

List of 2023 Batch - 1 Ph.D. Research Scholars

Batch 1: March 2023 – 24

| SI No. | Research Scholar | USN | Research Supervisor / Co – Supervisor | Title |
|---------------|-------------------------|-------------|--|--|
| 1. | Ashwini E M | R23E01CS001 | Dr. Neelambike S | The Effective usage of Cloud Computing and Securing the Cloud Infrastructure |
| 2. | Dayanand Bhovi | R23E01CS002 | Maheshwari Patil* | |
| 3. | Manjula K | R23E01CS003 | Dr. Rachana P G | Early Detection of Breast Cancer from Mammogram Images using Artificial Intelligence Approaches |
| 4. | Rashmi S C | R23E01CS004 | Dr. B N Veerappa* | Digital Linguistic Markers for Age and Gender Prediction from Chat Data for Online Safety |
| 5. | Thippeswamy G N | R23E01CS005 | Dr. Neelambike S | Predictive Maintenance with Intelligence Escation |
| 6. | Usha N | R23E01CS006 | Dr. B N Veerappa* | Enhancing Fetal Ultrasound Images for Growth Monitoring of Limbs and other organs using AI |
| 7. | Akshata Chavan | R23E01EC001 | Dr. Rajashekhar Somasagar | Implementation of Image based AI System for Multicrop Disease Detection and Diagnosis |
| 8. | Deepika V B | R23E01EC002 | Dr. Praveen J | Design and implementation of Low Power Voltage Controlled Oscillator (VCO) based ADC in 45nm, 90nm CMOS Technology for Biomedical Applications |
| 9. | Gnanika I V | R23E01EC003 | Dr. Kavitha K J | An Efficient Approach for Face Recognition using Vedic Mathematics on FPGA |
| 10. | Jambukesh H J | R23E01EC004 | Dr. Rajashekhar Somasagar | Development of POC Device for Pathogens and Bacteria Detection and Diagnosis |
| 11. | Nishchitha K B | R23M01MB001 | Dr. Basavaraju P S | Luxury brands and sustainability in Indian fashion industry |
| 12. | Rashmi J | R23M01MB002 | Dr. Keerthi S | An Empirical Study on the Impact of Entrepreneurial Leadership on the Performance of Small Medium Enterprises in Davanagere District |
| 13. | Rubeena J | R23M01MB003 | Dr. Basavaraj Swamy* | ---- |



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|-----|-----------------|-------------|-------------------|---|
| 14. | Varsha Hiremath | R23M01MB004 | Dr. K Jagadeswari | A Comprehensive Study on Role of Employee Engagement & Retention Strategies in Enhancing Performance in North Karnataka's Retail Stores |
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Batch 2: September 2024

| SI No. | Research Scholar | USN | Research Supervisor / Co – Supervisor | Title |
|--------|------------------------|-------------|---------------------------------------|--|
| 15. | Jayashree Nagappanavar | R24B02CH001 | Dr. Santhosh B M | Electrochemical Investigation of Neurotransmitter by using Potential Metal-Oxide Nanocomposites |
| 16. | Shamala H M | R24B02CH002 | Dr. Veerabhadraswamy B N | Enhancing Nanoparticles to improve Treatment Efficiency and Reduce Side effects in Cancer Therapy |
| 17. | Shreeroopa | R24B02CH003 | Dr. V S Betageri | |
| 18. | Kumaraswamy M E | R24B02PH001 | Dr. Swaroop K | Synthesis and Characterization of PANI/PPY for Super Capacitor Applications |
| 19. | Manjunatha D | R24B02PH002 | Dr. Swaroop K | Synthesis Characterization of Polymer Nanocomposites for Gas Sensing Application |
| 20. | Chetan Kumar G S | R24E02CS001 | Dr. Veerappa B N * | A Hybrid Approach for Lung Cancer Classification using Deep and Transfer Learning Techniques and Validation using Explainable AI |
| 21. | Kavyashree P N | R24E02CS002 | Dr. Asha K | Develop a Predictive Model using XAI to forecast the movement of the Nifty-50 Index |
| 22. | Prakasha Nelaganahalli | R24E02CS003 | Dr. Veeragangadhara Swamy T M | IoT Based Vegetable Spoilage Detection using Methane Gas Sensors by Data Mining and Image Processing |
| 23. | Varun K S | R24E02CS004 | Dr. Rachana P G | Early Detection of Diabetic Retinopathy using AI-Powered Retinal Image Analysis |
| 24. | Kiran Kumar C M | R24E02CE001 | Dr. Varun B K | A Study on Subgrade Stabilization of Gravel, Loamy and Clayey Soil with GGBS, Copper Slag and Terrasil |
| 25. | Subramanya P G | R24E02CE002 | Dr. Harish B A | Microstructural Analysis and Strength Characteristics of Concrete with Aluminium Dross Ash as a cement Replacement |
| 26. | Abhilash L N | R24E02EC001 | Dr. Kavitha K J | Application of Vedic Mathematics in Liver Cancer Detection within Medical Image Processing |
| 27. | Basavaraja A S | R24E02EC002 | Dr. Rajashekhar Somasagar | Hybrid Deep Learning Model for Emotion Classification using Facial Expression Recognition |
| 28. | Manjya Naik R | R24E02EC003 | Dr. Praveen J | Design of Low Power-BIST based on Test Pattern Generation with Maximum Fault Coverage for VLSI Application Circuit |



