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| **Department of Computer Science & Engineering (Data Science)** | | **SCEM / CD**  **2023-24** | | | | |
| **VISUALIZATION & DS MINI PROJECT – 18ADL76** | | | | | | |
| **Proposed Mini Project Synopsis – VII Sem CSE (DS)** | | | | | | |
| **Student Name** | | | **USN** | | **Student Signature** | |
| 1. TAMIM MUHAMMED MUSHTAK | | | 4SF20CD052 | |  | |
| 2. NADHEEF AHMED | | | 4SF20CD063 | |  | |
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| **Faculty In charge** | | | | | | |
| **Name:** | **Mrs. Shwetha S Shetty** | | | **Signature with Date:** | |  |
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| **Mini Project Title:** | Examination of Poverty Dynamics through Data Visualization | | | | | |
| **Mini Project Description:**  This project employs predictive modeling and data visualization to provide an in-depth analysis of poverty dynamics. Utilizing machine learning techniques, the study predicts future poverty rates based on obtained national census data, while also exploring the intricate relationships between socio-economic indicators, education, employment, and healthcare. The visual representations, presented through interactive dashboards, present insights into the poverty dynamics. Employment trends, educational complexities and income correlations are examined to understand the complex interplay between employment opportunities and poverty. Additionally, healthcare disparities and their contribution to poverty are visualized. The machine learning algorithms predict future poverty rates, enabling decision makers understanding toward long-term solutions. | | | | | | |
| **References:**  [1] P. S. Das, H. Chhabra and S. K. Dubey, "Socio Economic Analysis of India with High Resolution Satellite Imagery to Predict Poverty," 2020 10th International Conference on Cloud Computing, Data Science & Engineering (Confluence), Noida, India, 2020, pp. 310-314, doi: 10.1109/Confluence47617.2020.9057972.  [2] G. D. Singh, H. Vig and A. Kumar, "A data visualization approach for predicting the income class of the population," 2021 5th International Conference on Electronics, Communication and Aerospace Technology (ICECA), Coimbatore, India, 2021, pp. 1042-1047, doi: 10.1109/ICECA52323.2021.9675850. | | | | | | |