

# **CURRICULUM VITAE**

## **S. HARISINGH NAIK**

**Professor, Department of Mathematics**  
**Osmania University, Hyderabad-500007, (T. S)**  
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<b>Education</b>	M.Sc.(OU), M.Phil. (HCU), Ph.D. (OU)
<b>Father's Name</b>	Venya Naik
<b>Mother's Name</b>	Maniki Bai
<b>Date of Birth/Age</b>	18-02-1977/45 years old
<b>Residential address</b>	Flat No. 201, Sri Sai Nivasam, Karthikeya Nagar, Nacharam, Hyderabad-500076.
<b>Chief Warden</b>	Hostels and Messes, Osmania University (December, 2015-January, 2021)
<b>Additional Chief Warden</b>	Hostels and Messes, Osmania University (January, 2013-December, 2015)
<b>Vice-Principal</b>	University Post Graduate College, Osmania University, Nalgonda (2005-2006)
<b>Warden</b>	Post Graduate Boys Hostel, PG College Nalgonda (2004-2005)
<b>NSS Program Officer</b>	OU, PG College Nalgonda, wing from 2007-2008
<b>Areas of Interest</b>	Applied Mathematics (Computational Fluid Dynamics)
<b>Teaching Experience</b>	Assistant Professor, 2004-2017 (13 Years) Associate Professor, 2014-2021 (4 Yaers), a total of 17 years experience in Teaching.
<b>Contribution to the Corporate life</b>	Member of various Committees in Osmania University such as (Departmental Committee, Tender Committee of Outsourced Workers in Hostels and Messes, OU, Member Board of Studies for UG and PG, Member of Board Studies in Computer Science, Convener Hospitality Committee foe Centenary

	Celebrations, OU, Member of Transportation Committee Centenary Celebrations OU, Member Almanac Committee, Committee related to Contract Workers issues in OU
<b>Publications</b>	Published 17 Research Papers in reputed National/International Journals
<b>Presentations</b>	Presented research work in 10 National / International Conferences
<b>Participation</b>	Participated in 15 conferences/Symposia/ Workshops etc. including the above mentioned presentations
<b>Research Guidances</b>	Presently working 2 Ph.D. students under my Supervision
<b>Seminars/ Workshops Organized</b>	Organizing Secretary for One National and One International Conference and also Organized Two Workshops for UG Teachers on Real Analysis and Abstract Algebra
<b>Computer Knowledge</b>	MS Word, Excel Application, Origin, Maple, MS Word and Mathematica, Latex.
<b>Education.</b>	<p>M.Sc., Dept. of Mathematics, University College of Science, Osmania University, Hyderabad. 1999.</p> <p>M. Phil., Topic: “ Applications of Euler Theorem and Crossing Number of Graphs” University of Hyderabad, Hyderabad, 2002</p> <p>Ph. D., Topic: “Rayleigh-Benard and Thermohaline Convection with Variable Viscosity” Osmania University-2014</p>
<b>Research Publications:</b>	<ol style="list-style-type: none"> <li>1. Y. Rameshwar, S. Harisingh Naik, H. P. Rani and Ishak Hashim, 2010. “ Rotating Rayleigh- Benard Convection with Variable Diffusive Coefficients”. International Journal of Engineering Applications. 1(2), 113-126.</li> <li>2. S. Harisingh Naik, K. Rama Ray, M. V. Ramana Murthy, 2014. “ Thermal Radiation Effect on an Unsteady Hydromagnetic Free Convective Oscillatory Couette Flow of a Viscous Fluid Embedded in a Porous Medium”. International Journal of Emerging Trends and Technology in Computer Science. 3(4), 6-12.</li> </ol>

