Iteration Plan

# Iteration 1

Total Story Points: 16 Total Hours: 27 30

## Current Velocity: -

## Story ID: 25 Title: Simple calculation of power generation

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 1 | Background research and develop business logic for simple calculation | 5 | 6 |
| 2 | Create a simple class and fill it with methods that represent the formula required to achieve the most simple useful calculation:  Upon 3 inputs, return 1 output | 6 | 7 |
| 3 | Create a method for displaying data | 1 | 1 |
| 4 | Basic user interface design and implementation | 5 | 7 |
|  |  |  |  |
|  | Story Points: 8 Total Hours: | 17 | 21 |

## Story ID: 7 Title: Duration generation of solar panels

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 5 | Research the formula for monthly generation | 3 | 3 |
| 6 | Code monthly generation | 4 | 4 |
| 7 | Display monthly generation in charts | 3 | 2 |
|  |  |  |  |
|  | Story Points: 8 Total Hours: | 10 | 9 |

## 

## Iteration 2

Total Story Points: 24 Total Hours: 31 26

## Current Velocity: 16

## Story ID: 4 Title: Estimation of My Power Consumption

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 8 | Research to gather feed-in tariffs in different states and store the  Data in Google data store | 5 | 10 |
| 9 | Design a class that calculates energy generated based on given values (average sunlight per day and Australian state) | 4 | 4 |
| 10 | Implement the ability to calculate energy generation with minimal user input. | 1 | 0 |
|  |  |  |  |
|  | Story Points: 4 Total Hours: | 10 | 14 |

## Story ID: 17 Title: Durability of Solar Panels

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 11 | Research and implement different brands of solar panels for the user to choose from | 2 | 2 |
| 12 | Implement the changes into the solar generation | 1 | 1 |
|  |  |  |  |
|  | Story Points: 2 Total Hours: | 3 | 3 |

## Story ID: 9 Title: Return of Investment

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 13 | Research and develop a formula to calculate savings | 3 | 4 |
| 14 | Code the formula and implement a method to display results | 3 | 5 |
|  |  |  |  |
|  | Story Points: 2 Total Hours: | 6 | 9 |

## Story ID: 8 Title: Savings calculation

|  |  |  |  |
| --- | --- | --- | --- |
| Task ID | Task Description | Estimate | Taken |
| 15 | Research and enable the ability to implement graphs into the client | 6 | 0 |
| 16 | Implement methods to create and display a chart using ROI as the data | 6 | 0 |
|  |  |  |  |
|  | Story Points: 16 Total Hours: | 12 | 0 |

# Iteration Plan 3

Total Story Points: 20 Total Hours: 26 24

## Current Velocity: 11

## Story ID: 1 User Interface Story Points: 8

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **1** | Implement the ability to select user's location | 1 | 4 |
| **2** | Integrate user's location into the calculation of power generated | 3 | 3 |
| **8** | Implement pop help message | 2 | 2 |
| **9** | Improve user input UI | 3 | 3 |
|  | Story Points: 4 Total Hours: | 10 | 9 |

## Story ID: 2 Details Display Story Points: 4

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **3** | Display results in a clear and concise summary. | 4 | 1 |
| **4** | Implement a message stating how much the user saves (or stands to lose). | 2 | 2 |
|  |  |  |  |
|  | Story Points: 4 Total Hours: | 6 | 3 |

## Story ID: 22 Database Support Story Points: 8

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **6** | Setup a database with placeholder information | 4 | 6 |
| **7** | Enable the server to communicate with the database | 6 | 6 |
|  |  |  |  |
|  | Story Points: 8 Total Hours: | 10 | 12 |

# Iteration 4

Total Story Points: 22 Total Hours: 19 -

## Current Velocity: -20

## Story ID :12 Auto detect user location Story Points: 8

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **8** | Implement google map | 4 |  |
| **9** | Auto detect user’s location and show it on the map | 3 |  |
|  | Auto populate data(irradiance, feed in tarrif etc) based on location | 1 |  |
|  | Story Points: 8 Total Hours: | 8 |  |

## Story ID:10 Calculations/Database-optimal Package part2 Story Points: 8

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **10** | Research optimal degrees and directions in different locations | 2 |  |
|  | Implement this function in the code | 2 |  |
|  | Story Points: 1 Total Hours: | 4 |  |

## Story ID: 13 App-Feature-Multiple clusters Story Points: 2

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **11** | Write code to implement this function | 2 |  |
|  |  |  |  |
|  | Story Points: 1 Total Hours: | 2 |  |

## Story ID: 12 Actual Generation Story Points: 2

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **12** | Implement actual generation function | 3 |  |
|  |  |  |  |
|  | Story Points: 1 Total Hours: | 3 |  |

**Story ID:9 Calculations-Return of Investment Story Points:2**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **13** | Implement this comparison function | 2 |  |
|  |  |  |  |
|  | Story Points: 1 Total Hours: | 2 |  |

**Story ID:30 Calculation – Similar Setups Story Points:8**

|  |  |  |  |
| --- | --- | --- | --- |
| **Task ID** | **Task Description** | **Estimate** | **Taken** |
| **14** | Display results +/- the area average | 4 |  |
|  | Acquire and connect to a foreign source | 4 |  |
|  |  |  |  |
|  | Story Points: 8 Total Hours: | 8 |  |