# JSS ACADEMY OF TECHNICAL EDUCATION
## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
## <u>List of scholars awarded PhD</u>

| Guide | Research Scholar | Area | University | Year of Award |
|---|---|---|---|---|
| Dr. PB Mallikarjuna | Mr. Niranjan C Kundur | A unified Machine Learning frame work for crop management. | VTU | 2023 |
| Dr. PB Mallikarjuna | Mr. Sreenath M | Vibration Data Analytics using ML and DL | VTU | 2023 |
| Dr. Dayananda P | Niranjan E | Development and performance evaluation of object recognition algorithms. | VTU | 2023 |
| Dr.DV Ashoka | Manjunath B Talawar | Machine Learning , Computer Network | VTU | 2023 |
| Dr. Malini M Patil | Manjunath | Study and Analysis of Image Forgeries by Traces of Resampling | VTU | 2023 |
| Dr. Malini M Patil | Anitha P | Supply Chain Data Analytics using Big Data: A Novel Approach. | VTU | 2023 |
| Dr. Dayananda P | Anil B C | Knowledge discovery from medical image databases Quantitative identification of liver cancer cells from elementary to advanced stage. | VTU | 2022 |
| Dr. Malini M Patil | Basavaraj Hiremath | A Cognitive Method for Sarcasm Detection in Multimedia Data. | VTU | 2022 |

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| Dr. Prabhudev Jagadeesh | Rajeev Kumar | Bandwidth estimation for quality of a service routing in mobile and adhoc networks. | VTU | 2022 |
| Dr. Mrityunjaya V Latte | Sushila Shidnal | A methodology for nutrient deficiency and sufficiency based yield prediction from paddy field images | VTU | 2019 |

# JSS ACADEMY OF TECHNICAL EDUCATION
## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
### List of Guides & Areas

| Sl.No | Research Guide | Area of Specialization |
|-------|----------------|------------------------|
| 1. | Dr.D VAshoka | Artificial Intelligence & Knowledge Engineering |
| 2. | Dr. Prabhudev Jagadeesh | Image Processing |
| 3. | Dr. Naveen N C | Security and Data Science |
| 4. | Dr. PB Mallikarjuna | Pattern Recognition & Image Processing |
| 5. | Dr. Nagasundara K B | Pattern Recognition & Image Processing |
| 6. | Dr. Dayananda P | Computer Networks |
| 7. | Dr. Malini M Patil | Comput Supply Chain Management, Artificial Intelligence |
| 8. | Dr Rekha P M | Cloud Computing |
| 9. | Dr. Naidila Sadashiv | Cloud Computing |
| 10. | Dr. Nethravathi B | Computer Networks |
| 11. | Dr. Sowmya K.N | Video Forensics, Machine Learning |
| 12. | Dr. Nagamani N P | Cloud Computing |
| 13. | Dr. Pradeep H K | Artificial Intelligence, Agro Informatics, Finite Automata & Formal Languages |

# JSS ACADEMY OF TECHNICAL EDUCATION DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
## List of Scholars

| Sl No | Guide | Research Scholar (Full/ Part Time) | Research Topic | Registration(Year) | Status |
|---|---|---|---|---|---|
| 1 | Dr. D VAshoka | Sridevi G M (Part Time) | Enhancing Hashing Techniques for High performance computing. | 2015 | Open Seminar 2 Completed |
| | | Basamma Umesh Patil (Part Time) | Cross Domain Data Integration in Big Data Stream Computing. | 2019 | Comprehensive Viva Completed |
| | | Chetan R (Part Time) | Intelligent Agro-Ecological Zoning using Machine learning for Multi-crop suggestion and Prediction. | 2019 | Comprehensive viva Completed |
| | | Shilphasree S (Part Time) | Hate speech recognition using NLP and ML | 2021 | Course Work Pending |
| | | Rajatha (Part Time) | Automated diagnosis of multiple retinal diseases using DL Techniques | 2021 | Course Work Pending |
| 2 | Dr. Prabhudev Jagadeesh | Haripriya (Part Time) | A Novel approach for network based intrusion detection using deep learning techniques. | 2019 | Open Seminar-I Completed |
| | | Pooja H (Part Time) | Clinical named entity recognition using Machine Learning Techniques. | 2017 | Comprehensive viva Completed |
| | | Asha Krishnamurthy (Part Time) | Interoperability of Healthcare data for predictive analysis. | 2021 | Enrolled for course work |
| 3 | Dr. Naveen N C | Mrs. Bhavani B H (Part Time) | Electronic Health Record Data Analysis Using Natural Language Processing. | 2021 | Enrolled for course work |
| 4 | Dr. PB Mallikarjuna | Pushpalatha (Part Time) | Pattern Recognition & Image processing | 2023 | Enrolled for course work |
| 5 | Dr. Nagasundara K B | Mr. Darshan L M (Part Time) | Recognition and classification of disguised faces. | 2020 | Comprehensive Viva Completed |
| | | Mr. Sandeep Ravikanti (Part Time) | An Intelligent way to track and identify the valuable things based on the GPS coordinates using Location tracking. | 2021 | Enrolled for course work |

