

Krishna Kumar

Pursuing Ph.D. (SVNIT, Surat)

Department:
Department of Mechanical Engineering
Designation:
Assistant Professor
Email:
krishna.kumar@svmit.ac.in

Summary

Krishna Kumar is an Assistant Professor in Department of Mechanical Engineering at SVM Institute of Technology since 5th January 2015. He has over 8 years of experience in teaching and research in the area of thermofluidic. He has taught various subjects in UG and PG like Heat Transfer, Fluid Mechanics and Fluid Machines, Gas Dynamics, Computational Fluid Dynamics, Computational Methods, Engineering Mathematics etc. He has delivered expert talk on Trouble shooting in Pumps and valves at various industries. Currently he is working in the area of Multi Phase Flow dynamics in Floating Nuclear Power Plant in ocean motions.

Skill Highlights

- Team work and collaboration
- Strong decision maker
- Complex problem solver
- Creative design
- Innovative
- Professionalism and strong work ethics

Experience

Total Teaching Experience: 8 years

- UG Teaching: 8 Year
- PG Teaching: 5 Year
- Research Experience: Project Assistant at Ocean Engineering Department, IIT Madras

Education

- Pursuing Ph.D.: **Mechanical Engineering** – SVNIT, SURAT
- Master of Technology: **Mechanical Engineering (Turbomachine)** – SVNIT, SURAT
- **Project Title:** Analytical and Experimental Analysis on Intermittent type Two Phase Flow in Horizontal Pipe.
- Bachelor of Engineering: **Aeronautical Engineering** – AESI, NEW DELHI
- Bachelor of Science (**Mathematics**) - Tamil Nādu Open University, Chennai

Area of Interest

- Multi-Phase Flow, Computational Fluid Dynamics (CFD), Solar cell (Concentrated Photovoltaic cell for Space application), Geothermal Energy and Synthetic Jet applications.

Addition Information

- **Certifications:** ANSYS Fluent
- **Research Publication:** Journal – 7, Conference Proceedings – 12
- **STTP's /FDP's Attended:** 15
- **Conference Organized:** 1 (National)
- **Expert Talk Delivered:** 2 (National)
- **SSIP Grant Received:** Grant worth 1.5 Lakh received for 2 projects.
- **Recognition/Membership:**
 1. National Society of Fluid Mechanics and Fluid Power (NSFMFP), IIT Mumbai
 2. Indian Society of Heat and Mass Transfer (ISHMT), IIT Madras
 3. American society of thermal and fluid Engineers (ASTFE), USA