

Comprehensive Training Program

A Industry Training Synopsis

Submitted to the Rajasthan Technical University

in partial fulfillment of requirements for the award of degree

Bachelor of Technology

in

Mechanical Engineering

by

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RAJASTHAN
2023 - 24



CERTIFICATE

This is to certify that the training report entitled "Comprehensive Training Program" submitted by **Chempion Sharma** [20etcme001], **Deependra Raj Singh Chouhan** [20etcme002], **Lalit Dangi** [20etcme005], **Mohammed Aeraz Khan** [20etcme006], **Mufaddal** [20etcme007], **Saloni Sharma** [20etcme008], to Department of Mechanical Engineering in partial fulfillment of the B.Tech. degree in **Mechanical Engineering** is a true and bonafide record of the training activities undertaken during the specified duration. The report is presented in partial fulfillment of the requirements for the completion of the 40 Days Training Program.

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DECLARATION

We Chempion Sharma, Deependra Raj Singh Chouhan, Lalit Dangi, Mohammed Aeraz Khan, Mufaddal, Saloni Sharma hereby declare that Industry Training Synopsis **Comprehensive Training Program**, submitted for partial fulfillment of the requirements for the award of degree of Bachelor of Technology of the Rajasthan Technical University, Kota, Rajasthan is a bonafide work done by us under supervision of Mr.Abhishek Sharma

This submission represents my ideas in my own words and where ideas or words of others have been included, I have adequately and accurately cited and referenced the original sources.

We also declare that We have adhered to ethics of academic honesty and integrity and have not misrepresented or fabricated any data or idea or fact or source in my submission. We understand that any violation of the above will be a cause for disciplinary action by the institute and/or the University and can also evoke penal action from the sources which have thus not been properly cited or from whom proper permission has not been obtained. This report has not been previously formed the basis for the award of any degree, diploma or similar title of any other University.

Udaipur
04-01-2024

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Mufaddal,
Saloni Sharma

Acknowledgement

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We, wholeheartedly thank **Dr. Raj Shekar Vyas**, Director Sir for having faith in us, selecting us to be a part of this valuable Training Program and for constantly motivating us to do better.

We also express our warm gratitude towards **Azad Mohammed Sir** the owner of **Pink Engineering Corporation** for their aspiring guidance, invaluable constructive criticism and friendly advice during the training.

This training won't have been materialized without their encouragement and constant guidance.

We perceive this opportunity as a big milestone in our career development. We will strive to use gained skills and knowledge in the best possible way and we will continue to work on their improvement, in order to attain desired career objectives. We also hope to continue cooperation with all of you in future.

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Deependra Raj Singh Chouhan
Lalit Dangi
Mohammed Aeraz Khan
Mufaddal
Saloni Sharma

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Chapter 1

Introduction



Background of the Training Program

The 40-day intensive training conducted at **Pink Engineering Corporation**, an ISO 9001:2008 certified industrial fabrication company specializing in machine operations and custom fabrication, was a transformative experience for the participants. The training aimed to provide participants with hands-on experience and practical insights into the company's core competencies.

Objectives of the Training

The primary objectives of the training program were:

- To impart practical knowledge and skills in machine operations.
- To provide a deep understanding of custom fabrication processes as per Pink Engineering Corporation standards.
- To familiarize participants with safety protocols and quality assurance in an industrial setting.
- To enhance technical skills, problem-solving abilities, and project management capabilities within the context of industrial fabrication.

Overview of the Training Duration

The 40-day training period was strategically structured to cover various aspects of machine operations, custom fabrication, and safety protocols observed by Pink Engineering Corporation. The program included workshops, practical sessions, and interactions with industry experts from Pink Engineering Corporation.



Chapter 2

Training Curriculum



Scope of the Training

The training curriculum encompassed two major components:

- **Machine Operations:** Participants gained exposure to various machine operations, focusing on safety, efficiency, and adherence to Pink Engineering Corporation's industrial standards.
- **Custom Fabrication:** The program delved into the intricacies of custom fabrication processes, emphasizing precision, quality, and compliance with Pink Engineering Corporation's certified standards.

Areas Covered

The training program covered a spectrum of areas, including:

- Understanding the fundamentals of machine operations and safety guidelines.
- Exploring the diverse aspects of custom fabrication in an industrial environment.
- Developing skills in adhering to quality assurance and certification standards.
- Applying theoretical knowledge to practical projects aligned with Pink Engineering Corporation's expertise.



Training Methodology

The training methodology employed a combination of theoretical sessions, hands-on workshops, and on-site experiences within Pink Engineering Corporation's facilities. This approach ensured a comprehensive understanding of theoretical concepts and their direct application in an industrial context.

