



List of Eligible Scholars\_Ph.D., MS (by Research)\_Convocation 2025

1.0 DOCTOR OF PHILOSOPHY (Ph.D.)

Department of Architecture

Sl. No.	Names of the Guide	Roll No. Viva Date	Name	Title of Thesis
1.	Dr. T. Srinivas <b>Co-guide:</b> Dr. P. Gopalakrishnan	401117002 29-Nov-2024	Lakshmi Visakha V	Climate-Responsive Passive Strategies for Residences in the Warm, Humid Climate Zone of South India
2.		401119004 11-Dec-2024	Nikhil Bhandari	Role of Ceiling Fans on Thermal and Acoustic Environments and their Influence on Comfort and Productivity in Naturally Ventilated University Classrooms in Warm and Humid Climate of India
3.	Dr. G. Subbaiyan	401115051 31-Jan-2025	Gitali Mandal	Impact of Urban Built Environment on Outdoor Thermal Environment: Case Study of an Indian Metropolitan City
4.	<b>Co-guide:</b> Dr. T. Srinivas	401116001 03-Feb-2025	Sivapriya C	Impact of Appliance use, Thermal Comfort Related Behaviour of Occupants, and Window Design on Electricity Consumption in Mixed Mode Residences
5.	Dr. D. Kannamma	401118004 19-Feb-2025	Shanmugga Rani A	Effect of Building Orientation on the Indoor Micro-Climatic Conditions of an Academic Building Located in Southern India
6.		401119051 23-Apr-2025	Niveditha S	The Way Forward to Aging: Study on Indoor Thermal Environment and Adaptive Behaviours of Older People in Residential Buildings
7.		401119002 11-Jun-2025	Madhavan G R	Assessment of Spatial Configuration Pattern for Energy Studies in Warm and Humid Climate using LCZ Model

8.	Dr. P. Gopalakrishnan	401120052 02-Apr-2025	Dherya Mehta	A CPTED-based Approach to Investigate Perceived Security in Urban Parks of Tiruchirappalli, India
9.		401119003 17-Jul-2025	Tarun Verma	Investigation of Window Blind Use in Office Buildings: Categorisation of Irradiance-Based Models and Development of a Predictive Model
10.	Dr. Meenatchi Sundaram A	401915001 23-Sep-2024	Mohanagopiraj N	A Methodological Tool to Measure and Assess Urbanity-The Case of Chennai

### Department of Chemical Engineering

Sl. No.	Names of the Guide	Roll No. Viva Date	Name	Title of Thesis
1.	Dr. P. Sivashanmugam <b>External Guide:</b> Mr. N. Rajagopal	402916002 04-Dec-2024	K Sureshvarr	Experimental Study on Impact of Surface Micro Structures and its Wetting Behaviour on Corrosive Nature of Stainless Steel Surfaces
2.	Dr. J. Sarat Chandra Babu	402119001 06-Feb-2025	Atti Srinivas	Scalable Process for Graphene Synthesis using Biochar and A Case Study for the Design of Carbon dioxide Recovery System
3.	Dr. V. Nagajyothi	402119002 23-Apr-2025	Geetu P Paul	Ring Opening Polymerization of L-Lactide: Mathematical Modelling, Simulation and Multi-Objective Optimization
4.	Dr. P. Kalaichelvi <b>Co-guide:</b> Dr. N. Samsudeen	402120004 14-May-2025	Sandhya P	A Sustainable Approach Towards Wastewater Treatment Integrated with Power Generation and Desalination using Microbial Desalination Cell
5.	Dr. N. Anantharaman <b>Co-guide:</b> Dr. N. Samsudeen	402119003 04-Jul-2025	Jayachitra M	Studies on Biohydrogen Production from Distillery Wastewater using Bioelectrochemical System
6.	Dr. M. Arivazhagan	402117003 11-Jul-2025	Akhil T Nair	Integrating Artificial Intelligence and Metaheuristics for Modelling of Industrial Activated Sludge System
7.		402115002 14-Jul-2025	Navamani Kartic D	Mitigation of sulfate from industry effluent by chemical precipitation and anaerobic membrane bioreactor: A modeling and optimization approach
8.		402120001 17-Jul-2025	Durgadevi S	Phycoremediation of textile industrial wastewater using Spirulina platensis and native algal isolates: Performance optimization, pollutant removal, and biomass reutilization

9.	Dr. K. M. Meera Sheriffa Begum	402120005 11-Jul-2025	Vigneshhwaran G	Cuboidal and Cylindrical Flow through Capacitive Deionization System for Heavy Metal Mitigation using Sustainable Electrodes
10.	Dr. K. Muthukumar	402120002 17-Jul-2025	Neeraj V S	Electrochemical Treatment of Kitchen Wastewater using E-Waste Derived Lead Dioxide and Mixed Metal Oxide Coated Titanium Electrodes

