Research Guides and their specialisation

Sl. No	Research Guide	Area of Specialization	Remarks
1	Dr.D.V.Ashoka	Knowledge Engineering	2012 to till date
2	Dr. Malini M Patil	Data Mining and Data stream mining	2015 till date Relieved on 21/10/2022
3	Dr.Dayananda P	Information Retrieval	2017 Relieved on 21/10/2022
4	Dr.Chayadevi M L	Knowledge Discovery in Medical Image Databases	2018 till date Relieved on 31/03/2022
5	Dr.Rekha P M	Cloud Computing	2020 till date
6	Dr. Naidila Sadashiv	Cloud Computing	2025 till date
7	Dr. Sowmya K.N	Digital Forensics, Computer Vision	2022 till date
8	Dr.Nethravathi B	Computer Networks, AIML, Image Processing	2020 till date
9	Dr.Nagamani N.P	Cloud computing	2023
10	Dr. Abhijith H.V	Computer Networks	2023 Relieved
11	Dr. Sreenatha M	Artificial Intelligence	2023
12	Dr. Supriya B N	Artificial Intelligence	2026
13	Dr. Basamma U Patil	Artificial Intelligence	2026

The department is proud to inform that 9 research scholars have completed PhD under the guidance of department faculties in the last six years.

Ph.D. Awardees and their Research Supervisors

Name of the Guide	Name of the Research Scholar	Topic of the Research	RC/RRC details	University	Year of Award

Dr. D.V Ashoka	Rekha B	Secure scalable and interoperable inter domain routing in heterogeneous magnets	Jain University	Jain University	2018
Dr. D.V Ashoka	Bhat Geetha Laxmi Jayaram	Energy efficient data gathering techniques using multiple mobile elements in wireless sensor networks	CSE, SJBIT	VTU	2018
Dr. D.V Ashoka	Ajay Prakash B.V	Integration of data mining techniques in Agile methodologies	CSE, SJBIT	VTU	2018
Dr. D.V Ashoka	Mr. Manjunath B.T	A Machine Learning approach for efficient Traffic Engineering in Mobile Ad-hoc Networks	JSSATEB	VTU	2023
Dr. D.V Ashoka	Mrs. Sridevi G.M	Enhancing Hashing Techniques for High performance computing	JSSATEB	VTU	2024
Dr. Dayananda P	Anil B C	Knowledge discovery from medical image databases: Quantitative identification of liver cancer cells from elementary to advanced state	CSE, JSSATEB	**VTU**	2022

Dr. Dayananda P	Niranjan E	Development and performance evaluation of object recognition algorithms	CSE, JSSATEB	**VTU**	2023
Malini M Patil	Manjunath S	Study and Analysis of Image Forgeries by Traces of Resampling	CSE, JSSATEB	**VTU**	2023
Malini M Patil	Basavaraj Hiremath	A Cognitive Method for Sarcasm Detection in Multimedia Data	CSE, JSSATEB	**VTU**	2022
Malini M Patil	Anitha P	Supply Chain Data Analytics using Big Data: A Novel Approach	CSE, JSSATEB	**VTU**	2023
Malini M Patil	Shwetha S Kaddi		CSE, JSSATEB	**VTU**	2025
Dr. D.V Ashoka	Mr. Chethan R	Intelligent Agro-Ecological Zoning using Machine learning for Multi-crop suggestion and Prediction	JSSATEB	**VTU**	2025
Dr. D.V Ashoka	Mrs. Basamma U Patil	Cross Domain Data Integration in Big Data Stream Computing	JSSATEB	**VTU**	2025
Dr. D.V Ashoka	Ms. Rajatha	Computer Vision Diagnosis of Retina diseases using AI-ML	JSSATEB	**VTU**	2026
Dr. D.V Ashoka	Ms. Shilpashree S	Intelligent transport system using IoT	JSSATEB	**VTU**	2026
Dr. Sreenatha M	Mrs, Bhavani B H	Mental Health Analysis using Machine learning techniques	JSSATEB	**VTU**	2026

Research Scholars

“Imagination is the highest form of research”

-Albert Einstein

Research Scholars portray technical emotions. Both internal and external Research scholars have registered for Ph.D under VTU research centre.The Department research supervisors are shown in table below

Department Research Supervisors and Their Research Scholar Details

Name of the Guide	Name of the Research Scholar	Topic of the Research	RC/RRC details	University & Year of Registration	Status
Dr D.V Ashoka	Mr. Chethan R	Intelligent Agro-Ecological Zoning using Machine learning for Multi-crop suggestion and Prediction	JSSATEB	VTU/2019	PHD awarded
	Mrs. Basamma U Patil	Cross Domain Data Integration in Big Data Stream Computing	JSSATEB	VTU/2019	PHD awarded
	Mrs. Sridevi G.M	Enhancing Hashing Techniques for High performance computing	JSSATEB	VTU/2015	PHD awarded
	Ms. Rajatha	Computer Vision Diagnosis of Retina diseases using AI-ML	JSSATEB	VTU/2021	PHD awarded
	Ms. Shilpashree S	Intelligent transport system using IoT	JSSATEB	VTU/2021	PHD awarded
Dr.Dayananda P	Neelambika Hiremath	A Comprehensive Study of Molecular Data in Human Genome using Machine Learning Approach	JSSATEB	VTU/2017	PHD awarded

