

GURUKUL EDUCATIONAL AND RESEARCH INSTITUTE

DIPLOMA IN WEB DEVELOPMENT

Subject and Syllabus



2022-23

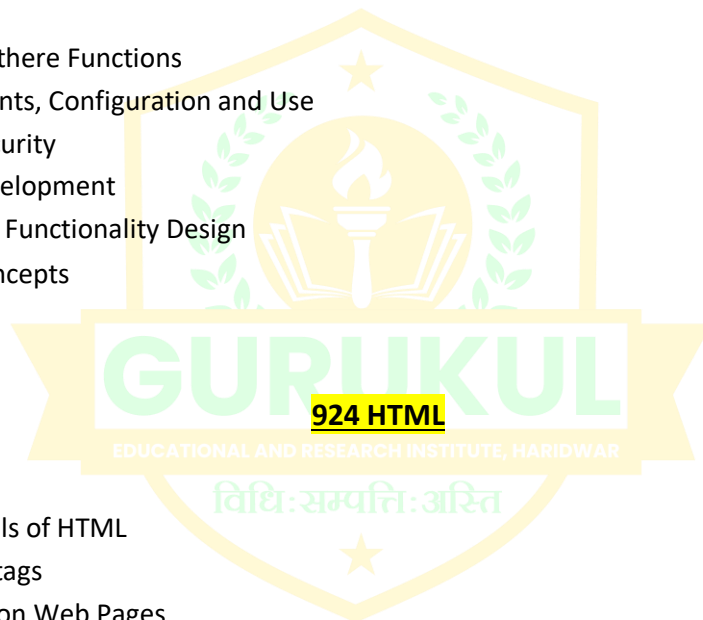
Syllabus

DIPLOMA IN WEB DEVELOPMENT

DURATION:- 1 YEAR

923 INTERNET BASICS

- Protocols
- Servers and there Functions
- Internet Clients, Configuration and Use
- Network Security
- Internet Development
- Internet Site Functionality Design
- Business Concepts



924 HTML

- Fundamentals of HTML
- Basic HTML tags
- Format text on Web Pages
- Incorporate images
- Create hyperlinks
- Create complex image maps
- Create tables and nested tables
- Insert a form on a web page
- Set, modify form field properties: text field, drop-down
- check box, radio button
- Validating HTML

925 CASCADING STYLE SHEET - CSS

- Introduction
- Designing with Style Sheets
- Style Sheet Syntax
- ID, Class Contextual Selectors
- Linked (External) Style Sheets
- Cascading Order
- Properties: Text, Font, Colors, Backgrounds, Borders
- Floating Elements
- Absolute and Relative Positioning i.e. Div's etc
- Layering Elements with the Z-Index
- Animation of objects

926 JAVASCRIPT & DOCUMENT OBJECT MODEL - DOM

- Introduction to JavaScript
- Variables and Objects
- Decision Making Statement: If, Switch
- Loops: For, While & Do While
- Arrays
- Functions and Prototypes
- Core JavaScript Objects
- DOM Introduction
- DOM Event Model
- DOM Functions i.e. Document.Write, Document.GetElementById, Document.bgColor etc

927 JQUERY

- Introduction
- Install & Configuration
- jQuery Syntax
- Selectors
- Events: Hide/Show, Fade, Slide, Animate, Stop, CSS
- jQuery Callback
- jQuery Chaining

928 EXTENSIBLE MARKUP LANGUAGE – XML

- What is XML?
- XML Benefits
- XML Holds Data, Nothing More
- XML Separates Structure from Formatting
- XML Promotes Data Sharing
- XML is Human-Readable

929 DOCUMENT TYPE DEFINITION – DTD

- Introduction
- DTD Building Blocks
- Elements & Attributes
- Entities
- Validation



- Interactivity
- Application Development Environment
- Collaboration & Productivity
- Site Management and Media
- Customizing & Extending
- Page Authoring, Design & Management