA TESTING</i>	<i>International Journal of Computer Science and Communication, Vol. 3, No. 1, January-June 2012, pp. 13-16</i>	<i>Prof. Manjunath T N Prof. Ravindra S Hegadi</i>	<i>International</i>		<i>0.45</i>	
8	<i>A Study on Dynamic Data Masking with its Trends and Implications</i>	<i>International Journal of Computer Applications), Volume 38- No.6, January 2012</i>	<i>Prof. Manjunath T N Prof. Ravindra S Hegadi Prof. Ravikumar G K</i>	<i>International</i>	<i>ISSN :0975 – 8887</i>	<i>0.88</i>	
9	<i>Realistic Analysis of Data Warehousing and Data Mining Application in Education Domain</i>	<i>International Journal of Machine Learning and Computing, Vol. 2, No. 4, August 2012</i>	<i>Prof. Manjunath T N Prof. Ravindra S Hegadi</i>	<i>International</i>			
10	<i>A CASE STUDY ON REGRESSION TEST AUTOMATION FOR DATA WAREHOUSE QUALITY ASSURANCE</i>	<i>International Journal of Information Technology and Knowledge Management July-December 2012, Volume 5, No. 2, pp. 239-243</i>	<i>Prof. Manjunath T N Prof. Ravindra S Hegadi Prof. Ravikumar G K</i>	<i>International</i>		<i>0.475</i>	
11	<i>A Survey on Data Mining Application for Sericulture Domain</i>	<i>International Journal of Research in Computer Science and Information Technology(IJRCSIT), Volume 2, Issue 1, July 2013</i>	<i>Prof. Manjunath T N Prof. Ravindra S Hegadi Prof. Ramya M C</i>	<i>International</i>	<i>ISSN : 2319-5010</i>	<i>0.22</i>	

12	<i>Column segregation for data security</i>	<i>International Journal of Research in Computer Science and Information Technology(IJRCSIT), Volume 2, Issue 1, July 2013</i>	<i>Prof. Manjunath T N Mr. Clement</i>	<i>International</i>	<i>ISSN : 2319-5010</i>	<i>0.5</i>	
13	<i>Data Management using Ring-based Index for Wireless Sensor Networks</i>	<i>International Journal of Computer Applications(IJCA), Volume 83 – No.16, December 2013</i>	<i>Prof. Manjunath T N Mr. Dasprakash</i>	<i>International</i>	<i>ISSN (0975 – 8887)</i>	<i>0.88</i>	
14	<i>An Affective Index Based Topology for Wireless Sensor Networks Application</i>	<i>International Journal of Research in Computer Science and Information Technology(IJRCSIT), Volume 2, Issue 1, July 2013</i>	<i>Prof. Manjunath T N Mr. Dasprakash</i>	<i>International</i>	<i>ISSN : 2319-5010</i>	<i>0.4</i>	

Prof. Sudarsanan D

Sl. No.	Title of the research paper	Journal (Name, Volume, Issue & Page Nos.)	Authors & Co authors	International/National	ISSN/ISBN&Country	Impact factor	H Index
1	<i>A study on Routing Attacks and Key solutions in MANETS</i>	<i>International Journal of Mobile and Adhoc Network (IJMAN), ISSN (Online) 2231:6825, Vol 3, issue 4, November 2013</i>	<i>Prof. Sudarsanan D Megha.J Sharanabasava</i>	<i>International</i>	<i>ISSN (Print) 2249–202X</i>	<i>3.56</i>	
2	<i>A study on Wireless Mesh Network with Hierarchical Cluster</i>	<i>Global Journal of Engineering, Design & Technology, Vol). 2(4) 45-50 Sep-Oct 2013</i>	<i>Prof. Sudarsanan D Megha.J Sharanabasava</i>	<i>International</i>	<i>ISSN: (Online)2319-7293</i>	<i>2.5</i>	

