# **Abstract**

In today's era of big data, data analysis has become a crucial process for extracting meaningful insights from large and complex datasets. Cloud computing has emerged as a powerful solution for scalable and efficient data analysis, providing on-demand access to computing resources, storage, and services over the internet. In this report, we present a cloud computing project named "POGIL Data Analysis" that aims to implement cloud computing techniques on an existing data analysis project. We discuss the architecture/frameworks, hardware and software requirements, experiment and results, and future work of the project, highlighting how cloud computing has resulted in advantages such as improved scalability, performance, and cost-effectiveness.