



Name: Dr. G. JITHENDER REDDY

Designation: Assistant Professor/Mathematics

Department: Humanities & Sciences

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Experience (9): Teaching: 9 , Research: 5, Others (If any, Specify): Nil

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of Passing	Specialization
1	Ph.D	2018	Fluid Dynamics
2	M.Sc	2007	Mathematic with Computers Science
3	B. Sc	2005	M.St.CS

2. Teaching and Learning:

2.1. Teaching Interests: Linear Algebra, Numerical Analysis, Integral Transform, Diff.

Equations, Complex Analysis, Operations Research, Graph theory etc...

2.2. Novel Teaching & Learning Techniques adopted: Learning by Doing ,WIT-WIL and POGIL.

2.3.Involvement in curriculum updating / Design: Nil

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies: Playing Cricket, Chess and Caroms

3.2. CCA/ECA Organized: Nil

3.3. CCA/ECA participated: Nil

3.4. Counseling and Mentoring Activity: Nil

3.5. Committees involved in:

- Department level: In charge for departmental library from 2011-2012, NAAC committee member in departmental level for publications and workshops from 2017 to till date.
- Institute Level: Coordinator for examinations from 2012-2014, Anti ragging Committee member from 2010-2012.

4. Conference / Workshop / Seminar / Guest Lectures:

4.1.Conducted:

- Conducted a guest lecture on “*Approximation and Uncertainty Modelling for Engineers*” at VNRVJIETon 23rd December 2013 by Prof.C.Raghavendra Rao, Professor in the School of Computer and Information Sciences, University of Hyderabad.

- Conducted a workshop on ***“Human values and Professional Ethics”*** at VNRVJIET, by Prof. Pradeep Kumar Ramancharla, Department of Civil Engineering, IIT Hyderabad on 13th July 2017.
- Conducted one day event on ***“National Mathematics Day-commemorating Birth day anniversary of Sri Srinivasa Ramanujan”*** on 22nd December 2017 at VNRVJIET.

4.2.Attended:

- Attended a Workshop on ***“Engineering Mathematics-1”*** at VITS in 2009.
- Attended national conference on ***RAAME-2012*** at VNRVJIET from 20th to 22th December 2012.
- Attended a ***“3-Day Workshop Program Design with Map Code”*** at VNRVJIET from 27th to 29th May 2013.
- Attended a ***“3-Day Workshop on Art of Teaching”*** at VNRVJIET, May 2013.
- Attended a ***“3-Day Workshop on Engineering the Education Scenario towards Learner Centric Environment”*** at VNRVJIET, from 4th to 6th Aug 2014.
- Attended a seminar on ***“Over View of Mathematica”*** at VNRVJIET, 23rd Jan 2015.
- Attended a lecture on ***“Curriculum Design and Development”*** at VNRVJIET, 2nd April 2015.
- Attended a 3 day workshop on ***“Application of Finite Element Method to Mechanical Engineering”*** at VNRVJIET from 25th to 27th February 2016.
- Attended a 2 day workshop on ***“MATLAB and R- language”*** at VNRVJIET from 17th to 18th March 2016.
- Attended a one day workshop on ***“Matrix Analysis Through Octive”*** Organized by IIT, Hyderabad at VNRVJIET on 12th May 2016.
- Attended a one day workshop on ***“Arduino For Everyone”*** Organized by IIT, Hyderabad at VNRVJIET on 1st July 2016.
- Participated and successes fully completed an online NPTEL eight weeks course on ***MATLAB Programming for Numerical Computatations***, organized by IIT Madras from 20th January to 26th march 2017.
- Attended a one week workshop on ***“Advanced Numerical Modeling Techniques for Mechanical Engineering”*** at VNRVJIET from 27th to 31st March 2016.

- Attended a one week refresher course on “*Engineering Mathematics*” from 12th to 17th June 2017 at CMR Engineering College.
- Attended “*5-Day faculty orientation workshop for enabling student induction in Technical Institutions*”, organized by AICTE at JNTU Hyderabad from 27th June to 1st July 2017.
- Successes fully completed an AICTE approved faculty development programme on *Foundation Program in ICT for Education* conducted by IIT Bombay from August 3, 2017 to September 7, 2017.
- Successes fully completed an AICTE approved faculty development programme on *Pedagogy for online and Blended Teaching-Learning Process* conducted by IIT Bombay from August 3, 2017 to September 7, 2017.

