

LITERATURE SURVEY

S.NO	PAPER TITLE	JOURNAL PUBLISHED	AUTHOR	YEAR	WORK EXPLAINED
1.	A Gesture-based Tool for Sterile Browsing of Radiology Images	Journal of the American Medical Informatics Association(JAMIA)	Juan P.Wachs, Helman I. Stern, Jon Handler	2008	It presents “Gestix”, a vision-based hand gesture capture and recognition system that interprets in real-time of the user’s gesture for navigation and manipulation of images in an electronic medical record (EMR) database.
2.	Gesture-controlled image system positioning for minimally invasive interventions	Current Directions in Biomedical Engineering(CDIBE)	Benjamin Fritsch*, Thomas Hoffmann, André Mewes and Georg Rose	2021	This work examines how a touchless interaction concept contributes to an efficient, direct, and sterile interaction workflow during CT-guided interventions. Two hand gesture sets were designed specifically under consideration of the clinical workflow and the hardware capabilities. These were used to change the position of an X-Ray tube and detector of a CT scanner without breaking sterility and are compared regarding usability and performance in a user study with 10 users.
3.	Study on Hand Gesture Recognition	International Journal of Computer Science and Mobile Computing(IJCSMC)	<u>Samata Mutha,Dr. K.S.Kinage</u>	2015	To access any information user has to repeat keyboard and mouse actions which results in waste of time and it is inconvenient to use. So hand gesture recognition has received attention in

					the recent years. Using hand gesture we can easily interact with any device robustly. In this paper we have surveyed methods of hand gesture recognition like coloured glove, vision based depth camera etc.
4.	USING FUZZY INTEVAL HAND GESTURE RECOGNITION SYSTEM	International Journal of Advanced Engineering Research and Studies	<u>Mr. Nilesh J. Patel</u>	2012	Human gestures are the way to express or communicate. Idea of Hand Gesture Recognition System is to promote the users from special category, those who can't handle traditional input devices as well as for normal users. This system will enable handicap users to operate computer system till some extent skipping mouse and keyboard
5.	Vision Based Hand Gesture Recognition	International Journal of Computer and Information Engineering	Pragati Garg, Naveen Aggarwal and Sanjeev Sofat	2009	Direct use of hands as an input device is an attractive method for providing natural Human Computer Interaction which has evolved from text-based interfaces through 2D graphical-based interfaces, multimedia-supported interfaces, to fully fledged multi-participant Virtual Environment (VE) systems. Imagine the human-computer interaction of the future: A 3D application where you can move and rotate objects simply by moving and rotating your hand - all without touching any input device

6.	A Multi-Sensor Technique for Gesture Recognition through Intelligent Skeletal Pose Analysis	JOURNAL OF LATEX CLASS FILES	Nathaniel Rossol,Irene Cheng,Anup Basu	2015	Recent advances in smart sensor technology and computer vision techniques have made the tracking of unmarked human hand and finger movements possible with high accuracy and at sampling rates of over 120 Hz. However, these new sensors also present challenges for real-time gesture recognition due to the frequent occlusion of fingers by other parts of the hand.
7.	Comparative Learning of Hand Gesture Recognition Method	International Journal of Science and Research (IJSR)	Seema Sharad Devkule , Lalitkumar P. Khairnar	2016	Gesture Recognition means detection and identification of gestures originates from body motion but generally originate from face or hand. Present focuses in the field include feeling recognition from the face and hand gesture recognition with the improvement of ever-present computing, current user interaction approaches with keyboard, and mouse and pen are not enough.
8.	HAND GESTURE RECOGNITION SYSTEM USING DEEP LEARNING	International Research Journal of Engineering and Technology (IRJET)	Dr. Mary Praveena S, Pavithra P, Teena sree G, Winonah Rajendran	2020	<u>Physical contact with other people and also things inside hospital serves to be one of the major reasons for transmission of any kind of microorganisms. Here we consider a hand gesture-based system that interprets a user's hand gestures in real time to manipulate objects within an environment and in today's world many people are suffering from paralysis.</u>

