SUMMER INTERNSHIP REPORT

PROJECT-WELDING PROCESS
Submitted By

SUDAMA KUMAR

ROLL No-22039164

B.Tech Mechanical Engineering

4th Year (7th Semester)

Guru Ghasidas Vishwavidyalaya Bilaspur(C.G)

Under The Guidance Of

CWM Phalgun Ray



Submitted To

Mechanical Workshop Samastipur

East Central Railway

ACKOWLEDGEMENT

In Embarking On The Project. I Had a Great Fortune Of Reciving The Help From a Host Of People To All Of Whom I Extend My Warm Greeting And Appreciate Their Effort. I Owe a Debt a Gratitude Of All Of Them Who Directly Or Indirectly Helped Me To Complete The Project.

In This Series First And Foremost I Would Like To Extend My Warm Greeting To Our Mentor **Phalgun Ray (CWM)** Who Constantly Helped Me To Clear My Doubts Gave Me Some Valuable Input Throughout His Cooperative Behaviour Encoraged Me To Build My Knowledge.

Next I Would Like To Thank all The Workers And Staff Of Mechanical Workshop, Samastipur Who Always Helped Us By Providing Valuable Information. Last But Never The Least I Would Thank My University For Providing Me An Opputunity To Assign Me an Oppurtunity To Assign me a Training Programme Which Proved To Build My Practical Knioeledge, And Enhance My Knowledge Mechanic Of Train Sand Build My Mechanical Engineering Knowledge.

CONTENTS

Serial No	Topic	
01	Types Of Welding	
02	Track Welding And Maintainanace	
03	Welding in Workshops And Rolling Stock Maintainance	
04	Welding Infrastructre	
05	Safety Protocols	
06	Challanges	
07	Case Study	
08	Enviromental And Economical Impact Of Welding Protocols	
09	Summary And Conclusion	

