

USF NEXUS INITIATIVE 2019 AWARD RECIPIENT

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Modeling of Blockchain, Internet of Things (IoT), and 5th Generation (5G) Wireless Technologies for Smart Cities Development

This research project is intended to conduct a collaborative study of the 5th generation (5G) wireless communication systems, their modeling and simulation parameters, performance measurement criteria, and their weaknesses and strengths to make recommendations for new parameters as they are transitioning to the 6G. This study will use modeling of blockchain, Internet of Things (IoT), and 5G technologies to develop a model for smart cities and create a roadmap for a smooth transition to 6G. PIs will make a comparison between the North American and European standards and constraints as well as approaches in transitioning to 6G.

Partnerships:

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