| | | Mrs. Ashwini K (Part Time) | Ransomware detection using ML Techniques. | 2021 | Course Work Pending |
|---|---|---|---|---|---|
| | | Ravi Kumar V G (Part Time) | Pattern Recognition & Image processing | 2023 | Enrolled for course work |
| 6 | Dr. Dayananda P | Nithyashree B (Part Time) | Computer Networks | 2021 | Enrolled for course work |
| | | Neelambika B Hiremath (Full Time) | A Comprehensive Study of Molecular Data in Human Genome using Machine Learning Approach | 2017 | Colloquium Completed |
| 7 | Dr. Malini M Patil | Swetha Kaddi (Part Time) | Predictive Analytics of Clinical Data: A Comprehensive Approach. | 2017 | Open Seminar 1 completed |
| | | Krishna Aladi (Part Time) | Analysis of Drug Treatment for chronic Obstructive Pulmonary Disease using Deep Learn. | 2019 | Enrolled for course work |
| 8 | Dr Rekha P M | Punitha M (Part Time) | Cloud Computing | 2021 | Enrolled for course work |
| | | Sudha P R (Part Time) | Cloud Computing | 2021 | Enrolled for course work |
| | | Sinchana N M (Part Time) | Cloud Computing | 2023 | Enrolled for course work |
| 9 | Dr. Naidila Sadashiv | Kavitha M S (Part Time) | Efficient Load Balancing Strategies for Real-Time Applications in Fog Assisted Internet of Things. | 2021 | Enrolled for course work |
| | | Meena Kumari K S (Part Time) | Optimal Energy Based Task Offloading Strategies in Fog Computing Environments. | 2021 | Enrolled for course work |
| 10 | Dr. Nethravathi B | Hithesh Kumar P (Part Time) | Computer Networks | 2021 | Enrolled for course work |

# Department of Computer Science and Engineering

## Grants received from Government and non-governmental agencies for research projects

| Sl No | Name of the Project/ Endowments, Chairs | Name of the Principal Investigator/ Co-investivator | Year of Award | Amount Sanctioned | Duration of the project | Name of the Funding Agency |
|---|---|---|---|---|---|---|
| 1. | Design of Climate Smart Agriculture (CSA) based Surface Irrigation System to Improve Water Productivity: A study of select area of Karnataka | • Dr. Pradreep H K, Associate Professor, CSE, JSSATEB<br>• Dr. Adinarayana Jagarlapudi, Professor, CSRE, IIT, Bombay<br>• Dr. Karthikeyan Lanka, Assista Professor, CSRE, IIT, Bombay<br>• Dr. Deepak Singh, Scientist, ICAR-IISWC, Dehardun<br>• Dr. S S Shirahatti, Professor & University HoD of Agricultural Engineering, University of Agricultural Sciences, Dharwad<br>• Dr. Sreenatha M, Assistant Professor, CSE, JSSATE | 2023 | Rs. 13,50,000/- | 06 Months | Indian Council of Social Science Research (ICSSR), Special Call for Short-term Empirical Research |
| 2. | Internet of Things (IoT) and Drone Technology Applications in Digital Agriculture | • Dr. Pradreep H K, Associate Professor, CSE, JSSATE<br>• Dr. S R Desai, Professor, University of Agricultural Sciences, Dharwad | 2023 | Rs. 3,50,000/- | 06 Days FDP | AICTE, ATAL FDP |

