Group 5 – Soham Naik, Alan Raj, Deniz K Acikbas, Zaynab Mourtada

Key Deliverables	
Deliverable	**Deadline**
Provide research-based justification for the approach to each component of our system ● Android App Dev ● VR/AR Dev ● Image Processing and Computer Vision ● Machine Learning - Gesture Recognition, Smoothing ● 3D Visualization	**Oct 31, 2024**
Operational LED glove control.	**Nov 15, 2024**
A mobile app with real-time camera feed access.	**Nov 15, 2024**
Image processing algorithms for LED glove-based movement trace tracking.	**Dec 1, 2024**
Machine learning models for hand gesture and finger movement trace recognition.	**Dec 1, 2024**
Real-time 3D visualization of finger movement traces.	**Dec 1, 2024**
Postmortem and Feasibility Prototype Demo	**Dec 17, 2024**
Full VR integration of hand gesture and finger trace visualization in an immersive space.	**Jan 31, 2025**
Write, Design and Prepare a Paper for Publishing	**Mar 3, 2025**
Research and develop further implementations or potential applications of this technology	**Mar 1, 2025**