

RESUME

Name: Sagar Ravikant Patil
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Career Objective:

To work in organisation which provide me ample of opportunities to enhance my skills and knowledge along with contributing to growth of the organisation.

Career summary:

- A progressive and multi-talented lecturer with extensive practical knowledge having Two-years of experience as Assistant Professor.
- Excellent knowledge of the new technology and new methodologies in Field of Mechanical.
- Good knowledge of subject and have great practical knowledge
- Knowledge about the common job duties of a Asst. Professor and ability to perform them efficiently.

Educational Qualification:

- Bachelor's degree in **Mechanical Engineering** from G. S. Moze of Engineering College from The Pune University with first class in the year 2015.
- Master degree in **Heat Power Engineering** from Govt. College of Engineering, Karad from Shivaji University, Kolhapur with First class with Distinction in the year 2019.

Technical Skills:

- Proficiency in **Catia-V5 and Auto-cad.**
- Basic Knowledge of **ANSYS fluent Software.**
- Able to do **Microsoft Office** tools.

Internship:

- Worked as an intern for six month at “**PREMIER SEALS (INDIA) PVT. LTD**”, Pune.
- Worked as project intern for six month at “**BHABHA ATOMIC RESEARCH CENTER**”, Mumbai.
- Short term training program on “**Computational Fluid Dynamics and Ansys Software**” at Government college of Engineering Karad.

M.Tech (HPE) Dissertation:

- **Project Name: “CFD simulation of flow boiling in heated pipe and sub-channel of Nuclear Reactor.”**
- **Company sponsor: “Bhabha Atomic Research Centre, Mumbai”**
- **Project Description:**
Nuclear reactor is important primary component of nuclear power plant where all heat transfer process take place. It is important to study overall flow characteristics and analyse the effect of heat transfer on system. CFD simulation is best way to understand all effect and behaviour of flow characters. So, Simulation results are validated with experimental data. Validated model is used to perform 3D subchannel analysis. The results from the subchannel analysis are compared with that of the tube to understand the impact of the shape of the subchannel on the overall flow characteristics.

Published Paper:

- Poster paper presented on **“Effect of Lift force on the prediction of subcooled flow boiling based on CFD methodology”** at National Conference on Critical Heat Flux and Multiphase flow-Dec 2018 held at IIT BHU, Varanasi, India.
- Sagar Patil, Ramakant Shrivastava, Mukesh Kumar, **“Comparative study CFD simulation of flow boiling in heated pipe and sub-channel of Nuclear Reactor”**, International Conference on Material and Energy (ICME-2k19), Warangal, Telangana, India. (Accepted for publication in Elsevier: Conference Proceedings, Paper Id: Easy Chair – 165).

Achievements:

- Participation certificate in **“National Conference on Critical Heat Flux and Multiphase flow-Dec 2018”** held at IIT BHU, Varanasi (India).
- Participation certificate in Short term training program on **“Computational Fluid Dynamics and Ansys Software”** at G.C.E. Karad.
- Participate in **“International Winter Academy-2018”** at G.C.E. Karad.
- GATE qualifies in 2017.

Work Experience:

Working as Asst. Professor, Vishwatmak Om Gurudev College OfEngineering, Aghai from 7th January 2020 to 31st January 2022.

Working as Asst. Professor, Bharat College of Engineering, Badlapur from 11 July 2022 to 14th June 2023.

Working as Asst. Professor, St. John College of Engineering and Management, Palghar from 1st July 2023 to till date.

Key Responsibilities Handled

- ✓ Motivate student for Research paper publication.
- ✓ Advisory Member of NSS committee.
- ✓ Understudy Officer in University Exam.
- ✓ Working on Institute level project.
- ✓ Developing Lab manuals for the Practical session of concerned subject.
- ✓ Provide support to weak students.

Subject Offered:

- Engineering Drawing
- Engineering Mechanics.
- Strength of Material
- Thermodynamics
- Thermal Engineering
- Turbo Machinery
- Power Plant Engineering
- HVACR

Personal Details:

Name: Sagar Ravikant Patil

Date of birth: 8th Feb 1993

Permanent Address: 206, Ameya Apartment, Near Ganesh Kund ,Palghar.

Nationality: Indian.

Marital status: Single

Sex: Male.

Languages known: Marathi, Hindi and English.

Declaration:

I hereby declare that all the information furnished here is true and correct to the best of my knowledge and belief.

Date:

Place: Palghar

(Sagar Ravikant Patil)