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|-----|---------------------|-------------|-------------------|--|
| 29. | Tanuja T | R24E02EC004 | Dr. Kavitha K J | Optimizing Brain Cancer Diagnosis with Object Detection and Deep Learning Models |
| 30. | Shilpa S K | R24E02EE001 | Dr. Netravati U M | Performance Analysis of Sensor less Control using AI technique of BLPC motor for Vehicle Application |
| 31. | Yasmin Begum | R24E02ME001 | Dr. Bharath K N | Metal Matrix Composites of Failure Analysis |
| 32. | Pallavi Bolakatti | R24B02ZL001 | Dr. Prakash K K | Screening of Herbal Extracts for Potential use in Periodontitis Treatment |
| 33. | Rekha C N | R24B02ZL002 | Dr. Pavan K J | Optimizing Vermiculture Practices by Leveraging Earthworm Microbe Synergies |
| 34. | Anusha S H | R24M02CM001 | Dr. Shweta H S | Examining the Role of Work Environment in Shaping Job Satisfaction among Women Educators in Higher Education |
| 35. | Kiran Kumar G K | R24M02CM002 | Dr. Shweta H S | Assessing the Role of FinTech Adoption in Investment Decisions among Young Adults in Urban India |
| 36. | Syeda Muskan Unnisa | R24M02CM003 | Dr. Shweta H S | ---- |

Batch 3: January 2025

| SI No. | Research Scholar | USN | Research Supervisor / Co – Supervisor | Title |
|--------|-------------------------|-------------|---------------------------------------|---|
| 37. | Ashwini G T | R25E01CS001 | Dr. Nasreen Taj | Hierarchical Multi-Scale Swin Transformer for Enhanced Handwritten Text Recognition |
| 38. | Devraj H S | R25E01CS002 | Dr. Shivanagowda G M | Cybersecurity Framework for Protecting Advanced Driver-Assistance Systems [ADAS] Against Emerging Threats |
| 39. | Rekha M R | R25E01CS003 | Dr. Neelambike S | A Scalable and Privacy-Preserving Authentication Scheme with Reduced Latency for Vehicular Communication |
| 40. | Sindhu K S | R25C01CA001 | Dr. Shweta Marigoudar | Real time face skin cancer detection on smartphone using edge AI and lightweight vision transformers |
| 41. | Soumya Yattinahalli | R25E01CS004 | Dr. Sunil Kumar B S | Edge AI driven Multimodal Deep Learning Framework for Precision Agriculture in Resource-Limited Environments Abstract |
| 42. | Akash C Arakere | R25E01CE001 | Dr. Varun B K | An experimental study of fiber reinforced concrete with Alccofine as a partial cement replacement |
| 43. | Avinash H R D | R25E01CE002 | Dr. Kiran Kumar H S | Studies on treatment of Electroplating industry wastewater by Electocoagulation |
| 44. | Jagadeesh V Marabaraddi | R25E01CE003 | Dr. Harish B A | Experimental study on Sustainable Fiber Reinforced Ferrock Concrete |