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: Nil

b) PG: Nil

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 peer reviewed Journals:

S.No	Title of the Paper	Journal Name, Vol.No. PP	ISBN/ISS N No.	Impact Factor/ Citation Index	National/ International
1	Finite Analysis of Soret and Radiation Effects on Transient MHD Free Convection From an Impulsively Started Infinite Vertical Plate with Heat Absorption	International Journal of Mathematical Archive-5(4), 2014, 211-220.	2229-5046	Google Scholar	International
2	Chemical Reaction and Radiation Effects on MHD Free Convection From an Impulsively Started Infinite Vertical Plate with Viscous Dissipation	International Journal of of Advances in Applied. Mathematics and Mechanics (2015)	2347-2529	1.3 Google Scholar	International

		1- 19.			
3	Application of FEM to free convective flow of water near 4°C past a vertical moving plate embedded in porous medium in presence of magnetic field	Global Journal of Pure and Applied Mathematics(2015) 11(2) 130-134	0973-1768	Google Scholar	International
4	Finite element study of an unsteady MHD free convection Couette flow with viscous dissipation	Global Journal of Pure and Applied Mathematics (2015), Vol. 11, No. 2, pp. 65 – 69	0973-1768	Google Scholar	International
5	Analytical and numerical study of unsteady MHD free convection flow over an exponentially moving vertical plate with heat absorption	International Journal of Thermal Sciences(2016) Vol. 107, pp. 303 – 315	1290-0729	3.615 (Elsevier) SCI Scopus	International
6	Thermal diffusion and diffusion thermo effects on an unsteady heat and mass transfer magnetohydrodynamic natural convection Couette flow using FEM,	International Journal of Computational Design and Engineering, (2016), Vol. 3, No. 4, pp. 349 – 362	2288 – 4300	1.35 (Elsevier) Scopus ESCI	International
7	Thermal diffusion and diffusion thermo effects on unsteady MHD fluid flow past a moving vertical plate embedded in porous medium in the presence of Hall current and rotating system	Transactions of A Razmadze mathematical Institute Journal, (2016). Vol. 170, No. 2, pp. 243-265.	2346-8092	(Elsevier) ESCI	International
8	Unsteady MHD Couette Flow of Water at 4°C in a Rotating System in Presence of Heat Transfer with Ramped Temperature via Finite Element Method	International Journal of Applied Mechanics and Engineering, (2017) Vol.22, No.1, pp. 145-161. 2353-9003	2353-9003	Scopus ESCI	International
9	Influence Of Viscous Dissipation On Unsteady MHD Natural Convective Flow Of Casson Fluid Over An Oscillating Vertical Plate Via FEM	Ain Shams Engineering Journal, (In Press)	2090-4479	(Elsevier) Scopus ESCI	International
10	Influence of Angle of Inclination on Unsteady MHD Casson Fluid Flow Past a Vertical Surface	Journal of Nanofluids, (2017), Vol. 6, pp. 1-12.	2169-432X	Scopus ESCI	International

	Filled by Porous Medium in Presence of Constant Heat Flux, Chemical Reaction and Viscous Dissipation				
11	Thermal Diffusion and Diffusion Thermo impact on Chemical reacted MHD Free Convection from an Impulsively Started Infinite Vertical Plate embedded in a Porous Medium using FEM,	Journal of Porous Media, (2017), Vol. 20, No. 12, pp. 1097-1117	1091-028X	1.03 Scopus SCI	International
12	Finite Element Solutions Of Free Convective Casson Fluid Flow Past An Vertically Inclined Plate Submitted In Magnetic Field In Presence Of Heat And Mass Transfer, Communicating	International Journal for Computational Methods in Engineering Science and Mechanics (2017), Vol. 18, pp. 255-265.	1550-2287.	0.38 Scopus ESCI (Taylor & Francis)	International
13	MHD Casson viscous dissipative fluid flow past a vertically inclined plate in presence of heat and mass transfer: A finite element technique	Frontiers in Heat and Mass Transfer (FHMT) (2017), Vol. 8, No. 27, pp. 1-12.	2151-8629	Scopus	International
14	Heat And Mass Transfer Effects On MHD Natural Convective Flow Past A Vertical Porous Plate Through Analytical And Numerical Results	Journal of Heat and Mass Transfer Research, 4 (2017) 117-133,	2383-3068	Google Scholar	International
15	Finite element analysis of chemically reacted fluid flow over an exponentially accelerated vertical plate	Proceeding of International Conference on Computer Aided Engineering (CAE-2015)			International
16	Finite Element Analysis Of Hall Current And Rotation Effects On Free Convection Flow Past A Moving Vertical Porous Plate With Chemical Reaction And Heat Absorption	59-istam-fm-fp-29, Proceedings of 59th Congress of ISTAM (http://istam.iitkgp.ac.in) (2014)			International
17	Unsteady MHD Free Convection Flow of Casson Fluid over an Inclined Vertical Plate Embedded	2nd International Conference on Condensed Matter	ISBN: 978-0-7354-1648-2	Scopus	International