| 3. | Ubiquitous precision crop management using agricultural IoT and UAV | • Dr. Arvind, Professor, ECE, JSSATEB<br>• Dr. Prabhudev Jagadeesh M.P, Professor, CSE, JSSATEB<br>• Dr. Pradreep H K, Associate Professor, CSE, JSSATEB | 2022 | Rs. 10,00,000/- | 2 Years | Visvesvaraya Technological University (VTU), Belagavi, Karnataka RGS Scheme |
|----|----|----|----|----|----|----|
| 4. | Artificial Intelligence & Machine Learning Techniques for Precision Agriculture | • Dr. Prabhudev Jagadeesh M.P, Professor, CSE, JSSATEB<br>• Dr. Pradreep H K, Associate Professor, CSE, JSSATEB | 2022 | Rs. 3,00,000/- | 15 Days FDP | AICTE, ATAL FDP |
| 5. | FDP on AI and Data Science | Snehalatha N, Assistant Professor, CSE, JSSATEB.<br>Dr.Rohitaksha K Assistant Professor, CSE, JSSATEB | 2021 | 1,00,000 | 10 Days FDP | Electronics and ICT academy, NIT Warangal |

| 6 | FDP on "BLOCKCHAIN" | • Dr.Naveen N C Professor, CSE, JSSATEB | 2021 | 93,000 | 7 Days FDP | AICTE Training and Learning Academy (ATAL) |
|---|---|---|---|---|---|---|
| 7 | Cloud Computing Based Rural And Mobile Health Care System, Secretary To Government, Department Of Information Technology, Biotechnology And Science & Technology, Govt Of Karnataka | • Dr. Naidila Sadashiv, AssociateProfessor, CSE, JSSATEB | 2020 | Rs. 500000 | 1 Year | VGST-SMYSR, Karnataka Science and Technology Promotion Society Government of Karnataka. Seed Money To Young Scientist For Research (SMYSR) |
| **Students Funded Projects** | | | | | | |
| 8 | Interview Bot | Dr. Niranjan C Kundur Associate Professor CSE JSSATEB | 2023 | 5,000 | 1 Year | Karnataka State Council for Science and Technology (KSCST) |
| 9 | Cross Lingual Transfer Learning For Natural LanguageUnderstanding | Snehalatha N Assistant Professor CSE, JSSATEB | 2023 | 4,000 | 1 Year | Karnataka State Council for Science and Technology (KSCST) |
| 10 | Automatic Identification of Helmet less Motorcyclist By License Place Number Recognition Using Traffic Surveillance Video | Dr. NaidilaSadashiv, Associate Professor, CSE, JSSATEB | 2022 | 5000 | 1 Year | Karnataka State Council for Science and Technology (KSCST) under theStudent Project Scheme |

| 11 | Shaala Loka – An E- Learning Platform, Karnataka State Council For Science and Technology (KSCST) | Snehalatha N, Assistant Professor, CSE, JSSATEB | 2021 | Rs.4000 | 1 Year | Karnataka State Council for Science and Technology (KSCST) under theStudent Project scheme |
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| 12 | Voice Captioning Of Images For Visually Challenged, Karnataka State Council For Science and Technology (KSCST) | Dr. PrabhudevJagadeesh Professor, CSE, JSSATEB | 2021 | Rs.4500 | 1 Year | Karnataka State Council for Science and Technology (KSCST) under theStudent Project scheme |
| 13 | Real Time Soil Monitoring System, Visvesaraya Technological Unviersity, Belagaum, Karanataka | Shanthala K V, Assistant Professor, CSE, JSSATEB | 2021 | Rs. 5000 | 1 Year | VTU,Belagavi Financial assistance for Innovative Project of UG students |
| 14. | Assistive Technology For Disabled Using Machine Learning and Iot | Rajeshwari K S, Assistant Professor, CSE, JSSATEB | 2021 | Rs. 5000 | 1 Year | VTU, Belagavi Financial assistance for Innovative Project of UG students |
| 15. | Garbage Segregation Using Image Processing | Dr. Naveen N C, Professor, CSE, JSSATEB | 2019 | Rs 4500 | 1 Year | Karnataka State Council for Science and Technology (KSCST) under theStudent Project scheme |