Student Name   : Conor Brennan
Project Repo URL   : https://github.com/seabee14/weatherPi2

Grade Band	Combined Knowledge	Networking Technologies	IoT Solution	Communication
Base				
Good	3 main python scripts. SQL used to create database to store the data. Linux used for creating files/ folders		3 sensors used to process data. Viewed in real time on Blynk app, which links to ThingSpeak where data can be viewed on graphs at 15 second intervals	
Excellent		Lightweight messaging and reacts/tweets via ThingSpeak. Tweet notification via Postman. Interconnected devices between Raspberry Pi, iPhone and laptop.		Repository with clear documentation. ReadMe and Youtube video and learning resources.
Outstanding				

_____

Additional Comments: Youtube Video Link: https://youtu.be/iAphvJbX9zs

Grade Spectrum

	Combined knowledge (15)	Networking/IoT Technologies (35)	IoT Solution (35)	Communication (15)
Base (40-49)	2 programme strands present in output. Basic knowledge of each exhibited. (e.g. programming, database, computer systems)	Physical/Data link layer solution. Minimal devices	Basic solution that may form basis of overall application. Sensor focused.	Minimal (1) communication resource used (simple read me) and video.
Good (50-64)	Apply concepts from more than two modules/strands..	Wireless/Wired protocols including network and transport layer. >1 protocol. Interconnected devices.	Solution with clear IoT and domain application. Includes data processing/ gateway function.	Portfolio/repository includes clear presentation, documentation.
Excellent (65-80)	>2 strands as above and including more advanced knowledge and concepts.	Lightweight messaging. Network/API programming. Architecture/ IOT Framework that mediates between high and low level devices.	IoT Application of good prototypical standard. Used to evaluate overall suitability for a production system.	Additional communication resources (e.g. instruction video, learning resources, installation guide)
Outstanding (80-100)	All above, including self-acquired knowledge over and above module content.	All previous to excellent level. Excellent Use of Cloud/IoT specific platforms	Novel solution of clear applicability to specific domain. **Could result in employment offer.**	All the above to excellent level, accessible project platform (e.g. web site)