[[1]](#footnote-1)

# Project Logistics

Table 1. Action Item List

|  |  |  |
| --- | --- | --- |
| Task Name | Due Date | Assigned |
| **Build Phase** | **26/09/14** |  |
| Order Parts | 22/08/14 | CWS,NAL |
| Linear Motion Assembly | 19/09/14 | JPB,CWS,NAL |
| Test Liner Motion System | 22/09/14 | JPB,CWS,NAL |
| Resin Tests | 22/08/14 | CWB |
| Vat Assembly | 05/09/14 | CWB |
| Chassis Assembly | 05/09/14 | JPB |
| Printer Control Software | 26/09/14 | DMO |
| Projector/Optics Assembly | 19/09/14 | CWB,JPB |
| Test Photoresin Cure with Projector | 22/09/14 | CWB,JPB |
| System Assembly | 26/09/14 | TEAM |
| **Testing Phase** | **07/11/14** |  |
| First System Test | 03/10/14 | TEAM |
| Troubleshooting/Debugging | 07/11/14 | TEAM |
| **Presentation Phase** | **12/12/14** |  |
| Write Report | 28/11/14 | TEAM |
| Documentation | 28/11/14 | TEAM |
| Demonstration | 05/12/14 | TEAM |
| Posters | 05/12/14 | TEAM |
| Presentation | 12/12/14 | TEAM |

With *Project PAM* the decision was made to bring on two faculty technical advisors (FTA). The first is James Mabry from the Mechanical Engineering Department. He was chosen because of knowledge of precision machining. The second FTA is Joe Lennox. He was chosen because of his knowledge of 3D printing.

*Project PAM* consists of a team of five engineers. The project manager for *Project PAM* is Jeffery Burdick, who is a mechanical engineer. Jeffery is in charge of the mechanical motion and the chassis. The next team member is Daniel Olsen, who is a computer engineer. Daniel is in charge of the printer control software. Next is Nicholas Lowman, who is also a computer engineer. Nicholas is in charge of the software-hardware interface. Next is Chance Baker, who is an electrical engineer. Chance is in charge of resin management and optics. The final team member is Casey Spencer, who is an electrical engineer. Casey is in charge of motors and motor control. The team meets on Tuesday s at 5:30 P.M. on the 7th floor of Morris Library and on Thursday s at 12:15 P.M. in Engineering A207.

The project will be broken done into three main phases; the build phase, testing phase, and the presentation phase. The build phase will last for the first 30 days of the project. All assembly and early subsystem testing will happen during this phase. The next 30 days will be devoted to testing. The first system test will happen during the first week of this phase. Followed by three weeks of troubleshooting and debugging. The final phase is the presentation phase, which will last for 25 days. During this phase all documentation, presentation, and reports will be developed within the first 15 days of the phase. The final two weeks of the project are devoted to demonstrations and presentations.

The goal for the budget was to not exceed $1000, without the projectors. The team has successfully done this. The total for the budget is $640, well under the $1000 goal.



Fig. 1. Project Organizational Chart.

1. [↑](#footnote-ref-1)