**Team AutoCropper Milestone 1 Project Log**

Team Members:

Li HuanKang (Orbitee 1)

Jonas Ng (Orbitee 2)

**Project Log:**

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| **S/N** | **Date** | **Task** | **Task Description** | **Orbitee 1 (hrs)** | **Orbitee 2 (hrs)** |
| **1** | 11/5/2020 | Lift-Off | 1. Create project poster and 1 min presentation 2. Improve and update on project proposal 3. Identify key features of web application and hardware | 8 | 8 |
| **2** | 12/5/2020 | Team meeting | 1. Outline overall project plan 2. Delegation of roles 3. Finalise hardware parts to acquire 4. Preliminary design of web application (frontend) 5. Preliminary design of hardware | 5 | 5 |
| **3** | 15/5/2020 | Self-learning and familiarisation with desired tech stack | 1. ReactJS 2. React-Native 3. Arduino IDE 4. Postgresql | 7 | 7 |
| **4** | 15/5/2020 | Team meeting | 1. Identify potential mentors 2. Apply for mentorship via skylab | 1 | 1 |
| **4** | 16/5/2020 | Mission Control #1 | 1. Help Session for ReactJS 2. Project consultation on Mobile App Development with Senior Advisor Neo Kai Jun | 4 | 4 |
| **5** | 16/5/2020 | Meeting with advisor | 1. Introduce proposed idea to advisor 2. Discussion of project feasibility 3. Receive feedback from advisor | 1 | 1 |
| **6** | 18/5/2020 | Assembly of hardware and programming | 1. Begin assembly of hardware 2. Testing simple hardware functionality 3. Begin development of front end user interface for web application 4. Begin development of technical proof of concept for hardware | 5 | 5 |
| **7** | 19/5/2020 | Team meeting | 1. Discussion on progress and tasks for subsequent weeks 2. Finalise project structure | 3 | 3 |
| **8** | 20/5/2020 | Assembly of hardware and programming | 1. Assembly of hardware to support advanced functionality (Building of heat ladder and LDR) 2. Development of web application front end (creating pages for web app) 3. Documentation of system | 6 | 6 |
| **9** | 22/5/2020 | Meeting with mentor | 1. Introduce proposed idea to mentor 2. Gather feedback from mentor 3. Schedule future meetings and consultations | 1 | 1 |
| **10** | 23/5/2020 | Assembly of hardware and programming | 1. Assembly and testing of hardware (Temperature sensor) 2. Development of web application front end (login page) | 5 | 5 |
| **11** | 25/5/2020 | Assembly of hardware and programming | 1. Assembly and testing of hardware (Air humidity sensor) 2. Begin development of database using Postgresql | 4 | 4 |
| **12** | 27/5/2020 | Assembly of hardware and programming | 1. Testing of hardware for technical proof of concept (Soil humidity sensor) 2. Development of web application front end (navigation between pages) | 5 | 5 |
| **13** | 29/5/2020 | Team Meeting | 1. Discussion on milestone 1 2. Recap on current progress 3. Outline tasks for milestone 2 | 3 | 3 |
| **14** | 30/5/2020 | Team Meeting | 1. Finalise Milestone 1 Report and project log | 2 | 2 |

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| Orbitee 1 (hrs) | Orbitee 2 (hrs) | Total (hrs) |
| 60 | 60 | 120 |