

Team Rainmen

Agendas and Notes

*Unless otherwise noted, items are due one week from the date of the meeting.*

**9/11/2014**

Contact our Sponsor (Nick Kirby)

Complete Individual Drafts of Team Contract (everyone)

Combine Drafts of Team Contract to our Final Version (peter)

**9/18/2014**

Interview with sponsor (everyone)

Individual research on potentiometers, rotary and linear (everyone)

Individual research on dataloggers (everyone)

**9/25/2014**

Interview with sponsor (everyone)

Further Individual research on potentiometers, rotary and linear (everyone)

Individual conceptual work on mounting options on rain gauge (everyone)

**10/10/2014**

Individual responsibilities for snapshot #1 (everyone)

Order parts for first prototype (alec)

**10/16/2014**

Research on potentiometer noise (everyone)

Rebuild team schedule (peter)

Brainstorm on testing for temperature effects (everyone)

**10/23/2014**

Begin drawing package (peter, nick)

Make data flow/control flow diagrams (mike)

Email product specs to team email (mike)

**10/30/2014**

Modify wikipage (peter)

Research on batteries (mike, alec)

Finish drawing package (peter, nick)

**11/6/2014**

Contact client on status for design review (nick)

Find a location for design review (everyone)

Prepare logbooks to submit to instructor (everyone)  
Individual work on design review slides (everyone)

### **11/11/2014**

Email Riley about ME conference room meeting location (nick)  
Compare 3D models done by nick and peter, decide on final versions (peter, nick)  
Call Pete and inform him of conference room location (nick)  
Email data to alec (peter)  
Print logbook review form (everyone)

### **11/13/2014**

Upload images for wiki on share drive (peter)  
Complete outline and update for snapshot (everyone)

### **11/20/2014**

Send alec gear parts to order (peter)  
Finish concepts for gearbox bracket (peter, nick)  
Order parts (alec)  
Send alec electrical parts to order (mike)  
Send Pete SD card functionality concept (nick)

### **12/11/2014**

Update portfolio (everyone)  
Update wiki (peter, mike)  
*Due 1/12/2015* Build prototype (peter)  
Talk to bio-ag dept about use of EP roof (alec)  
Find potentiometer nut+o-ring, send details to alec (peter)  
Contact departments about use of freezers/fridges (everyone)

### **1/15/2015**

Update data flow diagrams (mike)  
Mount switches in project box (peter)  
Start a bill of materials (everyone)  
Design lab experiment for verification (everyone)  
Send alec parts to order (peter)  
IP66/67 rotary potentiometer list (peter)

### **1/22/2015**

Perform experiment on Monday (everyone)  
Perform 'common sense test' (everyone)

### **2/3/2015**

Prep for design review (everyone)

Redesign lid (peter)  
Spring Issue test (everyone)  
Acquire o-ring for potentiometer (peter)  
Get mounting tabs at tri-state (peter)

### **2/12/2015**

Individual logbooks (everyone)  
Dunk test (everyone)  
Begin work on powerpoint (everyone)

### **2/26/2015**

Look up processing/order times for printers (everyone)  
Determine cost for 3D printing project boxes (nick)  
Determine cost for outsourcing a 3D printed project box (peter)  
Determine cost for premade boxes (mike)  
Resend items (peter)

### **3/5/2015**

Create box iteration slides (peter)  
Post 3D printer details (alec)  
Make a cost compare analysis (mike)  
Make a schedule for the powerpoint (peter)

### **3/12/2015**

Determine manufacturing steps (peter)  
Write dunk test procedure (peter)  
Write the real-world-test procedure (alec)  
Determine current draw from electrical system (mike)  
Wikipage overhaul (mike, peter)  
Update portfolio (everyone)

### **3/26/2015**

Finish manufacturing steps (peter, nick)  
Make test print (peter)  
Determine what heating element we intend to use for hotbox test (everyone)  
Meetup for wiki work, library at 2pm (peter, mike)  
3D print after wiki (peter, mike)  
Dunk test Sunday (everyone)

### **3/31/2015**

Make changes to project box (peter)  
Add a logo onto the project box (peter)

### **4/2/2015**

Make a naming convention for wiki (peter, mike)  
Perform additional dunk test (everyone)  
Get hotbox test scheduled (alec)  
Get started on mechanical and production manual (peter, nick)  
3D print bracket to solve angle issue (peter)  
Basic functions test (everyone)  
Portfolio update (everyone)  
Modify center logo (peter, mike)  
Further modify project box (peter)

#### **4/9/2015**

Email pete about base attachments (nick)  
Hot box test (everyone)  
Finish L-arm assembly (peter, nick)  
Assemble project box (peter)  
Find foam rubber for sealing (peter)  
Logbook update (everyone)

#### **4/14/2015**

Make sketches of changes to mounting tabs (peter)  
Make changes to project box (peter)  
Hot box testing (everyone)

#### **4/16/2015**

Print in ABS (peter, mike)  
Order additional ABS rolls (alec)  
Work on mechanical portion of manual (peter, nick)  
Add product to wiki (mike, peter)  
Start thinking about the poster (everyone)

#### **4/23/2015**

Assemble box and take pictures (mike)  
Print in ABS: inserts and project box (peter)  
Make rough draft of manual (peter, mike)  
Individual responsibilities for report (everyone)  
Print out contributions to portfolio (everyone)

#### **4/28/2015**

Finish up report (peter, nick)  
Continue to work on ABS prints (peter)  
Compile action items into one file for portfolio (peter)  
Print individual portfolio responsibilities (everyone)