MAGNA SKILLS DEVELOPMENT INSTITUTE

Capacity Building • Professional Training • Organisational Development

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Course Profile Document

ICT and Security Management

Practical Complete Web Design & Development

Prepared as a professional course profile for delegate review, sponsorship approval and organisational training planning.

COURSE CODE	DELIVERY	DURATION	PREPARED FOR
MSD2648	**Online / Face-to-Face**	**Flexible**	**Organisation Approval**

Register for this Course

View Online Course Page

Course Overview

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 Outcomes

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 / Curriculum

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!

Target Audience

Staff who will be in-putting content for pages on the internet and wish to discover how easily they can put in content, make alterations and/or additions before publishing the pages.

Key Course Benefits

Work-Ready Skills

Delegates leave with practical tools, templates and methods they can apply immediately at work.

Better Institutional Results

The programme supports stronger planning, reporting, compliance, accountability and service delivery.

Sponsor-Friendly

This document is designed to help supervisors, HR units and sponsors approve delegate participation quickly.

Professional Recognition

Delegates receive training documentation and a certificate of completion after successful participation.

Our Training Centres & Delivery Options

Magna Skills offers flexible delivery through face-to-face training centres across Africa and beyond, plus Online / E-Learning for delegates who prefer remote participation.

Southern Africa

Practical training destinations with strong travel access and delegate support.

- Pretoria, South Africa
- Vic Falls, Zimbabwe
- Livingstone, Zambia

East Africa

Popular regional centres for government, NGO and donor-funded project teams.

- Kigali, Rwanda
- Kampala, Uganda
- Nairob
- Zanzibar, Tanzania

West Africa & Islands

Strategic locations for regional networking and executive capacity building.

- Accra, Ghana
- Port Louis, Mauritius

International Executive Venue

Premium destination training for senior teams and international delegates.

- Dubai, United Arab Emirates

Online / E-Learning

Attend from anywhere through live online, blended or self-paced learning options.

- Online, E-Learning
- Remote Teams
- Flexib

Organisation-Based Training

Magna Skills can also arrange dedicated in-house training for ministries, NGOs and companies.

- Onsite
- Custom Dates
- Group Training

Ready to Nominate Delegates?

Use the links below to register, review the live course page or contact Magna Skills for organisation-based training support.

Register / Apply Online | **View Full Course Page**

About Magna Skills

Magna Skills Development Institute provides practical capacity building programmes for government departments, NGOs, public institutions, donor-funded projects and private sector professionals across Africa. Our training approach combines expert facilitation, real workplace case studies, practical tools, post-training support and professional documentation that helps organisations strengthen staff performance and service delivery.

Government Training | NGO Capacity Building | Corporate Workshops | Online Learning | Face-to-Face Training | Certifica

Approval & Authorisation Form

This section may be completed by the organisation, department, HR office, finance office or sponsor approving delegate participation. It can be attached to an internal memo, procurement request or training approval submission.

Organisation / Department	
Delegate Name(s)	
Approved Course	Practical Complete Web Design & Development
Preferred Delivery Mode	☐ Online ☐ Face-to-Face ☐ Organisation-Based Training
Preferred Training Venue / Date	
Estimated Number of Delegates	
Budget / Vote Number	
Contact Person	
Email / Mobile	

Authorised Name _____ Signature / Stamp _____ Date _____