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***MALNUTITION DATA ANALYTICS***

**Project Report**

**Information Visualization**

**CSE3121**

**M.Tech CSE with Specialization in Business Analytics**

**School of Computer Science and Engineering (SCOPE)**

**VIT Chennai**

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**Slot: C1**

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**Abstract:**

This project aims to combat Nation wise malnutrition through a data-driven approach, utilizing advanced analytics to analyze diverse datasets on nutrition, health, and the environment. The research involves a thorough data collection strategy, incorporating anthropometric measurements, dietary patterns, and demographic information. By applying machine learning algorithms and statistical modelling, the project seeks to identify patterns, correlations, and key factors contributing to malnutrition.

Predictive modelling will forecast malnutrition trends using historical data and external variables like climate patterns and economic indicators. This enables the implementation of proactive measures and efficient resource allocation to prevent malnutrition-related issues. Community engagement is integral, incorporating qualitative data through surveys and interviews to understand cultural practices and community-specific challenges.

The anticipated outcome is a set of data-driven recommendations for policymakers and healthcare practitioners. These evidence-based insights aim to inform targeted interventions, addressing the root causes of malnutrition globally. By emphasizing proactive and sustainable strategies, this project seeks to contribute to more effective public health measures and improved outcomes in the fight against malnutrition.