
Curriculum Vitae

Dr. S. Mallishwar Reddy M.Sc., Ph.D.

with 16 years Exp.

Email: smrnitw@gmail.com

Mobile: +91 9989511172

Area of Research: Numerical Analysis, Finite Element Methods



Career Objective

To work hard with full dedication for the achievement of organization objective and to use my educational background and skills to impart knowledge to learners by using modern and traditional approaches to develop the learner's skills along with carrying out my research.

Education

- ★ Ph.D. from National Institute of Technology Warangal, from December, 2012 to January, 2016 (Fulltime through GATE).
- ★ M.Sc. (Mathematics & Scientific computing) during 2005-2007 from National Institute of Technology, Warangal, with distinction (86.50 percentage).
- ★ B.Sc. (M.P.Cs) during 2002 - 2005 from Osmania Univeristy, Hyderabad with distinction (86.00 percentage).
- ★ CSIR-UGC NET Qualified (All India rank 39th).
- ★ AP/TS SET Qualified.
- ★ GATE Qualified (All India rank 332nd).

Teaching/Research Experience

- ★ Working as an Assistnat Professor of Mathematics in Avvaiyar Government College for Women, Karaikal, U.T. of Puducherry, India(**Selected through UPSC, New Delhi**) (17th December, 2018 - Till Date).

- ★ Worked as an Associate Professor of Mathematics in Sreenidhi Institute of Science & Technology, Ghatkesar, Hyderabad, Telangana State (1st November, 2016 - 16th December, 2018).
- ★ Worked as an Assistant Professor of Mathematics in Sreenidhi Institute of Science & Technology, Ghatkesar, Hyderabad, Telangana State (10th February, 2016 - 31st October, 2016).
- ★ Worked as a fulltime Research scholar in the Department of Mathematics NIT Warangal through GATE (20th December, 2012- 9th February , 2016).
- ★ Worked as an Assistant Professor of Mathematics for a period of 4 years and 7 months in Sreenidhi Institute of Science & Technology, Ghatkesar, Hyderabad, Telangana State (19th June, 2008 - 19th December, 2012).
- ★ Worked as a lecturer of Mathematics for a period of more than one year in T.I.M.E Institute, at Vijayawada and Hyderabad (15th April, 2007 - 18th June, 2008).
- ★ Worked as a lecturer of Mathematics for a period of more than one year in GATE ways to IES Institute, at Hyderabad (1st September, 2011 - 10th December, 2012).

Additional Responsibilities

- ★ Working as an Institute Nodal Officer for National Scholarship Portal, Avvaiyar Government College for Women, Karaikal, U.T. of Puducherry, India (1st June, 2019- Till Date).
- ★ Worked as an Assistant Controller of Examinations for approximately 2 years in Sreenidhi Institute of Science & Technology, Ghatkesar, Hyderabad, Telangana State (February, 2011 - December, 2012).

Papers Published/Accepted/Communicated

1. **S.M.Reddy**, “Collocation Method for Ninth Order Boundary Value Problems by Using Sextic B-splines”, *International Research Journal of Engineering and Technology*, Vol.3(9) (2016), pp.781-785.
2. **S.M.Reddy**, “Numerical solution of fourth order boundary value problems by Petrov-Galerkin method with quartic B-splines as basis functions and sextic B-splines as weight

