Project: Bankruptcy Prevention

**Business Objective:**

This is a classification project, since the variable to predict is binary (bankruptcy or non-bankruptcy). The goal here is to model the probability that a business goes bankrupt from different features.

The data file contains 7 features about 250 companies

The data set includes the following variables:

1. industrial\_risk: 0=low risk, 0.5=medium risk, 1=high risk.
2. management\_risk: 0=low risk, 0.5=medium risk, 1=high risk.
3. financial flexibility: 0=low flexibility, 0.5=medium flexibility, 1=high flexibility.
4. credibility: 0=low credibility, 0.5=medium credibility, 1=high credibility.
5. competitiveness: 0=low competitiveness, 0.5=medium competitiveness, 1=high competitiveness.
6. operating\_risk: 0=low risk, 0.5=medium risk, 1=high risk.
7. class: bankruptcy, non-bankruptcy (target variable).

**Acceptance Criterion:**

Need to deploy the end results using Flask /Streamlit.etc.

**Milestones:**

30 days to complete the Project

|  |  |  |
| --- | --- | --- |
| **Milestone** | **Duration** | **Task start - End Date** |
| Kick off and Business Objective discussion | 1 day | 11-Jul-2024 |
| Data set Details | 2 to 3 days | 15-Jul-2024 (date may differ) |
| EDA | 2 to 3 days | 17-Jul-2024 |
| Model Building | 1 Week | 24-jul-2024 |
| Model Evaluation | 1 Week | 31-jul-2024 |
| Deployment & PPT | 1 Week | 7-Aug-2024 |

Protocols:

1. All participants should adhere to agreed timelines and timelines will final presentation day. Not be extended.
2. All the documentation – Final presentation and python code to be submitted after the final review meet.
3. All the participants must attend review meetings