



DEPARTMENT OF INFORMATION TECHNOLOGY NITK SURATHKAL

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 I](#) 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

27. [Sakthi Murugan](#) under the guidance of **Prof. Ananthanarayana V S**

Title of Thesis: An Efficient Framework for Information Retrieval from Linked Data

28. [Sanjay Bankapur](#) under the guidance of **Dr. Nagamma Patil**

Title of Thesis: Computational Analysis of Protein Structure and its Subcellular Localization using Amino Acid Sequences

29. [Nagaraj Naik](#) under the guidance of **Dr. Biju R Mohan**

Title of Thesis: Stock Price Forecasting Models during Crisis and High Volatility

30. **Anusha R** under the guidance of **Dr. Jaidhar C D**

Title of Thesis: Gait Features based Human Recognition Approaches

31. **Karthik K** under the guidance of **Dr. Sowmya Kamath S.**

Title of Thesis: Automated Quality Enhancement, Modelling and Management of Diagnostic Scan Images with AI Techniques

32. **Natesha B V** under the guidance of **Prof. G Ram Mohana Reddy**

Title of Thesis: Fog Based Frameworks for IoT/IIoT Service Placement and Data Analytics in Smart Application Environments

33. **Veena Mayya** under the guidance of **Dr. Sowmya Kamath S.**

Title of Thesis: AI-based Clinical Decision Support Systems using Multimodal Healthcare Data

34. **Dinesh Naik** under the guidance of **Dr. Jaidhar C D**

Title of Thesis: Region-Based Semantic Composition Framework for Visual Image and Video Event Specification

35. **Archana Bhat** under the guidance of **Dr. Geetha V.**

Title of Thesis: A Framework for IPv6 Based Energy Efficient Routing in IoT with Low Power Lossy Network and Multimodal Sensors

36. **Mummadi Swathi** under the guidance of **Dr. Bhawana Rudra**

Title of Thesis: Enhanced Architecture for Asymmetric Quantum Syndrome Error Correction

36. **Salvi Sanket Sarang** under the guidance of **Dr. Geetha V.**

Title of Thesis: A Framework for Efficient Modulation Techniques for Visible Light Communication Under Indoor Environment Based IOT Applications