



JSS Mahavidyapeetha

JSS Academy of Technical Education

Dr. Vishnuvardhan Road, Srinivasapura post Bangalore 560060

www.Jssateb.ac.in



FACULTY PROFILE

Department: Information Science and Engineering

1. Personal Details

NAME	Dr. Sreenatha M	
DEPARTMENT	Information Science and Engineering	
DESIGNATION	Associate Professor	
PHONE	+91 9535520949	
EMAIL ID	sreenatham@jssateb.ac.in	
Date of Joining (JSSATEB)	23-07-2012	

2. Experience

Total Experience in Years	Teaching: 17 Years	Industry: 5	Research: 6 Years
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3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.E.	Computer Science and Engineering	1998	UBDT College of Engineering, Davanagere, Karnataka INDIA	Kuvempu University, Shivamogga, Karnataka
M.Tech.	Software Engineering	2002	Sri Jayachamarajendra College of Engineering, Mysuru, Karnataka INDIA	Visvesvaraya Technological University, Belagavi Karnataka.
Ph.D.	Computer and Information Sciences	2023	JSS Academy of Technical Education, Bengaluru Karnataka INDIA	Visvesvaraya Technological University, Belagavi Karnataka.

4. Research & Publications

Papers Published in Web of Science indexed Journals	International:02	National:
Papers Published in SCOPUS indexed Journals	International:05	National:
Papers Published in other Journals	International:05	National:
Papers Presented in Conferences / Symposium	International:05	National: 01
Books / Book chapters Published	Name of the book: ICT for Competitive Strategies Publisher: Taylor and Francis, CRC Press Year of Publication: May 5 th , 2020 DOI: https://doi.org/10.1201/9781003052098	

5. Research Guidance

PhD Guide? Give field & University	Recognized Research Guide – Visvesvaraya Technological University (VTU), Belagavi	
PhDs / Projects Guided	Guiding two PhD Scholars under	Projects at Master's Level: 06 Projects at Bachelor's Level:18

6. Grants

i. Funds Received (Projects)

Project Name	Grant Amount	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
Design of Climate Smart Agriculture (CSA) based Surface Irrigation System to Improve Water Productivity: A Study of Select Areas of Karnataka	₹13,50,000/-	11.09.2023	6 Months	ICSSR, New Delhi

ii. Patents

Sl. No.	Title Details	Details of award of patent / Filed
1	A Method And System For Automated Aerial Harvesting Of Agricultural Products Using Drones	Filed / 202541112241
2	A Method, System And Vehicle For Automated Tyre Pressure Verification And Regulation Using Image	Filed / 202541114019
3	A Method, System And Bicycle For Enhancing Bicycle Safety With Integrated Multi-Domain Threat Detect	Filed / 202541108602
4	Dynamically Modifying Road Infrastructure For Emergency Vehicle Passage	Filed / 202641004894
5	AI based Robot for Global market using Renko Chart	Published / 202511054200

iii. Consultancy

7. Awards Received

1	Resource person for two days program on “Insight into Machine Learning using Python” for final year ECE-Dept, Government Engineering College, Kushalnagara students.
2	Evaluated Ph.D Thesis.
3	Resource person for workshop on “Machine Learning with Python” at Sanjay Memorial Polytechnic, Sagar, Shivamogga.
4	Resource person in an internal FDP program on “C-Programming” at JSSATE, Bengaluru.
5	Resource person in orientation program on Python Programming for III Sem Civil-Dept Students.
6	Resource person in an internal FDP program on “MCES Laboratory” for CSE-Dept Faculty.
7	Working as SSP Scholarship Co-Ordinator and working as NBA Co-Ordinator at the institution level.
8	Trail Blazers Award at BU level for the Best Team at Wipro Technologies.
9	Feather-In-Cap Award for being an Outstanding Individual Contributor at Wipro Technologies

8. Publications

i. International Journals

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS/ Scopus / Both	Impact Factor	Publisher
1	Diagnosis and Classification of Depressive Disorders using ML and DL Models	B H Bhavani, Niranjan C Kundur	Engineering, Technology & Applied Science Research (ETASR)	Volume 15 Issue 2 Year: 2025 Pages 21383-21389	Scopus	1.5	ETASR
2	A fault diagnosis technique for wind turbine gearbox: An approach using optimized blstm neural network with undercomplete autoencoder	P B Mallikarjuna	Engineering, Technology & Applied Science Research (ETASR)	Volume 13 Issue 1 Year: 2023 Pages 10170-10174	Scopus	1,5	ETASR

3	Aircraft Gearbox Fault Diagnosis System: An Approach based on Deep Learning Techniques	Dr. P B Mallikarjuna, Manjunatha S, Niranjana C Kundur	Journal of Intelligent Systems,	vol.30(1), Aug 15 th 2020	Both	0.557	De Gruyter
4	Analyzing Social Media Data in Educational Sectors using Data Mining Techniques	Manjunatha B Talawar, Prasad M R, Niranjana C Kundur	IJCSIT	ISSN: 0975-9646 Volume No. : 7 Issue Page No	----		IJCSIT
5	A survey on Mining Statistical Analysis of Social Website Data using syntactic analysis and Hybrid Classification	Niranjana C Kundur, Rohithaksha K, Abhilash C B	IJCSIT	ISSN 0975-9646 Volume No. : 6 Issue 4	----		IJCSIT
6	Instant Access of Power usage through IP Enabled Electronic Power Meter	Sharanabasavana Gowda, Manjunath B Talawar, Dr.D V Ashoka.	International Journal of Engineering Research and Development	ISSN : 2278-800X Online ISSN : 2278-067X Issue 3 Volume No. : 11 Month & Year : Mar 2015 Page No : 60-63	----	---	IJERD
7	An Improved Approach to Minimize Context Switching in Round Robin Scheduling Algorithm using Optimization Techniques	Mahesh Kumar M R, Renuka Rajendra B, Niranjana C Kundur	International Journal of Research in Engineering and Technology (IJRET)	eISSN : 2319-1163 pISSN : 2321-7308 Volume No. :3 Issue 4 Month & Year : April 2014	-----	-----	eSAT

