


INDIVIDUAL FACULTY PROFILE

	<p> Name in Caps : DEVARAJ K Designation : Assistant Professor Qualification : M.Tech (Heat Power Engineering), (PhD) Email-id(official) : devarajk.mech@bmsce.ac.in Experience : 19 Years (5 Years Industry, 4 Years Research) Teaching experience : 10 Years Date of Joining this Institution (BMSCE): 17-09-2013 Research Interests: Heat Transfer, Computational Fluid Dynamics, Advanced Fluid Mechanics, Turbomachinery </p>
<p>About Your self</p>	<p> Paragraph (Minimum 10 Lines) Prof. Devaraj has more than 19 years of experience in Teaching, Research, and Industry(OEM). After completing the Master's from NITK, Surathkal, he joined Thermal Turbomachines Laboratory, IIT Madras as Research Scholar. Later he worked for General Electric(Power), JFWTC, Bengaluru as Technologist/Engineer in Heat Transfer and Fluid system team, on Heat Transfer Analysis of Gas turbine casing and rotor components. His research area includes Turbomachinery and Rocket Propulsion. He has a strong practical background knowledge in the area of Heat Transfer, Fluid Mechanics, Computational Fluid Dynamics. A strong scheduler, problem solver who readily adapts to change, work independently and efficiently without compromising on quality. Teaching the thermal engineering courses through the pedagogical aspect is his buzz word and has provided training in use of LATEX for documentation. </p>
	<p> Education: Doctoral Research: PhD IIT Madras (pursuing) Masters: M.Tech (Heat Power Engineering), NITK, Surathkal Bachelors: B.E (Mechanical Engineering) University 7th Rank, Bangalore University Other Degree/Diploma/PG diploma if any: D.M.E (Mechanical Engineering) State First Rank, Board of Technical Education, Karnataka. </p>
	<p> Personal web site/page if any then mention the Webpage link Linkedin profile: https://www.linkedin.com/in/devaraj-k-b3276824/ </p>
	<p> Selected Publications Journals: 1. Deepak Raj P.Y, Devaraj. K, (2013), " Numerical Heat Transfer Analysis of a Flat Plate using Combined Jet Impingement and Film cooling, with Flow Patterns ", International Journal of Engineering Research & Technology, Vol.2 -Issue 11,pp 2078-86, 2013. 2. Devaraj, K, Prasanna J, "A numerical analysis of hydrodynamic and heat transfer effects of shell-and-tube heat exchanger for different baffle space and cut", International Journal of Mechanica Confab,No.4,vol-2,pp 17-36,2013. 3. Devaraj, K, " Exploring Social Learning through Wiki in addition to Face to Face Interaction ", Journal of Engineering Education Transformations, No.2, vol-29, pp 59-63, October 2015. </p>

	<p>Conferences: 1. Devaraj, K, Sitaram, N(2007) “Numerical investigation of film cooling of a flat plate using converging slot hole”, International conference on fluid mechanics and fluid power, 2007, BITS pilani, Ranchi.</p>
	<p>Courses Handled/List Undergraduate courses: Basic Thermodynamics, Applied Thermodynamics, Fluid Mechanics, Heat Transfer, Turbomachines, Incompressible Fluid Dynamics, Python Programming</p> <p>Postgraduate courses: Advanced Fluid Mechanics, Computational Fluid Dynamics, Heat Transfer in Propulsion System, Steam and Gas Turbines</p>
	<p>Additional Responsibilities 1. Member, Departmental Academic Committee of Mechanical Engineering department, BMSCE 2. Member, Board of Studies, BMSCE 3. Timetable Officer for Department since Jan 2020</p>
	<p>Other Information: Delivered IUCEE Webinars: 1. Use of Social learning tool "Edmodo" in classroom for better interaction https://www.youtube.com/watch?v=DO8097ztlg4</p> <p>2. How to use NPTEL lectures for classroom and keep students engaged https://www.youtube.com/watch?v=7Rxm59hFho8</p> <p>3. Visiting Faculty, VTU Centre for Postgraduate studies, Bengaluru from Oct 2011 to Aug 2013 to teach M.Tech Aerospace Propulsion students.</p> <p>4. Delivered talk on use of MATLAB for Fluid Mechanics applications at UVCE, Bengaluru and SJEC, Managalore.</p> <p>5. Organized a Faculty Development program on “MATLAB for Mechanical Engineers”</p>