

Curriculum Vitae

Personal Details (Webpage: maneeshpunetha.github.io)

Name: Maneesh Punetha **Gender:** Male
Date of Birth: September 01, 1989 (Pithoragarh, UK, India) **Nationality:** Indian
Mobile: +91-8960544696 **Current Position:** Postdoctor (since June 2021)
E-mail: punetha@kth.se, maneesh40@gmail.com **Language:** English, Hindi (Mother Tongue)



Education

Year	Degree/Certificate	Institution	CGPA
2014-2020	Ph.D., Mechanical Engineering (FTS*)	Indian Institute of Technology Kanpur, UP, India	8.67/10
2012-2014	M. Tech., Thermal System Design	Sardar Vallabhbhai National Institute of Technology, GJ, India	9.65/10
2007-2011	B. Tech., Mechanical Engineering	Government College of Engineering, Amravati, MH, India	8.45/10

*Fluid and Thermal Sciences

Fields of interest

Nuclear Power Safety, Thermal Hydraulics, Phase Change in Multiphase Flow, Heat Transfer and Computational Fluid Dynamics

Research experience

Ph. D. Thesis (Supervisor: Dr. Sameer Khandekar, Mechanical Engineering, Indian Institute of Technology Kanpur)

- Containment Thermal Hydraulic Studies towards Understanding Post-Severe Nuclear Accident Scenarios (Aug 2014 - Apr 2020)

M. Tech. Thesis (Supervisor: Dr. Jyotirmay Banerjee, Mechanical Engineering, S. V. National Institute of Technology Surat)

- Analysis of Dispersion of Heated Effluent in Lake Scenario (Aug 2013 - Jun 2014)

B. Tech. Project (Supervisor: Dr. Pramod R. Pachghare, Mechanical Engineering, Government College of Engineering, Amravati)

- Optimization of number of turns of (CLPHP) Closed Loop Pulsating Heat Pipe (Group of four) (Aug 2010 - May 2011)

Sponsored Projects Experience (PI: Prof. Sameer Khandekar Co-PI: Prof. K. Muralidhar)

- Studies on heat transfer during condensation of steam-hydrogen mixtures inside closed containment by BARC (Oct 2015 - Mar 2020)

- Local heat transfer coefficient during film condensation of steam hydrogen mixtures by BRNS (Apr 2015 - Mar 2018)

Publications

Journals (6), Book chapters (2) and Conferences (9). **Details:** <https://scholar.google.co.in/citations?user=8GQ6AHwAAAAJ&hl=en>

Skills

Instruments: Fire tube boiler operation, Online mass spectrometer, Transient heat flux measurement and Drop shape analyzer

Softwares: ANSYS CFX, ANSYS Fluent, Solidworks, Solidedge, Adobe Photoshop, MATLAB, LABVIEW, C, FORTRAN, HTML

Academic achievements/fellowships

- Received "Outstanding Ph. D. Thesis Award - 2020" in 53rd Convocation of IIT Kanpur.
- Student Best Poster award in ICONE27, Ibaraki, Japan, 2019.
- Another paper in ICONE27, Ibaraki, Japan, 2019 is selected for ASME Journal of Nuclear Engineering and Radiation Sciences.
- International travel grant from IIT Kanpur for attending conference ICONE27, May 19-24, 2019 at Tsukuba, Ibaraki, Japan.
- Received higher education scholarship from MHRD, Government of India for Ph.D. (2012-2014) and M. Tech. (2012-2014).
- Awarded Times of India Merit Scholarship in M. Tech for academic year of 2012-13.
- Awarded Merit scholarship by Army Welfare Education Society (AWES), New Delhi, India in entire B. Tech (2007-2011).

Post-PhD experience

- 10.5 months (Sr. Rerearch Fellow at IIT Kanpur, Uttar Pradesh, India) from Aug 2020-Jun 2021
- 1.5 year (Postdoctor at KTH Royal Institute of Technology, Stockholm, Sweden) from June 2021-present

Pre-PhD experience

- Teaching Assistant in 'Refrigeration and Air Conditioning' and 'Liquid-Vapour Phase-Change Phenomena' at IIT Kanpur
- 1 Year (Assistant Manager, Health, Safety and Environment in Essar Steel India Limited, Gujarat, India) from Jul 2011-Aug 2012

Other key experiences

- Maintained website of Mechanical Engineering Department, IIT Kanpur from Jul 2015- Dec 2019
- Volunteer in Indo-French Workshop on 'Phase Change Thermal Systems' at Khajuraho, India, 29 Nov - 01 Dec 2016
- Volunteer in TEQIP short term training program on "Conduction and Radiation" at SVNIT Surat, GJ, India, 1-3 Jul 2013
- Volunteer in FMFP2013, SVNIT Surat, GJ, India, 13-15th Dec 2012
- National Cadet Corps (NCC) 'C' certificate holder. Served 3 years in "3 Maharashtra Signals Company" Army Wing
- Organized technical event (Convener of CAD event) and sports events (Sports secretary for swimming) during B. Tech.