

Graduation Project Proposal Form

1. Project Information

- **Project Title:** Oracle General Ledger in carrefour
- **Course/Track:** Oracle Digital Accounting Specialist
- **Team Members:**
 1. Mariam Amr Abd EL_Khaleq Goda
 2. Mariam Zakaria Mohamed Ahmed
 3. Reham Ahmed Khattab Khattab
 4. Aya Gamal El-Sayed Sharara
 5. Walaa Mohsen Abdel Hamid Mohamed
 6. Esraa Mamdouh Mohamed Mohamed
 7. Mohamed Fathi AwdAllah Afifi

2. Project Overview

- **Objective:**

To improve financial management by centralizing financial data, automating processes, enhancing reporting, and ensuring compliance. It helps Carrefour manage its finances more efficiently, reduce errors, and provide better visibility into financial performance across its global operations.
- **Scope of Work:**

The scope of Oracle General Ledger at Carrefour includes managing and consolidating financial data across regions. It automates transaction processing and generates financial reports. It supports budgeting, forecasting, and ensures compliance with accounting standards. The system integrates with other business systems for seamless data flow. It also handles multi-currency and multi-country operations.
- **Expected Outcomes:**
 1. **Automation:** Oracle GL automates many financial processes, such as journal entries, reconciliations, and financial consolidations, reducing manual effort and minimizing errors.
 2. **Efficiency:** The platform integrates seamlessly with other Oracle ERP modules, creating a unified and efficient financial management system.
 3. **Better Decision-making:** The GL provides real-time financial data and reporting, enabling Carrefour's management to make informed decisions based on the latest financial figures.
 4. **Customization:** Carrefour would benefit from customized reports and dashboards that highlight key financial metrics, such as profit margins, expenses, and revenue trends, improving their ability to forecast and plan.
 5. **Regulatory Compliance:** Oracle GL helps ensure that Carrefour complies with international financial reporting standards (IFRS) and local regulatory requirements, which is critical for a global retailer.

3. Problem Statement

Resulting from the old system of Oracle in Carrefour, it seems to face inefficiencies and errors. These issues can lead to inaccuracies, delays, and increased operational costs.

4. Proposed Solution

- **Technologies Used:**

Oracle General Ledger uses advanced technologies to address Carrefour's financial challenges:

1. Cloud Computing: provides scalability and real-time access.
2. AI & Machine Learning; automate tasks and improve forecasting.
3. Robotic Process Automation (RPA): speeds up routine tasks and reduces errors.
4. Security Technologies; safeguard financial data with encryption and access control.

- **System Architecture:**

Oracle General Ledger uses a cloud-based, multi-tier architecture:

1. Cloud-Based: Hosted on Oracle Cloud Infrastructure (OCI) for scalability and accessibility.
3. Integration: Connects with other Oracle modules and external systems via APIs and web services.
4. Security: Uses role-based access control, encryption, and data protection.
5. Scalability: Supports global operations with multi-currency, multi-language, and flexible configurations.

5. Resources Needed

- **Hardware/Software:**

- **Software Requirements:**

1. Oracle Cloud Infrastructure (OCI): To host the Oracle GL system and other Oracle ERP modules in the cloud, ensuring scalability, flexibility, and security.
2. Oracle ERP : The broader suite that includes Oracle General Ledger along with other financial and operational modules like Procurement, Inventory, and Accounts Payable.
3. Oracle General Ledger (GL) Module: The core module that handles the general ledger functions, including journal entries, account balances, financial consolidations, and reporting.

- **Hardware Requirements:**

- Servers:**

1. High-Performance Servers to run the Oracle applications and database management systems (e.g., Oracle Exadata or Oracle Super Cluster).
2. Multiple Application Servers to manage Oracle ERP modules, including Oracle GL.
3. Database Servers for running Oracle Database.
4. Redundant Servers for high availability, failover, and load balancing.

Storage:

1. High-Capacity Storage Systems like SAN (Storage Area Network) or NAS (Network Attached Storage) to store large volumes of financial data.
2. Networking Equipment:
3. High-Speed Network Infrastructure to ensure fast data transfer between servers and to support users accessing the system globally.
4. Backup and Recovery:
5. Backup Systems and Disaster Recovery Solutions to safeguard financial data and ensure business continuity.
6. Security Hardware:
7. Hardware firewalls and other network security devices to protect financial data and systems from cyber threats

6. Approval

Instructor/Advisor: Dr: Mohamed Tarek

Signature: