

# Final Report

**Organized By:** Dr. Yasser Fouad



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## **About Training**

**Name:** Eprom Petroleum Company training

**Address:** Petroleum Complex-EPROM Company (3<sup>rd</sup> floor EPROM Training Center)

**Hours:** 198 hours for 33 days in 8 weeks.

**Period:** From 14 July 2022 to 15th September 2021

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## **Introduction**

The main goal for Eprom Petroleum Company this training course is:

- Providing a professional digital system for the company and get rid of the idea of using paper requests.
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## **Instructors**

- 3 trainers participated in the activity as follows:

1. Eng. Karim ElGezawy	taught 66 hours
2. Eng. Ahmed ElSharkawy	taught 66 hours
3. Eng. Ahmed ElSherif	taught 66 hours
<b>Total</b>	<b>198 hours</b>
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## **Acknowledgement**

It's my pleasure to thank everyone who participate in the training, and I am very thankful or the financial and technical support from Eprom Petroleum Company.

## **Methodology of training**

1. Database Design
2. SQL for Data Definition Language (DDL)
3. SQL for Data Manipulation Language (DML)
4. PL/SQL
5. Oracle Apex
6. Contributing to building digital system for the organization using oracle apex

### **The training details**

- **From 14/7 to 25/7:**
  - First day there was an Orientation about the company and its projects
  - Refresh some basics in database design, ERD, Schema
  - Make an individual task for drawing an ERD about EPROM Training Center
  - Practice on some basics of SQL
- **From 26/7 to 31/7:**
  - Divide into teams getting ready for the project and exchange ideas
  - Create a Database and Schema for our project
- **From 1/8 to 15/8:**
  - Learning PL/SQL
  - Learning basics of Oracle Apex
  - Designing the interface of the project using Apex
  - Building a first version for our application
- **From 16/8 to 15/9:**
  - Developing and improving the application
  - At the last day, we have done a presentation in front of CEO and his Assistant, IT general manager, all of IT department employees and some of the senior leaders in the company.

### **Tools and technology**

needed like: Oracle Apex, SQL, PL/SQL, , HTML, CSS, JavaScript

### **Positive aspect of the training:**

- The participants were interested enthusiastic about all the subjects
- The instruction followed a democratic system in managing their sessions
- The engineers are very helpful and efficient, they helped us during all training sessions.
- The hall was comfortable and very convenient
- The relationships among the participants were in harmony

### **Method of training:**

#### **Using the following methods:**

- Individual tasks
- Tracing up our tasks.
- Attend sessions
- Discussion groups
- Make project for training center system

## **Topics of the training**

### **1. Database Design**

- Learning how to design ERD and a schema model for the database, learn how to process, store, and organize data in an efficient way.

### **2. SQL for Data Definition Language (DDL)**

- Insert into
- Update
- Delete
- Create / Drop DB
- Create / Drop Table
- Truncate

### **3. SQL for Data Manipulation Language (DML)**

- Select Statement
- Select Distinct
- Order By
- Min/Max
- Count / Avg / Sum
- Joins (inner & outer joins)
- Group By
- Views

