

Faculty Fellowship Project

“AI-Assisted Experiential Learning Framework for Online STEM Education: A Scalable Model for Workforce-Oriented Learning”

This project supports **VState Online’s goals** by creating engaging, AI-assisted experiential learning that can strengthen online STEM program growth and student success. Authentic problem-solving and professional portfolios enhance retention and workforce readiness, while the scalable framework encourages interdisciplinary partnerships and provides a foundation for continued innovation across VSU’s online programs.

About Dr. Debasree Chatterjee:

Dr. Debasree Chatterjee joined Valdosta State University’s Department of Chemistry and Geoscience in Fall 2024. An environmental geomorphologist with expertise in GIS, remote sensing, and environmental sustainability, she integrates real-world environmental problems, authentic datasets, and inquiry-based learning into her teaching. Her pedagogical approach emphasizes student-centered, experiential, and evidence-based learning designed to strengthen critical thinking and workforce-relevant skills. Dr. Chatterjee has extensive experience developing and teaching online and geospatial courses and has completed Quality Matters training in online course development and served as a Quality Matters course reviewer. Her professional development also includes participation in the NSF-funded Gateway North Dakota STEM Education Initiative and SENCER, with a continuing focus on active learning and civic engagement in STEM education.