### Department of Chemistry

Sl. No.	Names of the Guide	Roll No. Viva Date	Name	Title of Thesis
1.	Dr. V. M. Biju	404118001 13-Dec-2024	Bhuvaneshwari T S	Cobalt-Based Metal Organic Frameworks as Efficient Multifunctional Catalysts Towards Oxygen Evolution Reaction and Sensing Applications
2.	Dr. Ganesh Chandra Nandi	404118051 18-Feb-2025	Shabashini A	Push-pull Organic Molecules for Photochemical, Photophysical Studies and their Problem-based Applications
3.	Dr. A. Sreekanth	404119053 04-Apr-2025	Vipin M	<i>In-Vitro and In-Silico</i> Anticancer Applications of Cu(II) & Zn(II) Complexes Containing Heterocyclic Thiosemicarbazones and Thiadiazoles
4.	Dr. Sarthak Mandal	404119001 20-May-2025	Adithya K	Exciton Dynamics in Self-Assembled Organic Nanotube-Templated Luminescent Materials for Artificial Light-Harvesting and Biosensing Applications
5.	Dr. S. Velmathi	404119052 14-Jul-2025	Magesh K	Design and Development of Donor-pi-Acceptor Based Fluorescent Probes for Detecting Toxic and Biologically Important Analytes: In Vivo and In Vitro Applications
6.		404120001 16-Jul-2025	Abhijna Krishna R	Organic Fluorescent Probes for Detecting Chemical Warfare Agents and Biomolecules: Bridging Artificial Intelligence and Biomedical Applications

7.	Dr. R. Karvembu	404119002 18-Jul-2025	Deepak R J	Niobium-based catalytic systems for organic transformations
8.	Dr. L. Cindrella	404119007 18-Jul-2025	M Rekha	Design of Precious Metal-Free Perovskites as Electrocatalysts for Oxygen Evolution Reaction and Oxygen Reduction Reaction

### Department of Civil Engineering

Sl. No.	Names of the Guide	Roll No. Viva Date	Name	Title of Thesis
1.	Dr. Nisha Radhakrishnan	403119052 21-Nov-2024	Vinoth Kumar S	Soil Erosion and Sediment Yield Assessment at Sub-Watershed Scale in an Ungauged Basin Based on Impacts of LULC Changes
2.	Dr. Vanama Raghava Kumar <b>Co-guide:</b> Dr. S. T. Ramesh	403916002 02-Dec-2024	Kavitha P	Experimental and Analytical Investigation of Ceramic Tile Waste Incorporated Fly Ash Concrete
3.	Dr. R. Manjula	403118008 06-Feb-2025	Yamini Priya R	Enhanced Streamflow Prediction: Integrating Soil Water Assessment Tool Influential Parameters with Deep Learning Models
4.	Dr. S. T. Ramesh	403117001 07-Mar-2025	Ajith Kumar T T	Production and Characterization of Biomass Briquettes as an Alternative Fuel for Firing Systems
5.	Dr. Aneesh Mathew	403121003 08-Apr-2025	Padala Raja Shekar	Hydrological Modelling and Sustainable Management of Murredu and Peddavagu Watersheds in India using Geospatial and Artificial Intelligence Techniques
6.	Dr. Mashudha Sulthana	403120003 13-May-2025	Muddana Surya Prasanth	Experimental and Numerical Studies on the Ultimate Behavior of Partially Concrete-Filled Steel Tubular Beams
7.	Dr. Nisha Radhakrishnan <b>Co-guide:</b> Dr. Greegar George	403420001 21-May-2025	Anjuna S	An Integrated Monitoring System for Large Engineering Structures
8.	Dr. R. Senthilkumar	403120006 30-Jun-2025	Shreekanth Birgonda	Enhancement of Self-Compacting Concrete Performance with Induction Furnace Slag Aggregates: A Quaternary Blend Approach
9.		403121009 16-Jul-2025	Uma Chandru	Behaviour of Flat and Square-Profiled Cold-formed Steel-Concrete Composite Shear Walls under In-plane Lateral Loading

10.	Dr. R. Raghavan	403119002 02-Jul-2025	Gorripotu Kishorekumar	Intervention Method for Failure Prevention of Transmission Line Towers through Primary Leg Retrofit using Bi-Angled Arrangement
11.		403112001 09-Jul-2025	Padmavathy N S	Buckling Behaviour of Steel Circular Hollow Sections with Imperfections under Compression and Strengthening using CFRP
12.	Dr. S. Marisamynathan	403121006 16-Jul-2025	Shandhana Rashmi B	Modeling Aberrant Driving Behaviors and Their Associated Risks Among Long-Haul Truck Drivers Traveling Across India
13.	Dr. K. Baskar	403917001 17-Jul-2025	Sreekumar Punnappilly	Blast wave – Structure interaction: Studies on shaped concrete structural units and the influence of charge geometry

