**Project Design Phase-I**

**Proposed Solution**

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| Date | 21 October 2023 |
| Team ID | PNT2022TMIDxxxxxx |
| Project Name | Project – Anticipating Business Bankruptcy |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

Project team shall fill the following information in proposed solution template.

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| **S.No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | Financial distress that leads to business failure is a major concern for organizations in all industries. Knowing the early signs of financial instability and having effective systems in place to proactively address it is essential to ensure business survival and minimize the economic impact.  **Key challenges include:**  **Early identification:** Businesses often struggle to recognize and respond to early signs of financial distress in a timely manner.  **Data complexity:** Integrating multiple data sources can be challenging in order to create a comprehensive view of a business’s financial health.  **Decision making:** Without a strong decision support system, businesses often respond to financial challenges late and inadequately. |
| 2. | Idea / Solution description | The solution is a full-featured BFSM. It combines predictive analytics with machine learning to analyse financial information, market dynamics, and external drivers. The system provides real-time actionable insights to stakeholders through a user-friendly dashboard.  **Components:**   **Predictive Analytics:** Utilizes ancient economic records and marketplace tendencies to forecast the probability of financial ruin.  **Data Integration:** Integrates economic statements, marketplace records, and macroeconomic signs for a holistic view.   **Decision Support System:** Provides a user-pleasant dashboard for stakeholders to interpret consequences and make knowledgeable decisions. |
| 3. | Novelty / Uniqueness | **Comprehensive Methodology:** The mix of different informational indexes for a far-reaching monetary well-being evaluation separates our answer.  **Continuous Observing:** Nonstop observing guarantees opportune reactions to advancing monetary circumstances.  **Easy to use Point of interaction:** The plan focuses on openness, permitting even non-specialists to decipher and follow up on the framework's experiences. |
| 4. | Social Impact / Customer Satisfaction | **Proactive Risk Mitigation:** Early detection allows for timely interventions, safeguarding jobs and sustaining businesses.  **Resource Optimization:** Businesses can allocate resources more efficiently based on accurate predictive analytics.  **Economic Stability:** The solution contributes to overall economic stability by reducing the number of businesses facing bankruptcy. |
| 5. | Business Model (Revenue Model) | **Monetization strategy:**   **Subscription model:** Businesses pay for the service based on the scope and usage of the service.  **Customization fees:** Additional fees for customizing the solution to the specific industry.  **Consulting services:** Expert advice for interpreting results and making strategic decisions |
| 6. | Scalability of the Solution | **Cloud-based Architecture:** Enables easy scalability based on user demand.  **Modular Design:** Components can be scaled independently, allowing for targeted expansion.  **Global Applicability:** The solution is designed to adapt to diverse industries and global markets. |