



JSS Mahavidyapeetha

JSS Academy of Technical Education

Dr. Vishnuvardhan Road, Srinivasapura post Bangalore 560060


www.jssateb.ac.in



FACULTY PROFILE

Department: Engineering Mathematics

1. Personal Details

NAME	Dr. GIRISH N	
DEPARTMENT	Mathematics	
DESIGNATION	Assistant Professor, NSS Programme Officer, President – NDLI Club of JSSATEB, AICTE Activity Point Coordinator, Red Cross Coordinator	
PHONE	+91 9900772521	
EMAIL ID	girishn@jssateb.ac.in nss@jssateb.ac.in	
Date of Joining (JSSATEB)	20-08-2010	

2. Experience

Total Experience in Years	Teaching: 19 Years	Industry: Nil	Research: 15 Years
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3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.Sc.	Physics Mathematics Computer Science	2003	Govt Science College, Tumakuru 572103, Karnataka INDIA	Bangalore University, Karnataka
M.Sc.	Mathematics	2005	PG Center, Tumakuru 572102, Karnataka, INDIA	Bangalore University, Karnataka
M.Phil.	Mathematics	2008	Distance Education, Tumakuru 572102, Karnataka, INDIA	Alagappa University, Karaikudi, Tamilnadu
Ph.D.	Fluid Mechanics	2018	East Point College of Engineering and Technology, Bangaluru 560043, Karnataka, INDIA	Visvesvaraya Technological University, Belagavi, Karnataka
Post Doc.	--	--	--	--

4. Research & Publications

Papers Published in Web of Science indexed Journals	International: 03	National: Nil
Papers Published in SCOPUS indexed Journals	International: 04	National: Nil
Papers Published in other Journals	International: 01	National: Nil
Papers Presented in Conferences / Symposium	International: 03	National: 01
Books / Book chapters Published	Name of the book: Chapter 7, Flow and Transport in Subsurface Environment, Springer Transactions in Civil and Environmental Engineering. Publisher: Springer Nature Singapore Pte Ltd. Year of Publication: 2018	

5. Research Guidance

PhD Guide? Give field & University	Yes Fluid Dynamics	Visvesvaraya Technological University, Belagavi
PhDs / Projects Guided	Ph.D. Awarded: Nil Guiding: Nil	Projects at Master's Level: Nil Projects at Bachelor's Level: Nil

6. Grants

- i. Funds Received (Projects) : Nil
- ii. Patents: Nil
- iii. Consultancy: Nil

7. Awards Received

Best Teacher Award	Received "Best Teacher Award 2013 from IEM Department, JSS Academy of Technical Education, Bengaluru.
Certificate of appreciation for NSS Unit	Organizing NSS camp at Kagallipura Government P U College, Kanakapura Road, Bengaluru on 1 st and 2 nd July 2024.
	Providing scribe for Mr. Harsh, College of Fine Arts, Bengaluru who met with an accident during June 2024.
	Organizing NSS Camps at Agara Village, Kengeri, 16 th to 22 nd May 2022, 13 th to 19 th October 2023 and 28 th February to 5 th March 2024 from Agara Grama Panchayath and GHPS, Agara village.
	Organizing Blood Donation Camp on 15th December 2023 by Indian Red Cross Society.
	Organizing Fit India Swachhata Run 4.0 on 31st October 2023 by Ministry of Youth affairs and Sports, Government of India.
	Organizing Swachh Bharath Abhiyan on 1st October 2023 by Ministry of Housing and Urban Affairs, Government of India.
	Celebrating International Day of Democracy on 15th September 2023 by the Social Welfare Department, Government of Karnataka.
	Organizing National Sports Day 2023 on 29th August 2023 by the Ministry of Youth Affairs and Sports, Government of India.
	Ground Water Recharge Pit Installation 18 th , 19 th and 26 th April 2023 by Campus 2 Community, Yuvaka Sanga, Bengaluru.
	Green Campus Teaching Project 24th December 2022 to 21st January 2023 by State NSS Cell, Govt of Karnataka.
Organizing Blood Donation Camp on 12th December 2023 by Victoria Hospital, Bengaluru.	

Participating in Drug Awareness Walkathon on 26 th June 2022 by Karnataka State Excise Department, Bengaluru.
Organizing School Bell – 75 on 27 th April 2022 at Seegehalli, Bengaluru from Yuvaka Sangha, Jayanagar, Bengaluru.
Supporting Breath India Mission during June to August 2021 by Abhaya Foundation

