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| **Summarised Planned State of Project:**  Literature Review:   1. Research covers emotion recognition and heart disease prediction with ECG. 2. Research covers software tools, models, and architecture for edge computing.   Setting up Yocto OS and loading the starter pack:   1. Research and learning function of STM32MP157F DK2 libraries and software. 2. Installing the starter pack and testing the capability of the edge computer.   Setting up and coding ECG sensor:   1. Connecting ECG sensor on edge computer. 2. Coding software to send serial data onto the serial plotter. | **Actual Progress Since Last Review**  Literature Review:   1. Research was done according to plan. Specific literature reviews were carried out on review papers on AI models.   Setting up Yocto OS and loading the starter pack:   1. Basic features of edge computer are tested and demoed to supervisor and moderator. 2. The task was performed according to plan.   Setting up and coding ECG sensor:   1. The task was performed according to plan and is up to schedule. 2. UART, GPIOs, and 16-bit ADC are configured, and engineering mode is booted. 3. Data of ECG can be plotted on a serial monitor with a 115200 baud rate. |
| **Next Steps**   1. Based on my Gantt chart planning, I am slightly ahead of my schedule. Hence, optional task can be performed which is stated in the Gantt Chart – designing wearables for the solution. 2. Focusing on STM32 model zoo and journals to develop a TensorFlow Lite model for both heart disease prediction and emotion recognition. 3. Develop a script to display output.   **Supervisor Feedback** | |