

## **1.8 NAVIGATION AND MANIPULATION INTERFACES:**

### **1. VR Controllers:**

- VR controllers, equipped with 3D position trackers, enable users to navigate and interact with virtual environments. They often include buttons, triggers, and touch-sensitive surfaces for additional input.

### **2. Motion Capture Systems:**

- In motion capture applications, 3D position trackers capture the movement of objects or actors. This data is then used to animate characters or objects within a virtual space.

### **3. Wearable Devices:**

- Wearable devices, such as AR glasses or smart gloves, often incorporate 3D position trackers to provide users with a hands-free and immersive experience.

### **4. Robotics and Automation**

- In robotics, 3D position trackers assist in tracking the movement of robotic arms, drones, or autonomous vehicles, enabling precise control and navigation.

### **5. Simulators:**

- 3D position trackers are integral components of simulators used in aviation, driving, or medical training. They allow users to interact with realistic virtual environments.

