AquaControl V1

**Requirements:**

#1 2 Loads (19.5V 0.7A) should be controlled by a microcontroller

#2 The 2 loads should be controlled seperately

#3 The 2 loads should be controlled by time

#4 The time should be adjustable by the user

#5 The given time by user should be stored persistently

#6 The current consumption of the Controller should be as low as possible

**Software Architecture:**

Software Component 1: TIME\_SERVER

Software Component 2: WIFI\_HANDLER

Software Component 3: SLEEP\_HANDLER

Software Component 4: DEBUG\_MODULE

Software Component 5: NVM\_HANDLER