



JSS Mahavidyapeetha

JSS Academy of Technical Education

Dr. Vishnuvardhan Road, Srinivasapura post Bangalore 560060


www. Jssateb.ac.in



FACULTY PROFILE

Department: Information Science & Engineering

1. Personal Details

NAME	Dr. Nethravathi B	
DEPARTMENT	Information Science & Engineering	
DESIGNATION	Assistant Professor	
PHONE	+91 9448802849	
EMAIL ID	bnethravathi@jssateb.ac.in	
Date of Joining (JSSATEB)	10-10-2005	

2. Experience

Total Experience in Years	Teaching: 17 Years	Industry: Nil	Research: 8 Years
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3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.E.	Computer Science & Engineering	2003	Sri Siddhartha Institute of Technology, Tumkur, Karnataka INDIA	Visvesvaraya Technological University, Belagavi Karnataka
M.Tech.	Computer Network Engineering	2010	BMS College of Engineering, Bengaluru, Karnataka INDIA	Visvesvaraya Technological University, Belagavi Karnataka
Ph.D.	Faculty of Computer & Information Science	2019	VTU- Research Resource Center, Belagavi, Karnataka, INDIA	Visvesvaraya Technological University, Belagavi Karnataka
Post Doc.				

4. Research & Publications

Papers Published in Web of Science indexed Journals	International: 2	National: -
Papers Published in SCOPUS indexed Journals	International: 4	National: -
Papers Published in other Journals	International: 4	National: -
Papers Presented in Conferences / Symposium	International:6	National: 2

Books / Book chapters Published	Name of the book:-- Publisher:-- Year of Publication:--
	Name of the book:-- Publisher:-- Year of Publication:--

5. Research Guidance

PhD Guide? Give field & University	NO	University:-
PhDs / Projects Guided	--	Projects at Master's Level: -- Projects at Bachelor's Level: 15

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 New Engineered Node Indexing System for the Design of a Logical Communication Network Structure Name of the inventors: Nethravathi B, Kamalesh V N	The Patent Office Journal No. 20/2019 Dated 17/05/2019 Application No.201941009363 A Publication Date : 17/05/2019

iii. Consultancy

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

7. Awards Received

Best Paper Award	Received Best Paper Award : Nethravathi. B, Kamalesh V N, “On The Node Indexing in The Topological Design of Computer Network Structures” in 2nd International Conference on Innovative Trends in Engineering, Applied Science and Management (ICITEASM-2018) at Osmania University, Hyderabad, Telangana, India on 20th May 2018., Conference Proceeding; ISBN: 978-93-87433-24-3, page no. 354-358.
Best Paper Award	Received Best Paper Award : “ Study of Techniques used in Sentiment Analysis of Social Media Data” in 8 th National Conference on Recent Advances in Technology and Engineering (RATE-2019), TJIT, Bangalore, India on 27th April 2019.
Best Researcher	Received Prestigious IRDP Award 2018 – “Best Researcher”

