

# 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 Office Automation Devices

### Course Introduction

Students will acquire technical skill for developing embedded based Industrial Automation and Electronic Circuit Development. They will develop strong technical knowledge for establishing instrumentation-based automation system in various industries. Students can acquire job in Soldering, Calibration, Instrumentation, Piping, PLC, Virtual Instrumentation as Embedded Technician / Supervisor / Manager / Engineer after successfully completing the course.

### Eligibility for Admission

The eligibility for admission to B. Voc. in office Automation Devices shall be 10+2 or equivalent, in any stream.

### Career Prospects

The career prospects after completing B. Voc. in Office Automation Devices are working as Administrative Assistant, Supervisory Level Positions, Office Manager, Data Governance Analyst, Computer Operator, Store Manager, Admin Executive, Office Automation Clerk, Office Automation Technician and Office Automation Analyst.

### 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 Biometric Machines, Security Camera with Backup Storage and RFID Tags	2
	VE 1.3	Introduction to IRIS Scanner, Fire Alarm, Burglar Alarm and Electronic Locks & Safes	2
	VPE 1	Vocational Practical	12

<b>II</b>	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 Printer, Scanner, Photocopier, LED/LCD Projector and Video Conferencing Equipment	4
	VE 2.2	Introduction to Audio System, Sensor Based Lighting and Automatic Doors	2
	VPE 2	Vocational Practical	12
<b>III</b>	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	Fundamentals of Computer Hardware	2
	VE 3.2	Installation of PC, Peripheral Devices, OS, Drivers & Basic Software	2
	VE 3.3	Maintenance and Troubleshooting of Peripheral Devices	2
	VPE 3	Vocational Practical	12
<b>IV</b>	GE 4.1	Computing Skills - II	4
	GE 4.2	Basics of Accounting	4
	GE 4.3	Design Thinking	4
	VE 4.1	Introduction to Mobile	4
	VE 4.2	Introduction to 3D Printing and Solid State Inverters	2
	VPE 4	Vocational Practical	12
<b>V</b>	GE 5.1	Digital Literacy	4
	GE 5.2	Health and Wellness	4
	GE 5.3	Personal Grooming	4
	VE 5.1	Basics of Network & Devices	4
	VE 5.2	Installation of Networking Devices	2
	VPE 5	Vocational Practical	12
<b>VI</b>	GE 6.1	Entrepreneurship	4
	GE 6.2	Employment Readiness	4

GE 6.3	Effective Workplace Skills & Competencies	4
VE 6.1	Maintenance and Troubleshooting of Networking Devices	4
VE 6.2	Brief Overview of MS Office	2
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

