

CISC 499: Winter 2019 Project Descriptions

Project #DZ1: Information Security Attestation tool (1-2 students)

Supervisors: Jennifer Doyle (Information Technology Services) and Mohammad Zulkernine (School of Computing)

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The purpose of this project is to develop a tool that can be used by management and technical staff alike to attest compliance of their systems (e.g. cloud services, COTS, custom developed) with pre-defined security requirements following NIST and Cloud Security Alliance security controls.

The project would include identifying applicable requirements by type of service, designing automated workflows, UI and database, policy instruments, communication plans, and reporting.

The goal of the project is to ensure systems are in compliance with Queen's security architecture.

Project # DZ2: Identity verification (1-2 students)

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Canarie, in partnership with SecureKey, are implementing a new identity verification network called Verify.me. The goal of the project is to automate processes associated with identity verification (such as password resets). The aim of this project would be to design an integrated architecture with verify.me, the central Identity Management system, and iTrack, along with specified use cases, workflows, policy instruments, operational documentation, communications and training, that would be necessary to verify a person's identity.