	Mr. Vijaykumar G	A deep learning based approaches for predictive image analysis and sentimental analysis in social applications.	JSSATEB	VTU / 2021	
	Mrs. Nithyashree B	Design of cryptography based security system for cloud computing.	JSSATEB	VTU/2021	
Dr. Malini M Patil	Swetha Kaddi	Predictive Analytics of Clinical Data: A Comprehensive Approach.	JSSATEB	VTU/2017	PHD awarded
	Krishna Aladi	Analysis of Drug Treatment for chronic Obstructive Pulmonary Disease using Deep Learning	JSSATEB	VTU/2018	five out of six course work Completed
	Rekha A Sidnekoppa	Soft Computing Techniques Based Medical Image diagnosis by Spatial and frequency features.	JSSATEB	VTU/2021	Registered
Dr Chayadevi M L	Shraddha	Hybrid approaches to Noise cancellation algorithm for speech recognition	JSSATEB	VTU/2018	Course Work Completed
	Ms. Anireekshita Narayana	A Novel approach for service discovery in cloud orchestered SIOT using Machine Learning	JSSATEB	VTU/2021	Registered
	Ms. Latha S.S	Deep Learning Based Intrusion detection system for novel distributed deniel of service attack in cloud storage application.	JSSATEB	VTU/2021	Registered
Dr. Rekha P.M	Sudha P R	Optimal workload allocation towards load balancing and secure data management in data centers.	JSSATEB	VTU/2021	Comprehensive Viva (CV) completed

	Punitha M	IoT based Predictive Maintenance Model for Smart City through Cloud Integration	JSSATEB	VTU/2021	Comprehensive Viva (CV) completed
	Sukrutha C Basappa	Title: A Privacy-Aware Edge Intelligence Framework for Cardiovascular Monitoring on Wearable Device using a Domain-Specific Small Language Model	JSSATEB	VTU/2024	Comprehensive Viva (CV) completed
	Sinchana N M	Enchancing Cloud Security -Privacy-Preserving Authentication Techniques for secure data management	Blackline Technologies, Bengaluru	VTU/2023	Comprehensive Viva (CV) completed
Dr. Nethravathi B	Mr. Hitesh Kumar P	Human GAIT Recognition Under Multi- View Conditions	JSSATEB	VTU/2021	Comprehensive viva completed
	Sandya Rani	Prediction of Arrhythmia and Cardiovascular Diseases type using Advanced Machine Learning Techniques	JSSATEB	VTU/2023	Comprehensive viva completed
	Syeda Sumaiya Afreen	Advancing SteadyState Visual Evoked Potentials SSVEP for Enhanced Brain Computer Interfaces Detection Robustness and Deep Learning Integration	JSSATEB	VTU/2021	COURSE WORK 1 completed 3 pending
	Sangamitra Kamble	Disease detection for crop yield using machine learning	JSSATEB	VTU/2023	COURSE WORK: 3 completed 1 pending

	Matoori Praveen	Analyzing Post COVID Health Impact using Advanced Machine Learning Technique	JSSATEB	VTU/2024	Comprehensive viva completed
	Bhookya Ramesh	Exploring Technological Advancements and Addressing Challenges in Aerial Vehicle System: Apath towards Autonomous and efficient Flight	JSSATEB	VTU/2024	COURSE WORK
Dr. Sowmya K.N	Mrs Kavitha C. R	Cloud Computing	JSSATEB	VTU/2022	Course work completed
Dr.Nagamani N.P	MARY M DSOUZA	Design of auto elasticity for micro services in cloud computing	JSSATEB	2023	Course work completed
	Usha	Synthetic Intelligence for test case generation in software engineering	JSSATEB	VTU/2025	New Registration
	V Prema Tulasi	Enhancing soil and nutrient management in precision agriculture through big data analytics	JSSATEB	VTU/2024	Course work exam to be taken
Dr. Abhijith H.V	Deepa Pattan	Design of Intelligent Data Analysis Framework for Resource Constrained IoT Applications	JSSATEB	2023	New Registration
	Anitha M C	Design of Intelligent Machine Learning model for Real time Prediction of Heart Diseases	JSSATEB	2023	New Registration
Dr. Naidaila Sadashiv	Meenakumari K S	Adaptive Offloading Mechanisms in Edge and Fog	Presidency University,	VTU/2021	Comprehensive Viva (CV) completed

		Computing Environment	Bengaluru		
	Manasa D S	Enhancing Cybersecurity using Quantum Computing and Machine Learning techniques	JSSATEB	VTU/2025	Course work exams to be taken
Dr. Sreenatha M	Mrs. Reshma B	A study on security framework for heterogeneous and resources constrained IOT network	JSSATEB	VTU/2025	Course work exams to be taken