

# FDC Management Suite

By

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*This is the Management System of Furqan Diagnostic Center to  
provide them with quality Software Solution.*

# **FDC Management Suite**

## **Introduction**

This project will give best utility to users by giving quality software solution. There will be a software where the user can check record of patients, details of employees, can manage the record etc. The software will be tested by using all efficient testing techniques to provide the best. This software will, actually, help our client to get automated system of Diagnostic centre. Some specified demands include: "Employee Attendance", "Managing patients records", "Viewing previous record", "Recognition of patient", "Creating separate storage for patient's data". Radiologist will be able to see previous records of all patients to give final word about patient. This project will also be helpful in many aspects as client will specify.

## **Clear Statement of the Problem**

The problem is that when patient visit to diagnostic centre, the radiologist may need to view the all previous record of patient but he/she either lost it or forget at home. Another perspective of developing the software, is to keep an eye on all clinic staff by taking the biometric attendance. And the manual or typical attendance system will be replaced by new, efficient, automated attendance system. It will also reduce the periodic cost to one time investment. The record of new patient or employee will be saved to the system to enrol all new entries. These are the base line requirements which needs to be explored more to obtain minimum viable product.

## **Objectives & Scope**

The basic objective is to provide a specific tool for automated diagnostic centre. This application will help radiologists in assuring the quality services by keeping an eye on existing history of patients. As radiologist will also be able to check the employee presence. This application also saves time by not searching the file of patient manually. This application will also be able to inform separate test departments about the number of waiting patients.

## **Motivation**

The motivation for the development of this project is that it is very tedious to manually search the history file of existing patient. Radiologist do not need to employ a person to manage the record manually and it will also help to reduce the cost by investing on manual resources. It will also help the manager by giving the percentage of presence of employee in whole month for calculating the salary of employees. This project will also help different departments to check the list of awaiting patients. The patient will also able to get another copy of report in case if she/ she lost the original report.

## **Project Plan**

Project plan will be designed with the collaboration of the supervisor.

## **Resources Required**

All required resources for current information are listed follow:

### **Hardware Resources Required**

- PC i5 2.3GHz
- 500GB Hard
- 4GB Ram
- Fingerprint sensor
- Tool for patient recognition
- Full Internet access
- Books related to project management and software engineering

### **Software Resources Required**

- Microsoft Project
- Python version 3.4 or version 2.7.13
- Microsoft Visio
- PyCharm IDE GUI based
- Adobe Photoshop

## References

- As template provided by AUMC Computer Sciences Dept
- Requirement gathering from FDC Multan