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	Study on Structuring Natural Language To Query Language	Nethravathi B, Amitha G, Anusha Saruka, Bharath T P, Setu Suyagya	Engineering, Technology & Applied Science Research	Vol. No. 10 Issue No. 6 Pages: 6521-652 December 2020	WOS		Engineering, Technology & Applied Science Research
2	Computation of Maximal Connectivity for Fault Tolerance: Graph Theoretical Model and Algorithm	Nethravathi B Kamalesh V N	International Journal of Grid and Distributed Computing	2020 / April/ 13/ 1/ 412-417	WOS	0.14	Science & Engineering Research Support soCiety, Australia
3	Advanced Face Recognition Based Door Unlock System using Arduino	Nethravathi B Sinchana S S, Anil B C	International Journal of Recent Technology and Engineering	2019/ SEPT/ 8/ 3/ 7844-7848	Scopus	1	Blue Eyes Intelligence Engineering & Sciences Publication
4	Fault Isolation Technique for Decentralized Survivable Communication Network Systems via Regions and Paths	Nethravathi B Kamalesh V N	Indonesian Journal of Electrical Engineering and Computer Science	2020/ JAN/ 17/ 1/ 534-542	Scopus	0.97	Institute of Advanced Engineering and Science
5	Cycle checking algorithm for verifying the connectivity of a fault tolerant network structure	Nethravathi B Kamalesh V N	International Journal of Engineering and Technology(UAE)	2018/SEPTEMBER/ 7/4/2729-2732	Scopus	0.63	Science Publishing Corporation Publisher of International Academic
6	Topological Design of Computer Communication Network Structures: A Comprehensive Review	Dr. Kamalesh V N, V. G. Manjunatha Guru	Indian Journal of Science and Technology	Vol. No. 9 Issue No. 7 Year: 2016	Scopus	0.14	The Indian Society of Education and Environment
7	Comparative Study of Different Types of CAPTCHA	S. Likitha, Nethravathi B	CiiT International Journal of Networking and Communication engineering,	2020/FEB/12/2/30-36	NA	1.79	Coimbatore Institute of Information Technology
8	Study on Implementation of Smart City Using IOT	S. Arpitha, A. Kavya, S. Keerthana, G. Likitha, S. Likitha, P. Maltesh, Nethravathi B	CiiT International Journal of Networking and Communication engineering,	2020/FEB/12/2/24-29	NA	1.79	Coimbatore Institute of Information Technology
9	Smart Agriculture System – A Study	Hemalatha K, Madhu manju, Navyashree N, Bhavana prabhu, Inchara V, Punitha M, Nethravathi B	International Journal of Engineering Applied Sciences and Technology,	2020/Jun/5/2/439-444	NA	4.98	IJEAST
10	Fog -Based Smart	Nischitha S,	International	2020/Jun/5/2/168-	NA	4.98	IJEAST

	Transportation safety In lot	Nethravathi B	Journal of Engineering Applied Sciences and Technology,	175			
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ii. 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
NIL							

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	Bisection Logic based Symmetric Algorithm for the Design of Fault Tolerance Survivable Wireless Communication Networks.	Nethravathi B, Kamalesh V N	Intelligent Communication and Computational Technologies. Lecture Notes in Networks and Systems,. Springer, Singapore.	vol 19, 2017 DOI http://doi.org/10.1007/978-981-10-5523-2_19 , Print ISBN 978-981-10-5522-5, Online ISBN 978-981-10-5523-2. PP 203-211.	WOS and Scopus	NA	Springer
2	Analysis of Techniques for Isolation of Faults in Survivable Computer Networks	Nethravathi B, Nidhi H Kulakarni, Kamalesh V N	IEEE Xplore	DOI: 10.1109/ICEECCOT.2016.7955235, Page no. 307-311.	WOS and Scopus	NA	IEEE Xplore
3	On The Node Indexing In The Topological Design of Computer Network Structures	Nethravathi B, Kamalesh V N	International Journal of Innovations & Advancement in Computer Science	ISSN: 2347-8616, Volume 7, Issue 5, May 2018, Page no: 356-360. Received Best Paper Award	UGC	2.65	Academic Science
4	Cooperative Communication Protocols in WLAN – A Comprehensive Review	Nethravathi B, Kamalesh V.N, H P Srinivasa	International Journal of Engineering Technology Science and Research (IJETSR)	ISSN 2394 – 3386, Volume 4, Issue 10, October 2017, Page no: 868-873	UGC	2.21	IJETSR
5	Study of Techniques used in Sentiment Analysis of	Nethravathi B, Apsara M B, Amitha G, Bhuvana P,	Journal of Information Technology and Sciences	Volume 5, Issue 3, 2019, Page no: 21-28 Received Best Paper Award	-	NA	MAT Journals

