

*Ultra-Sonic Meter Reader*

**TEAM MEMBERS:** *Darren, Austin, Carter*

**REPORT NUMBER:** *Report 5*

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**THIS WEEK’S TASKS:**

*T59 – Darren, Interface dev-board with Ethernet Chip*

*T60 – Darren, Get an IP address with Ethernet Chip attached to dev-board*

*T44 – Austin, Create beta PCB design for MCU module*

*T31 – Carter, Create block diagram for sensor module*

*T35 – Carter, Create schematic for sensor module circuit*

**PROGRESS THIS WEEK:**

*T57 – Darren, Modify WINC local server webpage (atmelConfig.com -> our own page) – complete.*

*T58 – Darren, Save SSID and PASSWORD to a network on a successful connection (WINC flash or NVM)*

*T42 – Austin, Create Block Diagrams for MCU module - complete.*

*T43 – Austin, Verify Schematic for MCU module with sponsor - \*complete.*

*T30 – Carter, Test purchased sensors are non-defects*

*T36 – Carter, Verify schematic for sensor module with sponsor*

**NEXT WEEK’S TASKS:**

*T61 – Darren, On MCU powerup, determine to use Ethernet or Wi-Fi depending on if a network cable is connected to module*

*T62 – Darren, enable watchdog to reset module if MCU module gets stuck in an infinite loop*

*T45 – Verify PCB design for MCU module with sponsor*

*T32 – Carter, Breadboard sensor module circuit*

*T34 – Carter, Determine how MCU can send required frequency, do we need an oscillator or transistor to boost frequency from two sources?*