3. S. Harisingh Naik, M. V. Ramana Murthy, K. Rama Ray, 2014. "The effect of Hall current on an unsteady MHD free convective Couette flow between two permeable plates in the presence of thermal radiation". *International Journal of Computational Engineering Research*. 4(7), 40-55.
4. K. Rama Rao, M. V. Ramana Murthy, S. harisingh Naik, 2014. "Thermal Radiation Effect on an Unsteady Natural Convection Couette Flow with Heat and Mass Transfer". *International Journal of Computers and Technology*. 12(8), 3786-3802.
5. S. Jeelani, M. V. Ramana Murthy, S. Harisingh Naik, 2014. "Private Universities: Challenge and Opportunities in Higher Education" . *International Journal of Emerging Trends and Technology in Computer Science*. 3(5), 116-125.
6. S. A. Husain, M. V. Ramana Murthy, Rafiuddin, S. Harisingh Naik, 2014. "MHD Unsteady Radiating MemoryConvective Flow with Variable Suction." *International Journal of Science Engineering and Technology Research*. 3(11), 2998-3006.
7. S. Harisingh Naik, K. Rama Rao, M. V. Ramana Murthy, 2014. "The Effect of Hall Current in an Unsteady MHD Free Convective Flow of a Bingham Fluid with Thermal Radiation." *International Journal of Engineering and Advanced Technology*. 3(6), 1-16.
8. S. Harisingh Naik, 2014. " Rayleigh-Benard Convection with Temperature Dependent Variable Viscosity." *Peripex Indian Journal of Research*. 3(7), 247-355.
9. S. Harisingh Naik, 2016. Thermohaline Convection with Variable Viscosity." *Research Inventory. International Journal of Engineering and Science*. 6(7), 18-30.
10. S. Harisingh Naik, 2016. Thermohaline Convection with Variable Viscosity in a Porous Media." *International Journal of Emerging Research in Management and Technology*. 5(8), 1-13.
11. P. Suresh, M. V. Ramana Murthy, Chenna Krishna Reddy, D. Bhagya, 2017. "Double Diffusive Effects on MHD Free Convective Boundary Layer Casson fluid Flow Past a Vertically Inclined Porous Plate: Thermal Radiation and Chemical Reaction Effects." *Elixir International Journal of Applied Mathematics*. 109, 47908-47920.
12. P. Suresh, M. V. Ramana Murthy, S. Harisingh Naik, K. Sere ram Reddy, 2017. " Nature of Casson Fluid on Transient Free Convection Flow Past Towards an Impulsively Started VerticallyInclined Plate: Thermal Diffusive and Vertical Magnetic Field Effects." *International Journal of Computational Engineering Research*. 7(6), 42-55.
13. D. Gopal, S. Harisingh Naik, N. Kishan, C. S. K. Raju, 2020. " The Impact of Thermal Stratification and heat generation/absorption on MHD Carreau nano fluid flow over a permeable cylinder." *SN Applied Sciences*. 2(4), 1-10.
14. S. Harisingh Naik, B. Shankar Goud, K. Ramesh Babu, M. V. Ramana Murthy, 2020. " Suction/ Injection effects on free convective fluid flow over a moving vertical porous plate with variable time." *Journal of Critical Reviews*. 7(18), 1324-1328.
15. S. Harisingh Naik, B. Shankar Goud, P. Suresh, M. V. Ramana Murthy, 2020. " Radiation and Hall effect on MHD mixed convection Casson fluid over a stretching sheet." *International Journal of Advanced Science and Technology*. 29(7), 1121-1131.

16. S. Jagadha, S. Harisingh Naik, P. Durgaprasad, A. Naresh Kumar and Kishan Naikoti, 2021. International Journal of Ambient Energy. 1-9.
17. P. Suresh, Y. Hari Krishna, S. Harisingh Naik, P. V. Janardhan Reddy, 2021. “ Heat and Mass Transfer in MHD Casson Fluid Flow along Exponentially Permeable Stretching Sheet in Presence of Radiation and Chemical Reaction.” Annals of RCBS. 25(1), 7163-7175.

### **Presentations in Conferences**

1. S. Harisingh Naik, 2010. Onset of Convection in a Variable Viscosity fluid with Vertical Magnetic Field. ISTAM, NIT, Hamirpur, Himachal Pradesh, India.
2. S. Harisingh Naik, 2013. Onset of Convection in a Variable Viscosity Fluid with Vertical Magnetic Field for Palm Jensen Fluid. National Conference on Mathematical Applications in Engineering. Department of Mathematics, Vasavi College of Engineering.

### **Seminars , Conferences , Refresher Courses**

1. Orientation course, Academic Staff Collage, Osmania University, Hyderabad, 06-07-2005 to 03-08-2005.
2. Refresher Course, Academic Staff College, Osmania University, Hyderabad, 25-11-2009 to 17-12-2009.
3. Refresher Course, Academic Staff College, Osmania University, Hyderabad, 30-01-2017 to 18-02-2017.
4. National Seminar on Functional Analysis and it's Applications, Department of Mathematics, Osmania University, Hyderabad, 2007.
5. Indian Society of Theoretical and Applied Mechanics, an International Meet, 2008. University College of Engineering (A), Osmania University, Hyderabad.
6. National Workshop Mathematical Models for Bio-Fluid Flows and Applications, 2010. Department of Mathematics, Sri Venkateswara University, Thirupathi-AP.
7. National Workshop on the Role of .NET in Cloud Computing, 2012. Department of Mathematics, Osmania University.
8. National Workshop on Current Trends on Cloud Computing, 2013. Department of Mathematics, Osmania University, Hyderabad.
9. Departmental Conference cum Workshop Osmania University UG Mathematics Teachers, 2013. Department of Mathematics, Osmania University, Hyderabad.
10. One Week FDP Program on Mathematical Modeling and Simulation Techniques, 2014. Chaithanya Bharathi Institute of Technology Gandipet, Hyderabad.