### **4. PL/SQL**

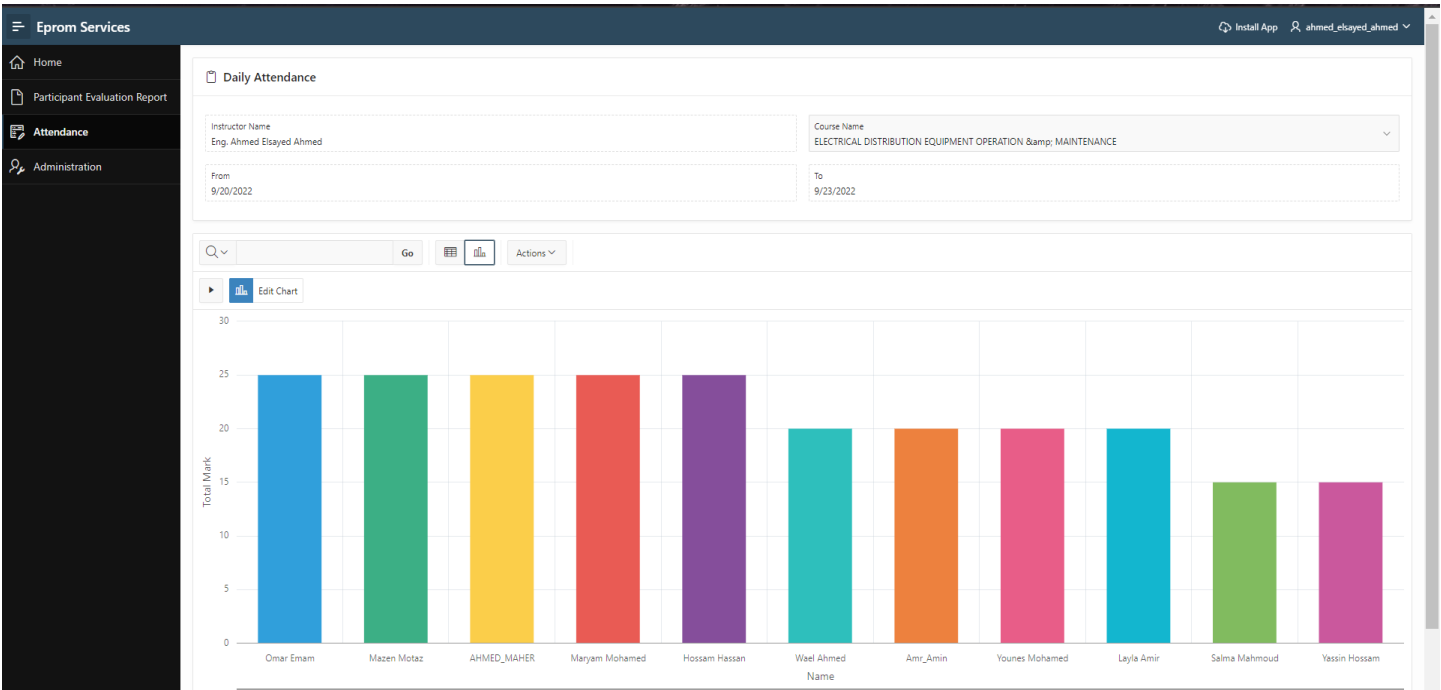
- Learning procedures
- Learning Functions
- Learning cursors
- Learning Triggers
- Learning Packages

### **5. Oracle Apex**

- - Overview of all components in Oracle Apex
  - SQL Workshop
  - Page Designer
  - Regions
  - Items
  - Buttons
  - Pages and Page processing
  - Dynamic Actions, Client-Side Condition, Server-side Condition
  - Validation and Process
  - Security and User Interface
  - Globalizations and collections

### **6. Building Eprom Training Center Application using oracle apex**

Attachments From The Project:



**Eprom Services** Install App ahmed\_elsayed\_ahmed

**Daily Attendance**

Instructor Name: Eng. Ahmed Elsayed Ahmed

Course Name: ELECTRICAL DISTRIBUTION EQUIPMENT OPERATION & MAINTENANCE

From: 9/20/2022 To: 9/23/2022

Go [Table Icon] [Bar Chart Icon] Actions

	Attendance Id	Learner Id	Course Offered Id	Learner Name	Dep Name	Day1	Day2	Day3	Day4	Day5	Total Attendance
	20	18	64	Layla Amir	Information Technology	Attended	Attended	Attended	Attended	Absence	20
	19	15	64	Maryam Mohamed	Information Technology	Attended	Attended	Attended	Attended	Attended	25
	21	21	64	AHMED_MAHER	FINANCE	Attended	Attended	Attended	Attended	Attended	25
	22	11	64	Yassin Hossam	HR	Absence	Absence	Attended	Attended	Attended	15
	23	17	64	Younes Mohamed	Information Technology	Attended	Absence	Attended	Attended	Attended	20
	24	12	64	Wael Ahmed	HR	Attended	Attended	Absence	Attended	Attended	20
	25	14	64	Omar Emam	HR	Attended	Attended	Attended	Attended	Attended	25
	26	13	64	Mazen Motaz	HR	Attended	Attended	Attended	Attended	Attended	25
	27	16	64	Amr_Amin	Information Technology	Attended	Attended	Attended	Attended	Absence	20
	28	12	64	Wael Ahmed	HR	Attended	Attended	Attended	Attended	Attended	25

