

**AMRITA VISHWA VIDYAPEETHAM**

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**LIST OF Ph.D SCHOLARS AND THEIR AREA OF RESEARCH**

Sl. No.	Name	Research Area
1	Amudha J	Visual Attention Model
2	Anbuudayasankar S P	Meta-heuristics for a Class of Traveling Salesman and Vehicle Routing Problems
3	Babu Devasenapati S	Condition Monitoring of 4-Stroke Petrol Engine Using Pattern Recognition Techniques
4	Bagavathi Sivakumar P	Design of Hybrid Forecasting Model Towards Improved Decision Making Using Time Series Analysis and Soft Computing and Allied Techniques as Tools
5	Bala Tripura Sundari B	Some Investigations Into VLSI Design Optimization of Multi-Loop Problems for Reconfigurable Design
6	Devajothi P	Application of Wavelets in Time Series Analysis
7	Elangovan M	A Framework for Study on PLM Implementation, Challenges and Issues in SME Under Collaborative Virtual Enterprise Environment
8	Gokulachandran J	Analysis and Determination of Residual Life of used Components of Systems for Reuse
9	Ilangovan S	Indigenous Development of Spinoidal Bronze Alloys and Assessment of their Weldability
10	Jeyakumar G	A Parallel Heterogeneous Framework of Differential Evolution Variants for Cooperative Evolution
11	Krishnan Namboori P K	Computational Studies to Identify Potential Drug for Alzheimer's Disease
12	Lalithamani N	Adaptive Dimensionality Reduction for Demand Based Pattern Mining
13	Mahadevan S	Analytic S Matrix Approach for Study of Alpha Decay
14	Maneesha V Ramesh	Wireless Sensor Networks to Detect Rainfall Induced Landslides
15	Meera Balachandran	Acrylonitrile - Butadiene (Nitrile) Rubber Based Nanocomposites: Mechanical Behaviour and Barrier Properties
16	Narayanan Kutty K	Investigations on Quantum Reality
17	Padmavathi S	Digital Image Inpainting
18	Palanisamy T	Application of Wavelets in Regression Analysis
19	Prema P	Resonances in Scattering Theory and Applications to Heavy Ion Collisions
20	Renu M R	Cryptography

21	Sanjivi Arul	Development of a Real-time Process Control Method Using Feed-back of Weld Pool Geometric Parameters and Experimental Verification for Automated Arc Welding Processes
22	Santhosh Kumar C	Multilingual Speech Recognition - A Unified Approach
23	Saraswathi Sundararajan	Neural Networks Machine Learning Methods for Bio-Informatics Applications
24	Saravanan N	Fault Diagnosis of Bevel Gears Drive using Machine Learning Techniques
25	Satheesh Babu T G	Development of Glucose Biosensors and Optimization of Performance Characteristics
26	Supriya P	Development of FPGA Based Four Quadrant Electric Energy Meter with Remote Reading and Remote Demand Management Facility for Industrial and Domestic Consumers
27	Suresh Kumar R	Digital Communication
28	Thangavelu S	A Parallel Unified Framework of Differential Evolution and Real Coded Genetic Algorithms
29	Uma Maheswari A	Transmission, Absorption and Quantum Scattering
30	Veni S.	Vision Based Hexagonal Image Processing
31	Venugopalan K	Signal Processing Applied to Power Electronics
32	Vijaya M S	Learning Named Entity Transliteration for English - Tamil Language Pair using String Kernel Based SVM
33	Yamuna B	Study of Decoding Algorithms for Reed Solomon Codes, Their Improvements and Application Aspects
34	Nandagopalan S.	Content Based Image Retrieval - Study of Medical Database Systems
35	Deepak O M	Development of an Optimum Polymer Support for Synthesis of Peptides with Antimicrobial Activity
36	Rajathilagam B	A Sensor Network Model for Effluent Treatment Process
37	Vivek Menon	Multi-Agent Approach to Adaptation in Pervasive Computing Environments
38	Ravishankar S	Studies in Super Resolution
39	Prashant R Nair	Reinforcement Learning in Financial Markets
40	Narendra Kumar P	Financial Forecasting of Stock Markets by Investigating the Efficacy of Novel SVM and Hybrid Techniques
41	Shyamala C K	Optimization Issues in Communication Networks
42	Harini N	Real Time Computation in Image Processing
43	Hema P Menon	Perceptual Image Fusion Processing

44	Sindhu M R	Improvement in Power Quality Using Hybrid Filters
45	Kirthiga S	Studies on Adaptive Modulation and Coding for Broadband Wireless Communication Systems
46	Murali K	Graph Partition Algorithm and its Applications
47	Chungath Srinivasan	Cryptography
48	Ganapathi Hegde	Multi-FPGA Systems
49	Subramanian P	Generalised Matrix Functions and its Applications
50	Sindhu M	Cryptography
51	Ramesh T K	Quantum - Well Lasers (Photonics)
52	Giriraja C V	Semiconductor Lasers (Photonics)
53	Giridhar Reddy S	Biodegradable Polymers
54	Kesavulu Naidu V	Numerical Methods