**Research**

|  |  |
| --- | --- |
| **How is hardware & software used in the industry?** |  |
| *This will come from your research!* | |
| **Newly emerging technologies – What impact/potential impact do they have on the industry (if any)?** | |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Operational technology (OT)** | **a** | **Artificial Intelligence (AI)** | **a** | **Virtual Intelligence (VI)** | **a** | | **Conversational AI** | **a** | **The Internet of Things (IoT)** | **a** | **Machine Learning** | **a** | | **Object Recognition** | **a** | **Biometrics** | **a** | **Cloud services and platforms** | **a** | | **Computer Vision** | **a** | **Robotics** | **a** | **Data warehousing** | **a** | | **Blockchain (Crypto-Currency)** | **a** | **Data Lakes** | **a** | **5G networks** | **a** | | **Drones** | **a** | **3D printing** | **a** | **+ any others you can find** | **a** | | |
| **How could digital be used to meet different user’s needs?** | |
| *You need to work this out by comparing:*   1. *The information provided in the brief* 2. *Your understanding of digital technology and its potential uses*   i *You might want to break this part down into organised sections…*   |  |  |  | | --- | --- | --- | |  | **List of users’ needs (*from the brief*)** | **How digital could be used to meet this need?** | | 1.) | Book a space at one of the 3 local restaurants (Harrogate, Leeds, Knaresborough Castle) |  | | 2.) | Be able to pre-order a coffee for collection |  | | 3.) | Allow customers to pre-book (online) baking lessons |  | | 4.) | etc….. |  | |  |  |  | | |
| **Which Industry-specific guidelines and regulations will you need to follow?** | |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Intellectual property** | **a** | **Gambling legislation** | **a** | **Consumer protection** | **a** | | **Territorial restrictions** | **a** | **Age rating classifications** | **a** | **System security** | **a** | | **Advertising laws** | **a** | **Equality and diversity** | **a** | **Data protection and privacy** | **a** | | **Copyright and patent** | **a** | **ISO/IEC/IEEE 90003:2018** | **a** | **W3C** | **a** | | **Responsibilities concerning staff and employment practices** | | | **a** | **+ any others you can find** | **a** | | |

i *Keep all your research notes and submit as an appendix (separate document)* i

i *Also remember to use a Sources Table (linked to Proposal Overview)* i