“KAWASAKI”

A COMPUTER SCIENCE PROJECT REPORT

SUBMITTED BY

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IN

COMPUTER SCIENCE (083)

AT

SHREE BHAVNAGAR JILLA LEUVA PATEL EDUCATION & MEDICAL TRUST-SURAT

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CERTIFICATE

This is to certify that **Mr Devkumar Chhatrala** is a student of J. B. Diamonds & KARP Impex Vidya Sankul, who has successfully completed the project work on title **KAWASAKI** in **COMPUTER SCIENCE (083)** assigned to him as a part of AISSCE curriculum during the academic year **2022-23.**

We found him very sincere, hardworking and disciplined boy.

We wish all the success for his future endeavors.

…… ……

Signature of the Internal Examiner **Signature of the External Examiner**

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Principle Signature

PROJECT FILE

ACKNOWLEDGEMENT

I would like to express my special thanks of gratitude to my Computer Science teacher **Mr. Ajay Tiwari Sir** as well as our principal **Mr. Gaurang Patel Sir** for their guidance and support in completing this wonderful project entitled **"KAWASAKI"** using **Python - MySQL connectivity**".

I came to know about many new things. I am really thankful to them.

A debt of gratitude is also owed to my parents and friends who helped me with their valuable suggestions.

Although this report has been prepared with utmost care and deep routed interest, even then I accept respondents and imperfections.

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Aim

KAWASAKI
Using MYSQL Connectivity

Introduction

- **What is Python?**
  - The Python Programming Language is a recent, general-purpose and higher-level programming language. It has features for database programming also.
  - This project aims on explaining how one can create a MySQL database from within a Python script and create a user interface software.

- **Why Python?**
  - Due to its open source nature, Python has been ported to many platforms.
  - It is free and open source. It is available for free and runs on almost every current platform.
  - Python provides interfaces to all major commercial databases.
  - It can easily integrated with C, C++, COM, Java, MySQL, etc.

- **What is MySQL?**

  - MySQL is a freely available open source Relational Database Management System (RDBMS) that uses Structured Query Language (SQL).
  - It provides you with a rich set of features that support a secure environment for storing, maintaining, and accessing data.

- **Why MySQL?**

  - It is an open source software and is easily portable.
  - It is easy to use, manage and works quickly and efficiently.
  - It is used to create databases, manage security of a database.
  - It maintains integrity and reduces data redundancy.

Python is a Front End Software

MySQL is a Back End Software

Interface Python with MySQL

There are mainly seven steps that must be followed in order to create a database connectivity application.

Step 1 – Start Python

Step 2 – Import the packages required for database programming.

Step 3 – Open a connection to database.

Step 4 – Create a cursor instance.

Step 5 – Execute a query.

Step 6 – Extract data from result set.

Step 7 – Clean up the environment.

- C.S. Textbook Class 12
- Python IDLE Help
- Tkinter Module Book

THANK YOU