

AIR QUALITY ANALYSIS AND PREDICTION IN TAMILNADU

PROBLEM:

Long-term exposure to polluted air can have permanent health effects such as: Accelerated aging of the lungs. Loss of lung capacity and decreased lung function.

Data Quality and Availability.

Variability in Air Quality.

Meteorological Factors.

Emission Sources and Monitoring.

Public Awareness and Policy Implementation.

Seasonal Variations.

Health Impacts and Vulnerable Populations.

Modeling Complexity.

Resource Constraints.

Development of diseases such as asthma, bronchitis, emphysema, and possibly cancer.

Flow chart:

