

Project Design Phase-I Solution Architecture

Date	29 October 2022
Team ID	PNT2022TMID41433
Project Name	Deep Learning Fundus Image Analysis for Early Detection of Diabetic Retinopathy
Maximum Mark	4 Marks

Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

- Find the best tech solution to solve existing business problems.
- Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
- Define features, development phases, and solution requirements.
- Provide specifications according to which the solution is defined, managed, and delivered.

Example-Solution Architecture Diagram:

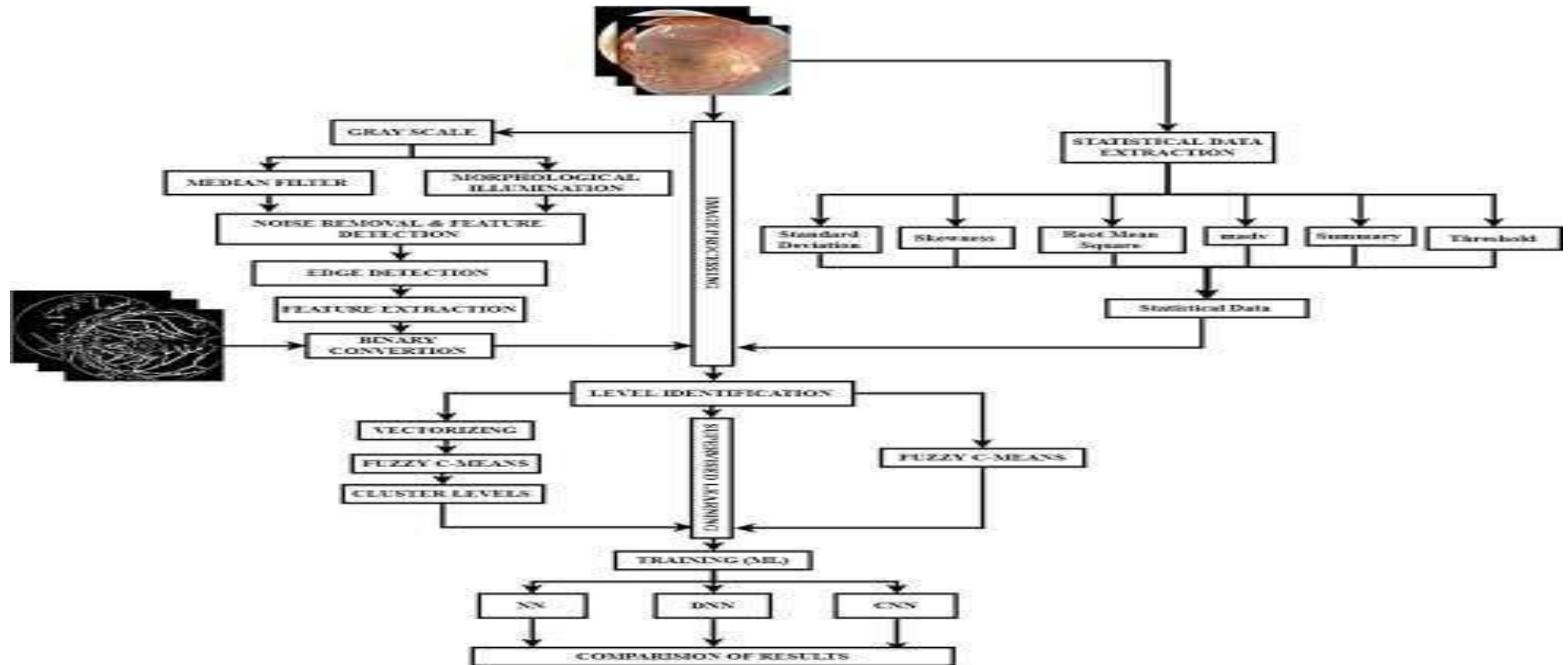


Figure 1: Model Architecture of Diabetic Analysis

Reference: https://www.researchgate.net/figure/Model-Architecture-of-Diabetic-Retinopathy-Analysis_fig6_322978904

