

Embedded Systems Mark scheme
Coursework 1: Internet of Things
 Due on 14 February 2019

Criterion	Max. mark	Demo	Code	Webpage	Max.	Marking Scale			Min.
Correct reading of sensor data	20	✓	✓			Yes		No	
Sending of data to MQTT broker	20	✓	✓			Yes		No	
Data processing and formatting	10	✓	✓		User-friendly display on app or webpage of real units with use of event detection, statistics or compression	Some data processing and formatting		Raw sensor data uploaded in JSON format	
Efficient and maintainable code	10		✓		Code minimises computation and memory usage. Well organised and commented	Functional code with comments		Buggy, uncommented code	
Imaginative product	10	✓		✓	Innovative product with sales potential. Clever application of technology	Interesting product with appropriate use of sensor		Less interesting product with trivial use of sensor	
Marketing	15			✓	Compelling marketing with data and graphics used to promote product	Clear presentation of product function and benefits		Unconvincing product description	
Additional sensors, other I/O, cloud functionality and/or connectivity	15	✓	✓	✓	Successful implementation of additional features	Feasible additional features clearly described and motivated on webpage Or attempt at implementation of additional features		No extra features	