



JSS Mahavidyapeetha

**JSS Academy of Technical Education**

Dr. Vishnuvardhan Road, Srinivasapura post Bangalore 560060

www.jssateb.ac.in


Department of Information Science and Engineering



## FACULTY PROFILE

**Name of the Department: Information Science and Engineering**

### 1. Personal Details

<b>Name of the Teaching Staff</b>	Dr. Nagamani N Purohit	
<b>Designation</b>	Associate Professor	
<b>Department</b>	ISE	
<b>Date of Joining the Institution</b>	31-12-2001	

### 2. Experience

Total Experience in Years	Teaching: 24.3 Years	Industry: 3	Research: 15 Years
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### 3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
BE	Computer Science	1995	PDA College of Engineering	Gulbarga University
M.Tech	Computer Network and Engineering	2009	BMS College of Engineering	VTU
Ph.D.	Cloud Computing	2019	ISE Research Centre, BMS College of Engineering	VTU
Post Doc.				

### 4. Research & Publications

Papers Published in Web of Science indexed Journals	International: 4	National: 00
Papers Published in SCOPUS indexed Journals	International: 6	National: 00
Papers Published in other Journals	International: 05	National: 00

Papers Presented in Conferences / Symposium	International:6	National: 04
Books / Book chapters Published	Name of the book: Metaverse: A detailed review Publisher: Advances in Computers, Taylor and Francis Year of Publication:2025	
	Name of the book: Publisher: Year of Publication:	

### 5. Research Guidance

PhD Guide? Give field & University	Yes Cloud Computing, AI and ML	University: Visvesvaraya Technological University, Belagavi,
PhDs / Projects Guided	PhD Guiding: 3	Projects at PG Level; 2 Projects at UG Level: 50

### 6. Grants

#### i. Funds Received (Projects)

Project Name	Grant Amount	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
NIL				

#### ii. Patents

Sl. No.	Title Details	Details of award of patent / Filed
1.	A Method, System and Vehicle for Automated Tyre Pressure Verification and Regulation using Image	Filed
2.	A Method and System for Automated Aerial Harvesting of Agricultural Products using Drones	Filed

#### iii. Consultancy

Title of the work	Amount in Rs.	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
NIL				

### 7. Awards Received

	NIL
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### 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.	A novel and hybrid wireless sensor network packet transmission framework based on optimal cluster head selection using NBO and	R, J., Rashmi, S., S, Nagamani H Shahapure	International Journal of Information Technology	2025	Scopus	5.135	Springer

	JFOA						
2.	Deep Context-OcOA: A Context-Enriched Conformer-BiGRU Framework Optimized via Ocotillo Algorithm for Advanced Persistent Threat Detection	Aruna Bhaskari, Nagamani H Shahapure	<i>Int. J. Intell. Eng. Syst</i>	2025	Scopus	3.2	INASS
3.	3D mask based lung function monitoring system using machine learning for early identification of lung disorders	Ashok Bhansali, PM Rekha, Nagamani H Shahapure, GB Pallavi, K Punitha	International Journal of Imaging Systems and Technology	Vol 34, Issue 4, 2024	Scopus and WOS	2.5	John Wiley & Sons, Inc.
4.	Water moth search algorithm-based deep training for intrusion detection in IoT	Rekha P M, Nagamani H Shahapure, M Punitha	Journal of Web Engineering	Vol 20, Issue 6, 2021	Scopus	1.0	River Publications
5.	The DistilBERT Model: A Promising Approach to Improve Machine Reading Comprehension Models	VS V Sahana, Nagamani H Shahapure, Rekha PM, Nethravathi B, Pratiksha	International Journal on Recent and Innovation Trends in Computing and Communication	2020	Scopus	5.1	Auricle Global Society of Education and Research
6.	Threshold Compare and Load Balancing Algorithm for Resource Optimization in a Green Cloud	Nagamani H Shahapure, Rekha P M, Poornima N	<u>Revista Geintec-Gestao Inovacao E Tecnologias.</u>	2021	-	-	
7.	Virtual machine	Nagamani H	International Journal of	Vol 12, Issue 4,	Scopus		Springer, Singapore