- functions”, *International Journal Of Engineering And Computer Science*, Vol.5(9) (2016), pp.17989-17995.
3. **S.M.Reddy**, “Numerical Solution of Eighth Order Boundary Value Problems by Petrov-Galerkin Method with Quintic B-splines as basic functions and Septic B-Splines as weight functions”, *International Journal Of Engineering And Computer Science*, Vol.5(9) (2016), pp.17902-17908.
 4. K.N.S.Kasi viswanadham and **S.M.Reddy**, “Numerical solution of ninth order boundary value problems by Petrov-Galerkin method with quintic B-splines as basis functions and septic B-splines as weight functions”, *Procedia engineering, Vol.127 (2015), pp. 1227-1234 an Elsevier Journal, Scopus Indexed Journal*.
 5. K.N.S.Kasi viswanadham and **S.M.Reddy**, “Numerical solution of seventh order boundary value problems by Petrov-Galerkin method with quintic B-splines as basis functions and septic B-splines as weight functions”, *International Journal of Computer Applications (IJCA)*, Vol.122(5) (2015), pp.41-47.
 6. K.N.S.Kasi viswanadham and **S.M.Reddy**, “Numerical solution of sixth order boundary value problems by Petrov-Galerkin method with quartic B-splines as basis functions and sextic B-splines as weight functions”, *ARPN Journal of Engineering and Applied Sciences, Scopus Indexed Journal*, Vol.10(10) (2015), pp.4720-4727.
 7. K.N.S.Kasi viswanadham and **S.M.Reddy**, “Numerical solution of sixth order boundary value problems by Petrov-Galerkin method with quintic B-splines as basis functions and septic B-splines as weight functions”, *International Journal of Applied Mathematics and Statistical Sciences (IJAMSS)*, Vol.4(3) (2015), pp.15-28.
 8. K.N.S.Kasi viswanadham and **S.M.Reddy**, “Numerical solution of fifth order boundary value problems by Petrov-Galerkin method with cubic B-splines as basis functions and quintic B-splines as weight functions”, *International Journal of Computer Science and Electronics Engineering*, Vol.3 (2015), pp.87-91.
 9. K.N.S.Kasi viswanadham and **S.M.Reddy**, “Numerical solution of fifth order boundary value problems by Petrov-Galerkin method with quartic B-splines as basis functions and sextic B-splines as weight functions”, *International Journal of Engineering Science and Innovative Technology*, Vol.4(1) (2015), pp.161-170.

10. K.N.S.Kasi viswanadham and **S.M.Reddy**, “Numerical solution of fourth order boundary value problems by Petrov-Galerkin method with cubic B-splines as basis functions and quintic B-splines as weight functions”, ***International Journal of Computer Applications (IJCA)***, Vol.104(6) (2014), pp.37-43.

Conference Proceedings/Papers Presented

1. “Numerical solution of fourth order boundary value problems by Petrov-Galerkin method with quartic B-splines as basis functions and sextic B-splines as weight functions” in ***National conference on Recent Advances in Fluid Mechanics***, organized by the Department of Mathematics, Osmania University, India during 30 May - 31 May, 2016.
2. “Numerical solution of ninth order boundary value problems by Petrov-Galerkin method with quintic B-splines as basis functions and septic B-splines as weight functions” in ***International conference on Computational Heat and Mass Transfer***, organized by the Department of Mathematics, NIT Warangal, India during 30 November - 2 December, 2015.
3. “Numerical solution of fifth order boundary value problems by Petrov-Galerkin method with quartic B-splines as basis functions and sextic B-splines as weight functions” in ***58th Congress of ISTAM (An International Meet)***, organized by the Department of Applied Mathematics, Alliance University Bangalore during 17 - 20 December, 2014.

Conferences / Workshops / STTPs Attended/RC/OC

1. Selected and participated in the workshop *Implementation of NEP-2020 for University and College teachers* Organized by UGC-Delhi, during 09-09-2022 to 17-09-2022.
2. Selected and Participated in *REFRESHER COURSE in Applied Mathematics* organised by UGC-HRDC, Ranchi University, Ranchi, during 16-09-2021 to 29-09-2021.
3. Selected and Participated in *SHORT TERM COURSE in MATLAB Applications for Applied Science and Engineering problems* organised by UGC-HRDC, JNTU, Hyderabad, during 12-10-2020 to 19-10-2020.

4. Selected and Participated in 91st *ORIENTATION COURSE* organised by UGC-HRDC, Osmania Univeristy, Hyderabad, during 14-11-2019 to 02-12-2019.
5. Selected and Participated in 12th *SERB SCHOOL on MATRIX METHODS AND FRACTIONAL CALCULUS* organised by Centre for Mathematical and Statical Sciences, peechi campus, KFRI, Kerala, during 15-06-2015 to 10-07-2015 sponsored by DST, Government of India.
6. Participated in a short term program on *Advanced Numerical Methods in Fluid Dynamics* organized by Department of Mathematics, NIT Warangal, during 17-19 April, 2015.
7. Participated in a short term program on *Advanced Computational Methods in Engineering and Science* organized by Department of Mathematics, NIT Warangal, during 1-3 April, 2015.
8. Participated in an international workshop on *Advanced workshop on Mathematical Foundation of Advanced Finite Element Methods* held at Bits Pilani, K.K.Birla Goa campus(Goa) during 26th December, 2013- 3rd January, 2014.
9. A three day national workshop on Modern Statistical Technology & Information Security , organized by Department of Mathematics, NIT Warangal, during 19-21 December, 2013.
10. A one week workshop on *Mathematical Modelling in Engineering*, organized by the Department of Mathematics, NIT Warangal on 2nd-6th December, 2013.
11. A five day national workshop on *Computational Methods in Engineering and Science*, organized by the Department of Mathematics, NIT Warangal, during 21 -25 October, 2013.
12. A three day national workshop on *Advances in Computational Fluid Dynamics*, organized by the Department of Mechanical Engineering, NIT Warangal on 17th-19th October, 2013.
13. A five day workshop on *Scientific Computing with MATLAB*, organized by Mechanical Engineering Department, NIT Warangal during 22 - 26 September, 2013.

