

# **King Fahd University of Petroleum & Minerals**

## **Computer Science & Engineering College Computer Science Department**

### First Progress Report



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Semester:031  
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## **Schedule:**

The training program schedule consists of different parts. The first part of the plan was to have a basic knowledge of the organization of the company and functions of the Information Technology Department. Where I in the first two week I took a rotation around the different divisions in the Information Technology Department (ITD). The rotation gives me a good knowledge about the department and divisions. These divisions are Support Services Division (SSD, Computer Operations Division (COD), Computer Applications Division, and Computer Science Division (CSD).

Then I decided to be a member of the CAD team. My team has assigned to develop a new project is called Electronic Logging System. This project is divided into three parts, during the third and forth week the team members meet together to set the requirements for the project.

In the rest of the weeks we are going to analyzing, desgin and implement the system using different tools with the development team of ITD in the Electronic Logging System. Also, I wil be as part of the assignment he will be developing and modifying Reports related to the CMMS (Computerized Maintenance Management System). Last 4 weeks we will write down a full documented report and feedback from the user of the system.

## **Description of the accomplished work:**

### **The rotation.**

I visited the whole divisions in the ITD and I get the following responsibilities. The responsibilities of CAD are Development of new computer applications systems in coordination with user departments. Enhancement and modification of currently operational systems. The responsibilities of the SSD: This Division is SCECO-East community's window into ITD's services. SSD

handles all computing hardware acquisition, distribution, implementation and maintenance.

The responsibilities of the COD: The COD is responsible for the operation of the Mainframe System and all Mainframe-connected equipment, and the processing of production batch jobs associated with application systems. The responsibilities of the CSD: This division is responsible for installing, maintaining, and enhancing the Operating System and other software utilities, and participates in hardware and Operating System software planning.

- **Experience Gained**

Studying the project and planning for use CASE methodology. I took an experience in which project type the CAD division is developed and how it developed and who is received the request to develop the project. Selecting your team for developing the project from different divisions in the ITD. What is the appropriate methodology is used to design and implements the project. Way in which you contact with other member team in project.

- **Approach taken to accomplish tasks:**

There are three types of requirements that should be taking in account through designing a project. These requirements are people, software and specification requirements. We gather these requirements after we meet the concerns or user of the project and engineering.

We installed the previous system to analysis and understanding the requirements. Then, the team determines the operations and constraints on it. Get a copy of the system tables and convert them from MS Access tables to SQL tables using SQL Manager software.

During these weeks I have practiced to be familiar with:

1. Visual Studio. NET.
2. Database access with VB.NET and ADO.NET.

3. Analyzing and get a good background about the previous system that we are going to develop.

- **Description of Unaccomplished Work**

1. Building Web application with VB.NET and ASP.NET.
2. Work on a Crystal report writer.
3. Design the interfaces and work on the tables developed system (Operation Logging system) using the features of VB.NET as Web Application.
4. AS part of the assignment I will be developing and modifying Reports related to the CMMS (Computerized Maintenance Management System) by using the Crystal report writer.

- **Work plan for the Coming Period:**

1. I will work and take a short course on the Computerized Maintenance Management System (CMMS) as report developer and modifier.
2. Also, I will change tables of (Operation Logging system) from MS Access to SQL tables.