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|-----|---------------------|-------------|------------------------|---|
| 45. | Pruthvi Rani K M | R25E01CE004 | Dr. Hanumesh B M | Impact of Biomedical waste ash on the characteristics of concrete |
| 46. | Meghana S | R25B01MM001 | Dr. Onkarappa K S | Mathematical Modelling of Energy and Mass Transport in Laminar Boundary Layer Flow |
| 47. | Megha A Hiremath | R25B01PH001 | Dr. Swaroop K | UV- induced Fabrication of PVA/Chitosan Hydrogel Thin Films: Characterization and Analysis |
| 48. | Sahil R | R25B01PH002 | Dr. Swaroop K | Design and Development of Conducting Polymer Hydrogels for Multifunctional Sensing Applications |
| 49. | Aishwarya M Goudar | R25B01CH001 | Dr. Santhosh B M | Biomass derived electrochemical sensors for analysis of Pharmaceutical drugs |
| 50. | Bhavana G M | R25B01CH002 | Dr. Hareesha N | Development of carbon and metal based nanocomposite- efficient electrocatalyst for hydrogen evolution |
| 51. | Nisha S P | R25B01CH003 | Dr. Santhosh B M | Synthesis and characterization of Nano composite based electro catalyst for water splitting |
| 52. | Manjunath Swamy K S | R25B01BY001 | Dr. Aruna Charantimath | Phytochemical Characterization and Therapeutic Potential of Selected Medicinal Plants |
| 53. | Kavya P Poojar | R25B01BT001 | Dr. Gurumurthy H | Assessment of In Vitro and In Vivo Effects of Ocimum sanctum-Based Active Constituents on Sperm Functional and Molecular Events in Golden Hamster |
| 54. | Ashwini H V | R25B01ZL001 | Dr. Prakash K K | Neurobehavioral and lifespan effects of Perampanel and Azadirachta Indica extract in Drosophila ananassae |
| 55. | Raveesh C | R25M01CM001 | Dr. Shweta H S | Impact of GST compliances on MSMEs in Hassan District of Karnataka |
| 56. | Darshan B N | R25M01MB001 | Dr. Basavaraju P S | Marketing strategies for agriculture startups in Karnataka: exploring Government support and marketing challenges |
| 57. | Lohit R Patil | R25M01MB002 | Dr. Shreeshaila P V | Accessing Credit and Government Schemes by SMEs: Prospects and Problems in Select Tier 2 and Tier 3 Cities of Karnataka |

Batch 4: September 2025

| SI No. | Research Scholar | USN | Research Supervisor / Co – Supervisor | Title |
|--------|------------------|-------------|---------------------------------------|----------------------|
| 53. | Sahana R | R25E02CS001 | Dr. Shweta Marigoudar | Yet to be finalized. |



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|----|--------------------|-------------|-----------------------------------|----------------------|
| 54 | Shivakumara B G | R25E02CS002 | Dr. Chethan Chandra S Basavaraddi | Yet to be finalized. |
| 55 | Lavakumar T B | R25E02EC001 | Dr. Kavitha K J | Yet to be finalized. |
| 56 | Neetha V Mudaraddi | R25E02EC002 | Dr. Kavitha K J | Yet to be finalized. |
| 57 | Bhavana Jadav V | R25E02CE001 | Dr. Harish B A | Yet to be finalized. |
| 58 | Prasanna Nadagouda | R25E02CE002 | Dr. Kiran Kumar H S | Yet to be finalized. |
| 59 | Raju M | R25E02CE003 | Dr. Hanumesh B M | Yet to be finalized. |
| 60 | Shradha Hiremath | R25E02CE004 | Dr. Varun B K | Yet to be finalized. |
| 61 | Girish G B | R25E02ME001 | Dr. Srinivasa C V | Yet to be finalized. |
| 62 | Manjunatha S | R25E02ME002 | Dr. Srinivasa C V | Yet to be finalized. |
| 63 | Jeevan K N | R25B02PH001 | Dr. Vijayakumar D Jangannanavar | Yet to be finalized. |
| 64 | Pallavi Upadhye | R25B02CH001 | Dr. Santhosh B M | Yet to be finalized. |
| 65 | P R Nagashri | R25B02MM001 | Dr. Madhukesh J K | Yet to be finalized. |



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|----|---------------------------|-------------|----------------------|----------------------|
| 66 | Pratibha Hiremath | R25B02MM002 | Dr. Madhukesh J K | Yet to be finalized. |
| 67 | Monica Patti | R25M01CM001 | Dr. H. S. Shweta | Yet to be finalized. |
| 68 | Sachinkumar N Sarangamath | R25M01CM002 | Dr. Gangadhar Hugar* | Yet to be finalized. |
| 69 | Divya Karthik | R25M02MB001 | Dr. Keerthi S | Yet to be finalized. |
| 70 | Naveena Kumar B | R25M02MB002 | Dr. Keerthi S | Yet to be finalized. |

*** Note:** Allocation of the new Research Supervisor to the Research Scholar is to be carried out as per the University norms.