|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Activity** | **Est. Hours** | **Wk 5-6\*** | **Wk 7-8** | **Wk 9-10** | **Break** | **Wk 11-12** | **Wk 13-14** | **Wk 15-16** | **Wk 17-18** |
| Phase 1: Understanding and exploring the problem | **10** |  |  |  |  |  |  |  |  |
| Liaising with Engineering Relief Corp and understanding their requirements | 2 |  |  |  |  |  |  |  |  |
| Defining the problem space | 4 |  |  |  |  |  |  |  |  |
| Defining abstract subsystems | 4 |  |  |  |  |  |  |  |  |
| *Deliverable*: Detailed Subsystems and Client Presentation |  |  |  |  |  |  |  |  |  |
| Phase 2: Developing a solution | **66** |  |  |  |  |  |  |  |  |
| Concept generation and selection | 6 |  |  |  |  |  |  |  |  |
| Detailed design of functions and subsystems | 20 |  |  |  |  |  |  |  |  |
| Implementation and fabrication of design | 20 |  |  |  |  |  |  |  |  |
| *Deliverable:* Functioning First Prototype |  |  |  |  |  |  |  |  |  |
| Preliminary testing and iteration | 20 |  |  |  |  |  |  |  |  |
| *Deliverable:* Final Prototype |  |  |  |  |  |  |  |  |  |
| Phase 3: Evaluation and Documentation | **22** |  |  |  |  |  |  |  |  |
| Final testing | 2 |  |  |  |  |  |  |  |  |
| Final documentation | 20 |  |  |  |  |  |  |  |  |
| *Deliverable:* Final Report |  |  |  |  |  |  |  |  |  |

\*Note: Wk 5 of the school term started on 14th August