3	<i>Hierarchical Clustering Approach to Reduce Message Collision in Wireless Mesh Network</i>	<i>International Journal of Mobile & Adhoc Network, Vol 4 issue 3 Aug. 2014 290</i>	<i>Prof. Sudarsanan D Megha.J Sharanabasava</i>	<i>International</i>	<i>ISSN (Online):2230:9039</i>		
4	<i>HASH Mechanism to Secure the AODV Protocol in MANETs</i>	<i>International journal of Emerging Trends in Science and Technology , Volume 01 Issue 05 Pages 579-584 July </i>	<i>Prof. Sudarsanan D Megha.J</i>	<i>International</i>	<i>ISSN (Print):2231:2153, ISSN 2348-9480</i>	<i>1.925</i>	

Prof. Mahesh G

Sl. No.	Title of the research paper	Journal (Name, Volume, Issue & Page Nos.)	Authors & Co authors	International/National	ISSN/ISBN&Country	Impact factor	H Index
1	<i>Soft computing technique based intelligent call admission control decision mechanism</i>	<i>Elixir Network Engg</i>	<i>Dr.Ramesh Babu H S Dr. Gowrishankar Mahesh G Sathyanarayan P S</i>	<i>International</i>	<i>ISSN :2229-72X</i>	<i>5.79</i>	
2	<i>Integrating Quality of Service, Call Admission Control and Pricing for User Classes in Next Generation Wireless Networks</i>	<i>International Journal of Advanced Research in Computer Science, Volume 3, No. 2, March-April 2012</i>	<i>Mahesh G Dr. Gowrishankar Dr.Ramesh Babu H S</i>	<i>International</i>	<i>ISSN No. 0976-5697</i>	<i>2.08</i>	
3	<i>Differential access model for user class based call Admission control mechanism in next generation wireless nw</i>	<i>International Journal of wireless communication, Vol. 4, Issue 3, No 7, May 2012</i>	<i>Mahesh G Dr. Gowrishankar Dr.Ramesh Babu H S</i>	<i>International</i>	<i>ISSN :0974-7496</i>		

4	<i>Channel Reservation Model for User Class Based Admission Control in Next Generation Wireless Networks</i>	<i>IJCSI International Journal of Computer Science Issues, Vol. 9, Issue 3, No 2, May 2012</i>	<i>Mahesh G Dr. Gowrishankar Dr.Ramesh Babu H S</i>	<i>International</i>	<i>ISSN (Online): 1694-0814</i>	<i>0.242</i>	
5	<i>Channel partitioning model for user class based call admission control in next generation wireless networks</i>	<i>Elixir Network Engg</i>	<i>Mahesh G Dr. Gowrishankar Dr.Ramesh Babu H S</i>	<i>International</i>	<i>ISSN :2229-72X</i>	<i>5.79</i>	
6	<i>Channel Partitioning with Queuing Model for User Class based Call Admission Control in Next Generation Wireless Networks</i>	<i>International Journal of Computer Applications, Volume 45- No.12, May 2012</i>	<i>Mahesh G Dr. Gowrishankar Dr.Ramesh Babu H S</i>	<i>International</i>	<i>ISSN: (0975 – 8887)</i>	<i>0.821</i>	
7	<i>Fuzzy Logic based Call Admission Control for Next Generation Wireless Networks</i>	<i>International Journal of Advanced Research in Computer and Communication Engineering, Vol. 3, Issue 8, August 2014</i>	<i>Mahesh G Yeshwanth S Dr. Gowrishankar</i>	<i>International</i>	<i>ISSN (Online) : 2278-1021 ISSN (Print) : 2319-5940</i>	<i>2.08</i>	

Prof. Umapathi G R

Sl. No.	Title of the research paper	Journal (Name, Volume, Issue & Page Nos.)	Authors & Co authors	International/National	ISSN/ISBN&Country	Impact factor	H Index
1	<i>Study on Resource Allocation in Wireless Mesh Network</i>	<i>International Journal of Emerging Technology and Advanced Engineering, ISO 9001:2008 Certified Journal, Volume 4, Issue 1, January 2014)</i>	<i>Prof. Umapathi G R Kusuma</i>	<i>International</i>	<i>ISSN :2250-2459</i>	<i>3.84</i>	

