Virtual Reality Research Presentations

Virtual Reality Helps Improve Emergency Evacuation Procedures in Aviation Safety

You are cordially invited to the Summer Research Presentations in DVXR lab focused on Data Science, Virtual reality, Mixed Reality, Health Informatics, and Artificial Intelligence.

DVXR Lab Website: https://ci.unt.edu/dvxr/

Time: 10:00 AM to 1:00PM   **Date**: 1st August 2025

Place: Room No. K150, UNT Discovery Park

Research Projects:

1. **Active Shooter Response VR Modules [Pranav]**
2. **HoloLens and Mobile Applications for Evacuation, Navigation, & Spatial Analysis [Keerthana, Tharun]**
3. **AI-Powered NPCs for reducing stress & anxiety [Sam, Navatha]**
4. **Cyber Security Tutor using Generative AI [Danah]**
5. **Simulating Epidemic Interventions Using Multi-Agent [Faria]**
6. **Time Series Analysis, Anomaly & Emotion Detection [Johannas]**
7. **Mental Health & Anxiety Management using EEG Signals, VR & EmotIV [Lavanya]**
8. **Data Science/ML techniques for waveforms from legacy magnetic tapes [Krishna]**
9. **Fire evacuation in a building training module [Pranitha]**
10. **AI/ML model for Real Time Stress Detection from EEG Signals [Rishat]**
11. **Digital Twin Creation for UNT building [Sai]**
12. **Point Cloud Data Visualization in VR [Srikanth]**
13. **Mobile Application for Mental Health Care and Yoga [Abhaya]**

Date: 1st August 2025, Friday, Time: 10:00 AM

Room No. **K150,** Discovery Park

DVXR Lab Director: Dr. Sharad Sharma

Associate Dean of Research & Professor

Website: https://ssharma.ci.unt.edu

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The Anuradha and Vikas Sinha
Department of Data Science

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Data Visualization and Extreme Reality (DVXR) Lab
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