

Design of a robot arm controller with PS2 remote

Tran Van An

Abstract: The research aims to design and implement a robotic arm control system using a signal receiver from the PS2 port. The project begins with an analysis of real-world problems, highlighting the need for high flexibility in controlling the robotic arm. The objective is to build a convenient user interface by using a PS2 remote to transmit signals to the robotic arm. The research methodology includes designing a control algorithm based on signals from the PS2 port, followed by implementing and testing the system on a real-world platform. The expected outcome is to provide a flexible application solution for controlling robotic arms in various use cases.

Keywords: robot arm, PS2 remote, robot control, user interface, system testing