

<div data-bbox="33 143 359 430" data-label="Image"> </div> <div data-bbox="448 215 807 253" data-label="Text"> <p>DORESWAMY H S</p> </div>	<div data-bbox="1011 215 1439 253" data-label="Text"> <p>PROFESSOR AND HEAD</p> </div> <div data-bbox="1104 353 1335 423" data-label="Text"> <p>DEPARTMENT OF MATHEMATICS</p> </div>
<div data-bbox="357 526 539 571" data-label="Section-Header"> <p>PROFILE</p> </div>	<div data-bbox="1027 535 1410 580" data-label="Section-Header"> <p>CONTACT & LINKS</p> </div>
<div data-bbox="62 683 839 1041" data-label="List-Group"> <ul style="list-style-type: none"> • Dedicated & Committed Faculty in Department of Mathematics, with 33 years of experience in teaching UG & PG Students. • Subjects Handled: Maths I, II, III and IV. Additional Maths I,II and Maths in construction Technology, Advanced Mathematics • Skills: Basics of R-Programming, python, MATLAB, C-Programming. </div>	<div data-bbox="885 645 1552 855" data-label="Text"> <p>Email ID: drdoreswamyhs.math@eastpoint.ac.in/hsdoredata@gmail.com</p> <p>Linkedin : linkedin.com/in/doreswamy-h-s-608a2044</p> </div>
<div data-bbox="108 1075 785 1120" data-label="Section-Header"> <p>EDUCATIONAL QUALIFICATIONS</p> </div>	<div data-bbox="925 1052 1516 1097" data-label="Section-Header"> <p>PROFESSIONAL EXPERIENCE</p> </div>
<div data-bbox="38 1160 568 1332" data-label="Text"> <p>B.Sc (PCM)- Mysore University M.Sc (Mathematics)- Mysore University M.Phil (Mathematics)- Alagappa University B.Ed (Mathematics)- Annamalai University Ph,D (Mathematics)- Bharathiar University</p> </div>	<div data-bbox="1038 1160 1401 1261" data-label="Text"> <p>Teaching Experience: 33years Research Experience: 06 years Total:33years</p> </div>
<div data-bbox="151 1456 743 1563" data-label="Section-Header"> <p>INSTITUTION/DEPARTMENT RESPONSIBILITIES</p> </div>	<div data-bbox="992 1379 1495 1608" data-label="Section-Header"> <p>RESEARCH AREA/SPECIALISATION/ RESEARCH GRANTS/ PROJECTS IF ANY</p> </div>
<div data-bbox="38 1659 641 1798" data-label="List-Group"> <ul style="list-style-type: none"> • Department coordinator • Part of Departmental NBA Accreditation Team • NPTEL Local Chapter SPOC • Test Coordinator </div>	<div data-bbox="885 1727 1552 1901" data-label="Text"> <p>Specialization: Fluid Dynamics, Functional Analysis, Theory of Numbers.</p> <p>Research Interest: Advection-Diffusion problems , water and Air pollution problems, Laplace Transform, Integral Transforms, Homotopy Perturbation Methods.</p> </div>
<div data-bbox="87 2009 1552 2116" data-label="Section-Header"> <p>ACHIEVEMENTS/ACCOMPLISHMENTS/AWARDS/RECOGNITION/GUEST LECTURES DELIVERED</p> </div>	

- **VTU (Maths)Board Member**
- Editorial Board Member of BOMSR Journal
- Editorial Board Member of IJLTEMAS Journal
- Editorial Board Member of IJETAE Journal
- Editorial Board Member of MANTECH publications
- **Reviewer of various international journals (ACADEMIA, Malaya journal of Matematik)**
- IAENG Member: Id:191756
- NPTEL Discipline stars in Jan-Dec 2020
- NPTEL Belivers Award in Jan-Dec 2020
- NPTEL Appreciation as a SPOC during Jan-Dec 2020
- Best paper (Gold Medal) presentation in ASSET-2021
- FIVE papers presented in National /International conferences
- SIXTY PLUS Webinars attended
- Participated the Guinness world record event most users to take online computer programming by GUVI

PUBLICATIONS/PATENTS/BOOKS

1. Finite Element Analysis of An Automobile Brake Drum by using ANSYS, ETME-09, paper presented at The Oxford College of Engineering, Bangalore, pp.66-71.
2. Two-Dimensional Model for an area source of steady emission with variable wind velocity and eddy-Diffusivity, Poster presented in Science and Technology: Its Role in the changing Global Scenario, 2nd AP Science Congress, November 14-16, 2009, S.V. University, Tirupati.
3. Major air pollutants and their Effects, Mapana National Journal of Sciences, vol9, No.2, July-December 2010, pp. 21-27.
4. A solution of the Differential Equation of Longitudinal Dispersion with variable Coefficients in finite Domain, International Journal of Applied Mathematics and Physics, vol2, No2, July-December 2010, pp. 193-204.
5. The Dispersion Theory Applied to the Mathematical Modeling of the Atmospheric Pollution, paper presented in National conference on Emerging trends in fluid Mechanics and Graph Theory, February11-12,2011,organized by Christ University, Bangalore.
6. Distribution of Solute Transport in Two-Dimensional Flow, International Journal of Mathematics and Applied Statistics, vol2, No2, July-December 2011, pp.81-94.
7. A solution of the Differential Equation of Dependent Dispersion along uniform and non- uniform flow with variable coefficients in a finite Domain, International Journal of Mathematical and Analysis, vol3, No2, July-December 2011, pp.89-105.
8. Three-Dimensional Solute Transport through Unsaturated porous media with Finite Variable Coefficients, International Journal of Research and Reviews in Applicable Mathematics and Computer Science, vol1, No6, December 2011, pp.9-23.
9. An Analytical Solution of one-dimensional Advection –Diffusion Equation in a porous Media in presence of Radioactive Decay,

ASSOCIATION WITH PROFESSIONAL BODIES

- Life-time Member of IAENG

<p>Global Journal of Pure and Applied Mathematics.vol8, No2, July-December 2012, pp.113-124.</p> <p>10. Solution of the linear and nonlinear Diffusion equation by Homotopy perturbation method, Bulletin of mathematics and statistics research.vol4,3, July-Sept 2016, pp 92-96.</p> <p>11. Solution of the Homogeneous and non homogeneous Diffusion heat equation by Variational Homotopy Perturbation Method, IJLTEMAS, Volume 7, Issue II, Feb 2018, pp 88-90.</p> <p>12. Solution of the Homogeneous and non homogeneous Diffusion heat equation by Laplace Transform of Homotopy Perturbation Method, IJLTEMAS, Vol.VII, Issue VI, June 2018, pp 157-159.</p> <p>13. Effects of Thermal Modulation and Rotation in a porous medium saturated by a dielectric fluid on the onset of Magneto electro convection, BOMSR, vol6, 2018.</p> <p>13. Combined effect of surface roughness and micropolar fluids on squeeze film characteristics between rough flat plate and curved annular plates, Malaya journal of Matematik, Vol 8, Issue 2, 2020, pp 570-575.</p> <p>14. Analysis of statitic and dynamic characteristics of secant slider bearing with MHD and couple stress fluid, Malaya journal of Matematik, Vol.8, Issue 2,2020, pp 581-587.</p> <p>15. Application of variational homotopy perturbation method for Schordinger equation, Vol. 8, Issue 2, 2021, pp 79-84.</p>	
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PROFESSIONAL COURSES COMPLETED