

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
 5. Omnia Magdy mahmoud kandil
 6. Salma Mahamad Abd EL-Aziz

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

By considering Accounts payable department as a key factor any company as it plays a critical role in sustaining any company's financial health, it should be highlighted and given utmost importance to be involved in the automation process implemented by the technological boom nowadays.

To be more accurate there are some problems and challenges faced by AP department using old systems and how those problems can be illuminated by implementing oracle system such as:

1. **Timing & Delaying:** Huge suppliers' process leading to inefficiencies, misplaced documents, and errors, which can disrupt cash flow forecasts, increase AP costs, and strain vendor relationships. Moreover, difficulty for managers to track workflow, get instant reports, balances of specific supplier or know the updated amounts of debts and liabilities of the organization.

Oracle will minimize time as it offers data auto-fill for invoices entry. Also, instant data extraction for specific supplier based on supplier code without manual intervention in addition to minimize the timeframe of work flow by auto-sending invoices and payments requests for approval based on customized business logic besides the instant and easy follow up by managers.

2. **Suppliers Management:** Complex suppliers' landscapes increase accounts payable risks, causing delays and weakening negotiating power. Ap team must manage supplier relationships, urgent invoices, and dispute resolution needs, requiring technology enhancement.

Follow Problem Statement:

Oracle system allows for AP team to manage suppliers' master data with integrated dashboards for timely renegotiations, machine learning recommendation engines for code merging, vendor portals for self-service invoice submissions and "auto-pay" rules for invoice prioritization (scheduling payments).

3. **High Labor Cost:** Manual processes in accounts payable need more than one employee that will increase costs to do such repetitive tasks such as filing in paperwork, keying data, and answering supplier status inquiries rather than doing valuable and technical tasks.

Oracle will allow staff to focus on oversight rather than operative functions. the company can minimize the salary of more than one employee as one employee only can perform all the tasks by aiding of oracle which can do all popular and programmed tasks.

4. **Paper waste & environmental impacts “Go Green”**

Manual accounts payable practices in cause environmental waste due to extensive printing, copying, filing, and storage, as well as off-site records retention and shredding services.

By using oracle, it will allow digitally archiving documents to reduces paper usage, and promotes eco-friendly practices.

Moreover, it will facilitate reaching any invoice by just one click using supplier code and date of the invoice rather than the old method to search between files.

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. 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.

2. 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.

3. legal entity that must be followed

4. business groups with HR rules

5. ledger for vendors account with their transactions and accounts

6. operating unit that contains all vendors' information and bank statements and their different ways of payments

7. specified service for implementation of the application

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:

.....