

Department of Mechanical Engineering

Personal Details

Name:	Dr. Buckshumiyam A
Designation:	Associate Professor
Educational Qualification:	M.E., Ph.D.
Experience:	10 Years
Area of Specialization:	CAD, FEA, Design.

Educational Details

S.No.	Degree	Branch/Specialization	Institute/University	Year
1	B. Tech.	Mechanical Engineering	Sastra University, Thanjavur.	2005
2	M. E	CAD	B.S.A Crescent Engineering College / Anna University.	2008
3	Ph. D.	FEA Analysis in Pipe Bends	National Institute of Technology (NIT), Tiruchirappalli.	2016

Publication Details

International Journal

- 1 Buckshumiyam A, AR. Veerappan and S. Shanmugam, "Plastic collapse loads in shape-imperfect pipe bends under in-plane opening bending moment", International Journal of Pressure Vessels and Piping 2013; 111-112: 21-26.
- 2 Buckshumiyam A, AR. Veerappan and S. Shanmugam, "Effect of shape imperfections on thin-walled pipe bends under out-of-plane moment and internal pressure", Applied Mechanics and Materials 2014; 592-594: pp 1050-1054.
- 3 Buckshumiyam A, AR. Veerappan and S. Shanmugam, "Determination of collapse loads in pipe bends with ovality and variable wall thickness under internal pressure and in-plane opening moment", International Journal of Pressure Vessels and Piping 2014; 123-124: 1-9.
- 4 Buckshumiyam A, AR. Veerappan and S. Shanmugam, T. Christo Michael, "Collapse loads of shape-imperfect pipe bends under out-of-plane moment and internal pressure", Journal of Pressure Vessel Technology 2016, (Under review).

5 Ashok kumar. A, Buckshumiyam. A,”Performance analysis of regenerative feedwater heaters in 210MW thermal power plant”, International journal of Mechanical Engineering and Technology 2017, 8-8, 1490-1495.

International Conference

- 1 Buckshumiyam A, AR. Veerappan and S. Shanmugam, “Finite Element limit analysis in pipe bends subjected to in-plane opening bending moment and internal pressure”, International conference of computer aided engineering (2013), IIT madras, Chennai.
- 2 Buckshumiyam A, AR. Veerappan and S. Shanmugam, “Effect of shape imperfections on thin-walled pipe bends under out-of-plane moment and internal pressure”, International Mechanical Engineering Congress (2014), NIT-Tiruchirappalli.
- 3 Prakash Malaiyappan, Buckshumiyam A, A. K. R. Shanmuga Vadivu, “ Simulation Analysis of wind turbine generator system’ Second International Conference on Future Technology in Manufacturing, Automation Design and Energy (2021), NIT – Puducherry.

Professional Society Membership

- 1 INTERNATIONAL ASSOCIATION OF ENGINEERS (320692)

Program Attended

FDP/STTP

- FDP in RSRI in March 2022, covering Emerging Trends in Research Methodology.
- FDP on Entrepreneurship scheduled for January 2021 at DST.
- IQAC FDP Research: From conception to publication in February 2024

Other Details