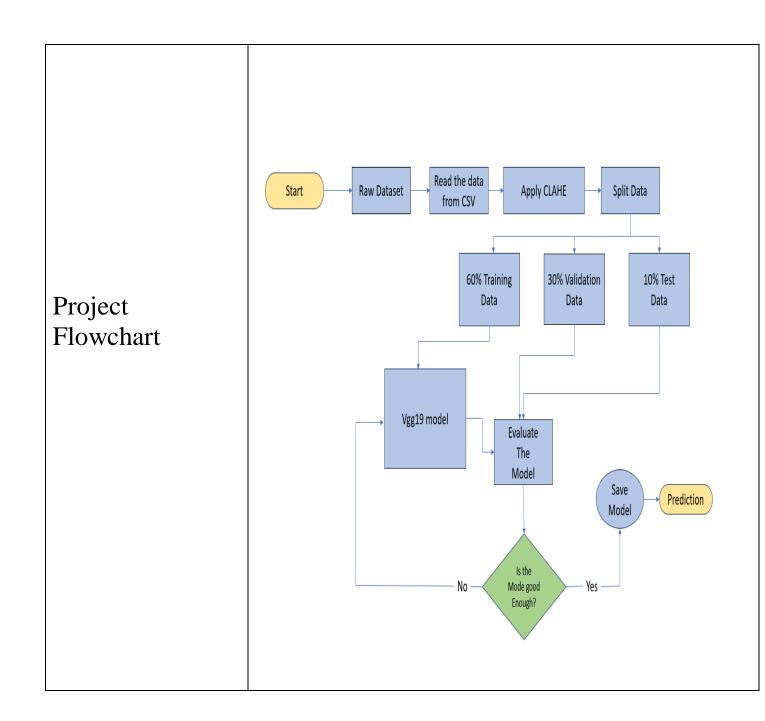


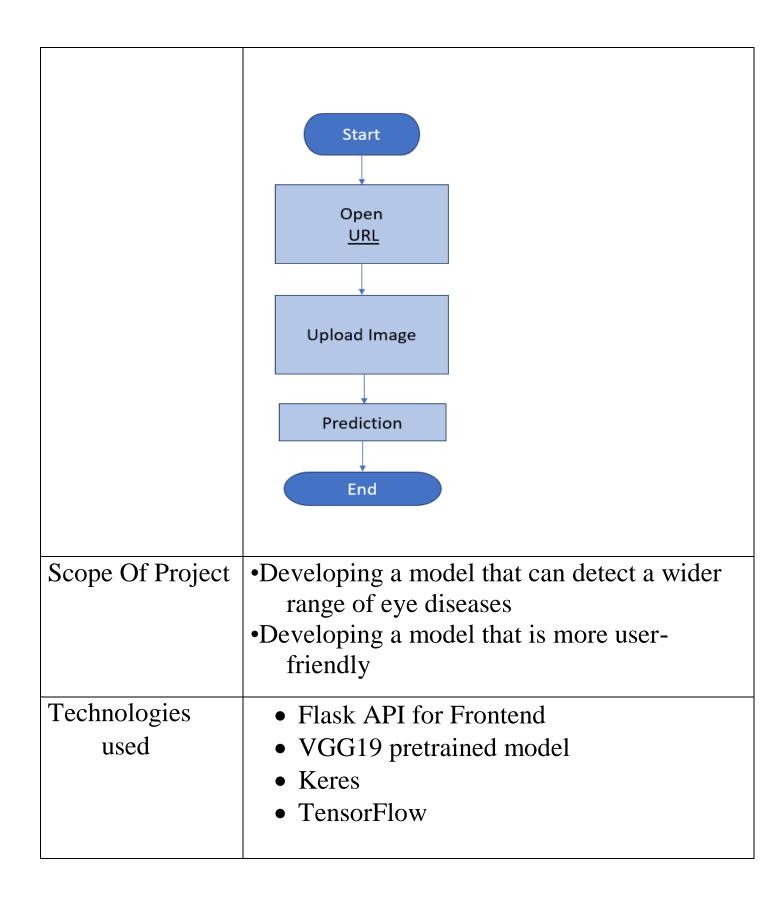
## Post Graduate Diploma in Big Data Analytics (PGDBDA) March 2023 Batch

Group Number	Group - 02
Guide	Dr. Priyanka Jain (AD, CDAC Delhi)
	Mr. Anurag Singh (Project Engineer)
Group Members	1. Rajesh Rane
	2. Akshay Hanumante
	3. Swapnil Randive
Project Title	Capturing Insights: Developing an Advanced
	Fundus Camera for Ocular Health Assessment
Abstract	•Ocular health assessment is a critical
	component of preventive care.
	However, traditional methods of
	ocular health assessment, such as
	manual grading of fundus images, can
	be time-consuming and prone to
	errors.

- •Machine learning (ML) has the potential to automate ocular health assessment and improve its accuracy.
- •This study proposes the development of an ML model for ocular health assessment using an advanced fundus camera.
- •The model will be trained on a dataset of fundus images with ground truth labels for various ocular health conditions.

  The model could also be used to improve the accuracy of ocular health assessment, which could lead to earlier detection and treatment of eye diseases.





Application	<ul> <li>Telemedicine: Advanced fundus cameras can be used for telemedicine, which is the delivery of health care services remotely. This can make it easier for people in rural or remote areas to access eye care services.</li> <li>Research: Advanced fundus cameras can be used for research into eye diseases. This can help to improve our understanding of these diseases and to develop new treatments.</li> </ul>
Project Timelines (Total:120 hours)	Group form: 26 June Project title justification: 15 Aug Abstract: 16 Aug Discussed dataset within team: 18 Aug Started working on backend: 21 Aug Started working on flask web application:27 Aug Code Integration done 31 Aug