

CV of P. A. RAJIWADE, PhD.

Curriculum Vitae

Dr. P. A. Rajiwade
Assistant Professor, Production Engineering Department
Veermata Jijabai Technological Institute-VJTI Matunga, Mumbai 40019 India
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Education:

Degree	School /College /University	Month and Year	CGPA/Marks
Ph.D. Mechanical Engineering	Indian Institute of Technology, Bombay (IITB), Mumbai, India	August 2020	7.14/10.0
M. Tech. Mechanical Engineering (Turbo-Machines)	Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat, India.	July 2013	8.85/10.0
B.E. Aeronautical Engineering	The Aeronautical Society of India, New-Delhi, India	April 2010	65.50/100

M. Tech. Thesis: Design and development of annular combustion chamber for small gas turbine application (Prof. S. A. Channiwala, Dept. of Mech. Engg. SVNIT, Surat)

Ph. D. Thesis: Single Phase Natural Circulation in a Closed Rectangular Loop with a Finite Thermal Capacity Heat Sink Located below the Heater Section (Advisor- Prof. R. P. Vedula, Dept. of Mech. Engg. IITB, Mumbai)

Principal Fields of Interest:

- Thermal and Fluid flow analysis
- Aerodynamics
- Aircraft Propulsion
- Turbomachines
- Numerical Methods for engineering and science
- Convective heat transfer,
- Combined natural forced convective heat transfer: Internal Fluid Flow
- Thermo-hydraulic characteristics in natural circulation closed loop
- Computational Fluid Dynamics (CFD)

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Experience: Total 3 Years (till date)

Position	Employer	Beginning	Ending
Visiting Faculty Defence Technology	Veermata Jijabai Technological Institute (VJTI) Matunga Mumbai, India	14.01.2022	Continuing
Assistant Professor Production Engineering	Veermata Jijabai Technological Institute (VJTI) Matunga Mumbai, India	04.01.2021	Continuing
Research Assistant	Indian Institute of Technology, Bombay (IITB), Mumbai, India	26.12.2019	25.06.2020
Project Trainee	Gas Turbine Research Establishment (GTRE-DRDO Lab), Bengaluru, India	21.09.2010	12.07.2011

Current Professional Organization Membership

- Lifetime Member AMAeSI (India).

Honors and Awards:

- o Post-Graduate **Teaching Assistant Fellowship** for Ph.D. (2013-2019).
Awarded by: Ministry of Human Resource Development, India.
- o Post-Graduate **Teaching Assistant Fellowship** for M.Tech. (2011-2013).
Awarded by: Ministry of Human Resource Development, India.

Teaching Experience: Courses Taught from 2021 to 2022 academic years for even and odd semester of Undergraduate and Graduate Student class of 60 students

- Basic Thermodynamics,
- Applied Thermodynamics,
- Applied Thermodynamics Lab,
- Computational Methods,
- Supply Chain Management,
- Process Engineering Lab,
- Quantitative techniques for Project Management,
- Innovation and Entrepreneurship,
- Commercial Laws,
- Numerical Methods for Engineering and Science,
- Computational Aerodynamics,
- Aircraft Propulsion,

Research and Publications: Total Publications: 4

Papers Published in International Journals	1
Papers Published in International Conferences	3

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Publication List of Dr P. A. Rajiwade till June 2021

Peer reviewed Journal:

1. **Rajiwade P. A.**, Vedula R. P., (2020), *Single Phase Natural Circulation in a Rectangular Loop with a Finite Capacity Heat Sink Positioned below the Heater Section*, Progress in Nuclear Energy, Vol.129, ISSN 0149-1970.

International Conference:

2. **Rajiwade P. A.**, Vedula R. P., (2017), *Experimental Analysis of Single-Phase Buoyancy driven flow inside a Rectangular closed Loop for a Bottom Finite Heat Sink configuration*, 70th APS-DFD meeting, Denver, US.
3. **Rajiwade P. A.**, Vedula R. P., (2017), *Numerical and experimental analysis of single-phase natural circulation in a rectangular closed loop with a finite heat sink*, 24th National and 2nd International ISHMT-ASTFE Heat and Mass Transfer (IHMTTC), BITS Pilani, Hyderabad, India.
4. Sanjay D. Barahate, **Rajiwade P. A.**, (2021), *Convective Heat Transfer Enhancement by Array of Jets Impingement*, Proceedings of the 26th National and 4th International ISHMT-ASTFE Heat and Mass Transfer Conference December 17-20, IIT Madras, Chennai, Tamil Nadu, India.