	migration based load balancing for resource management and scalability in cloud environment	Shahapure and P Jayarekha	Information Technology,	2018			
8.	A Scalable Network Architecture using Replication in Virtual Environment	Nagamani H Shahapure and P Jayarekha	International Journal of Control Theory and Applications,	Vol 9, Issue 21, 2016	Scopus	1.57	Serials Publications
9.	Replication: A Technique for Scalability in Cloud Computing	Nagamani H Shahapure and P Jayarekha	International Journal of Computer Applications	Vol 122, Issue 5, 2015		0,835	Foundation of Computer Science
10.	Load Balancing in Cloud Computing: A Survey	Nagamani H Shahapure and P Jayarekha	International Journal of Advances in Engineering & Technology	Vol 6, Issue 6, 2014		2.5	IAET Publishing House

#### National 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	Load Balancing in Cloud Computing using Round Robin Algorithm	Nagamani N P, Anusha S K Bindu Madhuri	International Journal of Engineering Research & Technology	Vol:2, Issue 13 ISSN:2278-0181, ISO: 3297:2007, Impact Factor:1.76 Pp:124-127			ERSA
2	Resource Management: Cost Optimal Scheduling with Resource replication in Cloud Environment	Nagamani N P, Trilok Sinha Rohit Patidar Tinku Kumar	International Journal of Engineering Research & Technology	Vol:2, Issue 13 ISSN:2278-0181, ISO: 3297:2007, Impact Factor:1.76 Pp:128-132			ERSA
3	Perception Assessment of Indian Colleges Through Twitter Data	Nagamani N P, Vibhooti,	Journal of Computer Based Parallel Programming	Volume No. 5 Issue No.1 Year 2020 Page No. 19-23			MAT Journals

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 CNN-RNN models for accelerating antiviral drug discovery: A computational framework for virus-drug predictions	Nagamani H Shahapure, Ravi Babu Birudugadda, Ankur Singh Bist, Ch Srivardhan Kumar, Allimalli Durga Bhavani	Applications of AI in Smart Technologies and Manufacturing	2025	Scopus		CRC Press
2.	Intelligent Document Query Hub— A Holistic Solution for Efficient PDF Information Retrieval and Extraction	Nagamani H Shahapure, Naidila Sadashiv, Usha	2025 3rd International Conference on Data Science and Network Security (ICDSNS)	2025	Scopus		IEEE
3.	Distance and Traffic Based Virtual Machine Migration for Scalability in Cloud Computing	Nagamani H Shahapure and P Jayarekha	International Conference on Computational Intelligence and Data Science	Volume 132, Pages 728-737 (2018)	WOS		Elsevier
4.	Load Balancing with Optimal Scheduling Algorithm	Nagamani H Shahapure and P Jayarekha	International Conference on Computation of Power, Energy, Information and Communication (ICCPEIC)	Page(s):24-31, Month & Year :16-17 April 2	Scopus		IEEE
5.	Time sliced and priority based load balancer	Nagamani H Shahapure and P Jayarekha	Proceedings of International conference on advance computing and communication( IACC 2015) at BMSCE, Bangalore,	Page(s):154-159 Month & Year :12-13 June 2015	Scopus		IEEE
6.	Smart Advertising Platform using Raspberry Pi and Push Notification	Nagamani N P, Pavan V Akash G Punith B M	International Journal of Engineering Research & Technology	Volume No. : 4 Issue : 22 Month & Year : 11th, 2th May			International Research Publication House

				2016			
7.	Fine-Grained Text to Image Generation with Stacked Generative Adversarial Networks	Nagamani N P, Shubhanki, Shubhashree, Praharsh, Aakash	International Journal of Engineering Research and Technology (IJERT)	Vol:8, Issue: 15			NCAIT Proceedings
1.	Driver Drowsiness Detection	Nagamani N P, Navya Kiran, Anissor, Raksha, Varsha	International Journal of Engineering Research and Technology (IJERT)	Vol:8, Issue: 15, PP: 33-35			NCAIT Proceedings
2.							