	Social Media Data	Akshatha M P					
6	Anti-Collision for Mobile RFID - A Review	Ankit Ojha, Ayush Pandey, Anisoor Rahman, Bhavika Sharma, Dr. Nethravathi B, Dr. Dayananda P	International Journal of Engineering Research & Technology (IJERT)	Volume 18, Issue 15, October 2020, Page no: 186-190	-	7.78	IJERT
7	IoT Based Medicine Dispenser	Aditya Patil, Darshan B.G., Dr. D.V. Ashoka, Nethravathi B	International Journal of Engineering Research & Technology (IJERT)	Volume 18, Issue 15, October 2020, Page no: 152-155	-	7.78	IJERT

iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organiser	Date
1	Training Program on Robotics & Programming Logic	VTU RO, Mysore	21 st - 23 rd Sept 2014
2	FDP on Cloud Service & IoT	Cognizant	11 th Dec 2015
3	FDP on Information Security & Research Challenges	NITK Surathkal	25 th – 29 th Jan 2015
4	Symposium on Linear Algebra and its Application in Computer vision	JSSATE, Bangalore	13-16 th July 2016
5	International Conference on Computer Technologies and Optimization Techniques	GSSS, Mysore	9 th -10 th Dec 2016
6	FDP on Computational Data Science	JSSATE, Bangalore	Jan 16 th -21 th Jan 2017
7	International Conference on Innovative Trends in Engineering, Applied Science & Mgmt	Osmania University, Hyderabad, Telangana	20/5/18
8	FDP on 5G Wireless Communications	ANITS, Vizag, under NITW	5/1/18 To 10/1/18
9	National Conference on Recent Advances in Technology & Engineering	T.John Institute of Technology, Bangalore	27/4/19
10	FDP on 5G Wireless Communication	National Institute of Technology, Warangal, Telangana	29/5/19 To 3/6/19
11	FDP on “Challenges and Opportunities in AI and ML,	Bheemanna Khandre Institute of Technology, Bhalki	20/07/2020 to 24/07/2020
12	FDP on Machine Learning	BMS Institute of Technology and Management, Bangalore	27/07/2020 to 31/07/2020

v. Workshops / Conference (Organised)

Sl. No.	Name of the workshop / Conference	Organised by	Date	Role
1	2nd NATIONAL CONFERENCE ON ADVANCEMENTS IN INFORMATION TECHNOLOGY NCAIT-2016	ISE Department	2nd and 3rd May 2016	Program Coordinator
2	Leading with Mindset, Diversity and Decision making process	ISE Department Resource Person: Rajesh H Mehta, Senior Facilitator, IBM India. Poornima Iyengar Senior Software Engineer, IBM India.	28th February 2020	Coordinator
3	Two day FDP on, “Microsoft Azure and Cognitive services”	Dept of ISE with Centre of Interdisciplinary Research, JSSATEB	28 th , 29 th Sept 2018	Coordinator
4	Technical talk on “Agile, Design Thinking and Test practices”	ISE Department Resource Person: Nagendran Nyamgondalu, Technologist, Co-founder & Principal advisor, M/s Skill Velocity, Bangalore	27 th Feb 2019	Coordinator
5	Technical Talk: “Information & Network Security, Modeling & Supply chain Mgmt”	ISE Department Resource Person: Dileep Kumar, Mukesh Kumar, M/s Fire Eye, Bangalore	3 rd May 2018	

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

Sl. No.	Name of the workshop / Conference	Organiser	Date
NIL			

9. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organised by	Date of completion / Award	Grade / Marks
1	Introduction to IoT and Embedded Systems	CourseEra	4/6/2020	99%
2	COVID 19 What you Need to know	CourseEra	4/6/2020	100%
3	Introduction to internet of things	NPTEL	20/04/2020	57%

10. Membership of Professional Bodies:

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

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

- **GATE 2006** :1725 All India Rank

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