

ADVANCE EDP - 8 Weeks

1. 'C' PROGRAMMING

- Introduction to data types, variables
- Loops, conditional control
- Functions
- Arrays

2. DATABASE MANAGEMENT CONCEPTS

- Introduction to Database Management System (DBMS)
- Types and components of DBMS
- Advantages of DBMS
- Database Design
- Normalization of Data

3. STRUCTURED QUERY LANGUAGE (SQL)

- Structured Query Language (SQL)
- Queries
- Advanced Queries and Sub Queries

4. WEB APPLICATION DEVELOPMENT – HTML & JAVASCRIPT:

HTML (Hyper-text Markup Language)

- Basic Tags
- Hyper-linking
- Working with Images
- Working with Tables
- Working with Forms
- Cascading Style Sheets

JavaScript

- Introduction to Scripting
- Client-Side v/s Server-side Scripting
- Loops
- Arrays
- Functions

5. **PROGRAMMING IN .NET**

C#

OOPS Concepts

Introduction To .Net Framework, GC, JIT

Programming Syntax(Loops, Arrays etc.)

Classes, Objects, Operators, Properties

Delegates And Event Handling

ASP.NET

Introduction To Web And Asp.Net Page Life Cycle

Asp.Net Controls & Validation Controls & Themes And Stylesheet

Data Access With ADO.NET

Login Controls

State Management

AJAX

6. **ANTIVIRUS**

- What is Computer Virus?
- Types of Computer Viruses.
- Threat Areas.
- How Computer Viruses spread?
- Symptoms of Virus Infection.
- Windows Firewall and its advantages
- Installing & Configuring antivirus software
- Updating Virus Definition
- Downloading Virus removal Tools from Internet
- Internet Security and Phishing.

7. **PROJECT WORK**

Project work using ASP.net and C#.