MAGNA SKILLS DEVELOPMENT INSTITUTE

Capacity Building • Professional Training • Organisational Development

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Course Profile Document

ICT and Security Management

Database Management Systems

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

COURSE CODE	DELIVERY	DURATION	PREPARED FOR
MSD2638	**Online / Face-to-Face**	**Flexible**	**Organisation Approval**

Register for this Course

View Online Course Page

Course Overview

Magna Skills is pleased to offer the Database Management Systems course, a comprehensive program designed to provide participants with in-depth knowledge and practical skills in managing databases. This course covers fundamental database concepts, database design, implementation, optimization, and the use of modern database management tools.

Course Outcomes

- Upon completion of the course, participants will:

1. **Understand Database Fundamentals:**
   - Gain a solid understanding of fundamental database concepts.
   - Learn the importance of data integrity, consistency, and security.
2. **Database Design and Modeling:**
   - Learn the principles of database design and modeling.
   - Understand the normalization process and best practices.
3.

Implementation and Administration:

- Implement databases using popular database management systems (DBMS).
- Understand database administration tasks, including user management and security.

4. **Querying and Reporting:**
   - Develop skills in writing SQL queries for data retrieval and manipulation.
   - Create reports and analyze data using SQL-based tools.
5. **Performance Optimization:**
   - Learn techniques for optimizing database performance.
   - Understand indexing, query optimization, and caching strategies.
6. **Data Backup and Recovery:**
   - Implement robust data backup and recovery strategies.
   - Understand disaster recovery planning for databases.

Course Outline / Curriculum

Module 1: Understanding Database Fundamentals

- Importance of databases in information management
- Principles of data integrity, consistency, and security

Module 2: Database Design and Modeling

- Principles of database design and modeling
- Normalization process and best practices

Module 3: Implementation and Administration

- Implementing databases using popular DBMS
- Database administration tasks and security

Module 4: Querying and Reporting

- Writing SQL queries for data retrieval and manipulation
- Creating reports and analyzing data using SQL-based tools

Module 5: Performance Optimization

- Techniques for optimizing database performance
- Indexing, query optimization, and caching strategies

Module 6: Data Backup and Recovery

- Implementing data backup and recovery strategies
- Disaster recovery planning for databases

Who Can Attend:

This course is suitable for database administrators, IT professionals, software developers, and individuals interested in gaining expertise in database management systems, including but not limited to:

- Database Administrators
- IT Professionals
- Software Developers
- Data Analysts
- Database Developers

Delivery Format:

The Database Management Systems course, offered by Magna Skills, will be delivered through a mix of interactive lectures, hands-on exercises, case studies, and group discussions. Participants will have the opportunity to apply theoretical knowledge in practical scenarios, fostering a comprehensive and engaging learning experience. Additionally, guest speakers with expertise in database management systems may be invited to share insights and practical experiences.

Target Audience

The Electronic Records Management (ERM) training workshop is designed for Business Managers, IT Managers, Compliance Officers, Archivists, Librarians, Risk Managers, Records Managers and Information Managers, as well as for solution providers, IT and Sales consultants, Project managers, and technical

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	Database Management Systems
Preferred Delivery Mode	☐ Online ☐ Face-to-Face ☐ Organisation-Based Training
Preferred Training Venue /Date	
Estimated Number ofDelegates	
Budget / Vote Number	
Contact Person	
Email / Mobile	

Authorised Name	Signature / Stamp	Date