**QUESTION**

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.

**How will you achieve this in AI?**

Company will have the data of employee who resigned previously. No of days employee worked for the company, Engagement score, Loyalty score with these data we can predict the employee resignation.

**Find out the 3 -Stage of Problem Identification**

Stage 1 – Machine Learning (inputs are in number)

Stage2 – Supervised Learning (inputs and output are clear)

Stage3 – Supervised classification

**Name the project**

Employee resignation prediction

**Create the dummy dataset**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Emp name | No of days worked | Engagement score | Loyalty score | output |
| ram | 120 | low | low | High chance for resign |
| raju | 400 | medium | high | Medium chance for resign |
| akshy | 180 | high | low | High chance for resign |