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# SIT INTERNATIONAL

## SMARTBTR INSTITUTE OF TECHNOLOGY INTERNATIONAL

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# Course Title : Basic Web Development

## Course Duration: 6 months

**Course Fees:** INR. 6,000.

**Eligibility:** 8th Pass and above

### Topic 1-2: Web Technologies

- What is Internet?
- IP address, TCP/IP, IPV4, IPV6, WWW, Website and its type, Webpage, FTP, HTTP, HTTPs, URL, DNS, Server, Web Browser, Digital mail, Online Calling, Video Conference.
- HTML5 basics
  - Tags, Elements, Attributes, Headings, Paragraphs, Links, Images, Lists, Video, Tables, Forms

**Practice:**

- Build a basic personal portfolio using only HTML

### Topic 3-4: CSS (Styling Websites)

- Introduction to CSS3
- Inline, Internal, and External CSS
- Selectors, Colors, Fonts
- Box Model (margin, padding, border)
- Flexbox and Grid Layout
- Responsive Design with Media Queries
- Framework Bootstrap

**Practice:**

- Design responsive static portfolio with using Bootstrap.

### Topic 5-6: Introduction to PHP and JavaScript (Basic Programming for Web)

- Introduction
- Variables, Data Types, Keywords
- Functions, Events, DOM Manipulation
- Arrays and Objects
- Basic Form Validation
- What is an operator?
- Importance of operators in programming and database.
- Types of operator

### Topic 7-8: Introduction to Databases

- What is a database?
- Importance of databases in software & web development
- DBMS, RDBMS
- Types of databases: Relational vs Non-Relational
- Understanding Tables, Rows, Columns, Tuples, Relation
- Primary Key, Foreign Key, Alternate Key.

### Topic 9-10: Introduction to MySQL & Basic Queries

- What is MySQL?
- Installing MySQL & using tools (MySQL Workbench)

Activities(Basic Queries): Create Database, Create tables, Insert, Update, Alter, Drop

### Topic 11-12: Loops

- What is a loop?
- Why are loops important in programming?
- Types of loops overview:
  - for
  - while
  - do...while
- Syntax of each loop

### Topic 13-14: IF...Else Statements, Switch

- Introduction
- If, else, If..else if, nested if, nested else
- Switch case

## Topic 15-16:  SOCIAL AWARENESS IN IT

- Introduction
- dIgItal FootprInt, dIgItal socIety and netIzen, Net Etiquettes, Communication Etiquettes, Social Media Etiquettes, data protectIon, Intellectual Property Right (IPR), Licensing, Violation of IPR, Public Access and Open Source Software, cyber crIme, Hacking, Phishing and Fraud Emails, Ransomware, Combatting and Preventing Cyber Crime, IndIan InFormatIon technology act (IT act), e- waste : hazards and management, Impact of e-waste on environment, impact of e-waste on humans, E- waste Management in India, Impact on health.

**Contact Us For More Info**

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