2	<i>Optimal Resource Allocation in Wireless Mesh Network</i>	<i>International Journal of Computer Science and Information Technologies, Vol. 5 (5) , 2014, 6022-6026</i>	<i>Prof. Umapathi G R Kusuma</i>	<i>International</i>	<i>ISSN:0975-9646</i>	5	
3	<i>Implementation of Optimization of Latency in Wireless Mesh Network</i>	<i>International Journal of Computer Science and Information Technologies, Vol. 5 (5) , 2014, 6010-6015</i>	<i>Prof. Umapathi G R Amlon Roy</i>	<i>International</i>	<i>ISSN:0975-9646</i>	5	
4	<i>A Comprehensive Study on Channel Assignment in Wireless Mesh Networks</i>	<i>International Journal of Engineering Research & Technology (IJERT), Vol. 3 Issue 1, January - 2014</i>	<i>Prof. Umapathi G R Amlon Roy</i>	<i>International</i>	<i>ISSN: 2278-0181</i>	1.76	
5	<i>A Comparative Study on Advances in LEACH Routing Protocol for Wireless Sensor Networks: A survey</i>	<i>International Journal of Advanced Research in Computer and Communication Engineering, Vol. 3, Issue 2, February 2014</i>	<i>Prof. Umapathi G R, Alakesh Berman</i>	<i>International</i>	<i>ISSN (Online) : 2278-1021 ISSN (Print) : 2319-5940</i>	1.77	
6	<i>ILEACH- AN INTEGRATED LEACH ROUTING PROTOCOL FOR ELONGATING THE NETWORK LIFETIME FOR WSN</i>	<i>International Journal of Emerging Trends & Technology in Computer Science (IJETTCS), Volume 3, Issue 4, July-August 2014</i>	<i>Prof. Umapathi G R Dr Ramesh babu H S, Alakesh Berman</i>	<i>International</i>	<i>ISSN 2278-6856</i>	2.524	

Prof. Kala Vishesh

Sl. No.	Title of the research paper	Journal (Name, Volume, Issue & Page Nos.)	Authors & Co authors	International/National	ISSN/ISBN&Country	Impact factor	H Index
1	<i>Centralized Heart Rate Monitoring and Automated Message Alert System using WBAN</i>	<i>International Journal of Scientific and Research Publications, 2014</i>	<i>Prof. KalaVishesh</i>	<i>International</i>	<i>ISSN 2250-3153</i>	<i>1.6825</i>	
2	<i>A SURVEY ON ARCHITECTURES, APPLICATIONS AND ISSUES OF SENSOR-CLOUD</i>	<i>International Journal of Computer Engineering and Technology (IJCET), Volume 5, Issue 9, September (2014), pp.</i>	<i>Prof. KalaVishesh</i>	<i>International</i>	<i>ISSN 0976-6367(Print), ISSN 0976 - 6375(Online)</i>	<i>8.5328</i>	

Prof. Tanuja K

Sl. No.	Title of the research paper	Journal (Name, Volume, Issue & Page Nos.)	Authors & Co authors	International/National	ISSN/ISBN&Country	Impact factor	H Index
1	<i>Content Based Retrieval Of Kannada Document Image From Multilingual Document Image</i>	<i>International Journal of Engineering Research & Technology (IJERT), Vol. 1 Issue 8, October - 2012</i>	<i>Tanuja K Nitya E Dr.RameshBabu D S</i>	<i>International</i>	<i>ISSN: 2278-0181</i>	<i>0.814</i>	
2	<i>A Comparison of Various Edge Detection Techniques for Kannada Text Image Document</i>	<i>International Journal of Engineering Research & Technology (IJERT), Vol. 2 Issue 10, October - 2013</i>	<i>Prof. Tanuja K Prof. Usha Kumari V</i>	<i>International</i>	<i>ISSN: 2278-0181</i>	<i>0.814</i>	
3	<i>Kannada Text Image Matching (KTIM) Algorithm</i>	<i>International Journal of Engineering Research & Technology (IJERT), Vol. 2 Issue 11, November - 2013</i>	<i>Prof. Tanuja K Prof. Usha Kumari V</i>	<i>International</i>	<i>ISSN: 2278-0181</i>	<i>0.814</i>	

