



Curriculum of Certificate
Courses for the Year **2021-2022**

Curriculum of Certificate course in Microsoft Upskilling

Microsoft Upskilling HTML5 Application Development Fundamentals

Curriculum

Unit-1 Manage the Application Life Cycle

- ❖ Understand the platform fundamentals.
- ❖ Manage the state of an application.
- ❖ Debug and test an HTML5-based touch-enabled application.
- ❖ Publish an application to a store.

Unit-2 Build the User Interface by Using HTML5

- ❖ Choose and configure HTML5 tags to display text content.
- ❖ Choose and configure HTML5 tags to display graphics.
- ❖ Choose and configure HTML5 tags to play media.
- ❖ Choose and configure HTML5 tags to organize content and forms.
- ❖ Choose and configure HTML5 tags for input and validation.

Unit-3 Format the User Interface by Using CSS

- ❖ Understand the core CSS concepts.
- ❖ Arrange user interface (UI) content by using CSS.
- ❖ Manage the flow of text content by using CSS.
- ❖ Manage the graphical interface by using CSS

Unit-4 Code by Using JavaScript

- ❖ Manage and maintain JavaScript.
- ❖ Update the UI by using JavaScript.
- ❖ Code animations by using JavaScript.
- ❖ Access data access by using JavaScript.
- ❖ Respond to the touch interface.
- ❖ Code additional HTML5 APIs.
- ❖ Access device and operating system resources

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Curriculum of Certificate course CISCO NET Academy EDU Skills

CISCO NET Academy EDU SKILLS Certificate Course

Cyber security essentials Curriculum

Chapter-1

- ❖ Cyber security – A Word of Experts and Criminals

Chapter – 2

- ❖ Cyber security – A Word of Experts and Criminals

Chapter – 3

- ❖ Cyber security Threats, Vulnerabilities and Attacks

Chapter – 4

- ❖ The Art of Protecting Secrets

Chapter – 5

- ❖ The Art of Ensuring Integrity

Chapter – 6

- ❖ The Five Nines Concept

Chapter - 7

- ❖ Protecting a Cyber security Domain

Chapter – 8

- ❖ Becoming a Cyber security Specialist

Get Connected Course Curriculum

Module-1

- ❖ Basic Computer Knowledge

Module – 2

- ❖ Directions and Files

Module – 3

- ❖ The Internet

Module- 4

- ❖ Exploring the Human Network

Module -5

- ❖ Stay Connected




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Curriculum of Certificate course in Human Rights

CERTIFICATE COURSE – HUMAN RIGHTS

SYLLABUS

Learning outcomes:

After completion the course student will be able to:

- ❖ Acquire conceptual clarity and develop respect for Human Rights.
- ❖ Know the evolution of human rights.
- ❖ Understand the core principles of human rights philosophy.
- ❖ Recognize the importance of various important human rights documents.
- ❖ Identify how different human rights are protected.

Module I (8 Hours)

1. Historical Legacies – Civil Liberties Movements during Freedom Struggle in India; and Making of the Chapter on Rights by the Constituent Assembly.
2. Constitutional Vision – Fundamental Rights and Directive Principles; and Power of Courts and Human Rights.

Module II (12 Hours)

1. Understanding Human Rights
2. United Nations and Human Rights
3. Human Rights and NGOs.

Module III (05 Hours)

1. Enforcement of Human rights – Human Rights Commissions
2. Enforcement of Human Rights – Special Commissions for Weaker Sections

Module IV (05 Hours)

1. Threats to Human Rights – Para Statal Groups; Social Institutions and States
2. Charter of Human Rights



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Curriculum of certificate course in PHP

Syllabus

Learning outcomes:

- ❖ How to use PHP's built-in server to serve static resources
- ❖ How to use PHP to add some dynamic aspects to our pages
- ❖ How to use PHP Conditional Statements
- ❖ How to use PHP Loops
- ❖ How to develop PHP code using Functions

UNIT I(8 Hours)

Introduction to PHP: Web Architecture, Overview of PHP Platform, Origins of PHP in the open source community why we use PHP? , Some of PHP's strengths.

UNIT II(8 Hours)

PHP language building blocks: Comparing PHP with other Web scripting languages or technology, Installation of PHP, PHP delimiters, Variable initialization with PHP , PHP Data types ,PHP Constants , PHP Operators.

UNIT III(7 Hours)

Conditional Statements : If else , If else ,Nested If , Switch Case , Jump Statements (Break , Continue , Exit).

UNIT IV(7 Hours)

Looping (Iteration): For loop, While loop ,Do while loop , Nested Loop,PHP Functions.




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Curriculum of certificate course in Digital Literacy

- Using technology leads to find, evaluate, and communicate information.
- To gain skills needed to effectively explore the Internet.
- To make a person IT literate, so that he/ she can operate digital devices

Learning Outcomes

On the completion of the course a student will be able to

- Develop an intuitive sense of how computers work and how it can be used to make professional work more efficient.
- Use computer and peripheral devices to manage work efficiently and effectively.
- Know how to prepare documents, spreadsheets and digital presentation effectively.
- Browse Internet securely.

Syllabus and Allocated Hours

Modules	Sub-Topics	Theory hours	Practical hours	Total Hours
Module –I Computer Fundamentals	1. Understand basic computer concepts and its role in day today life. 2. Understand basic computer operation 3. Components of computers. 4. To know operating system 5. Common Desktop operations	6	4	10
Module – II Office Automation Packages	1. Word processor MS word 2. Spreadsheet - MS-Excel 3. Digital Presentation- MS-PowerPoint	6	6	12
Module –III Connecting to the World	1. Basic concepts of Network & Internet 2. types of Networks 3. Application of Internet 4. E-Mail (Introduction to the E-Mail) 5. Web browsers and Basic Internet Security	4	4	8
Total		16	14	30



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