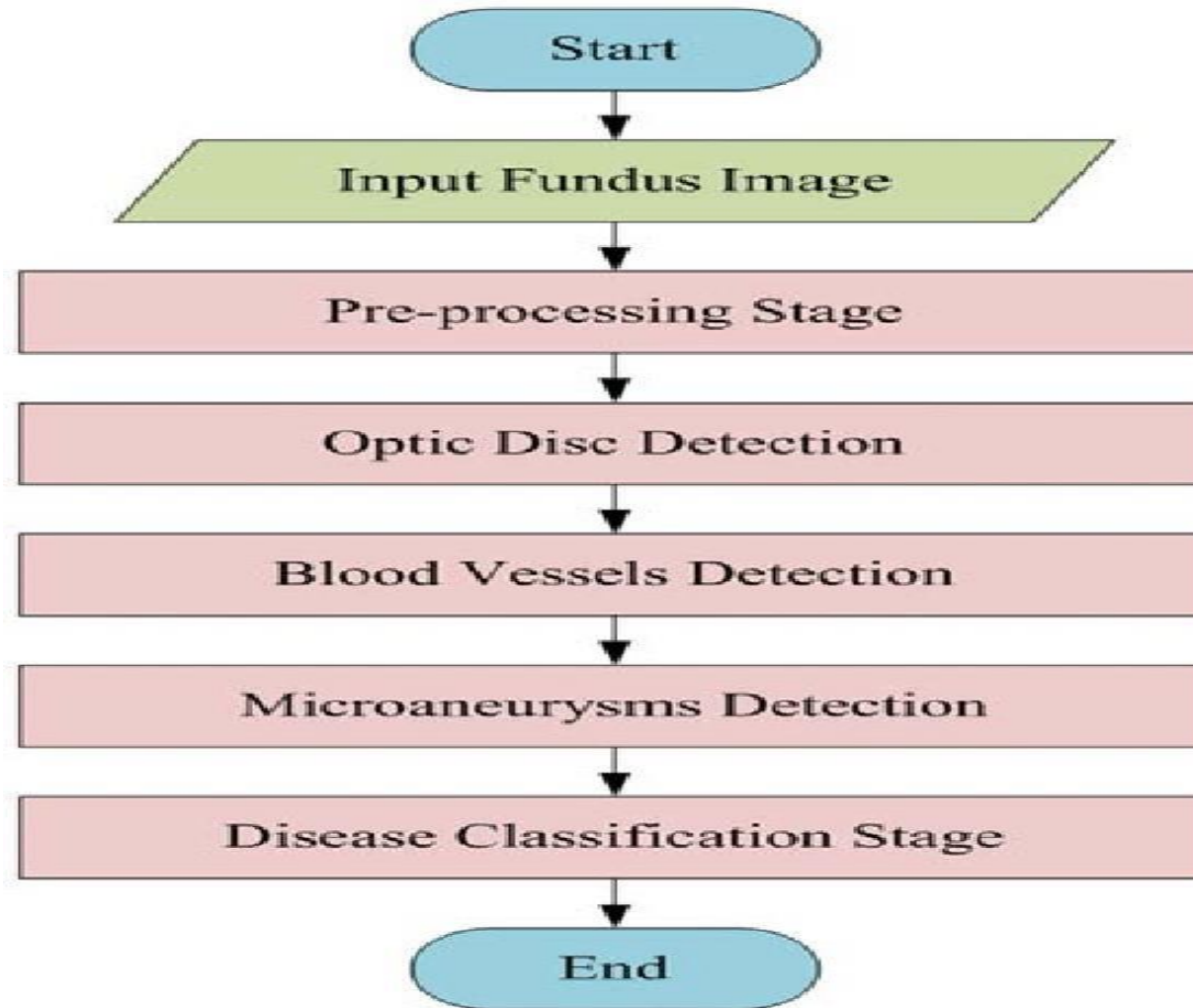


Figure 2: Detection of Diabetic Retinopathy

Reference: https://www.researchgate.net/figure/General-Flowchart-of-Detection-of-Diabetic-Retinopathy-Using-Image-Processing-Techniques_fig1_339077824

