

**Undergraduate Programmes - Individual Coursework Assessment Report**

**Module code, initials and date:**

|  |
| --- |
| **WM380 - IoT; Nov 2021- Mar 2022** |

|  |
| --- |
| **Dr Mir Seyedebrahimi** |

**Name of marker:**

|  |
| --- |
| **Awarded Mark**  (please note that this does not include late penalties, which will be applied to the mark in Tabula) |
|  |

***NOTE: The mark recorded is subject to review by the Board of Examiners.***

Please note: while each coursework is marked against assessment criteria that are specifically designed to evaluate that assignment, the descriptors listed on the following webpage will help you to interpret the mark awarded to your work:

<https://warwick.ac.uk/services/aro/dar/quality/categories/examinations/marking/ug2017/>

**Module Learning Outcomes**

The tutor has indicated below if you have achieved the module learning outcomes. They can be “Met”, “Partially Met” and “Not Met”.

|  |  |
| --- | --- |
| **Learning Outcome** | **Status** |
| Identify the main IoT system components, IoT ecosystem and IoT network design principles | met |
| Assess where the IoT concept fits within various use cases such as smart cities/homes, the industry (Industry 4.0) and future trends | met |
| Demonstrate various network protocols used in IoT and know the key wireless technologies used in IoT systems, such as WiFi, 6LoWPAN, Bluetooth and ZigBee. | met |
| Analyse and compare the link between IoT, big data, cloud computing and data analytics | met |
| Design an IoT system/network composed of sensors/actuators, data processing units, wireless and backhaul networks and their implementation wherever possible | met |

Please note: some module learning outcomes may be addressed by other assessments or in-module work.

**Individual Comments**

The tutor has provided specific comments on your work below and they may have provided an annotated script.

|  |
| --- |
| **Strengths & Areas for Improvement** |
| **Report is describing group 8’s provided solution in the context of a hydroponic use case and IoT.**  **Report comprises majority of the requested tasks including the individual works, a functional simulated model and the evidence of HW implementation.**  **Various part of the work are relevant and contains valid discussions, effort has been made to go beyond the already existing ‘things’ in the simulator by producing customised elements suitable for the purpose of the proposed plan.**  **There are some areas for improvement which are explained below.** |
| **How to improve** |
| **Without an abstract or a brief introduction, it is very hard for the reader to understand the reason for individual topics and the logic/source of their derivation. Reader has to review phase 2 after the individual parts to understand the big picture and reason for initial studies. This could easily be avoided by the inclusion of an abstract/brief intro as it is common in any technical report.**  **It is also worth noting that the report must have a consistent structure, test alignment, and format of presenting/aligning the figures and tables. This problem is minor but it could be avoided by an agreed style throughout all group and individual sections.** |
| **Document structure, grammar, referencing** |
| **Document is well written though it doesn’t have an adequate start and some essential report elements such as the abstract/intro are missing. Text alignment is not consistent. Figure alignment could be improved by merging some adjacent figures, reducing some figure sizes etc. Referencing is utilised sufficiently.** |
| **Anything else** |
| **Individual reports all are relevant to the main plan and have the accurate structure of deriving recommendation from an initial study. However, lack of an initial abstract/introduction make all of them detached topics until reader reviewing the majority of the report to understand their justification and purpose.**  **There is a difference among individual reports for the way information is presented. It must be noted that, presenting information in a visual format (figure, diagram, etc) and summarising them in a table are a good practice that makes a difference in written reports.**  **Individual reports in this work are not consistent from this point of view and this have made a slight difference in the allocated marks.** |