



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE GWALIOR

Department of Mechanical Engineering

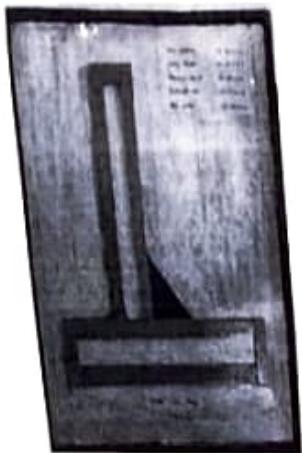
REPORT OF SKILL BASED MINI PROJECT

Design of Machine Elements (120412)

WELDED JOINTS

Introduction: Welding is a fabrication process whereby two or more parts are fused together by means of heat, pressure or both forming a join as the parts cool.

Description of Model



Welded Joints are permanent joints used in the fabrication process. In this modern technology world, fabrication work would be impossible without welding. No single person was involved in the invention of welding. The first is an electric arc welding between two carbon electrodes using the battery as an energy source. It was introduced by 'Sir Humphry Davy' in 1880. After the invention, welding continued to evolve, bringing it to its modern-day form.

In the various joining process, welding is one of the most used permanent joining processes. A riveted joint must consist of additional components like cover

Applications of Model

The T-shaped connector into which tubes or pipes are inserted to form a tee joint is also itself known as a tee joint.

What I Learned Through Project:

How the welded joints work

How is welding formed.

Prathmesh T.

Submitted By

Prathmesh tare : 0901AU201019

Sem. IV

Mechanical Engineering



Head

Deptt. of Mechanical Engineering
Madhav Institute of Tech. & Science
Gwalior - 05 (India)

Prof. Rajendra Prasad Kori

Submitted by

Prof. Rajendra Prasad Kori
Assistant Professor