**Problem Statement:**

Bankruptcy due to business failure negatively effects the enterprise and its economy. The distresses in the company leads to bankruptcy if it is not altered at the right time. Corporate Bankruptcy is considered to be the most crucial problem in the financial domain. The aim is to build a successful machine learning model that allows the stakeholders to check the status of their business. This will help the stakeholders by providing early warnings, enabling proactive measures to prevent financial distress and to reduce the economic impact of bankruptcy.

**Steps to follow in project:**

1. **EDA** 
   1. Describing the dataset: Understand the structure, variables, and overall characteristics of the dataset.
   2. Cleaning the data: Address any inconsistencies, errors, or anomalies in the dataset.
   3. Checking invalid records: Identify and handle any records that do not adhere to defined data standards.
   4. Missing value detection and imputation: Analyse and address missing values in the dataset through appropriate imputation techniques.
   5. Duplicated records: Identify and handle any duplicate entries in the dataset.
   6. Outliers: Detect and address outliers that may impact model performance.
   7. Etc.
2. **Data Visualisation**

Utilise various graphs for data visualisation, including but not limited to:

a. Histograms

b. Box plots

c. Scatter plots

d. Heatmaps

e. Pie charts

f. Bar charts

1. **Feature engineering**
   1. Encoding categorical variables
   2. Handling numerical variables (scaling, normalisation)
   3. Creating interaction terms
   4. Handling time-related features
   5. Feature selection based on relevance
   6. Any other relevant techniques based on the dataset
2. **Model building**
   1. Logistic Regression
   2. Decision Trees
   3. Random Forest
   4. Support Vector Machines (SVM)
   5. Gradient Boosting
   6. Neural Networks (if applicable)
   7. Any other relevant classification algorithms
3. **Hyperparameter tuning**

If required, fine-tune the hyperparameters of selected models using techniques like Grid Search or Random Search.

1. **Model evaluation**

Evaluate models using appropriate metrics for classification, including but not limited to:

a. Accuracy

b. Precision

c. Recall

d. F1 Score

e. Area Under the Receiver Operating Characteristic (AUROC) curve

f. Confusion Matrix

1. **Model deployment**

Once a satisfactory model is achieved, deploy it for real-world use, considering factors like scalability, ease of integration, and maintenance.

By following these steps, the project aims to create a robust bankruptcy prevention model that undergoes thorough exploration, preprocessing, visualisation, and evaluation, leading to effective deployment in practical scenarios.