Teaching and Training

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

Job Opportunities

Junior Software Developer, Trainee Programmer, Assistant for Coding and Debugging,

Related Websites

About Sector:

https://www.sscnasscom.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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www.psscive.ac.in

Junior Software Developer

(Grades 11 & 12)

QP Code: SSC/Q0508





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

IT-ITeS Sector is divided into four major segments – IT services, Business Process Management (BPM), software products and engineering services, and hardware. It provides the various job roles for school education, such as Domestic Data Entry Operator, CRM Domestic Voice, Domestic Biometric Data Operator, Junior Software Developer and Web Developer are in high demand.

About the Job Role

Junior Software Developer is a entry level programmer assisting software development team for coding, debugging, compiling and software design tasks throughout the development of software. They posses strong analytical and problem-solving skills, logical understanding and ability to solve the problem in programming languages such as Python, SQL. They can develop their skills in futuristic programming languages and undertake the course on Software Developer. They are highest paid IT professionals.

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	Software Construction Essentials
Unit 2	Operating System and Computer Network
Unit 3	Python Programming
Unit 4	Data Structure
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	Relational Database Management System – MySQL
Unit 2	Advanced Python Programming

Software Engineering

Emerging Trends and Social Impact

Unit 3

Unit 4