













Figure 1: Schematic diagram of the proposed system architecture. The diagram illustrates the flow of data and control signals between various components, including the User, Controller, and Actuator, and their interaction with the system's internal modules.

The system architecture is divided into several functional blocks:

- User Interface:** The top section shows the user's interaction with the system, including input and output devices.
- Controller:** The central processing unit that manages the system's operation, receiving inputs and sending control signals.
- Actuator:** The component that executes the control signals, driving the system's mechanical or electrical components.
- System Modules:** The internal components of the system, including sensors, actuators, and control logic.

The diagram also includes a detailed view of the system's internal structure, showing the arrangement of components and the flow of data and control signals. This view is presented in a 3D perspective, highlighting the physical layout of the system.



