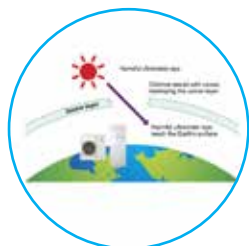


FTAC MOBILE APP



INTRODUCTION



Due to increase in per capita disposable income, changing consumer lifestyle and hot & humid climate, demand of Air-Condition and Refrigeration is continuously growing in the country. FTAC app is designed to educate the participants on various types of refrigerant and solvent used in air-conditioning and refrigeration industry. It also explains two most important aspect of the chemical used in this industry i.e. Global Warming Potential (GWP) and Ozone Depletion Potential (ODP) so that participants working in Manufacturing or Service areas of refrigeration and air-conditioning industry can understand the environmental impact of these chemicals and also health hazards associated with it while handling. It also explains "Montreal protocol" so that participants can understand Govt. of India's plan to phase out consumption of Carbon Tetra Chloride and other Ozone depleting substances. Various tools and equipment used in installation and maintenance is explained along with technical operation like tubing technique. Installation and servicing of window and split AC has been covered explicitly.

Field Technician Refrigeration & Air Conditioning (FTAC)



FOLLOWING CONTENT HAS BEEN INTEGRATED WITH APP

- » Types of Refrigerant, chemicals used in the various types of refrigerant and their global warming and Ozone depletion potential
- » Types of solvent used in RAC industry, chemicals used in solvent and their health and environmental impact
- » Environmental Impact of CTC
- » Tools and equipment
- » Copper Tubing Operations
- » Window and split AC - Basic circuits, wiring & Installation
- » Alternative refrigerants and Safe Handling of flammable refrigerant
- » Service Process - Window & Split AC
- » RAC system contamination and cleaning process
- » Good Working Practice
- » First Aid procedure



IMPLEMENTED BY





ORGANIZATION OF CONTENT

For ease of content access it has been classified as Modules, Units and Topics. Apart from text explanation good quality images and narrative voice over audio is integrated along with the text for ease of understanding. Video clips are also integrated wherever applicable.

ESSCI.FTAC is working on online installation and offline execution thus once the content is downloaded on mobile phone it stay back in the participant mobile phone memory so that they can access it as and when they want without internet connection. It maintains content download logs for monitoring of participants. Online assessment feature is also integrated for self testing of knowledge. Participants are also having provision for sending their feedback related to app or content. This is a secured app thus cannot be copied or shared from one mobile phone to other mobile phone even the content downloaded cannot be copied.

INTERACTIVE SUPPORT MODULE

This module provides ease of access to the end user. As and when they have the query it can be immediately addressed by the Subject matter Expert who would receive the question and respond to the participant only or may open it for the close group to know and react on the query and it's response. The communication channels are Text, Images, Audio & Video.

INTERACTIVE MODULE FOR ASSESSMENT

In order to do practical assessment, App. provides for the ability for the assessor while in the field to respond to the assessment criteria and also take the picture of the center. This information is being directly uploaded to our on-line learning platform "Maharishi Augmented Reality System - MARS"



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