

PROBLEM IDENTIFICATION

ASSIGNMENT

A company works with number of employees, all the works are dependents on the employees. Even if one of the employees resign the job immediately then assigned work will be not finished at the time, so delivery of the project to the clients will be delayed. Company planned to make solution for this, they want to know which employee may resign next. If they know previously, they can arrange alternative to avoid such problem. As an AI Engineer you must give Solution to this.

A.How will you achieve this in AI?

Using AI, we can use date of resignation of the employee working in the company. If the date of resignation comes under this month, then we can assign another new employee for the job.

Prediction: Date of resignation

Call to Action:

1. If it comes under this month or next consecutive days, then new employee will be assigned to the same job
2. If it doesn't exist, then the work will be done continously.

B.Find out the 3 -Stage of Problem Identification

Stage 1: Time series Analysis

Stage 2: Supervised

Stage 3: Classification

C.Name the project

Job Resignation Prediction

D.Create the dummy Dataset.

Employee Name	Employee's Designation	Employee's Resignation Date	Period of Resignation
Suji	Tester	21.1.2024	This month
Joe	Developer	23.4.2024	2 months
Shruthi	Receptionist	-	Nil
Yashna	Tester	29.8.2024	6 months