

**Name: Dr. J.SRINIVAS**

**Designation: Sr.Asst. Prof.**

**Department: H&S**

**Mail.I.D: [srinivas\\_j@vnrvjiet.in](mailto:srinivas_j@vnrvjiet.in)**

**Experience (in years): Teaching: 25, Research: 15 others (If any, Specify):**



### 1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1.	Ph.D	2016	Fluid Dynamics
2.	M.phil	2005	Applied mathematics
3.	M.Sc.	1993	Applied Mathematics
4.	B.Sc.	1991	M.P.E

### 2. Teaching and Learning:

#### 2.1 Teaching Interests:

- Laplace Transforms, Fourier Transforms
- Z-Transforms, Trigonometry
- Diff. Equations, Partial Differential equation
- Matrices, Complex Analysis
- Probability, Numerical Methods
- Linear Algebra, Advance Calculus
- Essential Mathematics for machine learning
- Vector spaces
- Optimization Technique

#### 2.2 Novel Teaching & Learning Techniques adopted:

POGIL, WIT&WIL, Learning by doing, Chock and talk,

#### 2.3 Involvement in curriculum updating / Design: member of BOS Mathematics

### 3. Co-curricular and Extra-Curricular Activities

#### 3.1. Interests and Hobbies:

- Reading News Papers
- Playing Cricket and Caroms.

#### 3.2 CCA/ECA Organized: Sinti 2K13 , 2K14

#### 3.3 CCA/ECA Involved:

- Was Coordinator of music club.

#### 3.4 Counseling and Mentoring Activity: NA

#### 3.5. Committees involved in:

- Department level: BOS
- : Department Library in-charge
- : Preparing Digital content for two Mathematics courses
- Institute Level: music club Coordinator
- : NAAC member for examination
- :NAAC member for ECA
- : Member of Online Teaching core committee

#### **4. Conference / Workshop / Seminar / Guest Lectures:**

4.1 Conducted: one

4.2 Attended:

- Attended workshop on “Computational Methods with Splines”, during March 20-21, 2008 in NIT, Warangal.
- Attended workshop on “Recent Trends in Mathematical Sciences”, during March 30-31, 2010 in Osmania University, Hyderabad
- Attended a guest lecture on Material science organized by EEE department at VNRVJIET in 2011.
- Attended a two day workshop on ‘The Pedagogy of Technical Writing’ on 6&7<sup>th</sup> Sep, 2012, VNRVJIET, Hyderabad.
- Attended a lecture on Excellence in engineering education by DrP.Raghavendra Rao on September 28<sup>th</sup> 2012.
- Attended Engineer’s day lecture about “Our Inputs for Greener Environment” on by Dr. C.Jyotsna on September 15<sup>th</sup> 2012.
- Attended a three day workshop on ‘Art of Teaching’ in May, 2013, VNRVJIET, Hyderabad
- Attended a one day workshop on “INTRO TO POGIL” organized by Dr.Sandhya.kode and Dr.C.Jyotsna on February 16<sup>th</sup> 2013.
- Attended all the POGIL follow up sessions organized by Dr.Sandhya.kode and Dr.C.Jyotsna conducted on March 1<sup>st</sup> and 13<sup>th</sup>, April 13<sup>th</sup> 2013.
- Attended a one day seminar on “A Binds View of Nano Science and Technology in Indian Research” by Dr.V.Brahmaji Rao on July 25<sup>th</sup> 2013.
- Attended a lecture on Teaching methodologies and classroom Management by Prof. Rao Unnava at VNRVJIET on 19<sup>th</sup> March 2013.
- Attended a EMS lecture on Intellectual property Rights by DrA.S.Rao at VNRVJIET
- Attended a seminar on ‘Introduction to Rough sets’ by K.Srinivas on 27/7/2013 at VNRVJIET.
- Attended a seminar on “Understanding the Higgs Boson “by Prof. Sridhar Rao on 14/07/14 at VNR VJIET.
- Attended a one day workshop on “Matrix Analysis Through Octave organized by IIT Hyderabad Teaching Learning Centre”, 12<sup>th</sup> May , 2016 VNRVJIET, Hyderabad.
- Attended a one day workshop on “ Arduino For Everyone organized by IIT Hyderabad Teaching Learning Centre”, 1<sup>st</sup> July , 2016 VNRVJIET, Hyderabad.
- Attended a seminar on” An over view of Mathematica for education on 23/01/2015 at VNRVJIET.
- Attended a three day workshop on ”FINITE ELEMENT METHOD IN MECHANICAL ENGINEERING” 25<sup>th</sup> – 27<sup>th</sup> Feb, 2016.
- Attended a two day workshop on “ Basic tools in Matlab and R-Language at VNRVJIET, from 17<sup>th</sup> – 18<sup>th</sup> March, 2016.
- Attended a one week workshop on “ Advanced Numerical Modeling Techniques for Mechanical Engineering” at VNRVJIET, 27-31 March 2017, Hyderabad
- One day Workshop on R’held at VNR Vignana Jyothi Institute of Engineering & Technology, Ranga Reddy, Hyderabad on 09 November 2019
- Webinar attended

