Student Name :
Project Repo URL :

Grade Band	Combined Knowledge	Networking Technologies	IoT Solution	Communication
Base				
Good	Python, sql, c/processing for Arduino	Wifi, serial communication	Uses Wia platform,	Git repo and video available
Excellent				
Outstanding				

Additional Comments:

Originally planned to communicate with the ultrasound sensor directly using its serial output but this would not return any valid data. I confirmed the serial connection was working by connecting a bench scales with a RS232 output to the Rpi. When the scales stabilised, the weight was displayed on the pi terminal.

Grade Spectrum

	Combined knowledge (15)	Networking 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 protocols. >1 protocol. Interconnected devices.	Solution with clear IoT and domain application. Includes processing/ gateway function	Portfolio/repository incl udes clear presentation, documentation.
Excellent (65-80)	>2 strands as above and including more advanced knowledge and concepts.	Lightweight messaging. Architecture that mediates between high and low level devices.	IoT Application of good prototypical standard. Used to evaluate overall suitability for a production system.	Additional communicati on resources (e.g. instruction video, learning resources)
Outstand ing (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, accessible project platform (e.g. web site)