



Ahmedabad
University

CSE541 Computer Vision

Weekly Project Report

Date: 26-03-2023

Project title: Real-time medical image disease detection using deep learning methods.

Group 8

Name	Enrolment no.
Meet Patel	AU2040010
Dev Patel	AU2040056
Manthan Patel	AU2040123
Sagar Bajaj	AU2040252

1. Task performed this week and outcomes of task performed

- According to the suggestions given by sir, we decided to redefine the classes.
- Previously, there were three classes of anatomical landmarks and three pathological findings.
- The pathological findings are the diseases, and the anatomical landmarks used to identify lesions in a particular region that helps in positioning during endoscopic examination.
- We decided on the five classes which are the pathological findings:
 1. Barrett's
 2. Esophagitis
 3. Hemorrhoids
 4. Polyps
 5. Ulcerative-colitis

2. Tasks to be performed in the upcoming week

- We will perform image pre-processing and image augmentation on the new defined classes.
- We will perform fine tuning on the ResNet model and try to improve the accuracy.