

Solution Requirements (Functional & Non-functional)

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	Identify and selecting dataset	It is necessary to select the appropriate dataset to enhance the model's performance.
FR-2	Diagnosis	The training should ensure proper diagnosis and make sure to identify the true and false of the medical condition [Diabetic retinopathy].
FR-3	Analysis	Based on the training the model should analyse the medical condition [DR] in order to protect/detect the disease accurately.
FR-4	Testing	The trained model is tested with different data to ensure it has trained well to predict/detect the medical condition[DR].
FR-5	Treatment	The testing of the model gives us the level of the medical condition so that we can go for the required treatment.

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	User with basic understanding of the medical condition and computer knowledge can operate the system.
NFR-2	Reliability	There is a chance of hardware failure or false positives when the testing data is more of different than the training dataset.
NFR-3	Performance	The performance of the model is meant to give speedy results for the patients.
NFR-4	Availability	The model is made to be available anytime and anywhere.
NFR-5	Scalability	The scalability of the model can be enhanced with future technologies so that the performance of the model can be improved and might affect the reliability when the given for testing is increased.