## VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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**NoSQL Report**

**ON**

**“A Cloud based weather App using GOOGLE CLOUD Functions and Open Weather API”**

**BACHELOR OF ENGINEERING**

in

#### INFORMATION SCIENCE AND ENGINEERING

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**ABSTRACT**

The Weather App project is a simple and practical example of how to build a cloud-based application using Google Cloud Functions and Open Weather Map API. The application allows users to check the current weather conditions for any city around the world by retrieving weather data from a reliable weather API and displaying the temperature, humidity, wind speed, and other relevant information for the specified city. The project is designed to be scalable and able to handle a large number of requests without affecting its performance or availability. The application is easy to use and accessible from any device with an internet connection. This project provides a solid foundation for further development and customization and can be used as a starting point for building other cloud-based applications.

Google Cloud is a comprehensive suite of cloud computing services offered by Google. It provides businesses and individuals with a wide range of tools and services for building, deploying, and managing applications and services on the cloud. Some of the key services provided by Google Cloud include computing, storage, networking, databases, analytics, machine learning, and more.

Google Cloud allows users to scale their applications and services dynamically based on demand, ensuring optimal performance and availability. The platform is built on top of Google's global network infrastructure, which provides high-speed connectivity and low-latency access to services and data. Overall, Google Cloud provides a reliable, secure, and scalable platform for building and running applications on the cloud, allowing businesses and individuals to leverage the benefits of cloud computing while reducing costs and increasing efficiency.

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