Nagaland Pollution Control Board Mobile App

User or App Interface:

- Air Quality Index (AQI):
    - Browse Map: View a map of Nagaland with markers for each city. Each marker displays the current AQI for that city, using color-coded indicators for easy understanding.
    - View City List: Access a list of all cities in Nagaland, alongside their corresponding AQI values. You can sort and filter the list based on AQI or other criteria.
    - Get Details: Tap on a city marker or list item to see detailed information about the AQI, including air quality parameters like PM2.5, PM10, and ozone levels.
- Complaint Management:
    - Login/Signup: Register or log in using your mobile number and a one-time password (OTP) for secure access.
    - Submit Complaint: Report environmental issues by adding details like description, pictures, and your location. The app helps ensure accurate location data for effective complaint handling.
    - Track Complaints: View a list of your submitted complaints and their current status (e.g., pending, assigned, resolved).
    - Receive Updates: Get notified via push notifications whenever the status of your complaint changes. You can then accept or reject the resolution provided.

Admin Role in the Nagaland Pollution Control Board Mobile App

It would be a web-based admin panel for complaint management adding AQI data.

Key Functionalities:

- Complaint Overview: Access a dashboard displaying all submitted complaints in various stages (pending, assigned, resolved).
- Complaint Assignment: Assign complaints to the relevant government department based on the reported issue and location. This ensures efficient handling and expertise in addressing specific concerns.
- Status Updates: Update the status of complaints as they progress through investigation, action, and resolution. This allows users to track their complaint's progress and transparency.

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- Communication: Send push notifications to users informing them of status updates, requesting additional information, or seeking clarification. This facilitates two-way communication and promotes collaboration.
- Data Analysis: Access reports and insights on complaint trends, locations, and types of issues reported. This allows the admin to identify problem areas and prioritize resources effectively.
- User Management: Manage user accounts, This ensures appropriate access control and system security.
- Masters controls
  1) Adding cities:
  2) Adding AQI data of cities manually per city.
  3) Parameter and sub indices per city.