### Department of Computer Applications

Sl. No.	Names of the Guide	Roll No. Viva Date	Name	Title of Thesis
1.	Dr. K. Selvakumar <b>Co-guide:</b> Dr. P J A Alphonse	405120008 17-Dec-2024	Mamata Das	Protein Interaction Network Analysis and Function Prediction using Graph-based Approaches
2.	Dr. Michael Arock	405119051 19-Dec-2024	Meharaj Begum A	Design of Web Security Models Against SQL Injection Attacks
3.		405918001 21-Jul-2025	Kuruba Chandrakala	Hybrid Deep Learning Frameworks for Robust Retinal Blood Vessel and Lesion Segmentation in Diabetic Retinopathy Diagnosis
4.	Dr. B. Janet	405119003 20-Dec-2024	Purushottama Rao K	Enhancing Online Learner Recognition and Affective State Detection in Learning Environments
5.	Dr. R. Eswari	405917001 23-Jan-2025	S P Ramya	Fake News Detection in Social Media using Deep Learning Techniques
6.		405117005 25-Apr-2025	Prakashbabu Yandrapati	Enhancing Tweet Classification using Advanced Deep Learning Models
7.	Dr. U. Srinivasulu Reddy	405915003 14-Jul-2025	Meena K	Machine Learning Approaches for Predicting Methane Production in Biogas Plant
8.	<b>Co-guide:</b> Dr. B. Janet	405118052 12-Feb-2025	Muthureka K	Handwritten Digits Recognition for Cerebral

				Palsy People using Machine Learning Models
9.	Dr. S. R. Balasundaram	405119004 22-Apr-2025	Tharaniya Sairaj R	Finetuning Language Models with Effective Tail Entity Selection and Expansion to Improve Diversity in Auto-generated Exam-style Questions
10.		405117008 15-Jul-2025	Sakkaravarthy Iyyappan K	Concept Based Summarization of Learning Materials using Integer Linear Programming and Semantic Embeddings
11.	<b>External Co-Guide:</b> Dr. Jitendra Kumar	405320003 17-Jul-2025	Raseena T P	Improving Performance in Colorectal Polyp Classification using Efficient Deep Learning Approaches
12.	Dr. S. Sangeetha	405119001 29-Apr-2025	Chindukuri Mallikarjuna	Transfer Learning Approaches for Short Text and Question Classification in Resource Limited Contexts to Enhance Question Answering Task
13.	Dr. S. Domnic	405121056 15-Jul-2025	Vishnu Chandrabanshi	Deep Learning Techniques for Visual Speech Recognition

### Department of Computer Science and Engineering

Sl. No.	Names of the Guide	Roll No. Viva Date	Name	Title of Thesis
1.	Dr. B Nithya	406118052 11-Nov-2024	M Vamsi Kiran	Optimizing Congestion Control for Resource Constrained Wireless Body Area Network
2.	Dr. S. Jaya Nirmala	406321004 31-Dec-2024	Reshma Sheik	Automating Legal Text Analysis: Deep Learning-based Classifiers for Legal Language Processing
3.	Dr. C. Mala	406119004 04-Feb-2025	Deepavathi P	A Study on Detection and Elimination of Various Attacks in RPL for IoT Environment
4.	Dr. R. Mohan	406320001 06-Feb-2025	Mohammed Siyad B	A Study on Processing-In-Memory (PIM) Technology using Memristor Crossbar Arrays in Real-World Applications
5.	Dr. N. Ramasubramanian <b>Co-guide:</b> Dr. B.	406119051 07-Feb-2025	Aditi Roy	Addressing Device-specific Security Challenges with Hardware-based Security

	Shameedha Begum			Solutions for IoT Applications
6.	Dr. C. Mala <b>Co-guide:</b> Dr. A. Santhanavijayan	406915051 26-May-2025	S Umaa Mageswari	A Study on Resource Allocation and Ontological Modeling for a Generic IoT Architecture
7.	Dr. S. Jaya Nirmala <b>External Co-guide:</b> Dr. Ajay Krishnan	406920003 29-May-2025	Soorya Prabha M	Advancing Machinery Predictive and Prescriptive Maintenance Systems using Artificial Intelligence: A Study and Evaluation
8.	Dr. Kunwar Singh	406917051 17-Jul-2025	Namratha M	Game Model for Blockchain Mining Pools under Optimal Mixed Block Withholding Attacks
9.	Dr. S. Mary Saira Bhanu	406119054 17-Jul-2025	Thushara G A	Ensuring Secure Data Sharing in Fog Environments
10.	Dr. Rajeswari Sridhar	406119055 21-Jul-2025	Gangundi Ravindra Yallappa	Deep Learning Approaches For Abstractive And Extractive Text Summarization

### Department of Electrical and Electronics Engineering

Sl. No.	Names of the Guide	Roll No. Viva Date	Name	Title of Thesis
1.	Dr. Shelas Sathyan	407119006 14-Nov-2024	Merlin Mary N J	Design and Development of Resonant Converters for Two-Stage On-Board Battery Charger
2.	Dr. N. Kumaresan	407119005 23-Dec-2024	Kesari Hanumanthu	Modeling, Analysis and Control of SEIGs and Associated Power Electronic Converters for Micro-Hydro Power Plants
3.	Dr. P. Raja	407119010 30-Jan-2025	Rajesh Velpula	Design and Testing of Alternative Methods for Detection and Classification of Faults on EHV Transmission Lines
4.	Dr. S. Senthil Kumar	407917053 17-Apr-2025	Muhilan P	Performance Enhancement of Solar PV Systems Employing Modules Reconfiguration, Power Electronic Controllers and other Techniques
5.	Dr. S. Moorthi	407120010 06-Jun-2025	Vidya P Janaki	Thermotropic Hydrogen Bond Liquid Crystals for Data Storage and Thermistor Applications
6.	Dr. Karthik Thirumala <b>External Co-guide:</b> Dr. Manoranjan Sahoo	407119009 16-Jun-2025	Rage Ravitheja	Design and Development of Common Ground-based Single Stage Boost Inverter Topologies for Photo-Voltaic Applications
7.	Dr. Sateesh Kumar Kuncham	407321004 10-Jul-2025	Soniya Agrawal	Investigation on Switched Capacitor based Common-

