

## Teaching and Training

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

## Job Opportunities

Optical Fiber Splicer, Optical Fiber Technician, Optical Fiber Installation

## Related Websites

### About Sector:

<https://www.tsscindia.com>

### 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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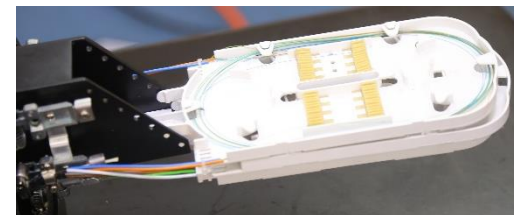
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## Optical Fiber Splicer

(Grades 9 & 10)

QP Code: TEL/Q6400





## 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

**Telecom Sector** consists of three basic sub-sectors as Telecom equipment, Telecom services, and Wireless communication. Telecom services include fixed-network services and mobile services. India is currently the 2<sup>nd</sup> largest telecommunication market and has the 3<sup>rd</sup> highest number of internet users in the world. Optical Fiber plays an important role in the speed in data communication services. Optical Fiber Splicer and Optical Fiber Technician are the important job roles that would be preparing the workforce in Telecom Sector.

## About the Job Role

Optical Fiber Splicer is responsible for ensuring efficient splicing of the optical fibre cables and supports in optical fibre installation. He/She should possess knowledge and skills of using splicing machine and tools - OTDR and power meter for testing the splicing. He/She should possess the knowledge of fundamentals of optical engineering, mechanical aptitude, technical, analytical, and problem-solving skills. He/She should also possess soft skills, color vision and physical strength to perform the task.

## Minimum Qualifications

The candidate should have passed Grade 8, possesses the ability to read/write and communicate effectively.

## Course Outline

### Grade 9

Part A	Employability Skills
Unit 1	Communication Skills I
Unit 2	Self-management Skills I
Unit 3	Information and Communication Technology Skills I
Unit 4	Entrepreneurship Skills I
Unit 5	Green Skills I
Part B	Vocational Skills
Unit 1	Communication Technology
Unit 2	Splicing Tools and Equipment
Unit 3	Splicing Operations
Unit 4	Optical Fiber Testing
Unit 5	Maintain Health and Safety

### Grade 10

Part A	Employability Skills
Unit 1	Communication Skills II
Unit 2	Self-management Skills II
Unit 3	Information and Communication Technology Skills II
Unit 4	Entrepreneurship Skills II
Unit 5	Green Skills II
Part B	Vocational Skills
Unit 1	Fiber Optic Communication and Route Inspection
Unit 2	Splicing Tools and Process
Unit 3	Cable laying and Installation
Unit 4	Testing Installation of OFC
Unit 5	Health & Safety Measures and Networking