

Academic Year (2025-26)

Subject -

Digital Design and Development

Class - XI

Syllabus

Digital Development

(VOCATIONAL STREAM)



PUNJAB SCHOOL EDUCATION BOARD

Content:

Unit	Unit Name	Session Name	Competencies Covered	Hours
Unit 1	Hello World	Introduction to Mobile & Web Environments	9.1	30
		Use cases of website & apps	9.2	
		Getting started with 9.1no-code tools	9.1	
Unit 2	My First No-Code Website	Design to Development Process	1.3	30
		My First Blog Website	9.2	
Unit 3	Website Customisation	Test of a Website	12.1	30
		Analytics of Test Results	9.2	
		Website Customisation	12.4	
Unit 4	Getting Started with App Development	App Development Overview	9.1	30
		My First No-Code App	9.2	
		Testing and Iteration of No-Code Apps	11.1, 11.2	
Unit 5	Launching the Product	Understanding Domain and Web-hosting	13.1	30
		Publishing Websites	13.1	
		Managing App Hosting	13.2	

Curricular Goals and Competencies:

The curricular goals and competencies for digital development are as follows:

1. Curricular Goal 9: Understands potentials of no code platforms for mobile and web environments.

Competency 9.1: Develops an understanding of potentials of contemporary and prevalent no code platforms.

Competency 9.2: Demonstrates use of no code platforms to develop mobile apps and websites as per the design requirements.

2. Curricular Goal 10: Develops understanding of low code platforms and their computing languages

Competency 10.1: Becomes aware of limitations of low code and need for low code platforms.

Competency 10.2: Selects appropriate low code platforms for specific design requirements.

3. Curricular Goal 11: Develops knowledge and skills for functional testing of mobile and web applications.

Competency 11.1: Creates testing pipelines and implements them.

Competency 11.2: Documents and presents the test results.

4. Curricular Goal 12: Applies knowledge to convert design into development skeleton.

Competency 12.1: Understands UI design to develop a skeleton.

Competency 12.2: Describes UI components and features of app and websites.

Competency 12.3: Implements visual programming.

Competency 12.4: Develops ability to style and customise pre-developed components to achieve desired outcomes.

5. Curricular Goal 13: Demonstrates ability to launch websites.

Competency 13.1: Develops knowledge of launching a website.

Competency 13.2: Demonstrates ability to publish a mobile app.

6. Curricular Goal 14: Demonstrates teamwork and presentation skills.

Competency 14.1: Demonstrates empathetic communication skills at visual and verbal levels.

Competency 14.2: Develops the attitude and skills of collaboration and teamwork.