	<b>External Co-guide:</b> Dr. Manoranjan Sahoo			Ground Multilevel Inverters for Photovoltaic Applications
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### Department of Electronics and Communication Engineering

Sl. No.	Names of the Guide	Roll No. Viva Date	Name	Title of Thesis
1.	Dr. Malmathanraj <b>Co-guide:</b> Dr. P. Palanisamy	408119006 16-Oct-2024	Naresh V	A Study on Leveraging Different Convolution Operators in CNN for Agricultural Image Application
2.	Dr. D. Sriram Kumar	408119016 11-Nov-2024	Vadlamudi Roja	Development and Analysis of Multi-Band MIMO Antennas for 4G/5G and Beyond for Mobile Base Station Applications
3.	Dr. B. Rebekka	408119003 21-Nov-2024	Jeevanantham S	Sustainable IoT with Energy-Aware Clustering for WSN-Based Applications
4.	Dr. V. Sudha	408119011 26-Nov-2024	Rayadurgam Mahammadrafi	Performance Analysis of Distributed RIS-Assisted Wireless Communication Systems Over Various Fading Channels
5.		408420051 27-Feb-2025	Nivetha V	Investigations on PAPR Reduction and BER Analysis in GFDM based 5G Wireless Communication Systems
6.	Dr. E.S. Gopi	408116005 26-Nov-2024	Rajasekharreddy Poreddy	Investigations on Computational Intelligence for Pattern Recognition, Machine Learning and Applications
7.		408119017 06-Jun-2025	Vinodha K	Investigations on Sensory Data Analytics using Machine Learning and Applications
8.	Dr. Varun P. Gopi	408321001 07-Jan-2025	Arun P S	Advanced Techniques for Speckle Noise Elimination in OCT Images using DT-CWT Fusion, Residual Learning and Non-Local Subband Modulation
9.		408120052 10-Jul-2025	Shalini R	Development of Enhanced Lightweight U-Net Architectures for Optic Disc Segmentation in Fundus Images using

				Attention Mechanisms and Semi-Supervised Learning
10.	Dr. G. Lakshminarayanan	408118003 31-Jan-2025	Manivannan T S	Ambipolar Current Suppression Techniques for Drain Elevated Tunnel Field Effect Transistor
11.	Dr. P. Palanisamy	408914002 27-Mar-2025	Anish Sathyan	Leveraging Machine Learning Techniques for Early Detection of Nutrient Deficiencies in Plants through Non-Destructive Leaf Image Analysis
12.	Dr. R. K. Jeyachitra	408120005 17-Jul-2025	Pradeep Doss M	Investigations on the Design of Annular Photonic Crystal based Multifunctional Quantum Photonic Devices for Optical Networks
13.		408420004 18-Jul-2025	Sindhumitha K	A Study on Intelligent Modulation Format Recognition and Multi Parameter Optical Performance Monitoring for Efficient Fiber Optic Communication Systems
14.	Dr. P. Muthuchidambaranathan	408115004 15-Jul-2025	Narasimman M	Design and Performance Analysis of Non-Linear Constellation Precoded NOMA Assisted Cooperative Communication System
15.		408917052 17-Jul-2025	Sivakannu G	Investigation of Self-Energised Relay-Assisted Wireless Communication System using NOMA for 5G and Beyond
16.	Dr. R. Pandeewari	408120001 18-Jul-2025	Kanakavalli Harsha Sri	Design and Optimization of Metamaterial Inspired MIMO Antennas for Advanced Wireless Communication Applications

### Department of Energy and Environment

Sl. No.	Names of the Guide	Roll No. Viva Date	Name	Title of Thesis
1.	Dr. A. K. Bakthavatsalam	417119002 11-Dec-2024	Hareesh Krishnan H	Dynamic Wind Tower with Solar Heating and Humidity Control Hybrid System to Meet Thermal

				Comfort in Buildings During Cold and Sunny Climate
2.	Dr. G. Swaminathan	417117001 23-Jan-2025	Prabhat Bhuddha Dev S	Studies on Solar Air Heating System with Waste Oils as Sensible Heat Storage Medium with a Focus on Energy, Environmental, Economic and Sustainability Aspects
3.	Dr. M. Premalatha <b>Co-guide:</b> Dr. T. Mathimani	417420001 16-Apr-2025	Anto S	Biomass, Lipids, L-asparaginase Production and Biomolecules Extraction using Biphasic, Triphasic Systems: Harnessing Marine Microalgae for Biorefinery Applications

