




N.S.SRIKANTH

Assistant Professor

CONTACT

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Professional Experiences:

Teaching: 12 years

Research: 8 Years

Courses Taught:

1. Thermodynamics
2. Heat Transfer
3. Computational Fluid Dynamics(CFD)
4. Control Engineering
5. Computer integrated Manufacturing
6. Robotics& Automation
7. Manufacturing process
8. Mechanics of materials

ABOUT ME

I am working as Assistant professor in the Department of Mechanical Engineering NIE since 2010 His expertise is in the field of **Thermodynamics, Heat transfer, Computational Fluid dynamics, Two Phase flow systems, Electronic Cooling & Data Centre Cooling** .I have got a total of 4 International journal publications and 5 International conference proceedings.

I am teaching CFD as an elective course in the department of Mechanical Engineering, NIE since 2012 and has organized and completed more than **25 hands on training sessions in Ansys -Fluent CFD** software. Responsible for Developing a Multicylinder Engine Test Rig -**Bosch Bay @ NIE** in coordination with Bosch India Pvt.Ltd.

Apart from my Academic Experience I am also responsible for setting up of "**Robotics Club @ NIE** "which has grabbed more attention among the students across all branches by organizing many Project based workshops and technical competitions like "Roborikishi". <https://www.roboticsclubnie.in/>

Also believes in experimenting new innovative practices in Teaching/Learning and inspiring students to become a good human being.

RESEARCH INTERESTS:

Electronic cooling, two phase flow boiling in Micro channel, Heat transfer, CFD, Micro-Heat exchangers, Data centre cooling

EDUCATION

- **Ph.D - Thermal Engineering**
Currently Pursuing @ IIT Madras
- **M.Tech by Research. - Thermal Engineering**
NITK, Surathkal,
Year of Graduation :2014
- **B.E., - Mechanical Engineering**
NIE, Mysuru
Year of Graduation : 2010

PUBLICATIONS

- 1.) Conjugate heat transfer analysis of hexagonal shaped micro channel as an application for chip cooling” (paper number 110), by **Srikanth N S**, Arun Mahalingam, Prasad Krishna and Nagaraj M K Presented Paper at 5th International and 41st National Conference on Fluid Mechanics and Fluid Power to be held at the Indian Institute of Technology Kanpur during December 12-14, 2014
- 2.) “Numerical investigation of heat transfer and fluid flow in hexagonal shaped micro channel for various hydraulic diameters “by **Srikanth N S**, Prasad Krishna, Nagaraj M K presented paper for International conference on science and technology at VIT, Tamil Nadu on May 6-7,2014.
- 3.) Rajath Mallya P1, Rajath Alva K2, N Seshaprakash*, M Vijayakumara4, **N S Srikanth**5, N V Raghavendra6 ” Combustion Noise Reduction of a Compression Ignition Direct Injection Engine by Optimizing the Fuel Injection Equipment” International Journal of Engineering Trends and Technology , ISSN: 2231-5381, 2016.
- 4.) Harsha B T1, G S Mayur², Indresh D R³, N Seshaprakash⁴,Tajmul Pasha⁵, **N S Srikanth**⁶ “Noise Reduction by Optimization of HPP configuration and Injection Timing in a Direct Injection CI Engine” International Journal of Engineering Trends and Technology, ISSN: 2231-5381,2016.
- 5.) Aditya S S¹, Karthik M Prabhakar², Girinath S Bhatt³,Manjunatha H V#4, N Seshaprakash^{5*}, **N S Srikanth**⁶” Study of the effect of nozzle configuration on Noise level in CI engines, International Journal of Engineering Trends and Technology,ISSN: 2231-5381, 2016.
- 6.) R Prajwal Athreya^a, J Tejas^b, Mascarenhas Venson^c **N S Srikanth**^d “Numerical Investigation of Single-Phase Heat Transfer in Converging and Diverging Microchannel” IOP Conf. Series: Materials Science and Engineering, doi:10.1088/1757-899X/1189/1/012035.
- 7.) Prajwal Athreya R1, Tejas J1, Venson Mascarenhas1, **Srikanth N.S**2 “Numerical Investigation of Single-Phase Heat Transfer in Converging and Diverging Microchannel” Proceedings of the 8th International and 47th National Conference on Fluid Mechanics and Fluid Power (FMFP) December 09-11, 2020, IIT Guwahati, Guwahati-781039, Assam, India, FMFP2020–014

Invited Talks/Guest Lectures

Workshops Invited as Resource Person			
Sl No	Title	Date/Duration	Organised by
1	A short term course on Hydraulic and Hydrological Modeling	17-19 July 2023	Department of Civil Engineering, NIE
2	Training programme on MATLAB	18-5-2020 to 22-5-2020	Department of Mathematics, NIE
3	CFD in Hydraulics Engineering	21-11-2022 to 26-11-2022	Department of Civil Engineering, NIE
4	Innovative Teaching strategies	2-06-2023	MITE, Moodbidre
5	Basics of Robotics	1-5-2023 to 12-5-2023	The learning curve, International School Mysuru-570017