# 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 projects 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 of the project

d)Create the dummy dataset

SOLUTION:

a) How will you achieve this in AI?

Data collection:

Gather employees data , including their job roles, performance, tenure, salary, leave history, project assignment.

These data are created in excel sheet

NAMES

NUMBERS

b) Find out the 3 stage of problem identification

Machine learning

Supervised learning

Classification

c)Name of the project

"Employee Resignation Predictor "

d)Create the dummy dataset

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Employee  ID | GENDER | AGE | JOB LEVEL | WORKING  HOURS | LAST PROMOTION | PROJECT COUNT | RESIGNED NEXT MONTH |
| 521 | MALE | 30 | MANAGER | 40 | 1 YEAR AGO | 8 | NOT RESIGNED |
| 522 | FEMALE | 26 | JUNIOR | 25 | 2 MONTHS AGO | 4 | RESIGNED |