11. Two-Day Workshop on Recent Trends in Fluid Mechanics and Numerical Techniques, 2014. Sri Vacaville Institute of Engineering and Technology, Department of Science and Humanities, Hyderabad.
12. Two Weeks Certificate Course cum Instructional Symposium on Implementation of Finite Element Methods and Relevance of Mathematics to Real World, 2014. Department of Mathematics, Osmania University, Hyderabad.
13. Delivered a Talk on Differential Equations and it's Applications, 2013. SAP College Vikarabad.
14. Delivered a Talk on Numerical Techniques, 2014. SAP College Vikarabad.
15. CONIAPS: 20th International Conference of International Academy of Physical Sciences Recent Advances in Physical Sciences and Future Challenges, 2017. Osmania University, Hyderabad.
16. One Week Workshop on Abstract Algebra, 2017. Organized by Department of Mathematics University College of Science, Osmania University, Hyderabad.
17. International Conference on Computational Fluid Flow and Heat Transfer, 2018. Department of Mathematics, Unfortunately College of Science, Osmania University, Hyderabad.
18. National Conference on Mathematical Sciences and Applications, 2018. Department of Mathematics University College of Science Osmania University, Hyderabad.
19. National Conference on Recent Advances and Applications in Mathematics, 2019. Department of Mathematics, University College of Science Osmania University, Hyderabad.

### **Contribution to Corporate life**

1. Member Departmental Committee from 2009 to 2011
2. Member Departmental Committee from 2013 to 2015
3. Member Departmental Committee from 2016 to 2018
4. Member of a Committee constituted for supplying of personnel on Outsourcing basis 14-12-2016
5. Member of a Committee to discuss Mess related issues of the Principal University College of Science OU 25-01-2018.
6. Member Departmental Committee from 2018-2020
7. Member of Tender Committee for Hostels and Messes 18-08-2018
8. Member of a Committee constituted to examine the problems prevailing in the Hostels and Messes and to suggest better infrastructure to the boarders, modernization of the Kitchen, staffing pattern and other aspects in Hostels and Messes in the University 30-11-2018
9. Subject expert for the recruitment of Staff at Sri Sai Degree and PG College Pargi 22-03-2019.

10. Subject expert for the recruitment of Staff Bharat Degree College for Women, Narayanaguda, Hyderabad 13-06-2019
11. Governing Body Member for Viswa Bharathi Degree College Gandipet, RR Dist. 10-07-2019
12. Member Board of Studies in Mathematics (PG) under the Faculty of Science Osmania University 26-02-2020
13. Subject expert for the recruitment of Staff at Wesley Degree College for Women Lancer Lane Secunderabad , Hyderabad 12-03-2020
14. Member Departmental Committee, Department of Mathematics from 2020- till date
15. Selection Committee Member at Maa Institute of Speech and Hearing, Jubilee Hills, Hyderabad 20-04-2021
16. Member of a Committee to look into issues related to hiring of Contract and Outsourcing workers and to suggest alternatives to run Hotels and Messes 02-06-2021

#### Seminars Organized

1. Organizing Secretary for the International Conference on “Computational Fluid Flow and Heat Transfer” during March 28-29, 2018.
2. Organizing Secretary for the National Conference on “Mathematical Science and it’s Applications” during July 30-31, 2018.

#### Administrative Experience

1. Chief Warden Hostels and Messes Osmania University from 21-12-2015 to 23-01-2021.
2. Additional Chief Warden Hostels and Messes Osmania University from 03-01-2013 to 23-01-2021.
3. Vice-Principal Post Graduate College Nalgonda, Osmania University from 2005 to 2006.
4. Warden Post Graduate Boys Hostel PG College Nalgonda, Osmania University from 2004 to 2005.
5. NSS Program Officer OU, PG College Nalgonda wing from 2007 to 2008.

1. UG : B.Sc. MPC Osmania University, Hyderabad, 1997.
2. PG : M. Sc. Mathematics, Osmania University, Hyderabad, 1999.
3. M. Phil. : Topic: "Applications of Euler's Theorem and Crossin Number of Graphs", University of Hyderabad, 2002.
4. Ph.D. : Topic: "Rayleigh-Benard and Thermohaline Convection with Variable Viscosities, Osmania University, 2014.

1. UG : B.Sc. MPC Osmania University, Hyderabad, 1997
2. PG. : M. Sc. Mathematics, Osmania University, Hyderabad, 1999.
3. M.Phil. : Topic: “Applications of Euler’s Theorem and Crossing Number of Graphs”, University of Hyderabad, Hyderabad.
4. Ph.D. : Topic: “Rayleigh-Bernard and Thermohaline Convection with Variable Viscosity” Osmania University, Hyderabad.
5. M. Phil. : Topic: “Applications of Euler’s Theorem and Crossing Number of Graphs” University of Hyderabad, Hyderabad.
6. Ph.D. : Topic: “Rayleigh-Bernard and Thermohaline Convection with Variable Viscosity ”

**Signature**

