

Sant Gadge Baba



Amravati University

Department of Lifelong Learning & Extension

Short Term Certificate Courses

(3 Month)

Syllabus

For

Certificate Course in Advance Welding Technology

Sr. No.	Trade Practical	Trade Theory
1	Induction training Familiarizations with the institute Importance of Trade Training Machinery used in the trade Introduction to safety equipment and their uses etc. Setting up of flame. String and arc.	General discipline in the Institute Elementary First Aid Importance of Welding in Industry - safety in Oxy Acetylene Welding and Cutting Marking tools Materials Preparation method.
2	Arc Welding Butt joint, Tee joint, Lap joint, Corner joint	Principle of Arc Welding Necessity of Welding Machine types of Machines- Construction Advantages and disadvantages of each machine-Care and maintenance. Arc and its characteristics-Arc length-types Uses Advantage and disadvantages. Polarity-types Method of identification Uses of each type Importance and indication of wrong polarity.
3	Introduction of Gas Welding Oxy-Acetylene Plant.	Regulators Types Construction and uses. Care and Maintenance Welding Blow Pipes Types Description Operation Construction Uses Care and Maintenance Difference between H.P & L.P. System
4	Introduction of TIG Welding	
5	Introduction of MIG Welding	
6	Introduction of Spot Welding	