	in a Porous Media	and Applied Physics (ICC 2017), AIP Conf. Proc. 1953, 140038 (2018)			
18	Effect of Non-Linear Density Temperature Variation on Convective Heat and Mass Transfer Flow Through A Porous Medium In A Rectangular Duct With Radiation Chemical Reaction And Dissipation	2nd International Conference on Condensed Matter and Applied Physics (ICC 2017), AIP Conf. Proc. 1953, 140048 (2018)	ISBN: 978-0-7354-1648-2	Scopus	International
19	Viscous Dissipation Impact on MHD Free Convection Radiating Fluid Flow past a Vertical Porous Plate	2nd International Conference on Condensed Matter and Applied Physics (ICC 2017), Conf. Proc. 1953, 140074 (2018)	ISBN: 978-0-7354-1648-2	Scopus	International
20	MHD Free Convection Heat Transfer Couette Flow in Rotating System	2nd International Conference on Condensed Matter and Applied Physics (ICC 2017), AIP Conf. Proc. 1953, 140143 (2018)	ISBN: 978-0-7354-1648-2	Scopus	International

5.8. Papers presented at National / International Conferences:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Thermal Diffusion And Diffusion Thermo Effects On Radiative MHD Free Convection from an Impulsively Started Infinite Vertical Porous Plate with Chemical Reaction and Viscous Dissipation	II International Conference on Applications of Fluid Dynamics (ICAFD-2014)	International	21 st to 23 rd July 2014
2	Finite Element Analysis Of Hall Current And Rotation Effects On Free Convection Flow Past A Moving Vertical Porous Plate With Chemical Reaction And Heat Absorption	Indian Society of Theoretical and Applied Mechanics (ISTAM-2014)	International	17 th -20 th December 2014
3	Finite Element Study Of An Unsteady MHD Free Convection Couette Flow	International Conference on Computer Aided	International	10 th -12 th Dec, 2015

	With Viscous Dissipation	Engineering		
4	Application of FEM to free convective flow of water near 4°C past a vertical moving plate embedded in porous medium in presence of magnetic field	APSMS, VBIT, Ghatkesar, Hyderabad	National	11 th – 13 th Dec, 2015
5	Unsteady MHD Free Convection Couette flow in Rotating System: Finite Difference & Finite Element Method	National Conference on Recent Advances In Fluid Mechanics, Organized by Dept. of mathematics, Osmania University	National	30 th – 31 st May, 2016
6	Unsteady MHD Newtonian and non-Newtonian fluid flow over an Oscillating Vertical Plate	APSMS, NBRKIST, Vidyannagar, Nellore, AP, (2016)	National	9 th – 12 th Dec, 2016
7	Application of Spatial Discretization Method to Unsteady MHD Newtonian and non-Newtonian Fluid Flow over an Oscillating Inclined Vertical Plate	National Conference on Recent Advances Mathematical Techniques in Science & Engineering	National	30-31 st July, 2017
8	Unsteady MHD Free Convection Flow of Casson Fluid over an Inclined Vertical Plate Embedded in a Porous Media	2 nd International Conference on condensed & Applied Physics, Organized by Govt Engineering College, Bikaner, Rajasthan, India	International	Nov 24-25
9	MHD Free Convection Heat Transfer Couette Flow in Rotating System	2 nd International Conference on condensed & Applied Physics, Organized by Govt Engineering College, Bikaner, Rajasthan, India	International	Nov 24-25

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:

- Qualified Joint **CSIR-UGC NET (Mathematical Sciences)** for Lectureship in **Dec 2008**
- Awarded an **Elite certificate** for completing 8-week NPTEL online course “**MATLAB Programming for Numerical Computation**” from **IIT Madras**, Jan-Mar 2017.

7. Motto: Think Globally Act Locally