#### Workshops /Conferences Attended

Sl. No	Workshop/FDP	Place
1.	Three Days Workshop on “Data Science and Statistics”	Organized by SJBIT, 24th , 25th and 26th 2019
2.	Two days National Symposium on "Data Science & Statistics-Trends and Challenges	Organized by JSSATE, , 4th & 5th July 2018 at JSSATE, Bengaluru
3.	5 days FDP on data science & communication network	Organized by BMSCE, Bangalore, from 2nd – 6th Jan 2018
4.	one week FDP on Computational Data Science	Organized by JSSATE ,Bengaluru from 16th-21st Jan 2017
5.	IBM Bluemix	Organized by VTU with IBM academic initiative on 6-12-2015 at VTU regional Office, Bangalore
6.	Workshop on Android application development	Organized by JSSATE, Department of ISE, on 3-11-2015 at Bangalore
7.	Plagiarism awareness for PhD thesis writing	Organized by VTU at SJBIT, Bangalore on 25th July 2015
8.	National seminar & tutorial on Software defined networking	Organized by CDAC on Jan 10 th,11th 2015 at Trivandrum
9.		
10.	Workshop on Quality enhancement of engineering education through NPTEL	Organized by JSSATE ,Dept. of computer science & Information Science engineering on 7 th August 2013.
11.	Advances in cloud computing -FDP	Organized by East Point College of Engineering by Dept. of ISE, Bangalore, 15 July-19 July 2013
12.	FDP on cloud computing	Conducted by TCS,on 7th March 2013 at BMSCE, Bangalore
13.	Cyber Forensics -FDP	JSSATEB, Bangalore, 25th ,26th ,27th AUG 2011

## Workshops / Conference (Orgained)

Sl. No.	Name of the workshop / Conference	Organised by	Date	Role
1.	Element Management System	Sandesh Komarla (alumni)	19/10/2019	Coordinator
2.	“Pursuing Passion”, Preparation for IAS.	Manjunath R, IAS (alumni)	1/8/2019	Coordinator
3.	“New Technologies ”, guidance for higher studies	Nikhil G Rao (alumni)	1/8/2019	Coordinator
4.	Technical talk JAVA	Mr.Syed, M/s Zysk technologies, Bangalore	25/9/2018	Coordinator
5.	Technical talk on “Importance of Data structures and its Applications ”	Ms.Maithri, Associate Developer, Cognizant Technology, Bangalore (alumni)	6/10/2018	Coordinator
6.	Technical Talk on File Structures and its Applications in Cloud	Ms. Anusha S K (alumni)	18/3/2017	Coordinator
7.	Cup-O-Code Technical Talk on Importance of Coding	Mr. Krishanu Dey Mr. Pavan V (alumni)	18/3/2017	Coordinator
8.	Two days’ workshop on Internet of Things	IIT Mumbai and I3Indya	26/9/2016 and 27/9/2016	Coordinator
9.	Technical Talk on Smart City and Electric Vehicle	Mr. Prashant Kulkarni	8/8/2016	Coordinator
10.	Two Day SDP on WebApp Development using Node.js	Mr. Pawan S and Mr. Pavan Kumar (alumni)	19/2/2016 and 20/2/2016	Coordinator
11.	Technical Talk on Tera Data and Hadoop	Mr. Sridhar Raju (alumni)	27/2/2016	Coordinator
12.	One day workshop on Android App Development	Mr. Pavan V (alumni)	3/9/2015	Coordinator
13.	State Level Symposium for 2 days	Dept. of ISE under Samyog	10/5/2013 and 11/5/2013	Coordinator

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

Sl. No.	Name of the workshop / Conference	Organiser	Date
1.	Workshop on Cloud computing & virtualization	Organized by RIT ,Dept. of computer science & Engg at sakharale,Maharashtra (TEQIP)	on 20-24 June -2014

## Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organised by	Date of completion / Award	Grade / Marks
	Cloud Computing and Distributed Systems	NPTEL	Jan – March 2020	79%

Membership of Professional Bodies:

**1. Life Membership in Indian Society for Technical Education ( MISTE)**

**2. Member, IAENG**

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

**Alumni Coordinator:** Have successfully conducted 3 alumni meets since 2016.

Invited Talk at: BMS College of Engineering. Conducted a workshop on Cloud and the simulators for PG students.

Additional Course

Sl. No.	Cognitive Classes	Name of the subject	Programme No of Hours	Qualified or not
1.	HP Foundation	Agile Project Management	1 week	Qualified
2.	IBM	Hadoop 101	1 week	Qualified
3.	IBM	BlockChain Essentials	1 week	Qualified

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