

PIP Overview:

Are you looking for guidelines & practical knowledge on Design, fabrication aspects and Endurance strength of ATV or Race cars, a 3 Day **Welding Technology** is here to help!

So what **in it**? Design requirements specify that the vehicle must be capable of safe operation over rough terrain including obstruction such as rocks, sand jump, logs, mud block, etc. This means all fabrications aspects has to be looked into right at the design stage of vehicle. Welding being one of the important process in fabrication of these vehicles, it is must to understand the design, endurance and fabrication aspects of welding process.

This course will start with the existing failures modes in ATV & Race cars and then how to built up the quality in fabricated vehicles. Also the design guidelines and various types of welding process like Resistance, MIG, MAG and TIG will be covered. The importance of process parameters and their effect of Weld quality and efficiency of weld joint will be covered. Speakers from industry will provide development guidelines from idea generation to formulation to meet the vehicle performance requirements. This course offers opportunity to work in groups to generate their own vehicle fabrication process & process parameters. Also you will get hands on experience of design & fabrication of some weld joints. Key topics include Types of joints, welding position, properties of gases, weld slope & rotation, distortion & control, weld imperfections, causes & remedies, design of a roll cage, requirement of a good weld workmanship, etc. **Also practical examples will be discussed. Speakers carries a huge experience in area of welding and are working as judges in various competitions.**

Pricing Category	Registration fees per person (incl. 15% Service Tax)
SAE Member	Rs. 8,000 + Rs. 1200 = Rs. 9,200
SAE Faculty	Rs. 5,000 + Rs. 750 = Rs. 5,750
SAE Student	Rs. 3,000 + Rs. 450 = Rs. 3,450

Contact Information:

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What's in it for you?

- Vehicle Failure Analysis & Introduction to Welding
- Types of joints, welding position, vehicle built quality
- Weld imperfections, causes and remedies
- Welding techniques, Design of a roll cage
- Requirement of a Good Weld Workmanship
- Welding codes & standards, safety precautions
- Storage of filler wire, cylinders etc.
- Examples & practicals on welding

Learn from
Industry
Experts!

Who can attend ?

- Students participating in ATV & Race cars competitions.
- Students interested to know design to fabrication process and hands on experience
- Faculty and Mentors of participating teams.
- Small & Medium Entrepreneurs, technicians from Research Institutions / Laboratories



Save the dates!

31 Aug - 2 Sept 17
At Zeal CoE&R,
Narhe Campus, Pune

Hand-on
Practical