Importance of the Training Program

The training program held immense significance in bridging the gap between theoretical knowledge and practical application within the operations of Pink Engineering Corporation. It provided participants with a unique opportunity to immerse themselves in the day-to-day activities of an industrial fabrication setting, aligning with Pink Engineering Corporation's commitment to excellence.



Chapter 3

Learning Goals and Objectives

Personal Development Goals

The training program aimed at personal development by:

- Cultivating a mindset of continuous learning and adaptability within Pink Engineering Corporation's dynamic industrial environment.
- Improving problem-solving abilities in real-world industrial contexts, emphasizing efficiency and precision.
- Enhancing communication and collaboration skills within a professional workshop setting.

Professional Skill Enhancement

Professional skill enhancement was a core objective, focusing on:

- Developing proficiency in machine operations, ensuring safety and efficiency according to Pink Engineering Corporation's protocols.
- Gaining expertise in custom fabrication processes, emphasizing precision and adherence to quality standards.

Practical Exposure Gained

The training provided practical exposure in:

- Understanding the workflow of machine operations in an industrial fabrication environment.
- Mastering the intricacies of custom fabrication, adhering to Pink Engineering Corporation's quality assurance standards.

Chapter 4

Projects and Practical Assignments

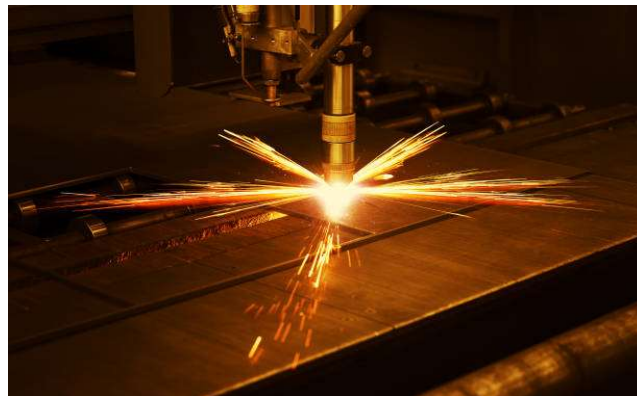


The training program incorporated practical assignments that directly aligned with Pink Engineering Corporation's expertise:

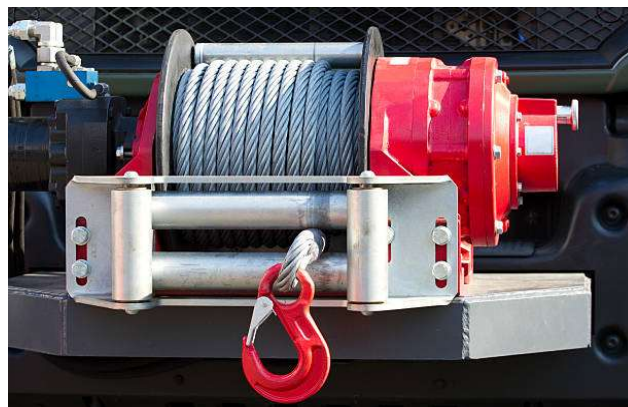
Project 1: Machine Operations Proficiency

Project Description:

Participants engaged in hands-on machine operation tasks, focusing on efficiency, safety, and adherence to Pink Engineering Corporation's standards. This project aimed to enhance participants' practical skills in handling industrial machinery.



Picture: CNC and Plasma Cutting



Picture: Winch Machine

Challenges Faced and Overcome:

Challenges encountered during this phase included:

- Adapting to different types of machinery within Pink Engineering Corporation's facilities.
- Ensuring strict adherence to safety protocols during machine operations.

Lessons Learned:

Through overcoming challenges, participants learned:

- The importance of adaptability and quick learning in an industrial setting.
- The critical role of safety protocols in machine operations within Pink Engineering Corporation.

Project 2: Custom Fabrication Application

Project Description:

The second project involved applying custom fabrication processes under the guidance of Pink Engineering Corporation's experts. Participants gained practical insights into precision engineering, quality control, and adherence to industry standards.







Challenges Faced and Overcome:

Challenges encountered in this project included:

- Achieving precision in custom fabrication, meeting Pink Engineering Corporation's quality benchmarks.
- Understanding and implementing specific project requirements.

Lessons Learned:

Key lessons from this project included:

- The importance of precision and attention to detail in custom fabrication.
- The significance of adhering to industry standards and Pink Engineering Corporation's quality assurance protocols.

Chapter 5

Conclusion



In conclusion, the 40-day training program at Pink Engineering Corporation provided participants with valuable insights and practical experience in machine operations and custom fabrication. The program was designed to align with Pink Engineering Corporation's commitment to excellence, safety, and adherence to industry standards. Participants gained a deep understanding of the day-to-day operations within Pink Engineering Corporation's facilities, contributing to their personal and professional development in the field of industrial fabrication.