

Professional Certificate in Web Site Design & Development (WEBSDAD Level 1)

Objectives

- To introduce participants to essential, state-of-the-art information about the Web, Internet, Internet Protocols, Web Browsers and Search Engines.
- Design & develop Web pages through hands-on, goal-oriented tasks.
- Integrate results of the discrete tasks into a complete Web application.
- Publish the Web application to a live server on the Internet.

Target Participants

Technicians, engineers and other IT personnel from public organizations, private organizations, business houses, educational institutions and individuals who wish to add value to their lines of business through Web presence.

Course Outline

Introduction to the Internet & the Web. Browser compatibility problems and how to mitigate them. Search engines. Developing basic Web pages. Developing Web pages using frames, tables & CSS. Use of colors in Web pages. Incorporating Web forms inside Web applications. Assembling a complete Web application. Web site design, development and publishing process. Publishing and managing your Web application.

Pre-requisite

Basic computer literacy.

Program Schedule

Meeting Days : Weekends (Fridays **4-6pm** & Saturdays **9-12noon, 2-5pm**).
Duration : Five weeks.

Fees

N50,000 (fifty thousand naira) only.

Professional Certificate in Database Programming with Visual Basic (VB)

Objectives

- To design conceptual data entities from analysis of user requirements;
- To translate entity designs into actual database tables;
- To design graphical user interfaces (GUIs) using Visual Basic;
- To develop VB applications that connect to and manipulate databases through the GUI;
- To generate reports from VB applications and export to common MS Office applications.

Target Participants

Students, working professionals, teachers and other individuals who are interested in acquiring skills for developing database-oriented applications using Microsoft Visual Basic tools and technologies.

Course Outline

Introduction and overview to database management systems. Relational database systems. Introduction to SQL. Implementing DB designs with MS-Access or MSSQL Server. Graphical user interface design in VB. Building VB applications using different data controls. Connecting Visual Basic applications to Databases. In-class examples and take-home follow-up exercises. Generating reports from Visual Basic applications.

Pre-requisite

Basic computer-use skills.

Program Schedule

Meeting Days : Weekends (Fridays **4-6pm** & Saturdays **9-12noon, 2-5pm**).
Duration : Five weeks

Fees

N50,000 (fifty thousand naira) only.

PRACTICAL USE OF 3D CAD IN MODELLING WITH AUTOCAD & SKETCHUP

OBJECTIVES

1. To sensitize participants to adapt 3D Design Modeling, it is a more complete process than 2D design.
2. To emphasize the need to use 3D CAD (Computer Aided Design) software in all areas of Design.
3. To expose participants to the benefits of using 3D CAD methods- It is significant in reducing project cost.
4. To acquaint participants on how to develop skill and speed in applying 3D Modeling techniques.
5. Create realistic, geographic location aware 3D models of images and graphics

COURSE OUTLINE

Understanding 3D Principles, Understanding the importance of 3D methods, Overview of AutoCAD 3D Design, In-depth Coverage of Sketch Up Pro 3D Modeling, Creating 3D CAD Model, Creating 3D Assembly, Manipulating Views when setting Projections, Combining the strengths of AutoCAD with Sketch Up. Detailing and Up-Issuing. Hands-On practical, Assignments & Project.

TARGET PARTICIPANTS

Architects, Surveyors, Builders, Civil and Structural Engineers, Electrical/Electronics Engineers, Deans/HODs of Faculty of Engineering/ Environmental Design, Industrial Design, Agric/Mechanical Engineers, Chemical Engineers, Draftsmen, Geographers, Regional Planners, Town Planners, Utility and Facility Managers, Multimedia Designers, Fine/Applied Artist, Production Engineers, Directors/Head of Works & Maintenance

Engineering Services in Federal/State/Local Government Councils/Boards/Parastatals/ Agencies/Commissions, Technicians and other IT personnel from public organizations, private organizations, business houses, educational institutions and all other individuals who need to apply practical 3D CAD Modeling skills to produce location aware, technical / engineering models with speed and high precision.

PROGRAM SCHEDULE

Duration: 5 Weekends (Fri - Sat)

Time: 4 – 6 pm on Friday, 9 – 12noon and 2pm – 5pm on Saturday.