Basic requirements:

1. Create a fully automated embedded system that utilises digital/analogue inputs and digital/analogue outputs to support the theme of wellbeing.
2. Validate and store the data gathered from the embedded system.
3. Create an analysis component that can be used to calculate or predict certain information and inform future decisions relating to wellbeing.

Advanced requirements:

1. Using Python and/or JavaScript, create a computer model based on your own personally created dataset of wellbeing data or one that you have sourced externally (suggestions included on the next page). Your personal dataset could be generated manually, programmatically or by the embedded system. The dataset should contain multiple descriptive features of wellbeing and the model should be capable of answering a minimum of two ‘what if’ type questions which you will need to devise yourself.
2. Each ‘what if’ question must use a minimum of three validated parameters (using at least two different data types) and, based on the information provided, offer the user insights in relation to some aspect of their wellbeing.
3. Users can view data in a graphical format which displays information such as their progress using the system or the results of a ‘what if’ scenario.