

## Teaching and Training

Students will gain knowledge and skills related to various tasks for the job role of Field Technician Computing and Peripherals through classroom teaching, practical training in Lab, exposure to activities during field visits and on-the-job training.

## Job Opportunities

Computer Technician, Field Technician, Computer AMC, Maintenance Technician.

## Related Websites

### About Sector:

<https://www.essc-india.org>

### About Higher Education

<https://www.ugc.gov.in>

### About Curriculum and Courseware

<https://www.psscive.ac.in>

### About Apprenticeship Training

<https://www.apprenticeshipindia.gov.in>

### About Career Opportunities

<https://www.ncs.gov.in>



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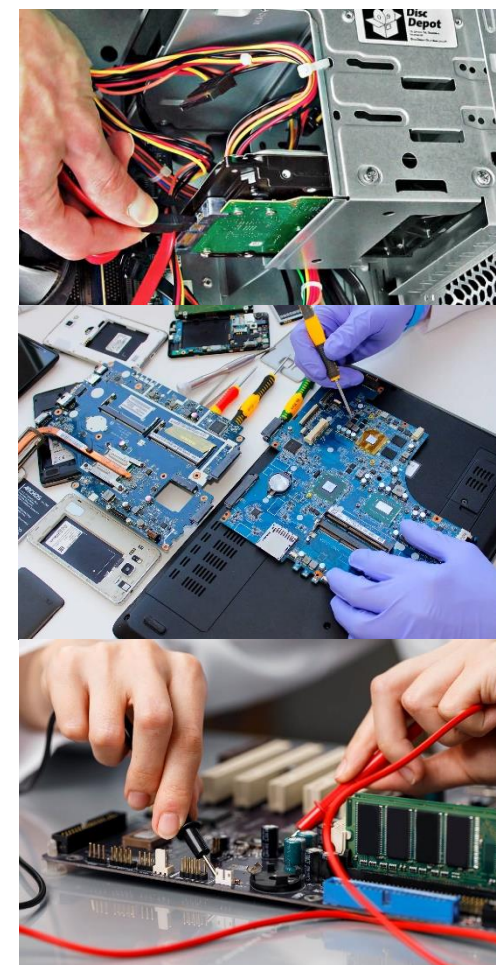
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## Field Technician Computing and Peripherals

**(Grades 11 & 12)**

**QP Code: ELE/Q4601**





## Introduction

**Vocational subjects** are being offered along with general education subjects from Grades 9 to 12 under the scheme of *Samagra Shiksha*. The Ministry of Education, Government of India is implementing *Samagra Shiksha* in schools.

The curricula and textbooks for the vocational subjects have been developed by the PSS Central Institute of Vocational Education (PSSCIVE) as per the National Occupation Standards for the Job Roles approved under the National Skills Qualifications Framework (NSQF) in various sectors.

## About the Sector

**Electronics Sector** include jobs and businesses in Computer hardware installation, Television, Home Appliances, and Smart phones. The uprise of IoT and networks are providing drive to the fast-growing adoption of electronic products. The sub-sectors are IT Hardware, Consumer Electronics, PCB Manufacturing & Assembly, Communication & Broadcasting, Semiconductor Design, Industrial Electronics and Medical Electronics.

## About the Job Role

Field Technician Computing and Peripherals needs to possess knowledge and skills in Electronic components, Computer Assembly, Installation of Computer Hardware such as Motherboard, RAM modules, Hard Drive, Network devices, and Peripherals such as Printer, Scanner. He/She should also know installation, configuration and troubleshooting of Operating System such as Windows and Linux. He/She work as Computer Technician for these tasks.

## Minimum Qualifications

The candidate should have passed Grade 10, possesses the ability to read/write and communicate effectively.

## Course Outline

### Grade 11

Part A	Employability Skills
Unit 1	Communication Skills III
Unit 2	Self-management Skills III
Unit 3	Information and Communication Technology Skills III
Unit 4	Entrepreneurship Skills III
Unit 5	Green Skills III
Part B	Vocational Skills
Unit 1	Basic Electronics and Computer Hardware Essentials
Unit 2	Installation and Configuration of Desktop Operating System
Unit 3	Computer Maintenance and Troubleshooting
Unit 4	Occupational Health and Safety

### Grade 12

Part A	Employability Skills
Unit 1	Communication Skills IV
Unit 2	Self-management Skills IV
Unit 3	Information and Communication Technology Skills IV
Unit 4	Entrepreneurship Skills IV
Unit 5	Green Skills IV
Part B	Vocational Skills
Unit 1	Computer Network Essentials
Unit 2	Installation and Configuration of Windows Server
Unit 3	Installation and configuration of Linux Server
Unit 4	Computer Network Maintenance and Troubleshooting
Unit 5	IT Security and ITIL