



JSS Mahavidyapeetha

JSS Academy of Technical Education

Dr. Vishnuvardhan Road, Srinivasapura post Bangalore 560060


www. Jssateb.ac.in



FACULTY PROFILE

Department: Computer Science and Engineering

1. Personal Details

NAME	Dr. Nagasundara K B	
DEPARTMENT	Computer Science and Engineering	
DESIGNATION	Associate Professor	
PHONE	+91 9448245547, +91 8660823863	
EMAIL ID	nagasundarakb@jssateb.ac.in	
Date of Joining (JSSATEB)	11-08-2015	

2. Experience

Total Experience in Years	Teaching: 22 Years	Industry: Nil	Research: 12 Years
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3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.E. / M.Sc.,	Mathematics	2000	DOS in Mathematics, University of Mysore, Mysuru	University of Mysore, Mysuru, Karnataka
M.E. / M.Tech. / M.Sc.	Computer Science and Technology	2002	DOS in Computer Science, University of Mysore, Mysuru	University of Mysore, Mysuru, Karnataka
Ph.D.	Computer Science	2013	DOS in Computer Science, University of Mysore, Mysuru	University of Mysore, Mysuru, Karnataka
Post Doc.				

4. Research & Publications

Papers Published in Web of Science indexed Journals	International: 01	National: 00
Papers Published in SCOPUS indexed Journals	International: 01	National: 00
Papers Published in other Journals	International: 05	National: 00
Papers Presented in Conferences / Symposium	International: 08	National: 01

Books / Book chapters Published	Name of the book: Intelligent Engineering Informatics :Advances in Intelligent Systems and Computing Publisher: 01 Year of Publication: 2018
	Prepared course material for Diploma in Information Technology (DIT) and Post graduate Diploma in Information Technology (PGDIT), Karnataka State Open University (KSOU), Mysore, Karnataka, India Year of Publication: 2014

5. Research Guidance

PhD Guide? Give field & University	Yes, Pattern Recognition, Machine Learning Digital Image Processing, Biometrics	University: Visvesvaraya Technological University, Belagavi, Karnataka
PhDs / Projects Guided	Ph.D.: Guiding: 04 (Four)	Projects at Master's Level: 12 Projects at Bachelor's Level:

6. 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	Segmentation of Brain Tumor Tissues in HGG and LGG MR Images Using 3D U-net Convolutional Neural Network	Poornachandra Sandur, C. Naveena, V.N.Manjunath Aradhya, Nagasundara K. B.	International Journal of Natural Computing Research	Volume 7, Issue 2, 2018.			IGI Global
2	A Loci Features Based Method to Convert Images of Differential Calculus Expressions to Their Text Equivalent	H. N. Sharada, Basavaraj S. Anami, K. B. Nagasundara	International Journal of System and Software Engineering	Volume 5 Issue 2, 2017		0.64	IGI Global
3	2D2 LPI: Two Directional Two Dimensional Locality Preserving Indexing	S Manjunath, D. S Guru K B Nagasundara, M G Suraj	International Journal of Computer Vision and Image Processing	Volume 3, Issue 2, 2013			IGI Global
4	Multi-algorithm based Palmprint Indexing	K B Nagasundara, D S Guru	International Journal of Computer Applications	Volume 2, Issue 2, 2012			Foundation of Computer Science
5	Indexing of Online Signatures	Nagasundara K.B., Manjunath S., Guru D.S.	International Journal of Machine Intelligence	Volume 3, Issue 4, 2011		4.45	Bioinfo

6	An Approach for Hand Vein Representation and Indexing	D S Guru, K B Nagasundara, S Manjunath, R Dinesh,	International Journal of Digital Crime and Forensics	Volume 3, Issue 2, 2011	Both		IGI Global
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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

iii. Conferences

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Conference	Page number Year	WOS / Scopus
1	Feature selection and Indexing of Online Signatures	Nagasundara K B, Guru D S, Manjunath S	12th IEEE Conference on Hybrid Intelligent Systems	pp. 408 - 414 2012	WOS and Scopus
2	Multimodal Biometric System Based on Hand geometry, Palmprint and Signature	K B Nagasundara S Manjunath D S Guru	5th ACM COMPUTE Conference: Intelligent & scalable system technologies	pp. 1 – 6 2012	WOS and Scopus
3	Indexing of Offline Signatures	D S Guru K B Nagasundara S Manjunath	5th Indian International Conference on Artificial Intelligence	pp. 47 – 57 2011	Scopus
4	Multi-algorithmic approach for Palmprint Identification	K. B. Nagasundara, S. Manjunath, D. S. Guru	International workshop on Emerging Applications on Computer Vision	pp. 21 – 28 2011	
5	Kd-tree based Palmprint Indexing		2nd International Conference on Computational Vision and Robotics	pp. 51 – 55 2011	
6	Feature Level Fusion of Multi- instance Finger Knuckle Print for Person Identification	D S Guru K B Nagasundara S Manjunath	1st International Conference on Intelligent Interactive Technologies and Multimedia	pp. 183 – 186 2010	Scopus
7	An Eigen Value Based Approach for Hand Vein Representation and Retrieval	D S Guru, K B Nagasundara, S Manjunath H S Nagendraswamy	2nd International Conference on Signal and Image Processing	pp. 562 – 565 2009	
8	Co-occurrence matrix based approach for recognition of Indian currency	D.S. Guru, R. Dinesh, K.B. Nagasundara	2nd National Conference on Document Analysis and Recognition	pp. 103 – 109 2003	

iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organizer	Date	Role
1	8 th Refresher Course in Mathematical Science	UGC-Human Resource Development Centre in Collaboration with Department of Studies in Computer Science, University of Mysore, Mysure	24 th Dec 2019 to 6 th Jan 2020	As a Resource Person delivered an expert talk
2	FDP on Machine Learning: Techniques and Tools	JSSATE, Bengaluru	17 th to 21 st December 2018	As a Co- Convenor and delivered an expert talk
3	FDP on "Machine Learning and Applications	Sri Venkateshwara College of Engineering, Bangalore	23rd to 28th July 2018	As a Resource Person delivered an expert talk
4	Special Lecture Series	Maharaja Institute of Technology, Mysore	26 th April 2018	As a Resource Person delivered an expert talk
5	VGST Sponsored six days FDP on Knowledge Discovery and Data Analytics	Adichunchanagiri Institute of Technology, Chikkamagaluru	16 th – 21 st January 2018	As a Resource Person delivered an expert talk
6	International Conference on Signal, Image Processing, Communication and Automation	JSSATE, Bengaluru	6 th - 7 th July, 2017	As a reviewer and Session chair
7	TWO Days' Workshop on "Research Trends in Image Processing and Machine Learning based on Mathematical Modeling	SDM College of Engineering & Technology, Dharwad	17 th - 18 th February 2017	As a Resource Person delivered an expert talk
8	International Conference on Cognition and Recognition	Maharaja Institute of Technology Mysore	30 th to 31 st December 2016	As a reviewer and Session chair
9	National Conference on Advances in Computer Science and Engineering	SDM College of Engineering and Technology, Dharwad	24 th October 2016	As a reviewer
10	Symposium on "Linear Algebra and its applications in Computer Vision	JSSATE, Bengaluru	13 th to 16 th July, 2016	As a programme committee member and delivered an expert talk
11	Two days Faculty Development Programme on MATLAB and Exploration of Image Processing and Pattern Recognition Toolbox	Vidyavardhaka College of Engineering, Mysuru,	15 th to 16 th April 2016	As a Resource Person delivered an expert talk
12	Second International Conference on recent trends in Signal Processing and Image Processing and VLSI	Don Bosco Institute of Technology, Bangalore,	15 th to 16 th May 2015	As a Session chair

13	Three Day National Level Workshop on Pattern Classifiers	Kuvempu University, Shankaraghatta, Shimoga,	26 th to 28 th March 2015	As a Resource Person delivered an expert talk
14	International Conference on Contemporary Computing and Informatics (IC ³ I, 2014)	SJCE, Mysore	27 th to 29 th November, 2014	As a Session chair
15	Special Lecture Series	Maharaja Institute of Technology, Mysore	3 rd May2014	As a Resource Person delivered an expert talk
16	Refresher Course conducted	Karnataka University, Dharwad	1st March, 2014	As a Resource Person delivered an expert talk
17	ICACCI – 2013	SJCE, Mysore,	23rd August,2013.	As a Sessionchair
18	Invited Talk	Canara Engineering College, Mangalore	21st August2013.	Delivered an expert talk
19	FDP on Soft and Evolutionary Computing Techniques and its Applications	Basaveshwar Engineering College, Bagalkot	1st June2013	As a Resource Person delivered an expert talk
20	Invited Talk	St. Joseph First Grade College, Mysore		Delivered an invited talk
21	First International Conference on Multimedia processing, Communication and Computing Applications	PES Institute of Technology Bangalore	13th to 15th December 2012	As a reviewer and Session chair
22	Refresher Course	University of Calicut, Kerala	29th July,2010	As a Resource Person delivered an expert talk
23	Second International Conference on Signal and Image Processing(ICSIP)	Vidya Vikas Institute of Engineering & TechnologyMysore		As a reviewer

v. Workshops / Conference (Organised)

Sl. No.	Name of the workshop / Conference	Organised by	Date	Role
1	Third International Conference on Cognitive Computing and Information Processing	JSSATE Bangalore	14 th -16 th December 2017	Tutorial Chair
2	FDP on Machine Learning: Techniques and Tools	JSSATE, Bengaluru	17 th – 21 st December 2018	As a Co - Convenor and delivered an expert talk

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

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

7. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organised by	Date of completion / Award	Grade / Marks
1	Data Mining	NPTEL	16th June 2020	90 %
2	Introduction to Machine Learning	NPTEL	16th June 2020	91 %

8. Membership of Professional Bodies:

1. Member of Computer Society of India (CSI)
2. Member of Indian Science Congress

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

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