

## Milestone Activity Plan.

Use the below template to create product backlog and sprint schedule

| Milestone    | Function (Epic)     | Milestone<br>Story<br>Number | Story / Task  |
|--------------|---------------------|------------------------------|---|
| Milestone -1 | Data Collection     | M1                           | we're collecting dataset for building our project and creating two folders, one for training and another one for testing.   |
| Milestone-2  | Image preprocessing | M2                           | Importing image data generator libraries and applying image data generator functionality to train the test set.   |
| Milestone-3  | Model Building      | M3                           | Importing the model building libraries, Initializing the model, Adding Convolution layers, Adding the Pooling layers, Adding the Flatten layers, Adding Dense layers, Compiling the model Fit and Save the model. |
| Milestone-4  | Testing the model   | M4                           | Import the packages first. Then we save the model and Load the test image, preprocess it and predict it.  |
| Milestone-5  | Application layer   | M5                           | Build the flask application and the HTML pages.   |
| Milestone-6  | Train CNN model     | M6                           | Register for IBM Cloud and train Image Classification Model.  |

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|-------------|--------------|----|--|
| Milestone-6 | Final result | M7 | To ensure all the activities and resulting the final output. |
|-------------|--------------|----|--|