

HAND GESTURE SWITCHING USING RASPBERRY PI

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In this paper, a continuous vision based framework is proposed to screen objects (hand fingers). It is constructed dependent on the Raspberry Pi with camera module and customized with Python programming Language upheld by Open Source Computer Vision (Open CV) library. It likewise contains a 5 inch 800*480 Resistive HDMI Touch screen for I/O information. The Raspberry Pi implants with a picture handling calculation called hand signal, which screens an article (hand fingers) with its extricated highlights. The basic point of hand motion acknowledgment framework is to build up a correspondence among human and automated frameworks for control. The perceived motions are utilized to control the movement of a versatile robot progressively The portable robot is assembled and tried to demonstrate the adequacy of the proposed calculation. The robot movement and route happy with various headings: Forward, Backward, Right, Left and Stop. The recognition rate of the robotic system reached about 98.