ii. National Journals

iii. Conferences

Sl . No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus	Impact Factor	Publisher
1	Hybrid Machine Learning Framework for Burnout and Retention Modeling in Urban Indian IT Employees	Niranjana C Kundur, BC Anil, SR Jayasimha	ISBM 2025	Part of the book series: Lecture Notes in Networks and Systems ((LNNS, volume 1748))			Springer Nature Switzerland
1	Analysis of the interference after introduction of femto cell to the macro cell network in LTE using Optimization Techniques	Mahesh Kumar M R, Renuka Rajendra B, Niranjana C Kundur	ERCICA-2014	ISBN:9789351072621 August 2014 https://www.nmit.ac.in/ercica/pdf/ERCICA-2014-volume-II.pdf	Scopus		Elsevier
2	An Improved Approach to Avoid Indefinite Blocking/Starvation in Priority Scheduling Algorithm using Optimization Techniques	Mahesh Kumar M R, Renuka Rajendra B, Niranjana C Kundur	ERCICA-2014	ISBN:9789351072638 August 2014 https://www.nmit.ac.in/ercica/pdf/ERCICA-2014-volume-III-Lowres-pdfs-24thSep14.pdf	Scopus		Elsevier
3	Prediction of the length of the next CPU burst in SJF scheduling Algorithm using Dual Simplex Method	Mahesh Kumar M R, Renuka Rajendra B, Niranjana C Kundur	ICCTET-2014	ISBN:978-1-4799-7986-8 July -2014 DOI: 10.1109/ICCTET.2014.6966296	----		IEEE
4	Communication and Implementation of Plug and Play Enabled Devices in Sensor Network	Mahesh Kumar M R	International Journal of P2P Network Trends and Technology (IJPTT)	JSSN : 2249-2615 Volume No.: 3 Issue 3 Month & Year: March 2013	----		Seventh Sense Research Group (SSRG)

iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organiser	Date
1	Five day faculty development program on "Thrust areas in Artificial Intelligence: A Multidisciplinary Approach"	JSS Academy Of Technical Education Department of ISE, Bengaluru-60	7-02-2022 to 11-02-2022
2	Two-Week Online Faculty Development Programme on "Machine Learning with Python"	E & ICT Academy, IIT Kanpur	24-08-2021 to 3-09-2021
3	Two-Week Online Faculty Development Programme on "Applied Data Science"	B. M. S. College of Engineering, Bengaluru	06-07-2020 to 17-07-2020,
4	Five Day FDP on " A DevOpps Approach: Dockers in Blockchain"	AMC Engineering College, Bengaluru	17-06-2020 to 21-06-2020
5	Webinar on " New Frontiers on Cloud Computing"	NIE, Mysuru	22-06-2020
6	Two-Days FDP on " Microcontroller and Embedded Systems"	ALVA'S Institute of Engg. Technology, Moodbidri.	24-01-2020 to 25-01-2020
7	One-Week FDP on "Big Data Analytics with Hadoop"	E & ICT Academy, NIT, Warangal at SDMIT, Ujjire.	07-01-2019 to 12-01-2019
8	One-week workshop on "Machine Learning & Data Analytics"	IIIT, Allahabad.	20-06-2018 to 26-06-2018

v. Workshops / Conference (Orgained)

vi. Conference Attended (those sponsored by AICTE / ISTE/IETE/TEQIP or any other sponsoring body)

Sl. No.	Name of the workshop / Conference	Organiser	Date
1	One week FDP on "Natural Language Processing" (AICTE/UGC/NBA)	MNIT, Jaipur	06-01-2020 to 10-01-2020
2	"Data Science and Classifications Practicing with Python and Matlab " (AICTE, ISTE)	JNNCE, Shivamogga.	16-07-2018 to 21-07-2018

9. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organized by	Date of completion / Award	Grade / Marks
1	Introduction to Machine Learning	NPTEL	Jan-Apr 2021	Elite 61 %
2	Deep Learning	NPTEL	Sep-Dec 2020	Elite 60 %

3	Joy of Computing using Python	NPTEL	Jan-Apr 2020	95 %
4	Python for Data Science	NPTEL	Aug_Sep 2019	Elite 66 %

10. Membership of Professional Bodies:

1. Life Membership in Indian Society for Technical Education (MISTE)
2. Life member in International Association of Engineers(IAENG)

11. Any other information you will like to share about your professional experience:

Worked in BHEL, Electronics Division, Bangaluru as a Project Engineer on Automation of Power Plants from Jan,2005 to Dec,2006

Worked in Wipro Technologies, Bangaluru.as a Software Engineer on HP-Diagnostics from Dec,2006 to Aug,2009.