

## 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	
Data set Details & EDA	1 Week	
Model Building	1 Week	
Model Evaluation	1 Week	
Deployment & PPT	1Week	
Presentation	1 day	

### **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 before the
- 3) All the participants must attend review meetings