

Course Designed by:
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CERTIFICATE COURSE IN WELDING



CHHOTU RAM ARYA COLLEGE
SONIPAT

131001

Established in 1951

Programme Overview

This programme has been developed in collaboration with the **SAROHA Steel Works** and **C.R. A College, Sonipat** . The programme is intended to provide basic knowledge and technical skills in the areas of Welding. The programme also aims to develop human resource in the area of Welding. The knowledge imparted shall facilitate better management of welding work in scientific lines which in turn will improve their productivity and increase their income.

About the Programme:

This Certificate Course in Welding work has been designed for beginners and mid-range professional. This certificate course is a mechanical engineering course. This certificate course will involve mechanical process and include carbon steel, stainless steel, aluminum etc. among the welding type which are used are shielded metal arc welding, Gas metal arc welding, Gas tungsten welding, etc. Through this course, the students will learn few things about quality assurance and control, inspection and testing, supervision, factory training etc. The students will be equipped with computer software application skills. The module is designed to train technicians for electric wiring work.

Objectives:

The main objective of the programme is intended to:

1. The primary objective of the course is to develop a skilled workforce of Welding work.
2. To provide the knowledge and practical skills require in welding work and other allied operations.
3. To provide practical skills in Welding work system.
4. To help human resource to become a good welder
5. To guide them how to finish various jobs within specified time and resource limits by appropriate methods and tools.

Programme Structure :-

- Module 1: Introduction to Oxyacetylene Welding (OAW) and Shielded Metal Arc Welding (SMAW) Practices
- Module 2: Basics of Welding and Cutting Processes
- Module 3: Welding Design and Symbols
- Module 4: Weld Defects and NDT
- Module 5: Welding Procedures and Specification
- Module 6: Welding Safety
- Module 7: Welding Management
- Module 8: Cost estimation in Electric Wiring Work
- Module 9: 10 days Internship

Eligibility: 12th Pass

Programme Duration

The duration of the course is 17 days. Seven Days Theory classes and 10 days Practical internship at Saroha Steel Works, Rathdhana Road, Sonipat.

Registration

The registration dates for this programme run and manage by the college and are updated timely on the college website.

Job Opportunities:

1. As Welder
2. As Welder in small scale manufacturing industry
3. As Service technician with domestic appliance manufacturer
4. As Self employment, can start welding shop
5. As Entrepreneur, can start a small scale manufacturing unit.

Counselling sessions:

The programme has theoretical and practical components. An equal weightage has been given to theory and practical components. The participation in the practical session is an integral part of the programme. 75% attendance in the theory component is compulsory to appear in the practical component. The theory sessions will be held in the college premises and the practical session will be conducted at the premises of our knowledge partner.

Additional Information:

The additional information about the programme and the admission details are available at college website – www.cracollegesonepat.org

For further information, kindly contact:

Name:- Mr. Satish Kumar

Designation: Programme Coordinator

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