**Badminton Coaching Assistance System using Deep Learning Installation Kit Manual**

This file is the documentation of the installation manual and guide to setup the proposed system. For more detail installation, please proceed to Chapter 4 of the FYP Report. Or else just follow the step here to access the proposed system.

Below are the important tools and kits needed to download and install for the system to run.

1. Python
2. MySQL Workbench
3. **Setup and installation of Python**

Download Python from the link here and install Python using the file:

<https://www.python.org/downloads/>

1. Setup Python environment at your Environment Variables:

Graphical user interface, text, application, email

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1. Add the directory to your Python path to your environment variables show in the figure.
2. Then, open your command prompt and type “python” to check your Python install successfully. If successfully install the you will be able to write command in Python shown in figure below.

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1. After that, type “exit()” to exit from your Python compiler.
2. Then, key in the command below here one by one to install the tools into your environment.

pip install flask-mysqldb

pip install flask

pip install opencv-python

pip install -U numpy

pip install mediapipe

1. **Setup MySQL Workbench**
2. Download MySQL Workbench from the link below and install it:

<https://dev.mysql.com/downloads/workbench/>

1. Follow the video link provided to install MySQL Workbench:

<https://www.youtube.com/watch?v=OM4aZJW_Ojs>

1. Open MySQL Workbench, enter your local connection and create a database and name it coachlogin

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1. Use the query in the file name “CreateTableQuery.sql” to create accounts and training\_record table inside coachlogin.
2. After that, enter the query in the file “InsertTestingData.sql” to create some mock data for testing.
3. Right click the app.py file from the folder and select edit, at line 18, change “abc60458” to your database password, or you can remove that line if you have no password to access your database.

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1. Finally, double click the app.py file to run the file and open your browser and type “localhost:5000”. The system can be used now. Please do not close the app.py file until you finish using the system.