Student Name : Patrick Marnane - 03028003

Project Repo URL : https://github.com/pamarnane/IIoT\_Retrofit

YouTube URL : <https://youtu.be/MGYKXolT_xI>

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| **Grade Band** | **Combined Knowledge** | **Networking Technologies** | **IoT Solution** | **Communication** |
| **Base** |  |  |  |  |
| **Good** |  |  |  |  |
| **Excellent** |  |  | Good prototype that could be used in a manufacturing environment using appropriate Edge Gateways in place of RPis.  Machine Learning could be applied to manufacturing processes. | YouTube video provided and detailed README on GitHub repository. |
| **Outstanding** | Use of Network Security, HTTP API, MQTT Messaging as well as creating new MQTT Broker with TLS. MongoDB Cloud server usage | Use of different subnets, Port Forwarding and Dynamic DNS on Router. MQTT Messaging & HTTP API. |  |  |

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Additional Comments:

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