Task 4: Review of prototype application

With the minimal knowledge of the prototype control software, I would consider below points while implementing the software.

1. Create multiple processes to carry out the operation like monitor and analyse the pre-recorded videos and other operation which are to be run in parallel.
2. Create Database to store the information of the recoded videos, device information and store them in relational database.
3. Create specific tables in database to store the project specific details for future use.
4. Create separate modules for the operation of the database so that the methods can be reuse for fetching and storing the details to and from the database.
5. Create separate modules for individual operations like classes in Python.
6. Document the technical details of the code for all methods and APIs along with the development of the code.
7. Develop unit test cases for all methods and APIs and integration test case with mocking the input and output of the software to test entire Application.
8. Utilize continuous integration and continuous delivery process to identify bugs early in the development process.