### Department of Humanities and Social Sciences

Sl. No.	Names of the Guide	Roll No. Viva Date	Name	Title of Thesis
1.	Dr. Sathyaraj Venkatesan	409119054 16-Oct-2024	Laboni Das	Beyond Forgetting: Dementia, Personhood and Graphic Medicine
2.		409120002 16-Apr-2025	Ishani Anwasha Joshi	Pandemic in Panels: COVID Comics and Graphic Medicine
3.		409119055 27-May-2025	Livine Ancy A	Graphic Medicine, Affect, and Practices of Care
4.	Dr. M. Padmaja	409220001 17-Dec-2024	Amal Krishnan	Outward FDI and its Impact on the Parent Firm: Evidence from India
5.	Dr. V. K. Karthika	409220002 06-Jan-2025	Anjana Krishna S	The Impact of Transportable Identity-Based Podcasts in Enhancing Speaking Proficiency of IELTS Test-takers
6.		409120003 09-May-2025	Mythiri B	Integrating Social Emotional Learning to Foster Inclusivity in Tertiary Level English Classrooms
7.	Dr. R. Murugesan	409117005 20-Jan-2025	Rekha A P	Sentiment Analysis of Air Travel and Hotel Reviews: Applications of Deep Learning and Machine Learning based Models
8.		409121002 11-Jul-2025	Meera George	Examining the Predictive Power of Financial News Sentiment on Stock Prices Across Market Capitalisations and Sectoral Indices in India using Deep Learning and Hybrid Models

9.		409918002 16-Jul-2025	U S Vineesh	VIBGYOR: A Regenerative Framework for Organisations to Thrive in an Evolving World
10.	Dr. Vinod Balakrishnan	409914001 07-Apr-2025	Thomas P J	Tracing Tantra and Play in Lawrence Durrell's The Alexandria Quartet
11.	Dr. G. Nagasubramaniyan <b>Co-guide:</b> Dr. M. Punniyamoorthy	409117051 15-Jul-2025	Prem Sundar M	Diabetes Prevalence and Prediction in India: Insights from Demographic Analysis, Regression Modeling, and Machine Learning Analysis

### Department of Instrumentation and Control Engineering

Sl. No.	Names of the Guide	Roll No. Viva Date	Name	Title of Thesis
1.	Dr. K. Srinivasan	410119003 27-Nov-2024	Thulasi M Santhi	Cyber Attack Detection in Industrial Cyber Physical Systems using Machine Learning Approach
2.		410116051 10-Jul-2025	Vasanthakumar S	Design and Development of a Non-Linear Control Scheme for Efficient Trajectory Tracking in Quadcopter System
3.	Dr. D. Ezhilarasi	410117004 10-Jan-2025	Sarika Raju	Design and Experimental Analysis of Event Triggered Adaptive Sliding Mode Control Strategies for Quadcopter
4.		410915051 14-Jul-2025	Arutselvi S	Design and Experimentation of Broadband Meandered Piezoelectric Energy Harvesters with Enhanced Performance
5.	Dr. R. Periyasamy	410118007 07-Apr-2025	Sangeetha B	Investigations of Machine Learning Approaches for Pulmonary Disease Diagnosis from Lung Sounds
6.	Dr. G. Uma	410320002 01-Jul-2025	Kumuda S	Design and Development of Low-Cost Non-Invasive Intraocular Pressure Sensors
7.	Dr. N. Sivakumaran	410420002 14-Jul-2025	Mohamed Hussain K	Parameter Prediction and Scheduling based on Hybrid Machine Learning Approaches for Urban Water Distribution System

### Department of Management Studies

Sl. No.	Names of the Guide	Roll No.	Name	Title of Thesis
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1.	Dr. M. Punniyamoorthy	415917051 01-Apr-2025	G Kala Nisha	Exercising Novel Approaches in GMM-HMM, TOPSIS and Random Forest for Financial Applications
2.	Dr. N. Thamaraiselvan	415121051 06-May-2025	Pragha P	Drivers of Adoption and Switching Intention towards Metaverse Shopping
3.	Dr. V. Lavanya	415119053 14-May-2025	Shahana T	Predicting Misstatements in Financial Statement: Application of Static and Dynamic Classifiers with SHAP
4.	Dr. S. Nivethitha	415118052 20-May-2025	Guduru Shravani	Examining the Determinants of Performance amongst Location-based Gig Workers
5.	Dr. S. Yamini	415120051 06-Jun-2025	Citybabu G	Investigation of Critical Success Factors and Skillsets of Lean Six Sigma 4.0 Implementation
6.	Dr. B. Senthil Arasu	415119001 15-Jul-2025	Rajesh A D J	An Empirical Study on Selection and Recommendation of Indian Equity Mutual Funds
7.	Dr. G. Kannabiran <b>Co-guide:</b> Dr. S. Vinodh	415114054 21-Jul-2025	Vallinayagam A	Investigations on Lean Drivers, Impact of Lean practices on Performance and Dynamic Capabilities of SMEs in the automobile sector

