



## DEPARTMENT OF INFORMATION TECHNOLOGY NITK SURATHKAL

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### Ph.D Degrees Awarded

- 1. Radhika M. Pai** under the guidance of **Prof. Ananthanarayana V.S**  
*Title of Thesis:* [Abstraction Based Efficient Algorithms for Clustering Large Data Sets](#)  
*(Recipient of National Doctoral Fellowship: 2004-2007)*
- 2. Santhi Thilagam** under the guidance of **Prof. Ananthanarayana V.S**  
*Title of Thesis:* [Abstraction and Knowledge Based Mining of Inter Database Association Rules](#)  
*(Recipient of Best Thesis Award, 2009)*
- 3. Preetham Kumar** under the guidance of **Prof. Ananthanarayana V.S**  
*Title of Thesis:* [Quantitative Association Rule Mining](#)
- 4. Demian D'Mello** under the guidance of **Prof. Ananthanarayana V.S**  
*Title of Thesis:* [Broker Based Architecture for Dynamic Web Service Selection & Compositions](#)
- 5. Poornalatha G** under the guidance of **Prof. Ananthanarayana V.S & Dr. Prakash Raghavendra, HP**  
*Title of Thesis:* [Web UR - Effective Techniques for Web Usage Mining and Recommender System](#)
- 6. Megha P Arakeri** under the guidance of **Prof. G. Ram Mohana Reddy**  
*Title of Thesis:* [Development of CAD System for Detection, Classification, Retrieval and 3D Reconstruction of Brain and Liver Tumors on MRI and CT Images](#)
- 7. Kiran M** under the guidance of **Prof. G. Ram Mohana Reddy**  
*Title of Thesis:* [Bio-Inspired Quality of Service Aware Routing in Mobile Ad Hoc Networks](#)
- 8. Roopalakshmi** under the guidance of **Prof. G. Ram Mohana Reddy**  
*Title of Thesis:* [Content Based Video Copy Detection, Tracking and Identification of Movie Pirates](#)
- 9. Neelima B** under the guidance of **Prof. G. Ram Mohana Reddy**  
*Title of Thesis:* [Data & Computation Mapping and Communication Optimization for GPUs](#)

10. **Alwyn Roshan Pais** under the guidance of **Prof. G. Ram Mohana Reddy, Dr. John D'Souza** (ECE Dept, NITK) and **Prof. Subhasis Chaudhuri** (EE Dept, IIT Mumbai)  
*Title of Thesis:* [Generation of Super Resolution Video Object Planes](#)
11. **Melwyn D'Souza** under the guidance of **Prof. Ananthanarayana V.S.**  
*Title of Thesis:* [Decentralized Registry Based Web Service Architecture For Location Based Services](#)
12. **Sowmya Kamath S** under the guidance of **Prof. Ananthanarayana V.S.**  
*Title of Thesis:* [DWDS - A Scalable, Context-aware Framework for Distributed Web Service Discovery using Semantics](#)
13. **B R Chandavarkar** under the guidance of **Prof. G Ram Mohana Reddy**  
*Title of Thesis:* [Optimizing Mobility Management in MIPv6 for Heterogeneous Networks](#)
14. **Pushpalatha K** under the guidance of **Prof. Ananthanarayana V.S.**  
*Title of Thesis:* [Effective Multimedia Document Representations for Knowledge Discovery](#)
15. **Biju R Mohan** under the guidance of **Prof. G Ram Mohana Reddy**  
*Title of Thesis:* [Resource Consumption Analysis of Virtualised Server Consolidation System](#)
16. **Shridhar Domanal** under the guidance of **Prof. G Ram Mohana Reddy**  
*Title of Thesis:* [Bio-inspired QOS-aware Resources Allocation and Management at Cloud Data Center](#)
17. **Neeraj Kumar Sharma** under the guidance of **Prof. G Ram Mohana Reddy**  
*Title of Thesis:* [Energy Efficient Resources Management and Task Scheduling at Cloud Data Center](#)
18. **Ajay Kumara M A** under the guidance of **Dr. Jaidhar C.D.**  
*Title of Thesis:* [Virtual Machine Introspection Based Malware Detection Approach at Hypervisor for Virtualized Cloud Computing Environment](#)
19. **Raj Kumar Jaiswal** under the guidance of **Dr. Jaidhar C.D.**  
*Title of Thesis:* [Design and Performance Analysis of Position-Based Routing Protocol Using Location Prediction Techniques for VANET](#)

20. **Shridhar Sanshi** under the guidance of **Dr. Jaidhar C.D.**

*Title of Thesis:* [Mobility Management Protocols for Low Power and Lossy Networks](#)

21. **Shivadarshan S L** under the guidance of **Dr. Jaidhar C.D.**

*Title of Thesis:* [Windows Malware Detection Techniques using Static and Behavioral-based Features](#)

22. **Manjunath Vanahalli** under the guidance of **Dr. Nagamma Patil**

*Title of Thesis:* [Efficient Mining of Frequent Colossal Itemsets from High Dimensional Data](#)

23. **Karthik N** under the guidance of **Prof. Ananthanarayana V S**

*Title of Thesis:* [An Efficient Trusted Framework for Context-aware Sensor Driven Pervasive Applications and Their Integration using Ontologies](#)

24. **Ashwin T S** under the guidance of **Prof. G Ram Mohana Reddy**

*Title of Thesis:* [Development of Unobtrusive Affective Computing Framework for Students' Engagement Analysis in Classroom Environment](#)

25. **Rathinaraja J** under the guidance of **Prof. Ananthanarayana V S**

*Title of Thesis:* [An Efficient MapReduce Scheduler for Cloud Environments](#)

26. **Gokul S Krishnan** under the guidance of **Dr. Sowmya Kamath S**

*Title of Thesis:* [Predictive Analytics based Integrated Framework for Intelligent Healthcare Applications](#)