Embedded Systems Mark scheme
Coursework 1: Internet of Things

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	✓	✓		Conversion to real units and use of event detection, statistics or compression	Some data processing. Messages formatted in JSON		Raw sensor data uploaded
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