RTC List

* The robot mechanically moves items with varying optical properties, any alternative robot design must be approved by the supervisors.
* The operation of the robot involves the use of motors and sensors.
* We are restricted to FisherTechnic parts provided at the start of the practical unless we get approval of any other parts we want to use from the supervisors.
* Expected to use Raspberry Pi unless we get approval.
* The robot must function autonomously after initialization.
* Detects failures both mechanical and electronic and acts appropriately to resolve them while communicating with the user and other robots. Also getting a signal from another robot that a failure has occurred should also be treated appropriately.
* The robot must report on its internal state for running test scenarios ( and communication).
* To achieve a reasonably high grade for the course, extending the requirements of the assignment is required. This can be done by adding more challenges the robot overcome, like communication with other robots.