

Project Design Phase-I Solution Architecture

Date	19 September 2022
Team ID	PNT2022TMID26778
Project Name	Project - A Gesture-based Tool for Sterile Browsing of Radiology Images
Maximum Marks	4 Marks

Solution Architecture:

The sterile gesture interface consists of a Canon VC-C4 camera, whose pan/tilt/zoom can be initially set using an infrared (IR) remote. This camera is placed just over a large flat screen monitor. Additionally, an Intel Pentium IV, (600MHz, OS: Windows XP) with a Matrox Standard II video-capturing device is used.

A two layer architecture is used: In the lower level “Gestix” provides tracking and recognition functions, while at the higher level a graphical user interface called “Gibson” manages imaging visualization.

Example - Solution Architecture Diagram:

