

FACULTY NAME:

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PH.D GUIDANCE

LIST OF PAPERS PUBLISHED IN INTERNATIONAL JOURNALS

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PH.D GUIDANCE :

SL. no	THESIS TITLE	SCHOLAR NAME	STATUS	GUIDANCE
1.	Abstraction Based Efficient Algorithms for Clustering Large Datasets	Mrs. Radhika M Pai	Completed December, 2007	Single Principal Supervisor
2.	Abstraction and Knowledge based Mining of Inter-database Association Rules	Mrs. Santhi Thilagam	Completed April 2008	Single Principal Supervisor
3.	A QoS Broker Based Architecture for Dynamic Web Services and Compositions	Mr. Demian Antony D'Mello	Completed October, 2010	Single Principal Supervisor
4.	Abstraction Based Mining of Quantitative Association Rules	Mr. Preetham Kumar	Completed December, 2009	Single Principal Supervisor
5.	Decentralized Registry Based Web Services Architecture For Location Based Services	Mr. Melwyn D'Souza	Completed May, 2015	Single Principal Supervisor
6.	Web UR: Effective Techniques for Web Usage Mining and Recommender System	Mrs. Poornalatha	Completed October, 2013	Joint Supervisor
7.	DWDS: A Scalable, Context-Aware Framework for Distributed Web Service Discovery using Semantics	Mrs. Sowmya Kamath S	Completed , June, 2016	Single Principal Supervisor
8.	Effective Multimedia Document Representations for Knowledge Discovery	Ms. Pushpalatha K	In Progress (Synopsis submitted)	Single Principal Supervisor
9.	Design and Development of Trusted Semantic Framework for Context Aware Sensor Driven Pervasive Environment	Mr. Karthik N	In Progress	Single Principal Supervisor
10.	An Efficient Framework for Information Retrieval From Linked Data	Mr. Sakti Murugan R	In Progress	Single Principal Supervisor
11.	Area : Big Data	Mr. Rathinaraja J	In Progress	Single Principal Supervisor

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3. "Dynamic Tree Structure for Efficient Classification",
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72. “An Approach for Multimedia Information Retrieval Based on Harmonized Representation of Multimedia”
Pushpalatha K, Ananthanarayana V.S.
8th International Conference on Image and Signal Processing (ICISP) 2014, 25th - 27th, July 2014, UVCE, Bangalore.
73. “Detection and Classification of Object”
Sulochan Naik, Ananthanarayana V.S.
2nd International Conference on Emerging Research in Computing, Information, Communication and Applications (ERCICA) 2014, 1st - 2nd August, NMAMIT, Bangalore
74. “An Improved Association Rule Mining for Distributed System with Load Balancing”
Alok Kumar, Ananthanarayana V.S.
2nd International Conference on Emerging Research in Computing, Information, Communication and Applications (ERCICA) 2014, 1st - 2nd August, NMAMIT, Bangalore
75. [“Similarity Analysis of Service Descriptions for Efficient Web Service Discovery”](#)
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76. "[A Service Crawler Framework for Similarity based Web Service Discovery](#)",
Sowmya Kamath S and Ananthanarayana V.S.
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78. "[Change Propagation Based Incremental Data Handling in Web Service Discovery Framework](#)"
Sowmya Kamath S and Ananthanarayana V.S.
14th IEEE Symposium on Signal Processing and Information Technology (IEEE-ISSPIT 2014), 15 - 17 December, 2014, New Delhi, India
79. "[A New Glowworm Swarm Optimization Based Clustering Algorithm for Multimedia Documents](#) "
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80. "Comparative Performance Evaluation of Semi-automatic WSDL to OWL-S Mapping Tools"
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81. "Document Classification with a Weighted Frequency Pattern Tree algorithm"
Froila Dsouza, Ananthanarayana V.S.
IEEE International Conference on Data Mining and Advanced Computing (SAPIENCE) to be held on 16-18 March 2016, Ernakulam, India
82. "Data Trustworthiness in Wireless Sensor Networks"
Karthik N and Ananthanarayana V.S.
A workshop paper in 15th IEEE International Conference on Trust, Security and Privacy in Computing and Communications (IEEE TrustCom-16)
Tianjin, China, 23-26 August, 2016

