MAGNA SKILLS DEVELOPMENT INSTITUTE

Capacity Building • Professional Training • Organisational Development

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Course Profile Document

ICT and Security Management

Information Technology and Coding

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

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

Register for this Course

View Online Course Page

Course Overview

This comprehensive online course by Magna Skills is designed to equip individuals with the essential skills and knowledge required for a successful career in Information Technology (IT) and coding. Through a combination of hands-on coding exercises, practical projects, and expert guidance, participants will gain proficiency in PHP, JavaScript, and CSS – three fundamental technologies that are vital in today's IT landscape. Whether you're a beginner looking to start your journey in web development or an experienced coder seeking to enhance your skills, this course will provide the tools and expertise you need to excel in the world of IT and coding.

This course aims to empower participants with the necessary tools and strategies to prevent cyber-crime and maintain a secure IT infrastructure at Magna Skills.

Course Outcomes

1. Develop dynamic and interactive web applications using PHP, JavaScript, and CSS.
2. Understand the core concepts of programming and web development.
3. Create responsive and visually appealing web interfaces with CSS.
4. Implement server-side scripting and database connectivity using PHP.
5. Build client-side functionality and interactivity with JavaScript.
6. Debug and troubleshoot code effectively.
7. Collaborate on web development projects and follow best practices.
8. Prepare for further specialization in web development or IT-related fields.

Course Outline / Curriculum

Module 1: Introduction to Information Technology and Coding

- Understanding the IT landscape
- Overview of web development
- Setting up development environments

Module 2: HTML and CSS Fundamentals

- HTML structure and elements
- CSS styling and layout
- Responsive web design principles

Module 3: JavaScript Basics

- JavaScript fundamentals
- DOM manipulation
- Event handling and interactivity

Module 4: PHP Fundamentals

- Introduction to PHP
- Variables, data types, and operators
- Control structures and functions

Module 5: Building Dynamic Web Applications with PHP

- Form handling and data validation
- Working with databases (MySQL)
- Session management and authentication

Module 6: Advanced JavaScript

- Object-oriented programming in JavaScript
- Asynchronous programming and AJAX
- Popular JavaScript libraries and frameworks (e.g., jQuery)

Module 7: Advanced CSS

- CSS preprocessors (e.g., SASS)
- CSS animations and transitions
- CSS frameworks (e.g., Bootstrap)

Module 8: Project Development

- Collaborative web development project
- Applying knowledge of PHP, JavaScript, and CSS
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Best practices and project management

Module 9: Debugging and Optimization

- Debugging techniques for PHP and JavaScript
- Performance optimization for web applications
- Code quality and testing practices

Module 10: Final Projects and Showcase

- Presenting final web development projects
- Peer review and feedback
- Preparing for further studies or job opportunities

Target Audience

Financial institutions;Government agencies; Internet providers; Software developers;System administrators;Network Administrators;Technical Support Specialists; Software/Hardware Developers; Engineers and Office Specialists; Network administrators and other small to large businesses

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
- Nairobi,
- 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	Information Technology and Coding
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 _____