

Experiential Learning @ Frederick

Academic Year 2022-2023, *Fall 2022*

Organization Name:	CYRIC: Cyprus Research and Innovation Center
Course at Frederick University:	ACSC423: Mobile and Ubiquitous Computing and Applications
Programme of Study at FU:	BSc in Computer Science, BSc in Computer Engineering
Project Title:	An IoT-enabled smartphone application for smart/green environments.
Project Overview:	<p>CYRIC's IoT web platform provides the opportunity to smartphone application developers to utilize real-time data from IoT devices through RestFul APIs for implementing applications regarding smart environments, such as smart water management, smart buildings, smart agriculture, smart cities, etc.</p> <p>In this project, students are asked to use all the knowledge gained in the lectures and laboratories of the course to develop an innovative Smartphone application that will target an IoT solution by utilizing real-time IoT sensor data. Each team has to decide the Android application with which it will work and work on the application's requirements analysis, design, documentation and implementation. The proposed application should satisfy specific requirements derived from the user needs of a target company.</p>
Organization Overview:	<p>CyRIC is a fast growing company with a strategic aim to become an important regional Center developing disruptive products for the world markets and providing unique, high quality services to the industry.</p> <p>CYRIC offers Research and Innovation Services for its customers in the fields of engineering design and prototyping, electronics and communications and software solutions. In addition a number of specialised consultancy and entrepreneurship services are offered to startups and SMEs.</p>

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Organization Website:	https://www.cyric.eu/
Faculty member at FU:	Andreas Constantinides