SoluTek

Denis Hurley Centre Project Plan

# **Project Plan**

## Gantt Chart:

**Please refer to Annexure One, Two and Three for the visual representation of the Gantt Chart created.**

### Company Introduction Meeting (9 April 2021)

* Members of the team formally met as a company for the first time and assigned a Secretary.
* An overview of the given task was conducted.
* Non-profit organisations (NGO/NPO) were discussed to consider who would receive this service.

### NGO Identification (12 April 2021)

* An NGO was decided upon.
* Possible ideas for solutions to provide the NGO were discussed.

### Create a Project Plan (17 April 2021 – 30 April 2021)

* Requirements of what the project plan documentation but successfully explain were discussed.
* Milestones and Deliverables were agreed upon and added to the documentation.
* A Feasibility report was created to provide to provide information on potential threats to the software system’s development.
* A project schedule detailing development hours, milestones and information for a presentation were finalised.
* A work breakdown structure was completed to explain the tasks in greater detail.
* A risk management analysis was created in order to determine appropriate responses to minimise its impact.
* Technical and economic feasibility reports were created to determine the limitations that could occur during development.

### Create a Requirements Analysis (3 May 2021 – 10 May 2021)

* Review the requirements that should be met in terms of what the Requirements Analysis documentation must explain about the solution’s logical structure.
* Identify the functional and non-functional requirements that the solution must complete.
* Create use case diagrams to provide a visual representation of the solution’s use.
* Create and finalise the logical system for accepting, processing and outputting data as well as the relationships between the data and their transitions.

### Create a Systems Design Documentation (17 May 2021 – 24 May 2021)

* The criteria for what the Design Documentation should explain about the solution’s structure and architecture.
* The solution’s architecture to detailed and how it will benefit the solution itself.
* Design concepts for the graphical user interface (GUI) are created.
* Database structure concepts are planned out using the appropriate diagrams to provide information.

### Develop NGO Solution (7 June 2021 – 28 June 2021)

* Final concepts for the GUI are implemented into the solution.
* Input components are implemented into the solution and are configured for accepting input.
* Databases are created for the solution and connected.
* Solution functionalities are developed for interacting with the data.
* User support will be created, in the form of documentation and software assistance that is easily accessed.

### Presentation Preparation (2 August 2021 – 6 August 2021)

* Review and prioritise the information of the solution for the presentation.
* Implement the prototype of the solution for the NGO for use.
* Demonstrate the prototype in a mock-presentation.

### Presentation (9 August 2021)

* Demonstrate the prototype at the formal presentation of the solution.
* Allow for Questions and Answers section for the presentation.

### Finalise System Solution (16 August 2021 – 21 August 2021)

* Team members will each perform a self-evaluation and peer-evaluations.
* The documentation will be edited based on feedback received during the presentation as well as updates for the system solution.
* The solution will undergo debugging and final quality assurance tests before being finalised and published.

## Pert Chart:

PERT Weight Average Calculation Expression: (O + 4M + P)/6

Most Pessimistic Value P

Most Optimistic Value: O

Most Likely Value: M

(Mochal, 2007)



# **Annexure One:**



# **Annexure Two:**



# **Annexure Three:**

