

Electronics

Introduction of the Sector

The Indian electronics industry is one of the largest and fastest - growing industries in the world. Electronics manufacturing industry in India is growing at a much faster pace due to the ever - growing demand for consumer electronics, IT and telecom goods. India is an attractive hub for foreign investments in the manufacturing sector as well. Several mobile phones, luxury and automobile brands, among others, have set up or are looking to establish their manufacturing bases in the country. Here rises the demand for skilled professional Electronics Manufacturing Service providers.

B. Voc. in Refrigeration and Air Conditioning

Course Introduction

B. Voc. in Refrigeration and Air Conditioning Technology course is to provide a broad introduction to air conditioning and refrigeration systems, including everyday operation & important refrigerant safety practices. The course is a great overview for maintenance technicians, multi-craft tradespeople, building managers, HVAC technicians or anyone seeking to improve their RAC operation and maintenance skills.

Students are taught common practices and some tricks-of-the-trade for general operation and maintenance of their RAC systems. They will learn about maintenance schedules and servicing, system diagnostics, troubleshooting and fine-tuning to gain maximum efficiency. The course also covers an introduction to commercial and industrial chillers, regulatory laws and energy conservation.

Eligibility for Admission

The eligibility for admission to B. Voc. in Refrigeration and Air Conditioning Technology shall be 10+2 or equivalent, in any stream.

Career Prospects

B. Voc. in Refrigeration and Air Conditioning Technology industry is on a fast track growth trajectory, provides very dynamic and exciting careers with many different job opportunities such as: Refrigeration and Air Conditioning Managers, Refrigeration and Air Conditioning Engineers, Refrigeration and Air Conditioning Installers, Refrigeration and Air Conditioning Mechanics, Sales and Marketing Representative, Service Technician, Field Engineer.

Semester-wise Listing of Courses

Semester	Subject Code	Subject Name	Credits
I	GE 1.1	Functional English	4
	GE 1.2	Communication Skills - I	4
	GE 1.3	Computing Skills - I	4
	VE 1.1	Fundamentals of Electricity/Electronics and Basic Physics	2
	VE 1.2	Introduction to Refrigerators	2

		A. Domestic Applications B. Commercial Applications C. Modern Technologies & Developments	
	VE 1.3	Installation & Maintenance/Service, Emergency actions and First-Aid/Safety (Refrigerator)	2
	VPE 1	Vocational Practical	12
II	GE 2.1	Basics of Economics and Markets	4
	GE 2.2	Environment Sciences	4
	GE 2.3	Ethics and Governance	4
	VE 2.1	Introduction to Air Conditioners and Comfort Cooling: A. Domestic Applications B. Commercial Applications C. Modern Technologies & Developments	4
	VE 2.2	Safety Precautions, Installation & Maintenance/Service	2
	VPE 2	Vocational Practical	12
III	GE 3.1	Communication Skills II	4
	GE 3.2	Financial Literacy	4
	GE 3.3	Basics of Legal and HR Policies	4
	VE 3.1	New Technologies and Diagnosis & Repairing of Refrigerators	4
	VE 3.2	New technologies & Developments in Air Conditioners	2
	VPE 3	Vocational Practical	12
IV	GE 4.1	Computing Skills - II	4
	GE 4.2	Basics of Accounting	4
	GE 4.3	Design Thinking	4
	VE 4.1	Diagnosis & Repairing of Air Conditioners	2
	VE 4.2	Basic Components of Commercial Refrigeration System	4
	VPE 4	Vocational Practical	12
V	GE 5.1	Digital Literacy	4
	GE 5.2	Health and Wellness	4
	GE 5.3	Personal Grooming	4
	VE 5.1	Commercial Applications of Refrigerators	2
	VE 5.2	Commercial Applications of Air Conditioners - I	4
	VPE 5	Vocational Practical	12
VI	GE 6.1	Entrepreneurship	4
	GE 6.2	Employment Readiness	4
	GE 6.3	Effective Workplace Skills & Competencies	4

VE 6.1	Commercial Applications of Air Conditioners - II	2
VE 6.2	Commercial Air Conditioner Controls & Operations	4
VPE 6	Vocational Practical	12

Programme fees: Rs. 30,000/-per annum

Examination fees: Rs.1,600/- per semester and Rs.3200 per annum

Caution Deposit (Refundable): Rs.5000

