| ID | Task Name | Duration | Start | Finish |
|---|---|---|---|---|
| 1 | **IoT Projects for cohort #9** | 34.25 days? | Mon 3/6/23 | Fri 4/21/23 |
| 2 | **Midterm Project #1** | 3.44 days | Mon 3/6/23 | Thu 3/9/23 |
| 3 | **Plan the project** | 0.56 days | Mon 3/6/23 | Mon 3/6/23 |
| 4 | write up the details | 4 hrs | Mon 3/6/23 | Mon 3/6/23 |
| 5 | photo/video progress | 0.5 hrs | Mon 3/6/23 | Mon 3/6/23 |
| 6 | **Draw the schematic** | 0.56 days | Mon 3/6/23 | Tue 3/7/23 |
| 7 | pencil in the schematic in notebook or paper | 4 hrs | Mon 3/6/23 | Tue 3/7/23 |
| 8 | photo/video progress | 0.5 hrs | Tue 3/7/23 | Tue 3/7/23 |
| 9 | **set up new computer** | 0.38 days | Tue 3/7/23 | Tue 3/7/23 |
| 10 | load software | 3 hrs | Tue 3/7/23 | Tue 3/7/23 |
| 11 | **Fritz** | 0.13 days | Tue 3/7/23 | Tue 3/7/23 |
| 12 | photo/video progress | 0.5 hrs | Tue 3/7/23 | Tue 3/7/23 |
| 13 | draw wiring using Fritz | 0.5 hrs | Tue 3/7/23 | Tue 3/7/23 |
| 14 | **Code** | 2.31 days | Tue 3/7/23 | Thu 3/9/23 |
| 15 | photo/video progress | 0.5 hrs | Tue 3/7/23 | Tue 3/7/23 |
| 16 | find code for (new and old) units | 2 hrs | Tue 3/7/23 | Wed 3/8/23 |
| 17 | Auto and Manual - user controls lights and outlet | 1 hr | Thu 3/9/23 | Thu 3/9/23 |
| 18 | modify code for my use | 1 hr | Tue 3/7/23 | Tue 3/7/23 |
| 19 | control 2 WEMO outlets | 1 hr | Wed 3/8/23 | Wed 3/8/23 |
| 20 | update code to control 2 WEMO outlets | 1 hr | Wed 3/8/23 | Wed 3/8/23 |
| 21 | control Hue lights | 1 hr | Wed 3/8/23 | Wed 3/8/23 |
| 22 | update codefor hue lights | 1 hr | Wed 3/8/23 | Wed 3/8/23 |
| 23 | **build the Welcome Box** | 2.56 days | Mon 3/6/23 | Thu 3/9/23 |
| 24 | 3D design and print at least one part (button cover, knob, logo, etc.) | 1 hr | Thu 3/9/23 | Thu 3/9/23 |
| 25 | A component made at FUSE - laser, wood, metal (case, stand, etc.) | 1 hr | Thu 3/9/23 | Thu 3/9/23 |
| 26 | photo/video progress | 0.5 hrs | Mon 3/6/23 | Mon 3/6/23 |
| 27 | **complete first midterm** | 1 min | Mon 3/6/23 | Mon 3/6/23 |
| 28 | **Midterm #2v1** | 2.38 days | Fri 3/17/23 | Tue 3/21/23 |
| 29 | **Plan the project** | 0.5 days | Fri 3/17/23 | Fri 3/17/23 |
| 30 | write up the details | 4 hrs | Fri 3/17/23 | Fri 3/17/23 |
| 31 | photo/video progress | 0.5 hrs | Fri 3/17/23 | Fri 3/17/23 |
| 32 | **Fritz** | 0.13 days | Fri 3/17/23 | Fri 3/17/23 |
| 33 | photo/video progress | 1 hr | Fri 3/17/23 | Fri 3/17/23 |
| 34 | draw wiring using Fritz | 1 hr | Fri 3/17/23 | Fri 3/17/23 |
| 35 | **Code** | 0.5 days | Fri 3/17/23 | Fri 3/17/23 |
| 36 | photo/video progress | 0.5 hrs | Fri 3/17/23 | Fri 3/17/23 |
| 37 | find code for (new and old) units | 2 hrs | Fri 3/17/23 | Fri 3/17/23 |
| 38 | Integrate the entire system | 1 hr | Fri 3/17/23 | Fri 3/17/23 |

Timeline header: '23 | Apr 10, '23 | Apr 17, '23
T W T F S S M T W T F S S M T W T F

| ID | Task Name | Duration | Start | Finish |
|---|---|---|---|---|
| 39 | Create a user friendly Adafruit.io dashboard | 1 hr | Fri 3/17/23 | Fri 3/17/23 |
| 40 | Buy and/or create a structure to hold the plant, pump, and sensors. | 0.5 hrs | Fri 3/17/23 | Fri 3/17/23 |
| 41 | Integration of SMS/email messaging using Zapier (following slides). | 4 hrs | Fri 3/17/23 | Fri 3/17/23 |
| 42 | Video demo your Plant Watering System | 3 hrs | Fri 3/17/23 | Fri 3/17/23 |
| 43 | update code for watering system | 4 hrs | Fri 3/17/23 | Fri 3/17/23 |
| 44 | **build the Fijian Plant H2O system** | **0.38 days** | **Tue 3/21/23** | **Tue 3/21/23** |
| 45 | place all components in bowl | 2 hrs | Tue 3/21/23 | Tue 3/21/23 |
| 46 | check for plant system operation within bowl | 3 hrs | Tue 3/21/23 | Tue 3/21/23 |
| 47 | photo/video progress | 3 hrs | Tue 3/21/23 | Tue 3/21/23 |
| 48 | **complete second midterm** | 1 min | Tue 3/21/23 | Tue 3/21/23 |
| 49 | **Capstone project ramp-up** | 9 days? | Wed 3/22/23 | Mon 4/3/23 |
| 50 | | | | |
| 51 | **CAPSTONE Project** | **13.25 days** | **Tue 4/4/23** | **Fri 4/21/23** |
| 52 | Plan the bluetooth/MAC finder project | 48 hrs | Tue 4/4/23 | Tue 4/11/23 |
| 53 | develop work breakdown schedule | 3 hrs | Wed 4/5/23 | Mon 4/10/23 |
| 54 | write up the details/begin the visio | 48 hrs | Tue 4/4/23 | Tue 4/11/23 |
| 55 | photo/video progress | 0.5 days | Wed 4/12/23 | Wed 4/12/23 |
| 56 | visio the thought | 2 days | Wed 4/12/23 | Thu 4/13/23 |
| 57 | check for maker-space availabiltiy to make holding box | 2 hrs | Mon 4/10/23 | Mon 4/10/23 |
| 58 | **modify code** | **4.44 days** | **Fri 4/7/23** | **Thu 4/13/23** |
| 59 | develop the process that grabs the MAC addres via bl | 14 hrs | Fri 4/7/23 | Mon 4/10/23 |
| 60 | test this iteration | 3 hrs | Mon 4/10/23 | Tue 4/11/23 |
| 61 | develop the process that incorporates the trust quotien | 16 hrs | Tue 4/11/23 | Wed 4/12/23 |
| 62 | test this iteration | 3 hrs | Thu 4/13/23 | Thu 4/13/23 |
| 63 | review progress by Brian and/or EJ | 0.5 hrs | Thu 4/13/23 | Thu 4/13/23 |
| 64 | update work breakdown schedule | 2 hrs | Thu 4/13/23 | Thu 4/13/23 |
| 65 | fritz | 2 hrs | Wed 4/12/23 | Wed 4/12/23 |
| 66 | photo/video progress | 1 hr | Wed 4/12/23 | Wed 4/12/23 |
| 67 | make a box to hold electronics | 4 hrs | Fri 4/14/23 | Fri 4/14/23 |
| 68 | photo/video progress | 1 hr | Fri 4/14/23 | Fri 4/14/23 |
| 69 | review progress by Brian and/or EJ | 0.5 hrs | Fri 4/14/23 | Fri 4/14/23 |
| 70 | test this iteration | 2 hrs | Fri 4/14/23 | Fri 4/14/23 |
| 71 | update work breakdown schedule | 2 hrs | Fri 4/14/23 | Mon 4/17/23 |
| 72 | **complete capstone** | **0.13 days** | **Fri 4/21/23** | **Fri 4/21/23** |
| 73 | present project to instructors, employers, guest | 1 hr | Fri 4/21/23 | Fri 4/21/23 |
| 74 | **complete IoT and Rapid Prototyping course** | **0.13 days** | **Fri 4/21/23** | **Fri 4/21/23** |
| 75 | receive certificate | 1 hr | Fri 4/21/23 | Fri 4/21/23 |

Task
Split
Progress
Milestone
Summary
Project Summary
External Tasks
External Milestone
Deadline