**Project Design Phase-I**

**Problem – Solution Fit Template**

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| Date | 17.10.2022 |
| Team ID | PNT2022TMID09880 |
| Project Name | A gesture-based tool for sterile browsing of radiology images |
| Maximum Marks | 2 Marks |

**Problem – Solution Fit Template:**

A hand gesture system for MRI manipulation in an EMR image database called “Gestix” was tested during a brain biopsy surgery.

This system is a real-time hand-tracking recognition technique based on color and motion fusion.

**Purpose:**

* This paper presents “Gestix,” a vision-based hand gesture capture and recognition system.
* That interprets in real-time the user's gestures for navigation and manipulation of images in an electronic medical record (EMR) database.
* A sterile human—machine interface is of supreme importance because it is the means by which the surgeon controls medical information avoiding contamination of the patient, the OR and the surgeon.

**Template:**

