**IDEATION PHASE – BRAINSTROMING SESSION**

**PROJECT NAME :** A Gesture based tool for sterile browsing of  **TEAM MEMBERS:**

radiology images Nithiya Shri D(1904031) - Team leader

**DATE OF SUBMISSION:** 16.09.2022 Anitha B(1904002)

**PROBLEM STATEMENT:** To replicate sterile browsing skill in computers Indhumathi K(1904014)

using image capture technology and classification techniques. Indhumeena N M(1904015)

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| **IDEA 1** | **IDEA 2** | **IDEA 3** |
| * A video-based hand gesture capture and recognition system used to manipulate MRI within a graphical user interface. * A hand gesture vocabulary of commands are selected such as 1-Resize, 2-Flip, 3-Rotate, 4-Rectangle. * Each gesture is cognitively associated with the notion or command that is meant to represent it. * Using this doctors can analyze the image by having non-verbal communication | * By tracking the navigation and other gestures and translate to commands based on the temporal trajectories through video capture. * To develop computer vision algorithms to extract intension and attention cues from the surgeons behavior and combine them with sensory data from a commodity depth camera. | * By using machine learning algorithms for image detection and recognition for sterile browsing of images in radiology. * But the system becomes more complex and requires large number of data set for implementation. |