

Faculty Profile

Raj pradeep.R

Designation : Assistant Professor
Department : Mechanical Engineering
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Work Experience

- ✚ Worked as a **Project Associate (2022-2025)**, DRDO ARMREB Project in Annamalai University.
(Enhancing the Performance and Productivity of Gas Metal Arc Welded, Rolled Homogenized Armor Steel Joints by Rotary Arc(Spin Arc) Welding Technique)
- ✚ Worked as a Supervisor (2016-2017)
Classic Hardwares | Coimbatore
Sheet metal work (Cutting, Bending, Fabrication)

Educational Background

<i>Degree</i>	<i>Years</i>	<i>University / School Name</i>
<i>M.E Welding Engineering</i>	2017-2019	Annamalai University
<i>B.E.Mechanical (Manufacturing Engineering)</i>	2012-2016	Annamalai University

Projects Undertaken

- ✚ M.E project work title as Effect of GMAW variants on Mechanical and Metallurgical characteristics of DP800 Steel joints (2019)
- ✚ M.E Project work title as Effect of Pulsing Current on Metallurgical and Tensile Properties of Cold Metal Transfer arc welded Carbon Steel Joints (2018)
- ✚ B.E project work title as Experimental Analysis on Metallurgical and Mechanical Behaviour of Friction Stir Welded Aluminium Alloy AA7075 Joints (2012)

Presenting Papers at Conferences:

- Paper 1:** “Effect of Pulsing Current on Metallurgical and Tensile Properties of Cold Metal Transfer arc welded Carbon Steel Joints” at National Welding Seminar cochin 2018
- Paper 2:** “Optimization of Rotating Arc Welding Process Parameters to attain Full Penetration in Square Butt Joints with Narrow Heat Affected Zone” at National Welding Seminar Pune 2022
- Paper 3:** “Effect of Rotating Arc Welding on Mechanical Properties of Rolled Homogenous Armour (RHA) Grade Steel Joints” at National Welding Meet cochin 2022
- Paper 4:** “Effect of Consumables (Filler Wires) on Tensile and Impact Toughness Properties of Rotating Arc Welded Armour Grade Steels Joints” at National Welding Seminar Chennai 2023

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Softwares known

- ✚ Analysis : ANSYS
- ✚ Welding : LAB VIEW, SYS WELD , COMSOL

Languages Known

- ✚ Tamil,
- ✚ English

Research Area

- ✚ Welding processes
- ✚ Metallurgy
- ✚ Material Characterization

Signature

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