Instructor: Dr. Anika Jannat Rimu, Assistant Professor
Academic Department: Engineering and Technology

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EDUCATION

Industrial Engineering, Doctor of Philosophy
The University of Texas at Arlington, 2023
Bioengineering, Master of Science
The University of Texas at Arlington, 2021
Biomedical Engineering, Bachelor of Science
Pennsylvania State University, 2019

TEACHING EXPERIENCE

August 2024 – Present, Assistant Professor, East Texas A&M University
August 2023 – August 2024, Visiting Assistant Professor, Purdue University

PUBLICATIONS

Rimu, A., Sharif, S., Sood, J., Dubey, A., Nagargoje, A., & Deb, S. (2023, May). Cyclists' Inattention for Interacting with Assistive Technology: A Facial Expressionbased Analysis. In IISE Annual Conference and Expo. IISE.
Rimu, A. J., Deb, S., Islam, M., Etminani-Ghasrodashti, R., & Pande, A. (2022). Roadmap for child-pedestrian training program informed by contextual crash data. Transportation research record, 2676(11), 250-261
Ngwu, O. L., Rimu, A., Deb, S., Lummus, J. R., Kan, C., & Zhou, Y. (2022). Teenage bicyclists' perceptions toward automated vehicles and their associated traffic infrastructure: A focus group discussion. Transportation research part F: traffic psychology and behaviour, 89, 371-384.
Rimu, A., Panik, R., Murali, S., Watkins, K., Li, M., & Deb, S. (2022). Identification of

Potential Warning Signals for a Smartphone-based Bicyclist Assistant System. Human Factors and Systems Interaction, 52(52)

Rahman, T., Santiago, B., Rimu, A., Deb, S., Pande, A., & Islam, M. (2022). A Virtual Reality Program to Improve Child Pedestrians' Safety at Street-Crossing Scenarios. In Human Factors and Systems Interaction. AHFE (2022) International Conference. AHFE Open Access (Vol. 52).

Ngwu, O. L., Rimu, A., & Deb, S. (2022). How to Design Traffic Infrastructure to Support Cyclists' Interaction with Autonomous Vehicles: Teenage Cyclists' Perceptions. Human Factors and Systems Interaction, 52(52)

RESEARCH GRANTS AND AWARDS

May 2025, *Real-Time Multimodal Predictive Analytics Framework for Healthcare Monitoring*, 2025 TEES Annual Research Conference, $7,500