

Course Title: Installation, repairing and maintenance of Industrial Refrigeration System.

Section Heading		Content Guidelines
1.	Course Rationale	This course is designed for ITI/Diploma/B. Tech Students who wish to acquire knowledge in Industrial Refrigeration System and along with hands on practice. This will cover vacuum, charging, recovery of refrigerant and joining process of copper tube and also know how to install, repair and maintenance of Industrial Refrigeration System.
2.	Course Details	<p><u>Objective:</u></p> <ul style="list-style-type: none"> • The Course includes hands on practice of various type of fabrication process of copper tube (Flaring, Swaging, bending and brazing). • This course is designed to introduce participants to the basic installation, repairing and maintenance of Industrial Refrigeration System. • Participants will be engaged in multiple carefully designed jobs for hands on practice to learn the process effectively. <p><u>Training Outcomes:</u></p> <p>At the end of this lesson, trainees should be able to:</p> <ul style="list-style-type: none"> • Define copper tube. • Explain types and qualities of copper tubes. • Explain cutting and reaming procedure of copper tube. • Perform bending of copper tube. • Follow Safety precautions to be observed during cutting and reaming. • Perform joining methods of copper tube (Flaring, Swaging and brazing). • Fabricate refrigeration cycle of Industrial refrigeration system. • Install Industrial refrigeration system. • Perform leak test, vacuum, recharge and recovery refrigerants to Industrial refrigeration system. • Perform maintenance work related with Industrial refrigeration system.
3.	Certification	<ul style="list-style-type: none"> • The certification will be done by WSC, Bhubaneswar. • Criteria: (a) 100 % attendance (b) 50% score in practical assignments
4.	Entry requirement	ITI/Diploma/ B. Tech (Both passed-out & continuing students) from any trades and branches.
5.	Batch Size	20
6.	Duration	5 days
7.	Time	10 AM to 5 PM
8.	Course Fee	1000/- per participant
9.	Name & contact No. of course director	Kantiranjan Sahoo, Mob No-7064880537

