



EDGE Stands for Essential Diploma for Graduate Engineers

Note: Only few points are mentioned in this file. Teaching/Training will be in detail.

C Programming

History of C, Features of C, How to install C, First C Program, Flow of C Program, printf scanf Variables in C, Data Types in c, Keywords in c ,C Operators, C Comments, C Escape Sequence, Constants in C

C control Statements C if-else, C switch, C do-while loop, C while loop, C for loop, C break, C continue ,C goto ,Type Casting C

Functions-What is function, Call by Value & Reference, Recursion in c

Array- 1-D Array, 2-D Array, Array to Function

Pointer C Pointers, C Pointer to Pointer, C Pointer Arithmetic

Strings String in C, C gets() & puts(), C String Functions, C strlen(), C strcpy(), C strcat(), C strcmp(), C strrev() ,C strlwr(), Cstrupr(), C strstr(), C math functions

C Structure Union-C Structure, c array of Structure, C Nested Structure, C Union

C File Handling- C File Handling, C fprintf() fscanf(), C fputc() fgetc(), C fputs() fgets(), C fseek(), C rewind(), C ftell()

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SQL

Introduction to SQL [What is Database](#), [What is RDBMS](#), [DBMS vs RDBMS](#), [SQL Syntax](#), [SQL Data Types](#), [SQL Operators](#)

SQL Database [SQL CREATE Database](#), [SQL DROP Database](#), [SQL RENAME Database](#), [SQL SELECT Database](#)

SQL Table

[What is Table](#), [SQL TABLE Variable](#), [SQL CREATE TABLE](#), [SQL DROP TABLE](#), [SQL DELETE TABLE](#), [SQL RENAME TABLE](#), [SQL TRUNCATE TABLE](#), [SQL COPY TABLE](#), [SQL TEMP TABLE](#), [SQL ALTER TABLE](#)

SQL Select

[SELECT Statement](#), [SQL SELECT UNIQUE](#), [SQL SELECT DISTINCT](#), [SQL SELECT COUNT](#), [SQL SELECT TOP](#), [SQL SELECT FIRST](#), [SQL SELECT LAST](#), [SQL SELECT RANDOM](#), [SQL SELECT AS](#), [SQL SELECT IN](#), [SQL SELECT Multiple](#), [SQL SELECT DATE](#), [SQL SELECT SUM](#), [SQL SELECT NULL](#)

SQL Clause

[SQL WHERE](#), [SQL AND](#), [SQL OR](#), [SQL WITH](#), [SQL AS](#)

SQL Order By

[ORDER BY Clause](#), [ORDER BY ASC](#), [ORDER BY DESC](#), [ORDER BY RANDOM](#), [ORDER BY LIMIT](#), [ORDER BY Multiple Cols](#)

SQL Insert

[INSERT Statement](#), [INSERT INTO Values](#), [INSERT INTO SELECT](#), [INSERT Multiple Rows](#)

UPDATE Statement

SQL Delete

[DELETE Statement](#), [SQL DELETE TABLE](#), [SQL DELETE ROW](#), [SQL DELETE All Rows](#), [DELETE Duplicate Rows](#), [SQL DELETE DATABASE](#), [SQL DELETE VIEW](#), [SQL DELETE JOIN](#)

SQL Join

[SQL JOIN](#), [SQL Outer Join](#), [SQL Left Join](#), [SQL Right Join](#), [SQL Full Join](#), [SQL Cross Join](#)

SQL Keys

[Primary Key](#), [Foreign Key](#), [Composite Key](#), [Unique Key](#), [Alternate Key](#)

PL/SQL- [Control Statements](#), [Trigger](#), [Functions](#), [Stored Procedures](#)

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Web Designing

HTML

Introduction, Basic tags, Lists, Tables, Frames, Forms, HTML5

CSS

Introduction, Types of Style Sheets, Class Selector, ID Selector, Absolute and Relative Positioning, DIV + CSS, Layout Design, CSS

JavaScript

Introduction to scripting, Introduction to JavaScript, Variables and operators, Working with alert, confirm and prompt, Conditional Statement, Looping Statement, Events and functions

Bootstrap

Bootstrap, Advance, Bootstrap, Utilities

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Software Project Management Syllabus

Software Project Management
Introduction to Project Management
Scope of Project
Project Scheduling
Team responsibilities and activities
Test Cases and Cost implications
UATs
Software DLC
Live Project

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Python

- Course Overview
- Python Setup
- Python Object and Data Structure Basics
- Python Comparison Operators
- Python Statements
- Methods and Functions
- Milestone Project - 1
- Object Oriented Programming
- Modules and Packages
- Errors and Exceptions Handling
- Milestone Project - 2
- Python Decorators
- Python Generators
- Final Capstone Python Project
- Advanced Python Modules
- Advanced Python Objects and Data Structures
- Introduction to GUIs

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Python Web Programming

- Access and parse the web with Python.
 - Manage a database.
 - Manage remote server
 - Run code via a VPS
 - Create a basic website with Python
 - The essentials of XML and how it can be used in conjunction with Python projects.
 - How to implement and work with Django to manage full database-driven websites.
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- Introduction
 - Database Programming With Python
 - Using Python With Internet Services
 - Web Client Programming With Python
 - Introduction to Web Server Programming
 - Web/Database Applications In Python
 - XML Programming With Python
 - The Django Web Application Framework
 - Working with HTML
 - MySQL database with Python
 - Python's Flask Web development Framework

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Front Bench Advantage:

- *Over 5 years Real-Time experienced Faculty*
- *Job oriented, Industry relevant curriculum*
- *Conceptual training methodology*
- *Project/Lab based training*
- *Opportunity for Internship*
- *100% Job Assurance*

Career Options:

- Software Development Companies
- Web design studios
- Website development studios
- Website or portal development studios
- Advertising agencies
- Print & Publishing houses (like newspapers, magazines, etc.)
- Multimedia production houses
- Freelancing (Work from home)

Job Profile after this course:

- UI Developer / Web Developer
- Software Developer / JAVA Developer/ .Net Developer
- Full Stack Developer
- SQL Developer / Database Analyst / BACKEND DEVELOPER

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