CITATION REPORT

Developing a predictive model in GST

Have to develop predictive model for given data-set of GST.

1. **Libraries and Frameworks Used :**
   1.1 NumPy: Used for numerical computations, array operations, and mathematical functions.
   Citation: Harris, C. R., et al. (2020). Array programming with NumPy. Nature, 585(7825), 357–362.

   Pandas: Used for data manipulation and analysis, including reading and preprocessing datasets.
   Citation: McKinney, W. (2010). Data Structures for Statistical Computing in Python. In Proceedings of the 9th Python in Science Conference (pp. 51-56).

   Matplotlib: Used for visualizing the data through charts and graphs.
   Citation: Hunter, J. D. (2007). Matplotlib: A 2D Graphics Environment. Computing in Science & Engineering, 9(3), 90-95.

   Scikit-learn: Used for implementing machine learning models, including classification, regression, and clustering algorithms.
   Citation: Pedregosa, F., et al. (2011). Scikit-learn: Machine Learning in Python. Journal of Machine Learning Research, 12, 2825–2830.

2. **Dataset :**
   Dataset Name: Train_60 (Training Data-set), Test_20 (Testing Data-set)
   Dataset Source: Provided by GST Official Website

3. **Tools and Platforms:**
   Jupyter Notebook: Used as the primary IDE for developing the data science solutions.
   Citation: Kluyver, T., et al. (2016). Jupyter Notebooks—a publishing format for reproducible computational workflows. In Positioning and Power in Academic Publishing: Players, Agents and Agendas (pp. 87-90).

4. **Plagiarism Declaration**
   I hereby declare that the work presented in this project/report is original and has been carried out by me to the best of my abilities. I have properly cited all resources, references, and tools used during the project. I confirm that no part of this work has been copied or taken from unauthorized sources without due acknowledgement. I understand the consequences of plagiarism and affirm that this submission complies with the ethical standards required.