### Department of Mathematics

Sl. No.	Names of the Guide	Roll No. Viva Date	Name	Title of Thesis
1.	Dr. V. Ravichandran	416221001 06-Jan-2025	Janani B B	Differential Subordination and Ma-Minda Convexity/Starlikeness
2.	Dr. V. Lakshmana Gomathi Nayagam	416119052 10-Mar-2025	Bharanidharan R	Total Ordering on Fuzzy Numbers and its Generalizations
3.	Dr. K. Murugesan	416119055 18-Mar-2025	Sudha Y	A Study on the Weak Solutions of Spatio-Temporal COVID-19 models with Nonlinear Diffusion
4.	Dr. Jitraj Saha	416120005 10-Jul-2025	Prakrati Kushwah	Numerical Solution of Non-Linear Particulate Models

### Department of Mechanical Engineering

Sl. No.	Names of the Guide	Roll No. Viva Date	Name	Title of Thesis
1.	Dr. S. Suresh	411115009 11-Nov-2024	Nishant Gandhi	Studies on the Effect of Expanded Shaped Holes on Mist Cooling in Gas Turbine

				Engines
2.		411119051 20-Mar-2025	Michel Myures X	Nanofluidic Electrolyte and Membrane Development for Enhancing the Performance of Vanadium Redox Flow Battery
3.		411321001 07-Feb-2025	S R Akhil Krishnan	Studies on Heat Sink Integrated with Heat Pipe using Solid-Solid Phase Change Material for Electronic Cooling
4.	Dr. V. Arul Mozhi Selvan	411116051 25-Mar-2025	Ganapathi K	Experimental Investigations on DICI Engine using Phoenix dactylifera L. Biodiesel with Coffea Arabica Leaf Pigment as an Antioxidant
5.	Dr. S. P. Sivapirakasam	411117006 21-Apr-2025	R Ruban	Predictive Modelling and Experimental Investigation on High Temperature Creep Behaviour of Titanium Modified Nuclear Fuel Rod Cladding Material
6.		411118009 02-Jun-2025	Venu Kumar Nannapaneni	Theoretical Modelling of Detonation Properties and Impact Sensitivity of Explosives
7.	Dr. R. Anand	411119003 21-Oct-2024	Gopi R	Process Intensification Approaches in Biodiesel Synthesis and their Effect on Diesel Engine
8.		411119009 17-Jul-2025	Uthayakumar A	Experimental Investigation of Hydrogen-Enriched Fuel Production from Medical Non-Woven Fabric Waste
9.	Dr. K. R. Balasubramanian	411916003 07-Apr-2025	Marimuthu S	Experimental Investigations and Process Parameter Optimization for Friction Welding of Dissimilar ETP-Copper and Monel K 500 Materials
10.		411920001 09-Apr-2025	Dinakaran D	Transformative Solutions for Improving Occupational Safety and Sustainable Productivity in Heavy Engineering Industry
11.		411921003 23-Apr-2025	Prakash L	Advancements in Finite Element Simulation for Accurate Control of Localized Resistance-based Heating in Manufacturing Operations
12.	Dr. S. Vedharaj	411119006 23-Jun-2025	Kalil Basha J	Experimental Investigations on the Combustion and Flame Jet Characteristics for Zero/Low Carbon Fuels with Pre-chamber Spark Ignition System
13.	Dr. S.	411913053	Karthikeyan P	Heat Transfer Studies in

	Vekatachalapathy	04-Jul-2025		Micro and Minichannels with Secondary Channels using Water as Coolant
14.		411120012 16-Jul-2025	Vuppula Santhosh Reddy	Experimental Analysis and Machine Learning Model Predictions on the Hydrothermal Performance of Minichannel Heat Sinks using Myristyl Alcohol Microencapsulated with Single and Hybrid Shell Slurry
15.		411320001 17-Jul-2025	Nanda Kishore P V R	Thermohydraulic performance studies in sinusoidal minichannels using mono, hybrid nanofluids and thermal property estimation of ternary nanofluids

### Department of Metallurgical and Materials Engineering

Sl. No.	Names of the Guide	Roll No. Viva Date	Name	Title of Thesis
1.	Dr. K. Sivaprasad <b>Co-guide:</b> Dr. B. Ravisankar	412117053 19-Dec-2024	J Maya	Microstructure, Mechanical properties, Corrosion, and Tribological behavior of selective laser melted 06cr15Ni4CuMo steel
2.	Dr. N. Ramesh Babu	412119052 24-Dec-2024	Shishir R	Development of Biocompatible and Corrosion-Resistant Ceramic and Composite Coating Over Zinc and Zinc Alloy for Temporary Orthopaedic Implant Applications
3.	Dr. B. Ravisankar <b>Co-guide:</b> Dr. S. P. Kumaresh Babu	412118001 28-May-2025	Anil Babu Sankuru	Investigation of Microstructural, Mechanical and Wear Behavior of Magnesium and Mg-Li Alloys Processed by Equal Channel Angular Pressing

