



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE GWALIOR

Department of Mechanical Engineering

REPORT OF SKILL BASED MINI PROJECT

Design of Machine Elements (120412)

Title of Project WELDED JOINTS.

Introduction:

In metalworking, a welding joint is a point or edge where two or more pieces of metal or plastic are joined together. They are formed by welding two or more workpieces according to a particular geometry.

Description of Model



Patterns-

Single transverse fillet, Double transverse fillet, Parallel fillet, Parallel and Double transverse fillet

Joints-

Butt joint, Corner joint, Edge joint, Lap joint, Tee joint

Applications of Model

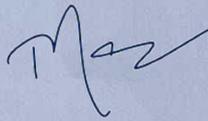
The applications of lap joint mainly include gas tungsten arc weld, resistance spot welding, as well as gas metal arc welding. These are also used in plastic, wood, tabling, temporary framing, assembly of the frame in cabinet making and in automation relating processes.

What I Learned Through Project:

In this skill Based project I have learn the different types of welding patterns and the different welding joints i.e. patterns name - single transverse fillet, double transverse fillet, parallel fillet, Joints names - butt, corner, edge, lap, and tee.

Submitted By

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