


INDIVIDUAL FACULTY PROFILE- TEMPLATE TO BE UPLOADED IN COLLEGE WEBSITE

	<p> Name Dr. SHRIVALLI. H Y Designation Professor Qualification Ph.D Email-id: (official) hys.maths@bmsce.ac.in Experience: 24 years Teaching experience: 24 years Date of Joining this Institution (BMSCE): 27/10/1995 </p> <p><u>Research Interests:</u></p> <p>NUMERICAL METHODS</p>
<p>Research Supervision:</p> <p>Name of the Student:</p>	<p>01</p> <p>M Santhoshi kumari</p>
<p><u>Education:</u></p> <p>Doctoral Research:</p> <p>Masters:</p> <p>Bachelors:</p>	<p>Ph.D Bangalore University, Bangalore.</p> <p>Msc.(First class), Karnatak University Dharwad.</p> <p>Bsc. (First class), Karnatak University Dharwad.</p>
<p>Research Publications:</p>	<ol style="list-style-type: none"> a. International e-Journal of Numerical Analysis and Related Topics Volume (2), JUNE 2008, pp. 15-28 ISSN: 1687-787X. "Application Of Matlab Symbolic Maths With Variable Precision Arithmetic to Compute Some High Order Gauss- Legendre-Kronrod Quadrature Formulae." Authors: Prof. H.T. Rathod, Dr. R.D. Sathish, Dr. H.Y. Shrivalli. b. International e-Journal of Numerical Analysis and Related Topics Volume (4), March 2010, pp. 1-18 ISSN: 1687-787X "On A New Cubic Spline Interpolation" Authors: Prof. H.T. Rathod, Dr. H.Y. Shrivalli, C.S. Nagabhushan. c. International Journal of Mathematical Analysis Volume (4), March 2010, pp. 1387-1415 ISSN 1312-8876 "On a new Cubic Spline Interpolation with Application to Quadrature". Authors: Prof. H.T. Rathod, Dr. H.Y. Shrivalli, K.V. Nagaraj,kesavulu Naidu. d. International Electronic Engineering Mathematical Society IEEMS Volume (6), March 2011, pp.147-190, ISSN: 1687-787X "On Cubic Splines with Applications to Quadrature over Curved Domains". Authors: Prof. H.T. Rathod, Dr. H.Y. Shrivalli, C.S. Nagabhushan.

	<p>e. International e-Journal of Numerical Analysis and Related Topics International Electronic Engineering Mathematical Society IEEMS Volume (6), March 2011, pp. 52-85 ISSN: 1687-787X “Symbolic Computation of High Order Gauss Lobatto Quadrature Formulas with variable precision Arithmetic”. Authors: Prof. H.T. Rathod, Dr. H.Y. Shrivalli, C.S. Nagabhushan.</p> <p>f. International e journal of Engineering Mathematics: Theory and Application. Volume (15), Sept. 2013, PP.1-23, ISSN 1687-6156 "on cubic splines with Applications to integration along a space curve". Authors: Prof. H.T. Rathod, Dr. H.Y. Shrivalli, Arunkumar Gali.</p> <p>g. International Journal of Engineering And Computer Science Vol. 3, Issue: 4, April, 2014. pp: 5400 – 5435, ISSN: 2319 -7242 “An explicit finite element integration scheme using automatic mesh generation technique for linear convex quadrilaterals over plane regions”. Authors: H T Ratod, Bharath Rathod, Shivaram K T, H Y Shrivalli, Tara Rathod, K Sugantha devi.</p> <p>h. International Journal Of Engineering And Computer Science ISSN:2319-7242 Volume 6 Issue 11 November 2017, Page No. 23107-23191 Index Copernicus value (2015): 58.10 DOI: 10.18535/ijecs/v6i11.17 “A Brief Review On The Application Of Polynomial Splines To Quadrature In One And Two Dimensions”. Authors:Prof. H.T.Rathod ,K.V.Vijayakumar , A.S.Hariprasad , H. Y. Shrivalli.</p> <p>i. International Journal Of Engineering And Computer Science 6(11),22869-23058. “Finite element solution of Poisson Equation over Polygonal Domains using a novel auto mesh generation technique and an explicit integration scheme for nine node linear convex quadrilateral of Lagrange family.” Authors: HT Rathod, HY Shrivalli, Bharath Rathod, K Sugantha Devi.</p>
Courses Handled:	<p>Engineering Mathematics-I, II, III,IV.</p> <p>Institution Elective: VII sem Number Theory, VIII sem Operations Research. MCA .</p>
Additional Responsibilities:	<p>Board of studies member. Board of Examiner member Academic Audit Committee member Coordinator of content development for Website. Coordinator for Procurement of Library books to the Department. Participates as role in the revision and up gradation of courses in the Department. Worked as Bangalore university Exam coordinator during 2002. Worked as Coordinator for the conduction of Theory Examinations for</p>

