

Teaching and Training

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

Job Opportunities

Field Technician Wireman
Control Panel, Control Panel
Assembly Technician, Wireman

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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Field Technician Wireman Control Panel

(Grades 11 & 12)

QP Code: ELE/Q7302





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 Wireman Control Panel reads the wire diagram and design and do the wiring of all components present within the panel as per the diagram specifications provided by the design engineering team. They installs and repairs electrical wiring, systems, and fixtures in buildings, installs circuit breakers and other electrical hardware and connects wiring to them. They must possess the ability to work in high-decibel noise environment and in a standing position for long hours.

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	Basics of Electrical and Electronics
Unit 2	Electrical Safety and Hazards
Unit 3	Tools and Equipment
Unit 4	Cabling and Wire Preparation
Unit 5	Electromechanical Assembly

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	Generation, Transmission and Distribution of Electrical Power
Unit 2	Installation and Troubleshooting Electrical Control Panel
Unit 3	AC Drive, PLC and Switchboard in Control Panel
Unit 4	Testing and Measurement in Electrical Panel
Unit 5	Safety Measures and Hazard