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	Analysis of fully developed mixed convection in open-ended annuli with viscous dissipation	N. Girish, M. Sankar and Keerthi Reddy	Journal of Thermal Analysis and Calorimetry	Volume No: 143 Year: 2021	Both	4.626	Springer Nature Switzerland AG
2	Developing buoyant convection in vertical porous annuli with unheated entry and exit	Girish N, M Sankar and O D Makinde	Heat Transfer - Asian Research	Volume No: 49 Issue No: 5 Year: 2020	Both	0.82	Wiley Publications
3	Numerical Investigation of Developing Natural Convection in Vertical Double Passage Porous Annuli	Girish N, Oluwole Daniel Makinde and M Sankar	Defect and Diffusion Forum	Volume No: 387 Year: 2018	Scopus	0.16	Trans Tech Publications, Switzerland

ii. National Journals: 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	Buoyant Convection of Nanofluid in an Annular Domain with Linear Heating	S Kiran, M Sankar, N Girish, HA Kumara Swamy	Trends in Mathematics	Year: 2024 https://doi.org/10.1007/978-3-031-41420-6_30	Scopus	0.13	Springer Nature, Switzerland
2	Fully developed mixed convection in vertical double passage porous annuli	Girish N and M Sankar	Journal of Physics: Conference Series	Volume No: 1597 Year: 2020	Scopus	0.23	IOP Publishing
3	Numerical Investigation of Developing Laminar Convection in Vertical Double Passage Annuli	Girish N, M Sankar and Younghae Do	Trends in Mathematics	https://doi.org/10.1007/9783-030-01123-9_40 Year: 2019	Scopus	0.13	Springer Nature, Switzerland

iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organiser	Date
1	One Day workshop for college coordinators on AICTE Activity Points	Visvesvaraya Technological University, Belagavi	23-11-24
2	Two Days Faculty Leadership Development Program	Department of MBA, JSSATE, Bengaluru	09-01-25 to 10-01-25
3	Webinar: The Strategy of Journal Selection and Submission	University of Technology and Applied Science, lbri.	24-12-24
4	Webinar: Foundations of analytics: Exploring the power of open-source tools for Data Insights	University of Technology and Applied Science, lbri.	05-11-24
5	Webinar: AI Tools for Scientific Writing & Publishing	University of Technology and Applied Science, lbri.	29-10-24
6	Webinar: Arts of writing scientific papers	University of Technology and Applied Science, lbri.	22-10-24
7	Three Days FDP on Capacity Building for Faculty of Mathematics	Department of Mathematics, JSSATEB	29-07-24 to 31-07-24
8	Two Days FDP on Sustainable Development Goals	Department of MBA, JSSATE, Bengaluru	28-06-24 to 29-06-24
9	One day Water Positive Workshop	Yuvaka Sangha, Jayangar, Bengaluru	13-05-2024
10	International Conference on modelling, Simulation and optimization of Energy Systems	Canadian University, Dubai, UAE	17-06-23 to 18-06-23
11	Training of Trainers (TOT) on Climate and Environmental Education	Centre for Environment Education in collaboration with the Government of Karnataka with the support of UNICEF	13-12-2022 to 15-12-2022
12	International Conference on Recent Developments in Mathematics (ICRDM 2022)	Canadian University, Dubai, UAE	24-08-2022 to 26-08-2022
13	Managing Online Classes & Co- creating MOOCS 11.0	Ministry Of Education, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching	07-02-2022 to 21-02-2022
14	Refresher course on Advanced Pedagogy	Ministry Of Education, National Institute of Technical Teacher's Training and Research, Kolkata	24-01-2022 to 04-02-2022
15	Scientific writing for journals	VTU consortium. (Online mode)	30-09-2020
16	Organic forming and healthy food habits	Cambridge Institute of Technology, Bengaluru	11-07-2020
17	Application of Probability and Statistics in speech recognition	AMC Engineering College, Bengaluru	11-07-2020
18	Quality Research and its output - Paradigm shift in Teaching Pedagogy	Jain University, Bengaluru.	19-06-2020
19	Emerging Trends in Applied Sciences	Reva University, Begaluru.	03-06-2020
20	How to Conduct Online Class to Students	Atal Incubation Centre-PEC Foundation, Pillichavady, Puducherry	30-03-2020
21	NSS - Training Programme	NSS Empanelled Training Institution, Mysore University, Mysuru.	15-02-2020 to 21-02-2020
22	Life Skills Training Workshop	NIMHANS, Bengaluru	19-01-2020 to 25-01-2020
23	International Conference on New Trends in Mathematical Modelling with Applications	Sri Vidya Mandir Arts and Science College, Uthangarai, Tamilnadu, India.	29-07-2019 to 30-07-2019
24	Recent Trends In Engineering And Material Sciences	Jaipur National University, Jaipur.	17-03-2016 to 19-03-2016
25	Plagiarism	VTU regional centre, Bangalore.	16-10-2015 to 17-10-2015
26	Application of Wavelets for Signal and Image Processing in Research	EC department JSSATEB, Bangalore.	08-04-2013 to 09-04-2013,
27	Recent Advances in Applied Chemistry & NanoTechnology	Basic science department JSSATEB	26-03-2012 to 30-03-2012
28	Research Methodologies and Latex	SJBIT Bangalore	05-08-2011 to 06-08-2011

29	Biostatistics and bio modelling	New Horizon college of Engineering	28-03-2008
30	Discrete Structures and Computer Applications	PES Institute of Technology	18-01-2007 to 19-01-2007
31	Applied Mathematics in Engineering Technologies	B.N.M I T Bangalore	16-12-2006

v. Workshops / Conference (Organised)

