**Abstract**

*The* CRUD *acronym identifies all of the major functions that are inherent to* relational databases *and the applications used to manage them, which include Oracle Database, Microsoft SQL Server, MySQL, and others. The purpose of the engineering work was to develop a application to maintain and manage information. The application had to be simple and easy in order to use. The application was implemented using the Python 3.9 programming language and to create a simple and versatile CRUD application. This data is typically organized into a database, which is simply an organized collection of data that may be viewed electronically. There are many types of databases: hierarchical databases, graph databases, and object-oriented databases to name a few. The most commonly implemented type of database is a* relational database*, which consists of data tabled in rows and columns and connected to other tables with complementary information by a system of keywords that includes* primary keys and foreign keys. *In a relational database, each row of a table is known as a tuple or a record. Each column of the table represents a specific attribute or field. The four CRUD functions can be called by users to perform different types of operations on selected data within the database. The PostgreSQL relational database was used with the application. The application interface was created using TkInter the Python library.*