

# Smart Management Using Authentication and Authorization

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**Abstract** - In today's industrial management system, there are lots of problems. The problem can be such that cost management, time management, resources management tracking etc. In this system, we overcome the drawback of recently mention points. Using this smart manager system, we overcome the risk for tracking the employee's location, who's they & at are which location. It also reduces the cost of industrial project and deadline of project. They help in the employee's fast working process and generate dynamic report to show salary.

In today's days, we introduce the topic for Smart Manager System. The smart Manager System is also known as Monitor Informational Data & Operational Data. The Smart Manager System is used in defense, military, software & hardware companies (private and public sector). We overcome many drawbacks of software and hardware problems & reduced the time complexity cost.

**Key Words:** Authority, privacy, identification, resources, security

## 1. INTRODUCTION

We improve the techniques of smart manager system using new ideas to overcome the drawback. They decide effective communication between Admin, Manager, and Employees. Suppose that if employee travel related to company's work then he marks the attendance for any company location. The cluster manages the system over the cloud database. They assign task for using distributed system to each and every employees, so it is good relationship between higher authorities to lower authority. They overcome time and cost management. They need large amount of database to store the summarized data for Company portal, Admin portal, Manager Portal and employee's portal. It provided more security for user data and provided the authentication of whose user is log in currently and which is log out.

### 1.1 Applications

- ☑ It is securely accessible in private and public sectors.
- ☑ To optimize resources.

☑ It is used in software and hardware industry.

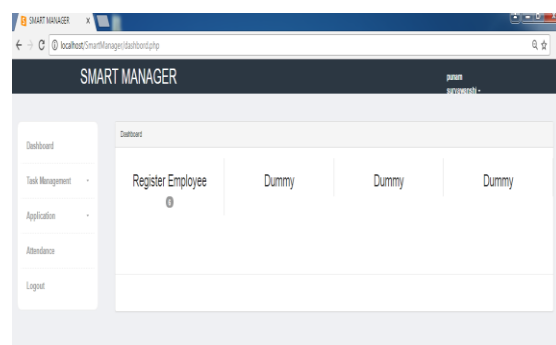
## 1.2. ARCHITECTURE AND SCREENSHOTS:

### A. Login Form:



Above form shows that, when user which is employee, manager or admin, fill the login form

### B. Registration Of Employee (Dashboard):



It shows dashboard of Employee registration

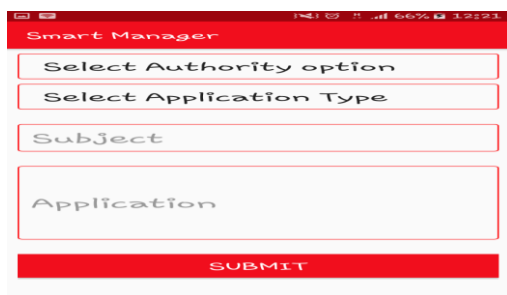
**C.Android App**



It shows Application Form,Task of employee .

The button is showing the attendance of employee

**D.Application Form Page:**



The figure shows that Application form for leave or for any software and hardware requirement.

**2. MATHEMATICAL MODEL**

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$$S = \{B, C, E, F, G\}$$

Where

B represents registration

$$B = B_0, B$$

C shows function

$$C = C_0, C_1, C_3, C.$$

E Shows Task

$$E = E_0, E.$$

F Shows Attendance

$$F = F_0, F.$$

S0 = input function registration

S1 = check the output /input

S2 = message

S3 = Report creation

S4 = in time message/out time message.

}

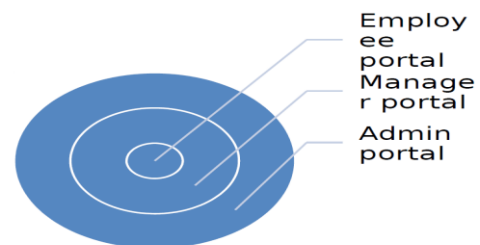
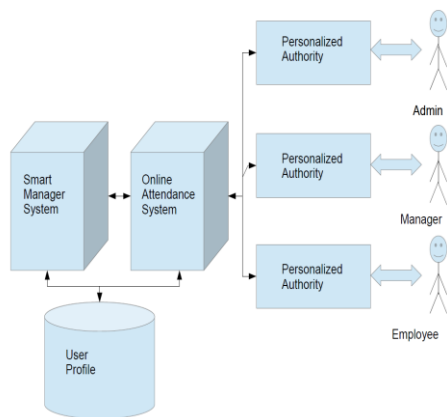


Fig-1: Venn diagram

**3. WORKING**

The smart manager system is divided into different portals such as Admin Portal, Manager Portal, and Employee Portal etc. It is creating different account for the admin, manager and employee. They access the data authority wise. The operation data is used in company. The informational data are used by manager and admin. There are no conflicts to occur in data. The employee travels any company area to easily track it. They also use second module i.e. online attendance system to manage user application and attendance. It can store the data for the database. It is dynamic report which can be generated related to salary.



[6] Development of a student attendance management system using rfid and face recognition.

**Fig -2:** System architecture

#### 4. CONCLUSION

In this paper we are used cryptography algorithm to provide the identification and authority for the person. They also decide good communication and management for the different portals. We also gather the information for different management system.

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