	<p>Autonomous Stream during Dec-2014/Jan.</p> <p>Worked as NBA coordinator in the Department.</p> <p>Participated in the Stock verification of BMSCE central Library , Chemical Electrical, Biotechnology, Telecommunication Engineering and MBA, IEM Departments.</p> <p>Coordinator of content development for website.</p> <p>Anti- Ragging committee Squad member.</p> <p>Worked as Time Table officer.</p> <p>External Paper setter.</p> <p>Framed Operation Research syllabus for Eighth semester institutive elective during 2012.</p>
	<p>Other Information:</p> <p>WORKSHOPS:</p> <ol style="list-style-type: none"> Workshop on “Object Oriented Programming, held during 7th-21st January 2002, at B. M.S. College of Engineering, Bangalore. Workshop on “Data Base Technology, held during 4th-17th March 2002, at B. M. S. College of Engineering, Bangalore. Workshop on “Digital Controller Design & Applications, held during 15th-28th June,2002, at B.M. S. College of Engineering, Bangalore. Workshop on “Bio-Technology For Engineers, held during 06th-20th January 2003, at B. M. S. College of Engineering, Bangalore. Workshop on “Recent Advances In Computational Techniques, held during 02nd-13th August 2004, at B. M. S. College of Engineering, Bangalore . College for Leadership and Human Resource Development- Facilitating Excellence in Effective Leadership. (FEEL TEACHER) held during 01st-04th September 2005 at B.M.S. College of Engineering, Bangalore . Business Process Modelling- Faculty Development Programme- held during 17th-29th July 2006 at B.M.S. College of Engineering, Bangalore. One day Symposium on Applied Mathematics in Engineering Technologies- held on 16- 12-2006 at BNMIT, Bangalore. Workshop on “Computational Fluid Dynamics”, held during 09th-23rd January 2008, at B.M.S. College of Engineering, Bangalore. Workshop on “Biomedical systems & control ”, held during 25th-31st March

	<p>2009, at B.M.S. College of Engineering, Bangalore.</p> <p>k. Workshop on “Probability And Statistics for Applications in Engineering, held during 08th-11th June 2010 at P.E.S.I.T, Bangalore.</p> <p>l. Faculty Development Programme in Entrepreneurship Development, held during 19th-30th March 2012, at. B.M.S. College of Engineering, Bangalore.</p> <p>m. Workshop on “Project Management Institute , held during 20th-25th August 2012, at B.M.S. College of Engineering, Bangalore.</p> <p>n. Faculty Development Programme on “Computational Techniques for Research” held during 08th-10th April 2013, at. RVCE, Bangalore.</p> <p>o. Faculty Development Programme on “Signal Processing using MATLAB and SIMULINK”, held during 08th-13th July 2013 at RVCE, Bangalore.</p> <p>p. Faculty Development Programme on “Stochastic Processes in Engineering & Technology”, held during 18th-20th July 2013, at RVCE, Bangalore.</p> <p>q. Workshop on “Japanese Management Techniques”, held during 26th-30th August 2013, at B. M. S. College of Engineering, Bangalore.</p> <p>r. Faculty Development Programme on “ INTELLIGENT MACHINES & SYSTEMS” held during 20th-24th January 2014, at BMSCE, Bangalore.</p> <p>s. Faculty Development Programme on” Linear Algebra and its Applications” , held during 16th-20th June 2014, organized by Department of Mathematics , B. M. S. College of Engineering, Bangalore.</p> <p>t. National workshop on “Statistical and Numerical Trends in Engineering ”, jointly organized by Bangalore Institute of Technology and Karnataka Science and Technology Academy (KSTA), DST, GoK during 29th-30th July 2015.</p> <p>u. Workshop on “Tools for Project Management and Evaluation” , organized by the Department of Mathematics, BMSCE, Bangalore-19, during July 18-24, 2016.</p> <p>v. Faculty Development Programme on ”Graph Theory-Algorithms and Applications” , held during 26-12-2016 to 07-01-2017, organized by Department of Mathematics under TEQIP-II , B. M. S. College of Engineering, Bangalore.</p> <p>w. Technical Education Quality Improvement Programme(TEQIP)-II ON Advanced Numerical Techniques for Engineers and Researchers(ANTER-</p>
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	<p>2017) DURING January 23-28, 2017.</p> <p>x. Faculty Development Programme on Foundation Program in ICI for Education conducted by Indian Institute of Technology Bombay from August 3, 2017 to September 7, 2017.</p> <p>y. Faculty Development Programme on Foundation Program in ICI for Education conducted by Indian Institute of Technology Bombay from August 3, 2017 to September 7, 2017.</p> <p>z. Faculty Development Programme on Pedagogy for Online and Blended Teaching-Learning Process conducted by Indian Institute of Technology Bombay from September 14, 2017 to October 12, 2017.</p> <p>aa. Participated in “ 5th IEEE International Conference- MITE 2017” HELD AT bms College of Engineering, Bangalore on October 27th-28th 2017, Supported by TEQIP-III.</p> <p>bb. Workshop on New Model Curriculum for First year BE/B.Tech-CBCS Detailed syllabus(2018-19) as per Outcome-Based TEQIP-1.3 for the course Mathematics under Basic Science Board held on 7-5-18 at RIT, Bangalore organized by Visvesvaraya Technological University, Belagavi.</p>
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