

## Course: ITC 5402 –Capstone Project

### Introduction

The Capstone Project is an industry project which a team of about four graduating students from the two grad-certification programs (Information Technology Solutions (2 years) or Enterprise Software Development (1 year)) would be completed in the final semester of their program. The project should be about 14 weeks of duration with a workload of one full-time employee (about 600 hours of human effort). The start date of project is January 18, 2021, and must end before April 30, 2021.

#### **Capstone Project Details:**

A) Project Scope: The project could be any (or combination) of the following:

- Mobile application development
- Web application development
- Database design and development
- Data analytics and big data
- Any other combination of software/database development project

B) Project features:

- The Capstone Project should have a “*learning component*” which students should practice/learn/incorporate new/advanced IT technologies in their project
- For the software development projects, students should design a multi-tier application, using different design patterns, software frameworks and standard libraries/APIs/services, and considering proper security/performance/scalability features.
- For the database projects, students should involve into planning/implementing any of the following tasks including the database design/development, database monitoring and administration, data analytics and big data, business intelligence and report services using Oracle and SQL Server tools as well as Hadoop, NoSQL and R language.

C) Commitment from the project sponsor:

- Meeting once a week with the team to review the progress of the project
- Advise on portion of the project completed
- Review the milestones/requirements for the upcoming week
- Participate in the “Capstone Project Showcase” in the 2<sup>nd</sup> week of the April (Week 10 or 11)
- Provide a feedback on the process and project work at the end of the project to the faculty member.

For more information, please contact the Program Coordinator of ITS/ESDV program, Shahdad Shariatmadari: (416) 675-622 ext:5612 or email: [shahdad.shariatmadari@humber.ca](mailto:shahdad.shariatmadari@humber.ca).