

IMPLEMENTATION OF A SINGLE INTELLIGENT PLATFORM AT MAHAGENCO, MUMBAI(INDIA) TO MANAGE THE FOLLOWING:

- ATTENDANCE MANAGEMENT SYSTEM WITH FACE ATTENDANCE DEVICE (T & A)
- VISITOR MANAGEMENT SYSTEM(VMS)
- CONTRACT LABOUR MANAGEMENT SYSTEM(CLMS)



STATISTICS

1. **Application** – Time and Attendance with Face Recognition Device.

2. **Size** –



15000+ on-roll Employees



(VF1000 Facial Recognition Attendance system)

520 AI based Face Recognition machines.



25 Power Plants



20000+ contractual labour Attendance punching on daily basis

CUSTOMER SITE OVERVIEW

The **Maharashtra State Power Generation Company, also commonly** known as MAHAGENCO is a major power generating company in the state of Maharashtra, India and a wholly owned subsidiary of Maharashtra State Electricity Board. With a total generation of 14,400 MW, it is the largest powerproducing company in India controlled by State Government.

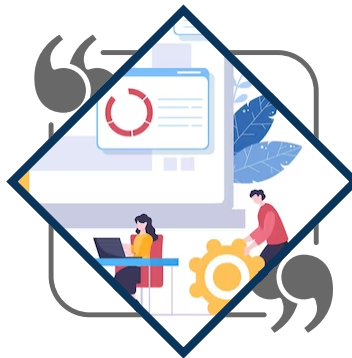
MAHAGENCO has 25 Power Plants with 40000+ active users punching on Daily basis. They have Multiple round-the-clock Shifts to manage. They envisaged the project to manage their On-roll Employee, Contractual Employees & Visitors in a single System with centralized database.

INITIAL CHALLENGES :

- 1 • **Aadhaar Authentication:** Customer wanted Aadhaar Authentication for Employee & Contractual labour (KYC) for joining/on-boarding.
- 2 • **Single intelligence software:** They want a single centralized platform to manage On-roll Employee & Contract labour Attendance with Visitor Management System integrated in a single Web based software.
- 3 • **Integration with SAP:** Customer has SAP system & wanted to integrate their SAP system with our attendance & leave management system, for onwards operation purpose.



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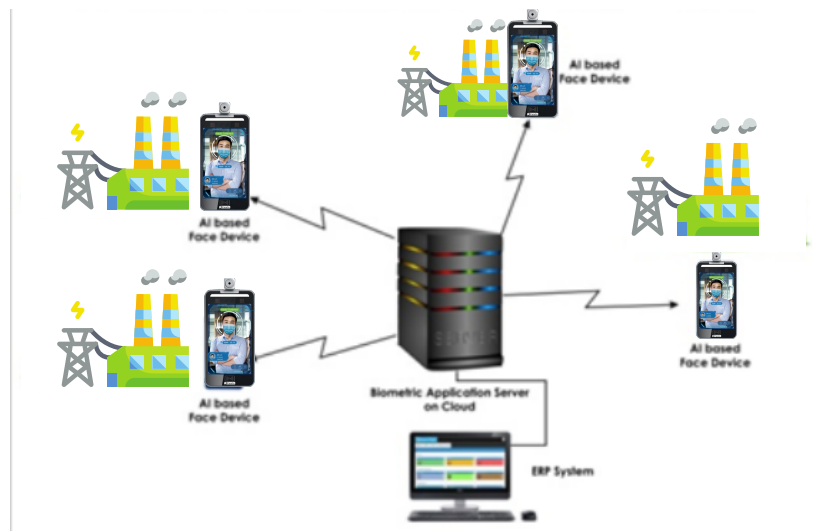
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TYPICAL REQUIREMENT :

- Managing the contractor data, Work Order information & contractual Labour with various compliance.
- Pushing online Attendance Data from 25 Power plants at difference locations from Face Recognition based Attendance machine.
- Roll wise Employee Self Service(ESS) login for different modules like VMS, CLMS, Attendance on Mobile Platform & Location based Login for Manager.
- Leave Management Workflow with Maker-Checker(Proposer- Approver) based Workflow management using ESS.
- Employee can invite the Visitor using the ESS Login with Workflow.
- Each plant having their own rules, regulations & workflow which is being mapped & managed in a single platform & database.
- Gate pass management for contractual labour.

IMPLEMENTED SOLUTION AND FLOW DIAGRAM

FORTUNA has provided MAHAGENCO, an AI Based Facial Recognition System to mark Attendance for Employees, Visitor & Contractual labour. Web based Attendance Software with ESS login & VMS, CLMS module for Centralised Data management. We have successfully done the integration with SAP ERP System. The provided software can manage over 40,000 active employees data centrally and can view the live attendance data for all plants.



RESULTS

- Aadhaar Authentication (KYC) doing through OTP for whitelisting employees & contractual employees.
- Attendance of Employees with data Integration to SAP to centrally manage the attendance & leave for Payroll integration from SAP ERP.
- Compliance Management of Contract Labour with QR Coded Gate Pass & Face recognition based Entry.
- Visitor Management System for mapping all required information in the centralized system for MIS report/tracking.