# Project Design Phase-II
# Data Flow Diagram & User Stories
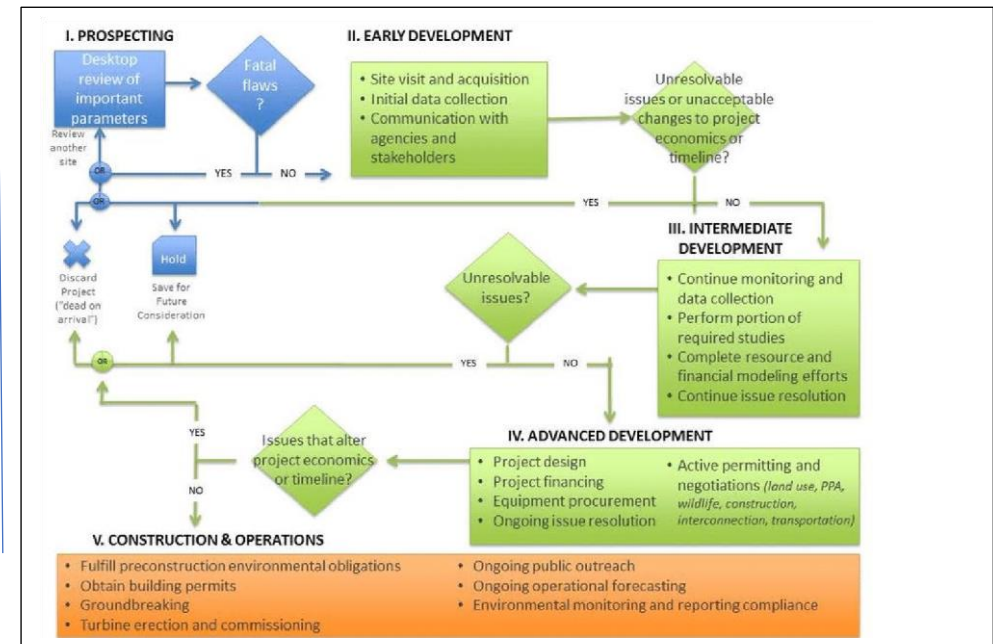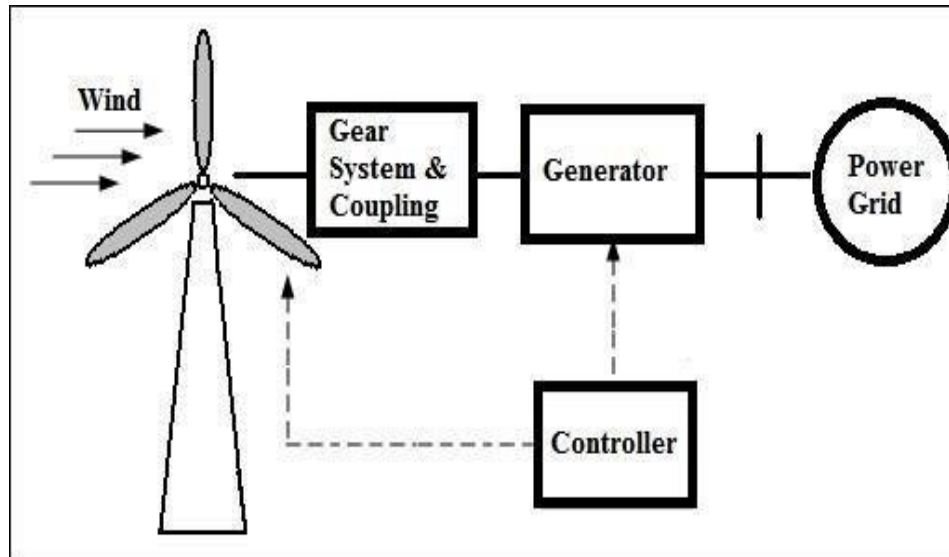
| Date | 23 October 2022 |
|---|---|
| Team ID | PNT2022TMID45145 |
| Project Name | Project - Predicting the energy output of wind turbine based on weather condition. |
| Maximum Marks | 4 Marks |

**Data Flow Diagrams:**

A Data Flow for Wind turbine is five stages. They are prospecting, early development, intermediate development, advanced development, constructions and operations.

Wind Energy Prediction Data Flow Diagram

**Example:** (Simplified)





**User Stories:**

| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance criteria | Priority | Release |
|---|---|---|---|---|---|---|
| Customer (Web user) | Information about wind energy | USN-1 | As a user I have learned about wind energy | It provides short and good information wind energy | Low | Sprint-1 |
| | | USN-2 | As a user I can know about wind turbine | It useful in understand the wind energy | Low | Sprint-1 |
| | Predicting Energy Wind Output | USN-3 | I can able to predict the wind energy output | It Provides accurately the wind speed | High | Sprint-2 |
| | | USN-4 | I can get energy output for the wind | It is help so I can easily predict energy output | High | Sprint-2 |
| | Weather Checking | USN-5 | I can check the weather of my state. | It provides weather condition in different states | Medium | Sprint-2 |

| | | USN-6 | I can check the weather condition for windmill | It provides weather condition and it helps in predicting energy output | Medium | Sprint-2 |
|---|---|---|---|---|---|---|