

Dr. L. Jaykishan Nayak M.E., Ph.D.,

Assistant Professor,

Dept of ME, CET, SRMIST

Ramapuram Campus, Chennai – 89

Email : lordj@srmist.edu.in



Overview:-

Dr. L. Jaykishan Nayak working as an Assistant Professor in the Department of Mechanical Engineering at SRMIST, Ramapuram, Chennai. He Graduated in Mechanical Engineering at Biju Patnaik University of Technology, Rourkela, Odisha, India. He secured Master of Engineering in Mechanical Engineering at Birla Institute of Technology Mesra, Jharkhand, India. He Pursued Ph.D. in the field of Welding Technology at Indian Institute of Technology, Kharagpur, India. He is in teaching profession for more than 5 years. He has published number of papers in National and International Journals, Conference and Symposiums.

Areas of Research:

Welding Technology, Microstructural Characterization and Mechanical Testing, Numerical Modelling, Thermal analysis of Power plant

Selected Publications:

Web of Science/SCI

1. L.J. Nayak and G.G. Roy, Role of beam oscillation on electron beam welded zircaloy-4 butt joints, Science and Technology of Welding and Joining, 2021, 26(6): 478-486. <https://doi.org/10.1080/13621718.2021.1950498>
2. L.J. Nayak and G.G. Roy, Effect of heat input on microstructure, mechanical and corrosion properties of electron beam welded zircaloy-4 sheets, Welding in the World, 2021, 65: 987-1005. <https://doi.org/10.1007/s40194-021-01071-w>
3. L.J. Nayak and G.G. Roy, Joining of zircaloy-4 of dissimilar thickness using electron beam welding, International Journal of Advanced Manufacturing Technology, 2020, 110: 2323–2340. <https://doi.org/10.1007/s00170-020-06000-7>

4. L.J. Nayak and G.G. Roy, Thermocouple temperature measurement during high-speed electron beam welding of SS 304, Optik, 2020, 201:163538. <https://doi.org/10.1016/j.ijleo.2019.163538>
5. L.J. Nayak and D. Mahto, Effect of inlet air cooling on simple combined cycle performance, Applied Mechanics and Material, 2014, 592-594:1487-1492. <https://doi.org/10.4028/www.scientific.net/AMM.592-594.1487>
6. L.J. Nayak and D. Mahto, Performance improvement of combined cycle (dual pressure HRSG) using mechanical refrigeration system, International Journal of Applied Engineering Research, 2014, 9(23): 22539-22550.

Books/Book Chapters Published:

L.J. Nayak and D. Mahto, Combined Cycle Power Plant, Lambert Academic Publishing, Germany, 2015, ISBN 978-3-659-72107-6.

Professional Bodies:

Member – IEEE, IAE

Google Scholar:

<https://scholar.google.co.in/citations?hl=en&user=n5EG5dMAAAAJ>