**Scope and limits:**

This project involves building the foundations of a working smart parcel mailbox prototype. The foundations to be developed will focus primarily on the preliminary stages of the build, this will include configuring an Arduino microcontroller, creating a web server and a working app for Android based systems. The build of the shell of the parcel mailbox will only be researched due to limitations such as cost, time and covid restrictions permitting the developers to work together in building it. The Arduino microcontroller will have a switch which will let the user know when mail has been delivered. There will also be a temperature and humidity sensor built in to collect information that will be sent to the web server. The web server will be developed in (Need Web server details), this will be configured to display the information collected from the Arduino in a nicely easy to read format. The app will be developed in (need app details), this will display the input data from the web server allowing the user to be notified when the mailbox has received mail. The app will also allow the user to evaluate the data in relation to time of the temperature, humidity and when the mail is received.