



EEGS SEMINAR SERIES 2025

Dr. Vikas Menghwani, Assistant Professor of Teaching, EEGS—UBCO.

TALK TITLE:

EXPLORING IMMERSIVE VR AS AN EXPERIENTIAL LEARNING APPROACH IN HIGHER EDUCATION.

ABSTRACT:

The project explores the integration of Immersive Virtual Reality (IVR) into higher education at an undergraduate level, leveraging its potential for experiential learning. The focus is on virtual field trips, facilitated by large-scale display wall capable of 3D VR visualizations (at VEMS UBCO). The facility allows for group experiences. The field trip is designed as an interactive tour of a fully operational, small-scale Bioenergy power plant serving the heating needs of the UBC Vancouver campus. This tour provides a multidisciplinary perspective, covering the engineering aspects of the plant, the renewable nature of biomass, supply chain challenges, and the institutional aspects of implementing industrial-scale energy facilities in educational and research settings. Designed as action research, student and peer feedback is meant to assess the effectiveness of IVR as an experiential learning tool in higher education.



For inquiries contact:

Vikas.menghwani@ubc.ca
EEGS.okanagan@ubc.ca

EEGS Homepage
eegs.ok.ubc.ca

Join us
Friday, Jan. 17th
12:30—01:30pm
SCI 374