

**DEPARTMENT OF INFORMATION TECHNOLOGY**

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**BATCH NO** : VI

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**PROJECT GUIDE** : Dr.N.MAGENDIRAN, M.E.,Ph.D.., Prof/IT

**PROJECT TITLE :** Virtual Mouse

**ABSTRACT:**

A virtual mouse using hand gestures to control the mouse cursor and perform tasks on the computer is known as a virtual mouse. This interface is designed to provide users, especially those with physical limitations or those who prefer a hand-free approach, a straightforward and natural method to interact with computers. This technology uses a camera to record the user's hand movements. The computer performs the appropriate operations after processing the collected photos to identify the hand motions. Machine learning methods have been utilized by the system to recognize and learn various hand motions. NumPy, math, wx, and the mouse will be required to implement this system. The capacity to regulate a computer using hand gestures.

**PROJECT GUIDE HOD**