14. A one day national workshop on *Applications of Mathematics in Computers & Engineering Field*, organized by the Department of Mathematics, Vagdevi Engineering College, Bollikunta, Warangal, 23rd, July 2013.
15. A one week Faculty Development programme on *Engineering Mathematics-1*, organized by the Department of Mathematics, Sreenidhi Institute of Science & Technology, Ghatkesar, Hyderabad, during 30th July- 4th August, 2012.
16. A national workshop on *Research Methodology*, organized by JNTUH, Hyderabad, during 16 - 21, January, 2012.
17. A two-day national conference on *New Tresholds in Pure & Applied Mathematics*, organized by the Department of Mathematics, Sreenidhi Institute of Science & Technology, Ghatkesar, Hyderabad, during 13 -14 July, 2009.

Membership of Professional Bodies

1. Life member of *Indian Society of Theoretical and Applied Mechanics (ISTAM)*, IIT Kharagpur, W.B.,INDIA. with membership ID:L/825.

Achievements

- ⊗ Achieved A Grade in Refresher Course in Applied Mathematics organised by UGC-HRDC, Ranchi Univeristy, Rachi, during 16-09-2021 to 29-09-2021.
- ⊗ Achieved A Grade in Orientation Course organised by UGC-HRDC, Osmania Univeristy, Hyderabad, during 14-11-2019 to 02-12-2019.
- ⊗ Achieved 77 percentage in 12th SERB SCHOOL.
- ⊗ All India rank 39th in CSIR-UGC(NET) June 2014 Exam.
- ⊗ All India rank 332nd in GATE-2012 with Gate Score 362.
- ⊗ M.H.R.D. Fellowship for Pursuing PhD.
- ⊗ Qualified APSET-2012 for Assistant Professor/Lectureship.
- ⊗ Received three times best teacher award from Sreenidhi Institute of Science & Techonology, Ghatkesar, Hyderabad, Telengana state.

- ⊗ Ratified by JNTUH as an Assistant professor from Sreenidhi Institute of Science & Techonology, Ghatkesar, Hyderabad, Telengana state on 08/02/2009.
- ⊗ Received Merit Certificate in M.Sc(Mathematics and Scientific computing) course from NIT Warangal.
- ⊗ Secured rank 20th in Osmania PG entrance examination 2005.
- ⊗ All India rank 21st in NITWET-2005.
- ⊗ College Topper in My Intermediate and Graduate courses.

Competence in Computer Applications

- ⊛ MS Office.
- ⊛ FORTRAN, C, C++.
- ⊛ MATLAB, Mathematica & L^AT_EX

Personal Profile

Name	:	S Mallishwar Reddy
Father Name	:	S Krishna Reddy
Date of Birth	:	23 - 09 - 1984
Religion	:	Hindu
Languages known	:	English, <u>Telugu</u> , Hindi
Marital status	:	Married with one boy
Spouse Details	:	S Saritha
	:	DOB: 14-07-1987
Son Name	:	S Krutik Reddy
	:	DOB: 07-02-2013
Permanent Address	:	S. Mallishwar Reddy
		H. No. 3-118/3/2
		Vill: Bheem Reddy nagar, Boduppall
		Mandal: Medipally
		District: Medchal, Pin: 500 092
		Telangana State, India.

DECLARATION:

I hereby declare that the information given above is true and correct.

Date:16-02-2023

A handwritten signature in blue ink, consisting of a stylized 'L' shape with a loop and a horizontal stroke.

Signature