

Competency Statements For Information Technology Standard - XII (All Streams)

Competency

Theory

1. To create awareness and acquire knowledge about new technology.
2. To acquire in-depth knowledge about technologies related to AI, IOT, 3D Printing, 5G.
3. To enable the student to think and create interest in emerging technology from career point of view.
4. To make students aware about concept of E-commerce.
5. To acquire knowledge about scope of E-commerce.
6. To create awareness about different E-commerce websites and discuss its features.
7. To develop higher order logical skills based on basic knowledge acquired in 11th standard.
8. To make students aware about HTML5's advanced tags while developing web page.
9. To make students competent in scripting language to create dynamic web page.
10. To acquire knowledge about concept of object.

Skill Oriented Practicals (SOP)

1. To inculcate web designing skills using advance tags.
2. To make students confident to create website.
3. To develop skills for programming using DOM.
4. To develop ability to create dynamic web pages using advance features.
5. To develop ability to program for server side scripting.
6. To develop skill to create simple PHP Program.
7. To make student aware about connectivity with database.
8. To develop skill in handling accounting package with advance feature.
9. To make student competent to display and print different accounting report.
10. To acquire skills in recording and manipulating audios.
11. To make student skillful to mix audio.
12. To acquire skills to record, create and manipulate video.
13. To enhance the creative ability by mixing and fusion of the different media.

INFORMATION TECHNOLOGY

STANDARD - TWELVE

(Science)



INDEX



No.	Title of the Chapter	Page No
1	Advanced Web Designing	1
2	Introduction to SEO (Search Engine Optimization)	27
3	Advanced Javascript	35
4	Emerging Technologies (IOT, Cloud computing, AI,5G)	53
5	Server-Side Scripting (PHP)	59
6	E-Commerce and E-Governance	79

Skill Oriented Practicals (SOP)

1.	Advanced Web Designing	91
2.	Advanced Javascript	94
3.	Server-Side Scripting (PHP)	96