Prof. Usha Kumari

Sl. No.	Title of the research paper	Journal (Name, Volume, Issue & Page Nos.)	Authors & Co authors	International/National	ISSN/ISBN&Country	Impact factor	H Index
1	<i>A Comparison of Various Edge Detection Techniques for Kannada Text Image Document</i>	<i>International Journal of Engineering Research & Technology (IJERT), Vol. 2 Issue 10, October - 2013</i>	<i>Prof. Usha Kumari V Prof. Tanuja K</i>	<i>International</i>	<i>ISSN: 2278-0181</i>	<i>0.814</i>	
2	<i>Kannada Text Image Matching (KTIM) Algorithm</i>	<i>International Journal of Engineering Research & Technology (IJERT), Vol. 2 Issue 11, November - 2013</i>	<i>Prof. Usha Kumari V Prof. Tanuja K</i>	<i>International</i>	<i>ISSN: 2278-0181</i>	<i>0.814</i>	

Prof. Chaitra B

Sl. No.	Title of the research paper	Journal (Name, Volume, Issue & Page Nos.)	Authors & Co authors	International/National	ISSN/ISBN&Country	Impact factor	H Index
1	<i>E-Healthcare Billing and Record Management Information System using Android with Cloud</i>	<i>IOSR Journal of Computer Engineering (IOSR-JCE), Volume 11, Issue 4 (May. - Jun. 2013), PP 13-19</i>	<i>Vanitha .T.N Prof Narasimha murthy, Prof Chaitra.B</i>	<i>International</i>	<i>e-ISSN: 2278-0661, p-ISSN: 2278-8727</i>	<i>1.686</i>	
2	<i>Cloud Vision Using MOCHA Architecture on Jelastic Cloud</i>	<i>International Journal of Engineering and Innovative Technology (IJEIT), Volume 2, Issue 11, May 2013</i>	<i>Swetha.K.B Prof Narasimha murthy, Prof Chaitra.B</i>	<i>International</i>	<i>ISSN: 2277-3754 ISO 9001:2008</i>	<i>1.913</i>	

Prof. Prathibhavani P M

Sl. No.	Title of the research paper	Journal (Name, Volume, Issue & Page Nos.)	Authors & Co authors	International/National	ISSN/ISBN&Country	Impact factor	H Index
1	<i>A comparative analysis cross layer routing techniques</i>	<i>International Conference On Emerging Computation and Information Technologies (ICECIT-2013), Elsevier, November 22nd and 23rd 2013.</i>	<i>Prof. Prathibhavani P M Vijay Reshma</i>	<i>International</i>	<i>ISBN: 9789351071761</i>	<i>0.423</i>	
2	<i>A Review on Cross Layer Routing Techniques</i>	<i>International Journal of Scientific and Research Publications(ISRP), Volume 3, Issue 9, September 2013</i>	<i>Prof. Prathibhavani P M Vijay Reshma</i>	<i>International</i>	<i>ISSN 2250-3153</i>	<i>1.6825</i>	
3	<i>Character conscious partial data algorithm in WSN</i>	<i>ANUSANDHANA - Journal of Science, Engineering and Management, Vol-02, Issue-02, December 2013</i>	<i>Prof. Prathibhavani P M Sandeep Roshan Karthik Tilak</i>	<i>International</i>	<i>ISSN: 2231-4032</i>	<i>0.75</i>	
4	<i>Data Security in WSN with multipath randomised disperative router</i>	<i>International Journal of scientific and engineering research(IJSER), VOL-4, Issue 12, Dec-2013</i>	<i>Prof. Prathibhavani P M Nagadev</i>	<i>International</i>	<i>ISSN 2229-5518</i>	<i>3.2</i>	

Prof. Gangadharaiah

Sl. No.	Title of the research paper	Journal (Name, Volume, Issue & Page Nos.)	Authors & Co authors	International/National	ISSN/ISBN&Country	Impact factor	H Index
1	<i>Context Aware Resource Allocation in Distributed Sensor Networks</i>	<i>International Journal of Wireless & Mobile Networks (IJWMN), Vol. 4, No. 2, April 2012</i>	<i>Prof. Lokesh. B. Prof. Bhajantri, Prof. Nalini. N, Prof. Gangadharaiah. S</i>	<i>International</i>		<i>0.57</i>	
2	<i>Network Centric Warfare: A Survey</i>	<i>International Journal of Computer Networks and Wireless Communications (IJCNWC), Vol.4, No1, February 2014</i>	<i>Prof. Gangadharaiah S. Umashankar M. Hallur Shanoor S. Jamadar</i>	<i>International</i>	<i>ISSN: 2250-3501</i>	<i>0.421</i>	
3	<i>SOFT REAL TIME AUCTION SCHEME FOR TASK ALLOCATION IN WIRELESS SENSOR NETWORKS</i>	<i>IJRET: International Journal of Research in Engineering and Technology, Volume: 03 Issue: 04 Apr-2014,</i>	<i>Prof. Gangadharaiah S. Umashankar M. Hallur</i>	<i>International</i>	<i>eISSN: 2319-1163 / pISSN: 2321-7308</i>	<i>1.55</i>	

Prof. Amogh P K

Sl. No.	Title of the research paper	Journal (Name, Volume, Issue & Page Nos.)	Authors & Co authors	International/National	ISSN/ISBN&Country	Impact factor	H Index
1	<i>Survey on Hadoop and Introduction to YARN</i>	<i>International Journal of Emerging Technology and Advanced Engineering, ISO 9001:2008 Certified Journal, Volume 4, Issue 5, May 2014)</i>	<i>Prof. Amogh P Kulkarni Mahesh K</i>	<i>International</i>	<i>ISSN 2250-2459</i>	<i>3.84</i>	

Prof.Chandrakala H T

Sl. No.	Title of the research paper	Journal (Name, Volume, Issue & Page Nos.)	Authors & Co authors	International/National	ISSN/ISBN&Country	Impact factor	H Index
1	<i>A Font and Size Independent Content Based Retrieval System for Kannada Document Images</i>	<i>Int.J.Computer Technology & Applications, Vol 4 (2),196-201</i>	<i>Chandrakala H T Nitya E Dr.RameshBabu D S</i>	<i>International</i>	<i>ISSN:2229-6093</i>	<i>0.6</i>	
2	<i>A Kannada Document Image Retrieval System based on Correlation Method</i>	<i>International Journal of Computer Applications, Volume 77- No.3, September 2013</i>	<i>Chandrakala H T</i>	<i>International</i>	<i>ISSN:(0975 – 8887)</i>	<i>0.821</i>	

Prof. Chayapathi A R

Sl. No.	Title of the research paper	Journal (Name, Volume, Issue & Page Nos.)	Authors & Co authors	International/National	ISSN/ISBN&Country	Impact factor	H Index
1	<i>ENERGY EFFICIENT ROUTING TECHNIQUES IN WIRELESS SENSOR NETWORK</i>	<i>International Journal of Scientific Research Engineering & Technology (IJSRET), Volume 3, Issue 8, November 2014</i>	<i>Prof. Chayapathi A R Prof. Raviteja</i>	<i>International</i>	<i>ISSN 2278 – 0882</i>	<i>2.1</i>	