** GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY (Autonomous)**

**Cheeryal (V), Keesara (M), Medchal Dist., Telangana - 501 301**

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

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**MINI PROJECT ABSTRACT**

**IV B.Tech. I SEM CSE - C Section**

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| **BATCH NUMBER:**  **C13** | **Mini Project** | **Academic Year:**  **2024-2025** |

**PROJECT TITLE:** Insolvency Predictor using Time series

**TEAM MEMBERS:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.No.** | **Roll Number** | **Student Name** | **MailId** | **Contact Number** |
|  | 21R11A05A7 | 1. Shriya | 21r11a05a7@gcet.edu.in | 9391088964 |
|  | 21R11A05A8 | 1. Sai Srujana | 21r11a05a8@gcet.edu.in | 8790651120 |
|  | 21R11A05E6 | Shyamala Chandu | 21r11a05e6@gcet.edu.in | 7842143283 |

**GUIDE DETAILS:**

|  |  |
| --- | --- |
| **Name of the Guide** | S. Radha |
| **Designation** | Sr. Assistant Professor |
| **Department** | CSE |
| **MailID** | radhacse@gcet.edu.in |
| **Contact Number** | 9849166200 |

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***Project In-charge Guide with Date Project Coordinator***

**ABSTRACT**

Bankruptcy prediction is an important problem in finance, since successful predictions would allow stakeholders to take early actions to limit their economic losses. This is often the first step used by ratings agencies to detect financial distress in firms. Based on the predictions of bankruptcy models, ratings agencies investigate and assess credit risk.

Predicting bankruptcy involves forecasting the likelihood of a firm experiencing financial distress or facing insolvency. This predictive capability is invaluable to creditors and investors, enabling them to assess the risk associated with lending or investing in a particular entity. Additionally, early warnings of potential bankruptcies are crucial for public policymakers, allowing them to implement proactive measures to minimize the broader economic impact of such occurrences.

In essence, refining these models not only safeguards the interests of investors and creditors but also facilitates informed decision-making by policymakers, contributing to the stability and resilience of modern economies.

**Keywords:**

Exploratory Data Analysis, Undersampling, Oversampling, Logistic Regression

**Objective:**

* Maximize data visualization, analytics, and decision-making capabilities through effective utilization of Power BI and Tableau.
* To develop a predictive model to forecast bankruptcy risk for companies, enabling stakeholders to proactively mitigate financial distress and make informed decisions.

**REFERENCES:**

* https://www.aimspress.com/article/doi/10.3934/DSFE.2021010?viewType=HTML
* <https://www.sciencedirect.com/science/article/abs/pii/S0957417417302415>
* https://ieeexplore.ieee.org/document/10080089

**Date of Submission:** 27-04-2024

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**Guide with Date Project In-charge**