



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	
PHONE	+91 9900772521	
EMAIL ID	<a href="mailto:girishn@jssateb.ac.in">girishn@jssateb.ac.in</a>	
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, Bengaluru 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: 03	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.
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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	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
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**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 <a href="https://doi.org/10.1007/978-3-031-41420-6_30">https://doi.org/10.1007/978-3-031-41420-6_30</a>	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	<a href="https://doi.org/10.1007/9783-030-01123-9_40">https://doi.org/10.1007/9783-030-01123-9_40</a> Year: 2019	Scopus	0.13	Springer Nature, Switzerland

**iv. Workshops /Conferences Attended**

Sl. No.	Name of the workshop / Conference	Organiser	Date
1	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
2	International Conference on Recent Developments in Mathematics (ICRDM 2022)	Canadian University, Dubai, UAE	24-08-2022 to 26-08-2022
3	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
4	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
5	Scientific writing for journals	VTU consortium. (Online mode)	30-09-2020
6	Organic farming and healthy food habits	Cambridge Institute of Technology, Bengaluru	11-07-2020
7	Application of Probability and Statistics in speech recognition	AMC Engineering College, Bengaluru	11-07-2020
8	Quality Research and its output - Paradigm shift in Teaching Pedagogy	Jain University, Bengaluru.	19-06-2020
9	Emerging Trends in Applied Sciences	Reva University, Begaluru.	03-06-2020
10	How to Conduct Online Class to Students	Atal Incubation Centre-PEC Foundation, Pillichavady, Puducherry	30-03-2020
11	NSS - Training Programme	NSS Empanelled Training Institution, Mysore University, Mysuru.	15-02-2020 to 21-02-2020

12	Life Skills Training Workshop	NIMHANS, Bengaluru	19-01-2020 to 25-01-2020
13	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
14	Recent Trends In Engineering And Material Sciences	Jaipur National University, Jaipur.	17-03-2016 to 19-03-2016
15	Plagiarism	VTU regional centre, Bangalore.	16-10-2015 to 17-10-2015
16	Application of Wavelets for Signal and Image Processing in Research	EC department JSSATEB, Bangalore.	08-04-2013 to 09-04-2013,
17	Recent Advances in Applied Chemistry & NanoTechnology	Basic science department JSSATEB	26-03-2012 to 30-03-2012
18	Research Methodologies and Latex	SJBIT Bangalore	05-08-2011 to 06-08-2011
19	Biostatistics and bio modelling	New Horizon college of Engineering	28-03-2008
20	Discrete Structures and Computer Applications	PES Institute of Technology	18-01-2007 to 19-01-2007
21	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	NSS Special Camp	NSS Unit of JSSATE, Bengaluru	28th February to 5th March 2024	Organiser
2	Yuva Samvad	NSS Unit of JSSATE, Bengaluru	26 <sup>th</sup> February 2024	Organiser
3	National Road Safety Week	NSS Unit of JSSATE, Bengaluru	11 <sup>th</sup> to 17th January 2024	Organiser
4	National Mathematics Week	Department of Mathematics	18th to 24th December 2023	Organiser
5	Communal Harmony Campaign Week	NSS Unit of JSSATE, Bengaluru	19th to 25th November 2023	Organiser
6	NSS Special Camp	NSS Unit of JSSATE, Bengaluru	13th to 19th October 2023	Organiser
7	Anti Ragging Week	NSS Unit of JSSATE, Bengaluru	12 <sup>th</sup> to 18 <sup>th</sup> August 2023	Organiser
8	Communal Harmony Campaign Week	NSS Unit of JSSATE, Bengaluru	19th to 25th November 2022	Organiser
9	NSS Special Camp	NSS Unit of JSSATE, Bengaluru	16th to 22nd May 2022	Organiser
10	Good Governance Week	NSS Unit of JSSATE, Bengaluru	19th to 25th December 2021	Organiser
11	Communal Harmony Campaign Week	NSS Unit of JSSATE, Bengaluru	19th to 25th November 2021	Organiser
12	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	Organised 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 <sup>th</sup> September 2020	94.96 % Completed
4	Work Smarter, Not Harder: Time Management for Personal & Professional Productivity	COURSERA, University of California, Irvine	02 <sup>nd</sup> August 2020	100% Completed
5	Numerical methods finite difference approach	NPTEL, IIT Roorkee	22 <sup>nd</sup> June 2020	64%
6	Mathematical Methods for Boundary Value Problems	NPTEL IIT Kharagpur	15 <sup>th</sup> October 2019	76 % Elite and silver medal
7	MATLAB Programming for Numerical Computation	NPTEL IIT Madras	16 <sup>th</sup> April 2019	88 % Elite and silver medal
8	Matrix Solver	NPTEL IIT Kharagpur	16 <sup>th</sup> November 2019	86% Elite and Topper

#### 10. Membership of Professional Bodies: Nil

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

- i. I am working as **NSS Programme Officer** of JSS Academy of Technical Education, Bengaluru from 30<sup>th</sup> January 2020.
- ii. I am also working as **Faculty Coordinator** for student club 'Yodha' (The Warrior within) from 3<sup>rd</sup> October 2019.
- iii. I have delivered a talk on "**Plagiarism what it is and how to avoid it**" on 16<sup>th</sup> November 2015 at JSS Academy of Technical Education, Bengaluru.

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