Sl. No.	Name of the workshop / Conference	Organised by	Date	Role
1	Vigilance Week	NSS Unit of JSSATE, Bengaluru	28 th October to 3 rd November 2024	Organiser
2	National Space Day	NSS Unit of JSSATE, Bengaluru	10 th to 23 rd August 2024	Organiser
3	Rain Water Theme Park Visit	NSS Unit of JSSATE, Bengaluru	10 th July to 3 rd August 2024	Organiser
4	NSS Special Camp	NSS Unit of JSSATE, Bengaluru	28th February to 5th March 2024	Organiser
5	Yuva Samvad	NSS Unit of JSSATE, Bengaluru	26 th February 2024	Organiser
6	National Road Safety Week	NSS Unit of JSSATE, Bengaluru	11 th to 17th January 2024	Organiser
7	National Mathematics Week	Department of Mathematics	18th to 24th December 2023	Organiser
8	Communal Harmony Campaign Week	NSS Unit of JSSATE, Bengaluru	19th to 25th November 2023	Organiser
9	NSS Special Camp	NSS Unit of JSSATE, Bengaluru	13th to 19th October 2023	Organiser
10	Anti Ragging Week	NSS Unit of JSSATE, Bengaluru	12 th to 18 th August 2023	Organiser
11	Communal Harmony Campaign Week	NSS Unit of JSSATE, Bengaluru	19th to 25th November 2022	Organiser
12	NSS Special Camp	NSS Unit of JSSATE, Bengaluru	16th to 22nd May 2022	Organiser
13	Good Governance Week	NSS Unit of JSSATE, Bengaluru	19th to 25th December 2021	Organiser
14	Communal Harmony Campaign Week	NSS Unit of JSSATE, Bengaluru	19th to 25th November 2021	Organiser
15	VOICE101 Webinar series'	NSS unit, Yodha forum and Durga Organisation, Bengaluru	01-07-2020 to 03-07-2020	Organiser

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

Sl. No.	Name of the workshop / Conference / FDP	Organiser	Date
1	Managing Online Classes & Co – Creating MOOCS 11.0	Ministry of Education, Government of India	07-02-2022 to 21-02-2022
2	Refresher Course On Advanced Pedagogy (ICTSPL08)	National Institute of Technical Teachers Training and Research, Kolkata	24/01/2022 to 04/02/2022
3	Role of Mathematics in Academic Research and Technology	ISTE, Vemana Institute of Technology, Bengaluru	13-07-2020 to 17-07-2020
4	New Model Curriculum for first year BE/B.TechCBCS detailed syllabus (2018-19)	MHRD Government of India, BIT Bengaluru.	07-05-2018,
5	Two-week main workshop on Fluid Mechanics	MHRD Government of India IIT Kharagpur, held at Reva Institute of Technology and Management, Bengaluru.	20-05-2014 to 30-05-2014

6	Advances in Applied Mathematics	UGC, MES College of Arts, Commerce and Science, Bangalore.	18-01-2014
7	National Science Day	DST, Govt. of Karnataka JSSATEB	28-02-2011

9. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organized by	Date of completion / Award	Grade / Marks
1	Effective Engineering Teaching in Practice	NPTEL IIT Madras	25th December 2020	79 % Elite, Silver medal
2	Fundamentals of Convective Heat Transfer	NPTEL IIT Guwahati	25th December 2020	60 % Elite
3	Everyday Excel, Part 1	COURSERA, University of Colorado Boulder	6 th September 2020	94.96 % Completed
4	Work Smarter, Not Harder: Time Management for Personal & Professional Productivity	COURSERA, University of California, Irvine	02 nd August 2020	100% Completed
5	Numerical methods finite difference approach	NPTEL, IIT Roorkee	22 nd June 2020	64%
6	Mathematical Methods for Boundary Value Problems	NPTEL IIT Kharagpur	15 th October 2019	76 % Elite and silver medal
7	MATLAB Programming for Numerical Computation	NPTEL IIT Madras	16 th April 2019	88 % Elite and silver medal
8	Matrix Solver	NPTEL IIT Kharagpur	16 th November 2019	86% Elite and Topper

10. Membership of Professional Bodies: Nil

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

- i. I am an **NSS Programme Officer** of JSS Academy of Technical Education, Bengaluru from 30th January 2020.
- ii. I have been working as a **Red Cross Coordinator** at JSS Academy of Technical Education, Bengaluru form 2020.
- iii. I have been working as a **President of the NDLI Club of JSSATEB** from 2022.
- iv. I have been working as **AICTE Activity Point Coordinator of JSSATE**, Bengaluru since October 2024.
- v. I have delivered an invited talk about the “**National Service Scheme**”, “**AICTE Activity Points**” and “**Anti Ragging Campaign**” during **Induction Program** for the 1st-semester students from 2022 to 2024.
- vi. I delivered a talk on “**Plagiarism what it is and how to avoid it**” on 16th November 2015 at JSS Academy of Technical Education, Bengaluru.
- vii. I chaired a technical session (online) at the International Conference on Modelling, Simulation, and Optimization of Energy Systems held at Canadian University, Dubai, UAE from 16th to 17th of June 2023.

Dr. Girish N
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