# Hope Artificial Intelligence

## Scenario Based Learning

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?

B) Find out the 3 -Stage of Problem Identification

C) Name the project

D) Create the dummy Dataset.

# Solved The problem

A) How will you achieve this in AI?

Client side first collect the details in datasets and we are predict the resigning problem in and alternate the employee the position and which types are suitable for ai side domain selection and accurate the predict the supervised learning method

B) Find out the 3 -Stage of Problem Identification
Stage1- Machine Learning
Stage2- supervised Learning
Stage3-Classification

C) Name the project

Employee Resigning prediction

D) Create the dummy Dataset.

| Emp Id | Emp Name | Age | Join Date | Resign date | Reason | Label/output |
|--------|----------|-----|-----------|-------------|--------|--------------|
| AB001 | GUNA | 25 | 15/01/2020 | 30/06/2023 | HEALTH ISSUE | RESIGNED |
| AB002 | AKASH | 26 | 05/05/2021 | ON WORK | | ON WORKING |
| AC005 | PAVI | 28 | 10/01/2022 | 30/07/2023 | PERSONAL | RESIGNED |