

## Project Planning Phase

### Milestone and Activity List

Date	18 October 2022
Team ID	PNT2022TMID35901
Project Name	Project - Natural Disasters Intensity Analysis And Classification Using Artificial Intelligence
Maximum Marks	8 Marks

Sprint	Milestone
<b>Sprint - 1</b>	<ol style="list-style-type: none"> <li>1. Setting Up IBM Cloud and Watson Assistant</li> <li>2. Gathering the required Dataset for Natural Disaster Detection</li> <li>3. Uploading them to IBM Cloud, and Preprocessing them</li> </ol>
<b>Sprint - 2</b>	<ol style="list-style-type: none"> <li>1. Building the CNN Model for Disaster Classification</li> <li>2. Training, Testing and Validating the Model based using the corresponding dataset partitions, and observing the metrics such as accuracy and loss during training and validation, as well as the accuracy of classification</li> <li>3. Work on Improving the Accuracy of the Model, Time taken for Classification, and Intensity based alerting for a particular disaster</li> </ol>
<b>Sprint - 3</b>	<ol style="list-style-type: none"> <li>1. Develop a Dashboard for User in particular, and administrator if possible, with account creation features to login anytime as needed</li> <li>2. Enable footage or image request feature on the web app for the user to upload the content to be fed for classification</li> <li>3. Location retrieval either automatically/manually can be an add-on for providing alerts</li> </ol>
<b>Sprint - 4</b>	<ol style="list-style-type: none"> <li>1. Bridging CNN Model on Cloud with web app to display alerts, classified disaster, and intensity to the user</li> <li>2. Experimenting usage of third party account for Website login</li> <li>3. Web App Optimization, Server Load testing, Failure/Bug Handling and Customer Support</li> </ol>