FACULTY PROFILE

Name : Dr. RAVI L
Designation : Assistant Professor
Qualification : M.E, Ph. D
Email-id : ravil.mech@bmsce.ac.in
Experience : 11
Teaching experience : 3.5
Date of Joining Institution : 17-08-2016

Research Interests:

Heat Transfer, Computational Fluid Dynamics, Refrigeration and Air conditioning and Nuclear Thermal Hydraulics.

About Your self

Dr. Ravi L, Assistant Professor, Department of Mechanical Engineering, BMS College of Engineering, Bengaluru has a Diploma in Mechanical Engineering, Bachelors degree in Mechanical Engineering, Master degree in Thermal Science and Engineering and holds a Ph. D in Nuclear Thermal Hydraulics from Homi Bhabha National Institute, Mumbai. His research interests are in the fields of Heat transfer, Computational Fluid Dynamics, Refrigeration and Air conditioning and Nuclear Thermal Hydraulics.

Education

Doctoral Research: Nuclear Thermal Hydraulics, Homi Bhabha National Institute, Mumbai
Masters : M.E. Thermal Science and Engineering
Bachelors : B.E. Mechanical Engineering
Other Degree: Diploma in Mechanical Engineering

Selected Publications

1. A Robust Thermal Model to Investigate Radial Propagation of Core Damage due to Total Instantaneous Blockage in SFR Fuel Subassembly, Annals of Nuclear Energy 62 (2013) 342–356.
2. Investigation of Natural Convection in Heat Generating Molten Nuclear Fuel and Assessment of Core Damage Propagation', ASME Journal of Thermal Science and Engineering Application 7(3), (2015), doi: 10.1115/1.4030248.
3. Conjugate Heat Transfer Investigation of Core Damage Propagation during Total Instantaneous Blockage in SFR Fuel Subassembly, Annals of Nuclear Energy, 90 (2016), 371–388.
4. Investigation of Natural Convection in Heat Generating Molten Nuclear Fuel and Assessment of Damage Propagation in the Core, Proceedings of the 22nd National and 11th International ISHMT-ASME Heat and Mass Transfer Conference December 28-31, 2013, IIT-Kharagpur, India.
5. Transient Natural Convection in a Heat Generating Fuel Pool and Damage Propagation in Core during Flow Blockage in a Single Fuel Subassembly, Proceedings of the 5th International and 41st National Conference on Fluid Mechanics and Fluid Power December 12-14, 2014, IIT Kanpur, India.
6. Numerical Investigation of Damage Propagation within a Nuclear Fuel Subassembly Due to Flow Blockage, Proceedings of International Conference on Computational Methods in Engineering and Health Sciences, December 17-19, 2014, Manipal Institute of Technology, Manipal, India.

	7. Investigation of Core Damage Progression during Total Instantaneous Blockage in SFR Fuel Subassembly, Proceedings of the CANDU Safety Association for Sustainability and New Horizons in Nuclear Reactor Thermal-Hydraulics and Safety, December 8-11, 2015, BARC, Anushaktinagar, Mumbai, India. 8. Numerical Investigation of Heat Transfer and Damage Progression during Total Instantaneous Blockage in a Nuclear Fuel Subassembly, 23rd National and 1st ISHMT-ASTFE Heat and mass transfer Conference, December 2015, LPSC, ISRO, Trivandrum, India. 9. Development of Thermal Hydraulic Model and Investigation of Core Damage Propagation during Total Instantaneous Blockage in SFR Fuel Subassembly, IGC Newsletter, Volume 112, April 2017. ISSN 0972-5741.
Courses Handled/List	Basic Thermodynamics Applied Thermodynamics Fundamentals of Heat Transfer Elements of Mechanical Engineering Elements of Engineering Drawing
Additional Responsibilities	In-charge of Heat Transfer Lab
Other Information	Life member of ISHMT