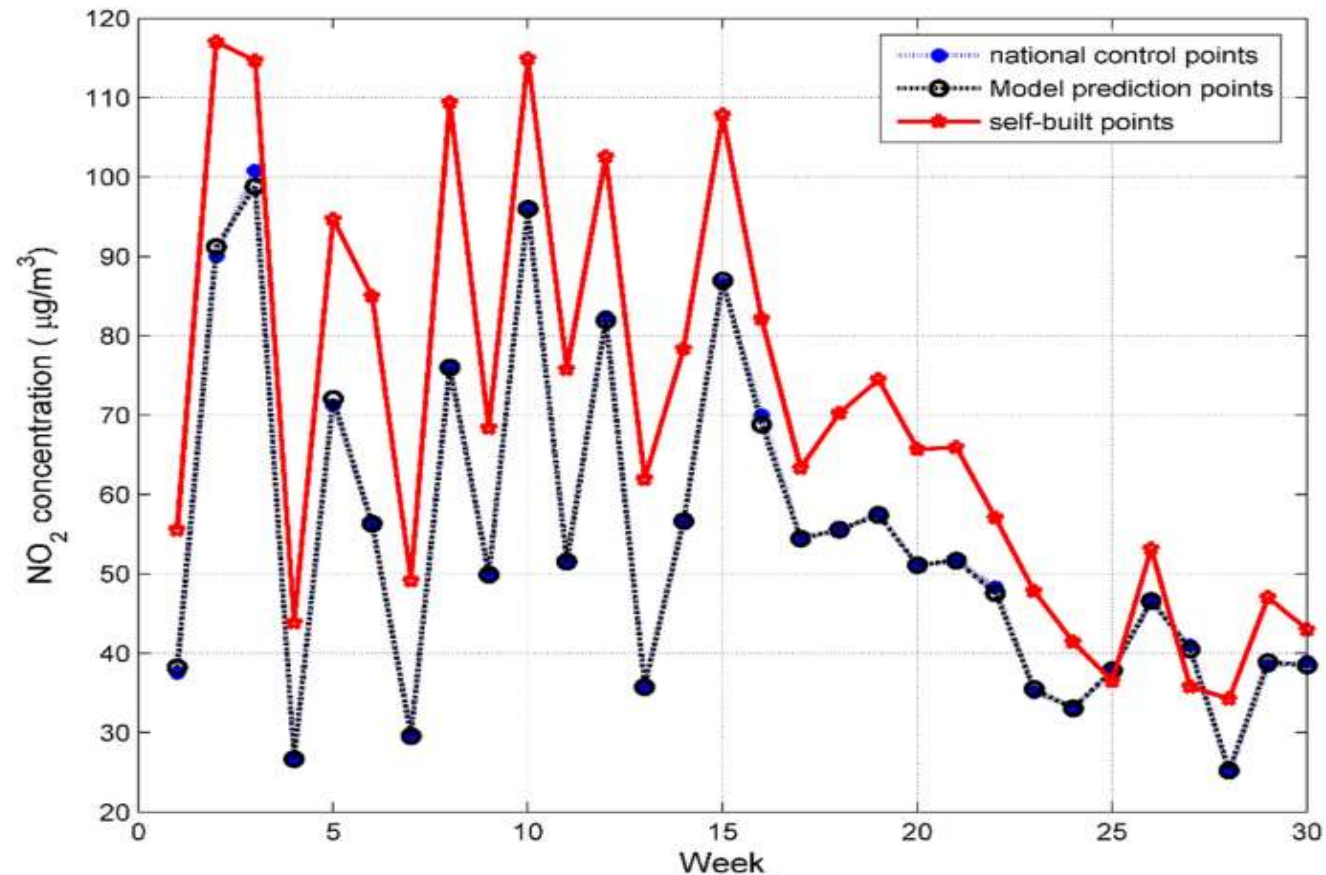


AIR QUALITY ANALYSIS AND PREDICTION IN TAMILNADU

PROBLEM DEFINITION:-

The project aims to analyze and visualize air quality data from monitoring stations in Tamil Nadu.



SUBTITLE:-

- ✓ Project Objectives
- ✓ Analysis Apporach
- ✓ Visualization Techniques

DATA PREPROCESSING:-

The preprocessing phase includes the handling of missing data, handling of the outliers, data de-trending and data smoothing.

ANALYSIS OF DATA FOR AIR POLLUTION:-

***The pollution mix across india with
virtually all sites in northern india(north of
23.5⁰)***

PROJECT OBJECTIVES:-

- ❖ Analysis air quality trends
- ❖ Identifying pollution hotspots
- ❖ Predictive models for RSPM/PM10 Levels

VISUALIZATION TECHNIQUES:-

- Line charts
- HeatMap

EVALUTION:-

Evaluate this models performance using appropriate time series forecasting metrics