School of Computing Science and Engineering

Academic Year: 2024 - 2025 ***(Fall Semester)***

Geospatial Analysis and Machine Learning Model for Sustainable Climatic Changes

Capstone Project (CSE4095) Project

Group No: 180

Name of the Student(s) & Register Number:

S. No.	Registration No.	Name	Signature
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Project Area: Geospatial Analysis and Machine Learning Model for Sustainability and Climatic Changes.

Proposed Project Title: Geospatial Intelligence and Machine Learning Model for Sustainable Climate Solutions.

Short Description: The objective of this project aims to harness the power of geospatial analysis and machine learning to address sustainability and climate change challenges. Utilizing Google Earth Engine (GEE) for comprehensive geospatial data analysis and integrating advanced ML models, the project seeks to provide valuable insights into climatic patterns, predict weather anomalies, and suggest actionable solutions for sustainable development. The focus will be on enhancing the accuracy of climate forecasting and developing strategies to mitigate the adverse effects of climate change.

Dr. Shahab Saquib Sohail
Name and Signature of supervisor **Signature of the Program Chair**
Date: