Magna Skills
Development Institute

Corporate Training Courses
Virtual Online Classes
Conferences & Webinars
Academic Tours

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Information Technology and Coding Course Details

Department: ICT and Security Management

Presented by Magna Skills Development Institute

Date Created: 15-May-2025

Training Coordinator: Denis Wunganayi

Course Summary

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 Objectives

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

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)
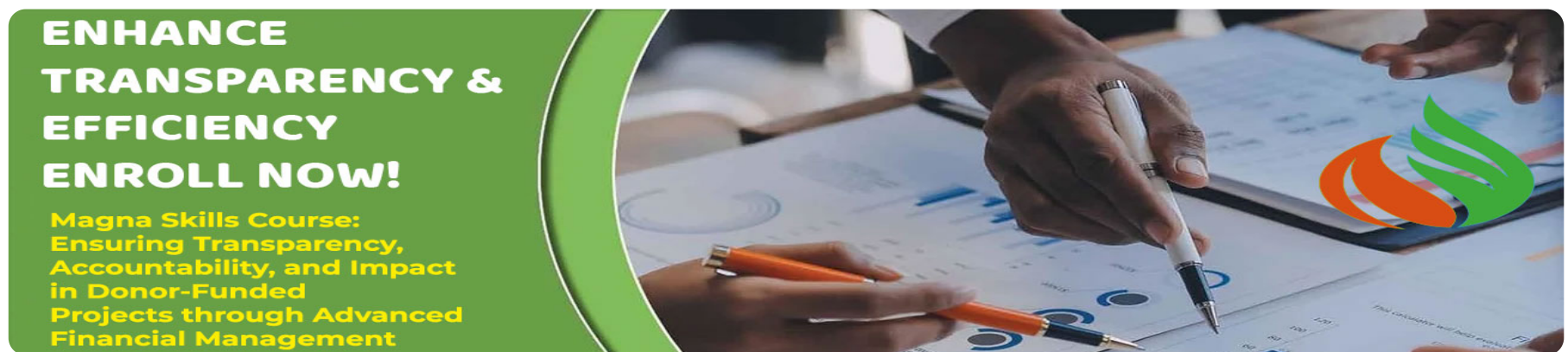
Module 8: Project Development

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

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: Onine[_____] 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.