**QML-for-Conspicuity-Detection-in-Production**

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**Summary of Files**

The following are the files:

1. Marcia\_Hon\_Project\_Question\_01.doc (word)
2. Marcia\_Hon\_Project\_Question\_02.ipynb (Jupyter Lab – Python)
   1. iris\_classes1and2\_scaled.txt
   2. parity\_test.txt
   3. parity\_train.txt
3. Marcia\_Hon\_Project\_Question\_03.ipynb (Jupyter Lab – Python)
   1. q\_test\_images.npy
   2. q\_train\_images.npy

**Summary of Deliverables**

1. Marcia\_Hon\_Project\_Question\_01.doc

Contains all correct solutions to PennyLane Codebook modules: “Introduction to Quantum Computing”, “Single-Qubit Gates” and “Circuits with Many Qubits”.

2. Marcia\_Hon\_Project\_Question\_02.ipynb

Based: <https://pennylane.ai/qml/demos/tutorial_variational_classifier/>

Working code + detailed explanations.

3. Marcia\_Hon\_Project\_Question\_03.ipynb

Based: <https://pennylane.ai/qml/demos/tutorial_quanvolution/>

Working code + detailed explanations.