

**Graduation Project Proposal Form**

**1. Project Information**

* **Project Title:** Accounting payable model
* **Course/Track:** Oracle accounting (end users)
* **Team Members:**

1. Nour Mohamed Shafiq Habeb
2. Alaa Adel Yassin Ali
3. Amany Essam Eldeen
4. Salma Ezz El-din Mostafa Kamal
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**2. Project Overview**

* **Objective:**

1. Accurate and timely payables that follow your standard procedures as well as those times when proactive cash management calls for overriding the rules.
2. At each stage in the workflow, you designate the next step and the system calculates taxes, discounts, and currency conversions according to your specifications.
3. With the Accounts Payable system, you can streamline the day-to-day functions of your entire accounts payable department and improve communication and reporting among your personnel.

* **Scope of Work:**

1. Master Vendor File Management: Maintain and update vendor details efficiently.

2. Invoice Management: Receive, code, and upload vendor invoices into the accounts payable system.

3. Verification and Approval: Match invoices with purchase orders, route them for approval, and process payments.

4. Vendor Relations: Respond to vendor inquiries, negotiate terms, and ensure timely payments.

5. Internal Controls: Identify and prevent duplicate or fraudulent invoices, avoid duplicate payments, and conduct accounts payable audits.

* **Expected Outcomes:**

AP automation in your ERP to streamline operational efficiency

1. Reducing invoice processing costs.
2. It helps to optimize and streamline your supply chain for the purpose of tracking inventory and the raw materials needed for production. This provides your teams with indicators that let them work more efficiently. For example AP automation can cut your invoice processing time by 73%, improving supplier relationships and reducing approval times by up to 70%.
3. Eliminating duplicate invoice and payment errors.
4. Secure your data and control access to it.
5. Supplier invoices created, matched with POs, and posted.
6. Invoice adjustments and holds applied as needed.
7. Inquiry report generated showing supplier account and invoice status.

**3. Problem Statement**

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**4. Proposed Solution**

* **Technologies Used:**

Oracle ERP for module for implementation of Account payable model. Microsoft Tools (Word, PowerPoint) for implementation of document model and presentation

* **System Architecture:**
  1. Client Layer (User Interface):
* Devices: Desktop PCs, laptops, or mobile devices.
* Tools: Web browsers and Oracle-compatible user interface (Oracle Cloud ERP apps or custom dashboards).
* Features: Role-based access for finance staff, intuitive dashboards for real-time monitoring, and secure login mechanisms.
  1. Application Layer:
* Oracle E-Business Suite (EBS):
* Modules: Oracle Payables, Oracle General Ledger, and Oracle Cash Management.
* Functions: Handles invoice processing, payment generation, tax calculation, and reporting.
* Middleware: Integration tools to connect Oracle ERP with external systems (e.g., third-party payment gateways or supply chain systems).
* Workflow engine to automate approvals and notifications.

1. Database Layer:

* Oracle Database:
* Central repository for storing master vendor data, invoices, payment history, and audit logs.
* Supports high-availability configurations (e.g., Oracle Real Application Clusters).
* Backup and Recovery: Regular backups and disaster recovery mechanisms.

1. Infrastructure Layer:

* Hardware: High-performance servers (on-premises or cloud-based) to host the Oracle ERP application and database. Load balancers to handle multiple user requests simultaneously.
* Network: Secure and fast internet connection to ensure seamless access for users.
* VPN for remote access and additional security.

1. Security Layer:

* Access Control: Role-based permissions for different users (e.g., data entry, approvers, auditors).
* Data Protection: Encryption of sensitive data such as vendor banking details.
* Audit Trail: Comprehensive logging for detecting and preventing fraud or duplicate payments.
* Integration Layer:
* Third-Party Integrations:
  + - Payment gateways for automated vendor payments.
    - Supplier portals for invoice submission and status tracking.

**5. Resources Needed**

* **Hardware:**

1. High-performance servers for hosting Oracle applications
2. Laptops or desktops for specialists to access the Oracle applications.

* **Software:**

1. Core software Oracle for accounting tasks.
2. Oracle E-Business Suite.
3. Operating System as Windows.
4. Documentation tools as Microsoft PowerPoint and Word.

**6. Approval**

* **Instructor/Advisor:** ……………………………………………………………….....................................
* **Signature:** ……………………………………………………………………………………………………………..