Swami Keshvanand Institute of Technology, Management & Gramothan
Ramnagaria, Jagatpura, Jaipur

Department of Information Technology
Major Project – VIII Semester (2022-23)

ABSTRACT

Title: Weather Forecasting And Air Quality Monitoring System

This project aims to integrate weather forecasting and air quality monitoring by utilizing application programming interfaces (APIs). The primary objective is to develop a comprehensive system that offers accurate weather predictions and real-time air quality data to users. To achieve this, a variety of weather and air quality APIs are employed to gather essential information, including temperature, humidity, wind speed, and pollutant levels. These APIs facilitate seamless data retrieval and processing, ensuring that the results are up-to-date and reliable. The system strives to enhance user awareness and decision-making concerning weather conditions and air quality, empowering individuals to make informed choices for their daily activities. By leveraging APIs, this project provides an efficient and accessible solution for weather forecasting and air quality monitoring, contributing to the improvement of public health and environmental consciousness. The project's integration of APIs offers a robust foundation for future developments and advancements in the field of weather and air quality analysis. Overall, this project serves as a valuable tool for both individuals and organizations, aiding in better planning, resource management, and the promotion of sustainable practices.

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