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LIST OF PAPERS PUBLISHED IN NATIONAL CONFERENCES (6)

1. "Association Rule Mining : A Survey from Database Perspective",
Ananthanarayana, V.S., National Conference on Recent Trends in DBMS Concept and Practice, 2002. pg 85 – 104.
2. "Pattern Tree Based Mining of Multi-databases for Associations",
Ananthanarayana, V.S.,
National Conference on Distributed Computing, Nitte, March 5 – 6, 2004.
3. "Pattern Mining in Ubiquitous Environment : A Review"
Santhi Thilagam, P., Soumya Hegde, Ananthanarayana, V.S.,
National Conference on Ubiquitous Computing, Nitte, 2006, pg 15 – 17.
4. "An Improvement to the RPC-tree based Clustering Algorithm"
Radhika M Pai, Ananthanarayana V.S
Proceedings of the National Conference on Recent Advancements in Information Technology (NCRAIT 2007), Sri Ramakrishna Engineering College Coimbatore, Feb 9 – 10, 2007.
5. "Knowledge-base Based Character Recognition System for Filled Application Forms"
Ananthanarayana V.S.
KU-NITK Joint Seminar on Recent Advances in Engineering and Technology at Inamori Auditorium, Kagoshima University, November 27 – 28, 2008.
6. "Wave Collision in Fluid"
Vikram Kushwaha, Ananthanarayana V.S., B.R. Shankar,
Proceedings of Indian Conference on Computer Vision, Graphics, Image and Video Processing (ICCVGIVP 2009), Nagpur, 13th – 14th March, 2009.

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LIST OF TECHNICAL REPORTS (4)

1. "Mining for Frequent Valuesets (Itemsets): A Review from the Database Perspective",
Ananthanarayana, V.S., Narasimha Murty, M., Subramanian, D.K.,
Technical Report, IISc-CSA-2000-3, Dept. of Computer Science and Automation, Indian
Institute of Science, Bangalore.
2. "An Efficient Mining of Dominant Entity Based Association Rules in Multi Databases",
Subramanian, D.K., Ananthanarayana, V.S., Narasimha Murty, M.
Technical Report, IISc-CSA-2000-4, Dept. of Computer Science and Automation, Indian
Institute of Science, Bangalore.
3. "Generation of Inter-Database Association Rules Based on Semantic Networks",
Subramanian, D.K., Ananthanarayana, V.S., Narasimha Murty, M.
Technical Report, IISc-CSA-1999-6, Dept. of Computer Science and Automation, Indian
Institute of Science, Bangalore.
4. "DPCP : An Efficient Solution for Fully Replicated UDDI"
V.S. Ananthanarayana, K. Vidyasankar
Technical Report, Dept. of Computer Science, Memorial University of Newfoundland,
CANADA, 2005.

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BOOK CHAPTERS:

1. Composition of Location Based Services in Decentralized Registry Based Architecture
Kavita Kumari, Melwyn D'Souza, VS Ananthanarayana
Book: Advances in Computing and Information Technology, Pages 391-400
Publisher Springer Berlin Heidelberg, 2013.
http://link.springer.com/chapter/10.1007%2F978-3-642-31600-5_38
2. Attribute-TID method for discovering sequence of attributes
P Kumar, Ananthanarayana V.S.
Book: Data Engineering and Management, Pages 333-340, 2012.
Publisher Springer Berlin Heidelberg
http://link.springer.com/chapter/10.1007%2F978-3-642-27872-3_49
3. An Efficient Mining of Dominant Entity Based Association Rules in Multi-databases
VS Ananthanarayana
Book: Advances in Wireless, Mobile Networks and Applications Pages
91-100, Publisher Springer Berlin Heidelberg, 2011.
http://link.springer.com/chapter/10.1007%2F978-3-642-21153-9_9

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SPONSORED RESEARCH AND CONSULTANCY UNDERTAKEN

- Subject Material Expert (SME) for the Web based course material development on “Distributed Computing Systems”.
 - Agency : NPTEL, Funded by MHRD, Govt. of India.
- R & D Project : Distributed Computing and Web Services
 - Duration : 3½ Yrs from March 2007.
 - Budget : 5 Lakhs
 - Agency : Start-up grant, NITK
 - Principal Investigator : Dr. Ananthanarayana V.S.
- R & D Project : Knowledge discovery in multi- Databases
 - Duration : 3½ Yrs from Feb 2004.
 - Budget : 8 Lakhs
 - Agency : MHRD, GOI
 - Principal Investigator : Dr. Ananthanarayana V.S.
- Project : Graphics system design (Devt. Of Graphics Lab)
 - Duration : 3 Yrs from 1993
 - Budget : 6 Lakhs
 - Co-investigator : Dr. Ananthanarayana V.S.
- Fully automated payroll system for CAMPCO industry, 1991.

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PROFESSIONAL ACTIVITIES

- Program chair and Member of advisory committee of national conference on Recent Trends in Database Systems - Practice and Concepts, March 2002 at NMAMITM, Nitte.
- Program committee member of national conference on Data Mining (NCDM 2004), Dec 2004, Coimbatore.
- Program committee member of National Symposium On Data and Knowledge Engineering (NSDKE2005), July 2005, at Vallabh, Gujarat.
- Program committee member of national conference on Data Mining (NCDM 2004), Dec 2004, Coimbatore.
- Reviewer for 14th International Conference on Advanced Computing and Communication (ADCOM 2006), Dec 20 -23rd, 2006, Surathkal, (India)
- Advisory committee member of Short term course on Distributed Computing and Software Verification (DISCOVER'07) 23 – 27th July 2007 at NITK Surathkal. And also delivered a lecture on “Distributed Coordination”.
- Advisory committee member of International Conference on Open Source Computing (INCOSC-08), 12 -13th December 2008 at NMAMIT, Nitte.
- MHRD sponsored summer school on “Emerging Technologies in Data Mining and Wireless Sensor Networks” (DW-WSN – 2008) from 21st July 2008 to 25th July 2008
- Organized short term course/ workshop on HP – Networking on 3rd April 2009.
- Chairman of Technical Committee, ISTE Annual Convention, 2009 from Dec 18 – 20, 2009.
- Publication Chair for 5th International Conference on Industrial Information System 2010 (ICIIS 2010), from July 29 – Aug 1st 2010.
- Member of Advisory Committee for National Conference on Recent Trends in Computational Sciences and Engineering (NCRTCS-2011) on 12th February 2011 at Sullia.
- Programme Committee Member for 28th ACM Symposium on Applied Computing – SAC 2013: Track on Cloud Computing, March 18 – 22, 2013, Coimbra, Portugal.
- Organizing Chair for 2nd International Conference on Advanced Computing, Networking and Security (ADCONS) 2013, Dec 15 – 17, 2013.
- Coordinator for the joint project between Dept. Of IT, NITK Surathkal, Dept. of Computer Science & Engg, Penn State University, USA and School of Science and Technology, Bosnia.
- Divisional (Computer Science & Engg) Executive Member of Institute of Engineers (India) [IE(I)] Mangalore Local Chapter.

- Nominated as Departmental Curriculum Committee member of Computer Sc & Engg Department and Information Communication Technology Department of MIT, Manipal, 2015 – 16.
- Curriculum committee member for IIIT-Dharwar, 2015.
- Academic Council member of NMAMIT, Nitte for 2015-16 and 2016-17
- BOS - IT (UG & PG) member of Goa University, Goa, 2015
- BOS in Computer & Information Science member of Srinivas University, Mangalore, 2015

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