- Research (Why? What? How?) VBIT Hyderabad 14 June
- Modeling and simulation of fluid flow using PDE CMR Engg College Hyderabad 25 June
- Introduction to Maple2020-Binary semantics- 29/6/2020
- FDP attended
  - Mathematica software- Santhiram Engineering College/ WOLFRAM Mathematica – Bangalore 28/5/2020 to 02/06/2020
  - Dealing with DE and PDE-Binary semantics- 8/6/2020
  - Moodle learning management system- JNTUH Sultanpur/Spoken-tutorial IIT Bombay 10/6/2020 to 15/6/2020
  - Python 3.3- Vaagdevi College of Engineering in January 2020
  - Essential mathematics for machine learning, VNRVJIET in July 2020

## 5 Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: NIL

5.2. Articles/Chapters published in Books: NIL

5.3. Books published as single author or as editor: NIL

5.4. Projects Guided:

a) UG: NA

b) PG: NA

5.5. Research Interests: Fluid Dynamics

5.6. Ph.D students:

a) Enrolled: NIL

b) Submitted: NIL

c) Awarded: NIL

5.7. Papers published in reviewed Journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	steady motion of a thermo-viscous fluid between two parallel porous plates in relative motion	International e-Journal of Engineering Mathematics: Theory and Application Volume (9), September, 2010, pp.58-65	ISSN 1687-6156	4.091	International
2	slow steady motion of a second order thermo-viscous fluid between two parallel plates when there is no temperature gradient	International Journal of Mathematical Archive- 3(3), 2012, Page: 1032-1038.	ISSN: 2229-5046	0.421	International
3	Slow Steady Motion of a Second Order Thermo-Viscous	<i>Int. J. Pure Appl. Sci. Technol.</i> , 16(1) (2013), pp. 80-88	ISSN: 2229-6107	-	International

	Fluid between Two Parallel Plates When Non Liner Terms in the Energy Equation are Neglected				
4.	Slow Steady Motion of a Thermo-Viscous Fluid Between two Parallel Plates with Constant Pressure and Temperature Gradients.	<b>International Journal of Research In Engineering and Technology</b> , Vol.2(11), 2013, pp.294-299	e ISSN: 2319-1163 p ISSN: 2321-7308.	-	International
5.	Linearization of Thermo-Viscous Fluid in a Porous Slab Bounded Between two Fixed Permeable Horizontal Parallel Plates in the Absence of Thermo-Mechanical Interaction Coefficient.	International Journal of Modern Trends in Engineering and Research, Vol.1(5), 2014, pp. 413-434.	e ISSN:23 49-9745, p ISSN: 2393-8161.	1.711	International
6	Unsteady forced oscillations of a fluid bounded by rigid bottom	International Journal of Control Theory and Applications, Vol.9(19), 2016, pp.9049-9054	0974-5572	0.53	International
7	Steady Flow Around a Moving Circular Pipe in a Thermo-viscous Fluid in the Absence of Pressure Gradient	<b>International Journal of Advanced Science and Technology</b> , Vol. 99 , 2017, pp.81-90.	ISSN: 2005-4238		International

5.8. Papers presented at National / International Journals:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	steady motion of a thermo-viscous fluid between two parallel porous plates in relative motion	Recent trends in mathematical sciences	national	30-31 Dec 2010
2.	A numerical approximation of coupled non-linear equations of steady flow of thermo-viscous fluids	International conference on Mathematics for Materials science, signals, images and structured data	international	23-24 Jul 2020
3	Unsteady slow Motion of Fluid between two parallel plates neglecting viscous dissipation	International Conference on Advances in Science, Engineering and Mathematics	international	07-08 Aug 2020

5.9. Sponsored research Projects: NIL

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

5.10 Consultancy Projects: NIL

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

**6. Awards / Honors received:** NIL

**7. Motto:** If an egg is broken from outside force....life ends but if it is broken from inside force life begins. Great things always begin from within.