a). How will you achieve this in AI ?

Input data – employee ID numbers

Applying employee numbers to the model and based on some factors, model can predict the output (whether the employee is going to resign or not).

Output data – employee will Resign / 1 or employee will not Resign / 0

b).Find out 3 stage of Problem Identification ?

Stage 1 – Machine Learning

Explanation : As the input data is employee ID numbers which is a numerical data. So domain can be selected as Machine Learning

Stage 2 – Supervised Learning

Explanation : Company’s requirement is clear. Input data and output data are present.

Stage 3 – Classification

Explanation : Here the predicted Output will be either “Resign” or “Not Resign”, So the output will be a categorical data.

c). Name the project : Early Prediction of Resource Resignation

d). Create the dummy dataset:

|  |  |
| --- | --- |
| Employee ID numbers | Output Data |
| 12345 | Resign / 1 |
| 74185 | Not Resign / 0 |
| 98653 | Not Resign / 0 |
| 52634 | Resign / 1 |
| 65234 | Not Resign / 0 |