

Privacy Policy – Virtual Mechatronics Lab

Last Updated: 1/13/2026

The **Virtual Mechatronics Lab** ("VML", "we", "us", or "our") operates the **Virtual Mechatronics Lab application** (the "App").

We are committed to protecting your privacy and ensuring transparency in how data is handled within immersive XR environments and the Meta ecosystem.

1. Information We Collect

Depending on how you use the App, we may process the following categories of data:

a. Personal Information

- Name and email address (only if you voluntarily create an account or contact us)

b. Educational & Simulation Data

- Interaction data within virtual laboratories (e.g., machine operation, experiment steps, training progress)
- Simulation states related to mechatronics, automation, robotics, or industrial training scenarios

c. Device & Movement Data (XR Data)

- Head position, hand tracking, controller input, height, and movement data
- This data is processed **locally on the Meta Quest device** in real time to enable immersive interaction
- **We do not store biometric or movement data on our servers unless explicitly stated**

d. Usage & Diagnostics Data

- App usage statistics (session duration, feature usage)
- Crash reports and performance logs used to improve stability and user experience



2. How We Use Your Data

We use collected data strictly for the following purposes:

- Delivering immersive **virtual mechatronics laboratory experiences**
- Enabling interactive simulations, training modules, and digital twins
- Improving system performance, usability, and learning effectiveness
- Supporting academic research, demonstrations, and educational analytics (in anonymized form)
- Ensuring platform security and operational integrity

3. Data Storage and Retention

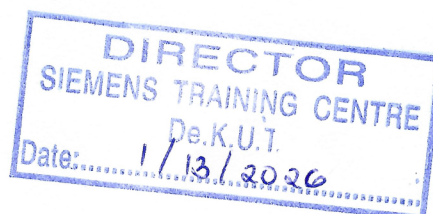
- **Local Processing:**
Most XR movement and interaction data is processed in real time and discarded at the end of each session.
- **Cloud Storage:**
Account details or optional learning progress data may be stored on secure servers using industry-standard encryption.
- **Retention Policy:**
Personal data is retained only for as long as necessary to provide services or meet legal and institutional requirements.

4. Sharing of Information

We **do not sell** personal, educational, or simulation data.

Data may be shared only under these limited circumstances:

- **Service Providers:**
Trusted providers supporting hosting, analytics, or technical maintenance
- **Legal Obligations:**
When required by law or to protect users, institutional partners, or public safety



5. Your Rights and Data Deletion

Depending on your jurisdiction (e.g., GDPR, CCPA), you may have the right to:

- Access personal data we hold about you
- Request corrections to inaccurate information
- Request deletion of your personal data

Data deletion requests can be submitted via the contact details below.

6. Meta Platform Integration

This App is distributed via the **Meta Quest Store**.

Your use of Meta hardware and services is governed by Meta's own Privacy Policy.

We do not control or assume responsibility for Meta's independent data collection practices.

7. Security

We apply appropriate technical and organizational safeguards, including:

- Encrypted data storage and transmission
- Restricted access controls
- Secure server infrastructure

These measures are designed to protect against unauthorized access, misuse, or data breaches.

8. Contact Us

If you have questions about this Privacy Policy or your data:

Email: smscp.kenya@dkut.ac.ke

Website: <https://vml.dkut.ac.ke>

