**Domain (Stage 1) -** Machine Learning

**Learning Type (Stage 2)** - Supervised Learning

**Problem Type (Stage 3)** - Classification

**Project Name** - Employee Resignation Prediction System

**Dummy Data Set:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Employee\_ID | Age | Tenure (years) | Job Satisfaction (1-5) | Performance Score (0-100) | Number of Projects | Last Promotion (years ago) | Resigned (Yes=1, No=0) |
| 1 | 29 | 3 | 4 | 85 | 5 | 2 | 0 |
| 2 | 35 | 7 | 2 | 70 | 3 | 4 | 1 |
| 3 | 40 | 10 | 3 | 75 | 4 | 1 | 0 |
| 4 | 25 | 1 | 5 | 90 | 2 | 0 | 0 |
| 5 | 50 | 20 | 2 | 60 | 6 | 5 | 1 |
| 6 | 30 | 4 | 4 | 80 | 4 | 3 | 0 |
| 7 | 45 | 12 | 3 | 65 | 5 | 2 | 1 |