### Department of Physics

Sl. No.	Names of the Guide	Roll No. Viva Date	Name	Title of Thesis
1.	Dr. N. V. Giridharan	413118053 19-Aug-2024	Krupa Maria Kuruvila	Structural and Electrical Properties of Lead Zinc Niobate - Lead Titanate Single Crystals and Sodium Bismuth Titanate based Ceramics for Piezoelectric Device Applications

2.	Dr. N Baskaran	413119008 03-Oct-2024	Narayanan Namboodiri P	Density Functional Theory Studies of Half-metallic Behavior in Heusler Alloys for Spintronics Applications
3.	Dr. N. Bhaskaran <b>Co-guide:</b> Dr. S. Anandan	413117055 16-Oct-2024	Naveena P	Theoretical Investigations on Graphene Based Nanostructure with Aqueous Electrolyte: Applications to Supercapacitor
4.	Dr. M C Santhosh Kumar  <b>External Co-Guide:</b> Dr. Nallaperumal M	413117052 28-Nov-2024	John Paul	Graphene Oxide Incorporated, Post-Transition Metal Doped Zinc Oxide Thin Films and Nanorods for Efficient Dye Degradation
5.		413920051 29-Nov-2024	Nidheesh Kumar B	Thickness Measurement and Flaw Detection of Low Density Materials on Different Substrates using Terahertz Time Domain Spectroscopy and Imaging
6.		413118001 25-Apr-2025	Neju Mathew Philip	Tailoring the Optoelectronic Properties of SnS Thin Films by Silver and Indium Doping for Heterojunction Diodes and Memristors
7.		413119001 17-Jun-2025	Aravind Nandakishor	An Investigation on the Fabrication of Heterojunctions and Resistive Memory Devices using Iron and Magnesium based Quaternary Chalcogenide Thin Films
8.	Dr. R. Justin Joseyphus	413119006 16-Dec-2024	Lebert Sam Billgates M	Structural and Finite Temperature Magnetism of Non-Equilibrium FeNi Alloys
9.		413119013 15-Jul-2025	Vismaya Rajeevan	Structure and Magnetic Properties of FeCo Based Alloys and Core-Shell Structures Obtained Through Instant Polyol Process
10.	Dr. B. Karthikeyan	413119002 27-Dec-2024	Arjun K	Ultraviolet Photodetector and Nonlinear Optical Properties of Molybdenum disulphide/PEDOT: PSS Nanocomposite Films
11.	Dr. A. Chandra	413119012	Siva Shalini S	Design and Development

	Bose	12-Feb-2025		of Mono and Bimetallic Metal-Organic Frameworks and their Composites for Supercapacitor Applications
12.	Dr. D. Sastikumar	413119011 29-Apr-2025	Rohini P	Heteroatom Doped and Co-Doped Graphene Oxide by Nanosecond Pulsed Laser Ablation of Graphene in Liquid for Bioimaging and Fiber-Optic Gas Sensing Applications
13.	Dr. S. Manivannan	413118006 12-Jun-2025	Amrutha E G	Engineering of Carbon Dots with Heteroatom Placement: Enhanced Photophysical Properties and Fluorescence Sensing of Biomolecules and Ions
14.	Dr. A. Chandra Bose	413119004 13-Jun-2025	Balamurugan R	Designing Advanced Metal-Organic Frameworks and Carbon Nanostructures for High-Performance Hybrid and Flexible Supercapacitors
15.	Dr. J. Hemalatha	413115007 18-Jun-2025	Kirithiga R	Investigation of Magnetite-based Hybrid Nanofluids for Magnetically Tunable Heat Transfer Application in Solar Collector
16.		413916002 16-Jul-2025	Nirmal Kumar R	Preparation and Characterization of PVDF/Ferrite/Graphitic Carbon Nitride Nanocomposite Films for EMI Shielding and VOC Sensing Applications
17.	Dr. M. Ashok	413114054 07-Jul-2025	Praveena Prabhakaran	Layered Double Hydroxide-based Nanocomposites for Electrochemical Sensing Application

### Department of Production Engineering

Sl. No.	Names of the Guide	Roll No. Viva Date	Name	Title of Thesis
1.	Dr. D. Lenin Singaravelu	414119006 04-Dec-2024	Sathyamoorthy G	Development and Characterization of Copper-Free Friction Composites for Automotive Brake Applications
2.	Dr. P. Sathiya	414917062 05-Dec-2024	Sathish Kumar G	Experimental Investigation and Analysis of Laser Beam Welding of Hastelloy X and its Parameter Optimization
3.		414915005 20-Mar-2025	Srinivasan P	Effect of Spherical Ball Shoulder with Different

