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#### ITS/ESDV Ontario Graduate Certificate

Capstone Project

Sponsoring Company Documentation

**Contact at Humber College:**

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**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 12 weeks of duration with a workload of one full-time employee (about 220 hours of human effort for a team of 3 and 290 hours for a team of 4). **The start date of project is 5th May 2025 and must end by 17th August, 2025**.

**Capstone Project Details:**

1. **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

1. **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

1. **Commitment from the Project Sponsor** / **Technical Supervisor (technology expert):**

* Meeting once a week with the team to review the progress of the project
* Provide required mentoring/training for the team in a simulated real work environment
* Advise on portion of the project completed
* Review the milestones/requirements for the upcoming week
* Participate in the **“Capstone Project Kick-Off”** in the last week of August
* Provide feedback on the process and project work at the end of the project to the faculty member
* Participate in the final assessment of student work in delivering the project

**Company Information Sheet**

***(Note: Student information must be added upon finalization of the Capstone Project and returned to the Industry Engagement Advisor and designated Humber Capstone Faculty)***

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| --- | --- |
| **Student Name(s):** | ***•*** Dhwani Gangele  • Marmik Patel  • Abhi Bhagat  • Janvi Patel |
| **Company Name:** | GOKADDAL INC. |
| **Type of Business / Description:** | Technology Startup focused on 4A domains: Artificial Intelligence, Automation, Augmentative and Analytics. |
| **Address:** | 121 Kings Street West, Toronto ON |
| **Supervisor's Full Name, Position & Title:**  *(Supervisor is the Technology Expert responsible for supervising the students/project)* | TBC |
| **Sponsor’s Name:**  *(If different from the Supervisor)* | Ravinder Pal Singh  CEO |
| **Department:** | CEO |
| **Contact Number:** | +1 672 971 6054 |
| **Email:** | rps@gokaddal.com |
| **Supervisor's Signature:** |  |
| **Date:** | 08-Mar-2025 |

**Capstone Project Description**

(Final project details to be filled out by the sponsor **before the start** of the capstone project. Note: Student returns this form to the Designated Humber Staff)

Briefly describe the project that the student(s) will be required to participate in:

**DIGITAL TRANSFORMATION is impacting every industry vertical and sector. Be it healthcare, manufacturing, transport, cities, buildings or retail, Digital solutions like Artificial Intelligence, Blockchain, Analytics, etc are transforming processes. Fintech is one of the first and. Most impacted & disrupted industry vertical. Digital payments, netbanking, mobile banking, Investment platforms and transforming this segment.**

**However there are siloed, boundary fenced solutions which require users to move from one application to another for their financial and investment needs. Be it market Investments, Insurance, Mortgages or plain vanilla banking requirements for users across boundaries, there is a strong need to have a platform which consolidates all this. This project entails design, development and testing of a Fintech platform.**

List some specific tasks that the student(s) will be required to perform:

1. **Design Phase: Research market, plan a platform model, Design and Architect the application framework and data flow, Branding and positioning**
2. **Develop Phase: Develop the application (backend and UI/UX) for both web and app use.**
3. **Implement Phase: Implement app/web application on cloud, test and put in production**

List technical knowledge required for this project:

1. **Overall software development knowledge – Full stack**
2. **Backend tech: Python, Java, MySql**
3. **Frontend tech: Java, PHP, HTML**
4. **Data bases**
5. **Data Analytics exposure , AI/ML touch**

Proposed project Start Date: **5th May , 2025**

Proposed project End Date: **17thAugust, 2024**