**ABSTRACT**

**Enterprise Employee Operations management with Deep NeuralNetwork**

Cloud based Operations management platform that helps provide visibility in operations of a company on a real time basis.This application helps employers to view operations holistically and identify opportunities for collaboration & optimization across Enterprise.It helps to identify how all teams spend time that impacts customers and enterprise.

**Automated Time Tracking:**Cloud-based solution for attendance and timesheets tracking of employees without any human intervention. It keeps a record of employees log in & log out time, including their actual working, idle, meeting, productive and unproductive time during the day.Track employee work and break times using **deep learning** and can Identify actual time spent on project and task.Employee activities like sleeping,usage of phone can also detect by analysing webcam video.

**Predicting Workplace Absenteeism:** using Deep Learning algorithms that can predict the behavior of employees towards punctuality at workplace.

**Application & URL Tracking:**With activity tracking, get the record of activities performed during the day, this can be achieved with the help of application & URL tracking. These logs are helpful for monitoring the productivity as important apps, URLs, files can be tracked and highlighted under productive & unproductive logs

**Productivity Tracking:**evaluate or track productivity of employees can be done by analyzing actual activity done with time versus expected outcomes from them.

**Project Time Tracking:**Time tracking on the projects and tasks is quite difficult .can easily record hours spent on project and task by linking the files or URLs. It will help in generating the invoice to the clients with the actual working hours thus the employer can easily identify the loss and profitable projects.

**Alert Emails:**For the instant reporting of the team set alerts, for the unproductive activities like using pen-drive, unproductive apps and blacklisted URLs (facebook, instagram, youtube etc). This will help in identifying the irrelevant activities quickly.

Technologies

language -python

tools and sdks- opencv , sklearn ,Django ,Tensorflow

Database:- Amazon DynamoDB