

Practical Complete Web Design & Development Course Details

Department: ICT and Security Management

Presented by Magna Skills Development Institute

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CORPORATE TRAINING
Agency

OUR SERVICES :

- Search Engine Optimization
- Analytics and Data Analysis
- Pay-Per-Click Advertising
- Social Media Marketing

 Our Website
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Course Summary

Are you eager to embark on a journey into the dynamic world of web design and development? Magna Skills presents the Comprehensive Web Design & Development Masterclass, a practical and immersive course designed to equip you with the skills and knowledge needed to create stunning and functional websites.

Whether you're a beginner or looking to enhance your existing skills, this course will take you from the fundamentals to advanced techniques, providing hands-on experience in building modern web solutions. Dive into the world of HTML, CSS, JavaScript, and more, and emerge with the ability to bring your web design ideas to life.

Course Objectives

1. Master the Fundamentals:

- Understand HTML5 and CSS3 to create structurally sound and visually appealing web pages.
- Explore responsive design principles for a seamless user experience across devices.

2. Dynamic Interactivity with JavaScript:

- Develop proficiency in JavaScript to add interactive elements and dynamic functionality.
- Learn how to work with libraries and frameworks like jQuery for efficient coding.

3. Front-End Frameworks:

- Explore popular front-end frameworks such as Bootstrap or Tailwind CSS.
- Design and implement responsive and aesthetically pleasing user interfaces.

4. Back-End Development:

- Introduce server-side programming languages like Node.js and PHP.
- Understand the basics of server-side frameworks for building robust and scalable web applications.

5. Database Integration:

- Learn the fundamentals of database management using MySQL or MongoDB.
- Implement database connectivity to store and retrieve data for your web applications.

6. Version Control and Collaboration:

- Gain proficiency in Git for version control and collaboration with other developers.
- Understand the basics of working in a team environment using platforms like GitHub.

7. Web Performance Optimization:

- Explore techniques for optimizing web performance, including image optimization and code minification.
- Understand the importance of page load speed for user experience and search engine rankings.

8. Security Best Practices:

- Learn essential security practices to protect web applications from common vulnerabilities.
- Understand HTTPS, secure coding practices, and common security threats.
- 9. **Deployment and Hosting:**
 - Gain insights into deploying web applications on platforms like Heroku or AWS.
 - Understand domain management and hosting solutions for live websites.
- 10. **Capstone Project:**
 - Apply all learned concepts and skills to complete a comprehensive web development project.
 - Showcase your portfolio-worthy project to potential employers or clients.

Course Outline

1. **Introduction to Web Development**
 - Overview of web technologies
 - Setting up development environment
2. **HTML5 and CSS3 Fundamentals**
 - HTML structure and semantics
 - CSS styling and layout techniques
3. **Responsive Web Design**
 - Media queries and flexible grids
 - Mobile-first design principles
4. **JavaScript Basics**
 - Variables, data types, and control structures
 - Functions, objects, and events
5. **Front-End Frameworks**
 - Introduction to Bootstrap or Tailwind CSS
 - Building responsive and visually appealing interfaces
6. **Introduction to Back-End Development**
 - Basics of server-side programming
 - Server-side vs. client-side interactions
7. **Database Integration**
 - Overview of MySQL or MongoDB
 - CRUD operations and database connectivity
8. **Version Control with Git**
 - Git basics and version control workflows

- Collaboration using GitHub

9. **Web Performance Optimization**

- Image optimization, code minification, and caching
- Importance of performance for user experience and SEO

10. **Web Security**

- HTTPS and secure connections
- Common web vulnerabilities and best practices

11. **Deployment and Hosting**

- Deployment on platforms like Heroku or AWS
- Domain management and hosting solutions

12. **Capstone Project**

- Apply knowledge and skills to a comprehensive web development project
- Presentation and feedback sessions

Join us at Magna Skills and transform your passion for web design and development into a valuable skillset for today's digital landscape!

**ENHANCE
TRANSPARENCY &
EFFICIENCY
ENROLL NOW!**

**Magna Skills Course:
Ensuring Transparency,
Accountability, and Impact
in Donor-Funded
Projects through Advanced
Financial Management**



Company Overview

Who We Are: Magna Skills is a premier training and capacity-building organization specializing in professional development for government institutions, NGOs, and the private sector.

Our Mission: To provide world-class training solutions that equip professionals with the expertise needed to excel in their careers and contribute meaningfully to their organizations.

Our Vision: To be the leading provider of professional training and development across Africa, fostering excellence, innovation, and capacity-building in public and private sectors.

Core Values

- **Excellence** – Delivering high-quality training tailored to meet the evolving needs of professionals.
- **Integrity** – Upholding the highest ethical standards in all our engagements.
- **Innovation** – Embracing new technologies and methodologies to enhance learning experiences.
- **Customer-Centric Approach** – Ensuring client satisfaction by providing relevant, practical, and impactful training.
- **Collaboration** – Partnering with industry experts and institutions to provide the best learning opportunities.

Our Training Methodology

We use a blended learning approach that includes instructor-led training, case studies, workshops, and post-training support.

Why Choose Magna Skills?

- Experienced Trainers
- Customized Training Solutions
- Interactive Learning
- Global Recognition
- Proven Track Record

Request for Training Form

Complete the form and share with Magna Skills Support Team on email info@magnaskills.com or Send Whatsapp on: +27630079022

Approval & Authorization	
Applicant Details	Course Details
First Name:	Course Name:
Last Name:	Training Venue:
Mobile:	Month:
Email:	Training Method: Online[____] Face to Face [____]
Company Name:	Duration:
Country:	Number of Staff Members:

By signing this agreement, both parties confirm their commitment to the terms outlined in this proposal.