

MILESTONES AND ACTIVITY LISTS

Date	30 October 2022
Team ID	PNT2022TMID02120
Project Name	Project – DEEP LEARNING FUNDUS IMAGE ANALYSIS FOR EARLY DETECTION OF DIABETIC RETINOPATHY
Maximum Marks	2 Marks

1. Prerequisites

- Anaconda navigator and pycharm
- Software

2. Project Objectives

- Know fundamental concepts and techniques of transfer learning like Xception.
- Gain a broad understanding of image data.
- Know how to pre-process/clean the data using different data pre-processing techniques.
- Know how to build a web application using the Flask framework.

3. Create And Configure IBM Cloud Services

- Register & Login to IBM Cloud
- Create Service Instance
- Creating Service Credentials
- Launch Cloudant DB
- Create Database

4. Ideation Phase

- Creating a Literature Survey On The Selected Project & Information Gathering
- Preparing an Empathy Map
- Ideating

5. Project Design Phase -1

- Proposing a Solution
- Preparing a Solution Fit

6.Project Design Phase -2

- Creating a Customer Journey map
- Analyzing Functional Requirements
- Creating Data Flow Diagram
- Creating Technology Architecture

7.Project planning Phase

- Preparing Milestones & Activity List
- Creating Sprint Delivery Plan

8.Project Development Phase

- Constructing the ML model for early detection of DR.
- Classifying the images and displaying the result
- Improving the Accuracy.
- Testing