

Module Description

Admin

Admin controls all users and entire activities of the application.

- Can add/edit/delete details of employee
- Map/change employee under particular manager
- add/edit/view details of HR managers
- Can view attendance details
- Can view activity details
- block/unblock employees/managers
- Add device and map this device to employees,
- Reset passwords/ block devices
- add/delete blocked urls
- add/delete blocked applications
- Can view productivity report
- Can view project status and add comments based on that
- View employee performance report and grades based on performance and attendance. View list of low performing employees and employees with low attendance
- Can view alert messages based on each team and section

Manager

- Can view login users and there active time
- Can send messages to teammates
- Can analyse the activities of team members and add restrictions to them
- Can send add/remove url restrictions to admin
- Can view attendance reports
- Can view hours spend in project and analyse cost and compare it with the cost restriction set by admin

Attendance management using Video Analysis

This module works in desktop application of employee

- Capture live video of employee using web camera
- Detect faces from the captured video and recognize employee using CNN algorithm
- Record the time of employee present in front of the camera for attendance
- Calculate the idle time of employee and reduce it from attendance using inputs like usage of computer and track other activities
- The behavior of the employee including yawning, eye closure, eye blinking, head pose, *etc.*, is monitored through a camera and the employee attendance log is modified after continues sleep detection using CNN model implemented using keras
- Mark break time of employees by analysing there inputs and video logs
- Blocked url access reporting and auto alert mail send to managers