				Tool Pin Profiles on the Metallurgical and Mechanical Characteristics of Friction Stir Welded AA2219-T87 Alloy
4.	Dr. K. Panneerselvam	414916053 18-Feb-2025	J Vinodh Jose	Weldability Studies on Polyether Ether Ketone by Friction Associated Processes
5.	Dr. R. Jeyapaul	414119005 10-Mar-2025	Rajesh R	Analysis of Strategies and Vehicle Routing in Indian LPG Distribution Industry
6.	Dr. S. Vinodh	414917001 24-Mar-2025	Sakthivel Murugan R	Investigations on Parameters Optimization, Prioritization and Deployment of Design for Additive Manufacturing Methods for Automotive Products
7.	Dr. V. Anandakrishnan	414915002 28-Mar-2025	Keerthivasan N	Investigations on the Recovery and Recycling of TiC Reinforcement in Al-Zn-Mg-Cu Matrix Composites
8.	Dr. P. Senthil	414917056 09-Apr-2025	Captan Prabakaran A	Effect of Post-Processing on the Surface Characteristics, Mechanical and Tribological Behavior of 3D-Printed Acrylonitrile Styrene Acrylate Parts
9.	Dr. T. Jagadesh	414321001 11-Apr-2025	Deepu P Nair	Investigation into Surface Integrity and Morphology of Micro Hole during Femtosecond Laser Drilling of Thermal Barrier Coated Titanium Alloy
10.		414120006 11-Jul-2025	Pradeep Kumar Mishra	Investigation into Mechanical Characterization of 3D Printed Nylon Carbon Fiber Composites
11.	Dr. K. Panneerselvam	414918061 15-May-2025	Sampath Kumar S	Experimental Investigation on Interaction, Mechanical, Thermal and Tribological Characteristics of High-density Polyethylene / Multi-walled Carbon Nanotube / Tungsten disulfide Hybrid Composites
12.	Dr. P. Parthiban	414915056 16-May-2025	M Nadanakumar	Enhancing Supply Chain Efficiency: The Integration of Artificial Intelligence in

				Procurement System Management and Third-Party Logistics
13.	<b>Co-guide:</b> Dr. V. Anandakrishnan	414915057 16-May-2025	Rajendiran K	Optimization of Electrochemical Micro - Machining Parameters for Nickel - based Alloys
14.		414117004 22-May-2025	Venkatesan SU	Evaluation of Mechanical, Corrosion and Tribological Properties of Bronze Based Metal Matrix Composites
15.	Dr. J. Jerald	414119053 22-May-2025	Karthikeyan R	Investigating Potential Challenges, Maintenance Aspects, and Performance Measures of Integrating and Implementing Lean with Industry 4.0 in the Heavy Fabrication Industry
16.		414121003 14-Jul-2025	Sivakumar M	Investigations on the Effect of Laser Shock Peening on Surface Integrity, Mechanical Properties, and Corrosion Behavior of Wire Arc Additive Manufactured Grade 91 Steel and Monel-400 Bimetallic Components
17.	Dr. V. Senthilkumar	414119052 12-Jun-2025	Justus Panicker C T	Improvement of Mechanical Properties through Insitu Modifications of ER70S6 Alloy during Wire Arc Additive Manufacturing
18.	Dr. P. Asokan	414120007 09-Jul-2025	Puviarasu M	Sustainable Supply Chain Management in Battery Industry: Performance Enhancement, Consumer Engagement and Strategic Facility Location
19.	Dr. Matruprasad Rout	414120003 10-Jul-2025	Murugabalaji V	Microstructure, Corrosion and Wear Characteristics of Multistep Hot Cross Rolled AA7075 and AA7075/SiC/Graphite Hybrid Composite
20.	Dr. M. Vasu	414120008 14-Jul-2025	Surjeet Singh Bedi	Material Characterization of Multifunctional Graphene-Reinforced Polyethylene Terephthalate Glycol (PETG) Composite Filaments Fabricated via Fused Deposition Modeling

				(FDM) Technique
21.	Dr. Prakash Kumar	414120005 18-Jul-2025	Niraj Kumar	Investigation on Microstructural and Mechanical Properties of Dissimilar Welded Joints Between Inconel 718 and Austenitic Stainless Steel 304L Using Arc Welding Processes

## 2.0 MASTER OF SCIENCE (BY RESEARCH)

### Department of Civil Engineering

Sl. No.	Names of the Guide	Roll No.	Name	Title of Thesis
1.	Dr. R. Senthilkumar	303322051 15-Jul-2025	Vijay T	Flexural Strengthening of Reinforced Concrete Beams using Unidirectional Basalt Fiber Fabric

### Department of Instrumentation and Control Engineering

Sl. No.	Names of the Guide	Roll No.	Name	Title of Thesis
1.	Dr. N. Sivakumaran	310923001 26-May-2025	Vinukumar A R	Design and Implementation of C-DAC VEGA RISC-V Microcontroller System for Industrial Automation

### Department of Production Engineering

Sl. No.	Names of the Guide	Roll No.	Name	Title of Thesis
1.	Dr. P. Senthil	314921002 24-Feb-2025	Pradeep P I	Experimental Studies on Coaxial Wire-Fed Electron Beam Directed Energy Deposited Ti-6Al-4V Dome for Aerospace Application
2.	Dr. P. Sathiya	314914006 17-Mar-2025	Sivananthan A	Cycle Time Reduction in Fabrication Industry using Value Stream Mapping and Method Study
3.	Dr. D. Lenin Singaravelu	314920001 11-Jul-2025	Chakravarthy R	Optimizing Tool Setting in Automatic Tube Cutting and Edge Preparation Machines for Enhanced Productivity and Efficiency