

## PROJECT DEVELOPMENT PHASE (SPRINT CONTENTS)

|              |                                                                         |
|--------------|-------------------------------------------------------------------------|
| Date         | 07 November 2022                                                        |
| Team ID      | PNT2022TMID19874                                                        |
| Project Name | Predicting the energy output of wind turbine based on weather condition |

| SPRINTS  | CONTENT                                                                                                                                                                                                                                                                                     |
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| Sprint-1 | 1. Data Collection <ul style="list-style-type: none"><li>Download or Create Dataset</li></ul> 2. Data Pre-Processing <ul style="list-style-type: none"><li>Import Required Libraries</li><li>Analyze The Datasets</li><li>Splitting Data Into Independent And Dependent Variables</li></ul> |
| Sprint-2 | 3. Model Building <ul style="list-style-type: none"><li>Choose the Appropriate Mode</li><li>Check The Metrics Of The Modell</li><li>Save the Model</li></ul> 4. API Integration <ul style="list-style-type: none"><li>Generate Weather API Key</li></ul>                                    |
| Sprint-3 | 5. Application Building <ul style="list-style-type: none"><li>Flask App</li><li>Html pages</li><li>Testing</li></ul>                                                                                                                                                                        |
| Sprint-4 | 6. Train The Model On IBM <ul style="list-style-type: none"><li>Register For IBM Cloud</li><li>Train The ML Model On IBM</li><li>Integrate Flask With Scoring End Point</li></ul>                                                                                                           |