Project Design Phase-II 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	Hand Detection	Filters out hand from video capturing device.
FR-2	Skin Detection	Filter the objects of non skin-coloured.
FR-3	Filtered Object Detection	Read and recognize clusters skin coloured objects.
FR-4	Hand Calibration	Perform adjustment according to user's dominant hand.
FR-5	Browsing Gesture Control Mode	Hand gesture recognized for commands.

Non-functional Requirements: Following are the non-functional requirements of the proposed solution.

FR No.	Non-functional Requirements	Description
NFR-1	Usability	Easy to use for all users with minimal instruction. It is understandable by non-technical users.
NFR-2	Reliability	It is operable in all lighting conditions. Regardless, of the brightness level in user's operating environment. NFR-4 Performance
NFR-3	Security	Application will be permissible to used only in secure Networks and less feasibility of insecurity.
NFR-4	Performance	Minimize the number of calculation to perform hand gesture detection and to improve image quality resolution.
NFR-5	Availability	This application supportsrecognition of gesture only through internet connection.
NFR-6	scalability	Scalable to support future developments and shall be at least 50% extensible to allow new gesture recognition features to be added to the systems.