



**Fourth Year Capstone Project Fair**

**March 17, 2023 from 9:30am - 12:00pm**

Vote for your favourite project visit [vote.sce.carleton.ca](https://vote.sce.carleton.ca)

| Group | Project Title   | Group | Project Title   |
|-------|---|-------|---|
| 1     | Games for Teaching Cybersecurity: Malware Concepts for Ages 10-14         | 39    | AI for Smart Grids with Enhanced Privacy and User Experience  |
| 3     | Biomedical Application of Ultrasound Using Machine Learning               | 40    | Analysis Tools for Secure System Design: Attacker Behaviour Analysis                                |
| 5     | Transfer Learning for PPI Prediction in Bacteria                          | 41    | Blockchain for IoT Identity Management and Authentication   |
| 8     | <em>Threat Pilot</em>: A Comprehensive Threat Modeling Solution           | 47    | YATM - Yet another Travel Map   |
| 9     | Discrete Event Controller for a Helicopter                                | 48    | Whiteboard Application  |
| 10    | Games for Teaching Cybersecurity: Network Defence for Technical Employees | 55    | A Machine Learning Based Video Player for Streaming Applications                                    |
| 12    | Biomedical Application of Ultrasound Using Machine Learning-2             | 56    | Facial Recognition in Clouds  |
| 13    | An Intelligent Web Crawler  | 58    | IoT Management with Container Orchestration   |
| 22    | GitCollab - Building an Open Source Community                             | 60    | Demand Side Management for the Electric Grid  |
| 24    | Employee Management System  | 61    | CodeSmell: A Tool for Detection and Visualization of Code Smells for Object-Oriented Languages      |
| 25    | A Web Application for Online Elementary School                            | 63    | Multi-Variable Sports Scheduler   |
| 26    | Integrated Station for SCA-Security Validation                            | 64    | Logisim Replacement   |
| 27    | Analysis Tools for Secure System Design: Vulnerability Identification     | 65    | Integrated Station for SCA-Security Validation  |
| 28    | MusicBox  | 70    | When Tracing Software Behaviour, Which Elements of your Tracing Strategy Impact Behaviour the Most? |
| 29    | A Web Application for Employment Opportunities                            | 71    | An Intelligent Controller for LEO Satellite Networks  |

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