Industry Internship Projects
ELG / GNG 5902

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http://www.site.uottawa.ca/~lpeyton
• Weekly Office Hours / Discussion Group
  • Wednesday 10h – 11h20, meet.google.com/bdk-wdeh-pta
  • TA: Ajay Modagi – amoda040@uottawa.ca

• Withdraw from course if the following are not satisfied:
  • Signed Project Proposal by ADD/DROP Deadline!! (Sept. 22)
    • Industry partner (you find)
    • Supervising Professor (you find)
    • Project Coordinator (Prof. Liam Peyton)
      • Send to Ajay Modagi PDC Executive – Projects, amoda040@uottawa.ca
    • Service Request – for final approval by your program

• Absolutely confident the project completed this semester (December 31)
  • otherwise must register next semester (winter) AND pay for 6 units tuition a 2nd time!!
ELG / GNG 5902 Course Logistics

• Forms and Templates for ELG / GNG 5902
  • [https://www.site.uottawa.ca/~lpeyton/gradproject/](https://www.site.uottawa.ca/~lpeyton/gradproject/)

• Presentations
  • IndustryInternshipProject (this presentation)
  • Career (related – sets context)

• Project Proposal Templates (ELG 5902, GNG 5902)

• Example Project Report

• Industry Internship Evaluation Form
What is a project?

- A project can be an organized attempt to engineer a solution to a problem
- A project can be a creative approach to improving user experience
  - Design thinking: https://www.interaction-design.org/literature/topics/design-thinking
- A project can be a systematic approach to researching the literature, collecting data, comparing cases to identify & evaluate possible solutions
  - Systematic literature review: https://biblio.uottawa.ca/en/sterling-evan
What is a successful project?

• Value proposition
  • What benefits will your project provide to who and how will you achieve it ... and how will you demonstrate / measure that you have achieved it
  • Define, Evaluate, Measure, Build
    https://www.forbes.com/sites/michaelskok/2013/06/14/4-steps-to-building-a-compelling-value-proposition/#57b6c1214695

• Minimum Viable Product
  • Minimum set of features, or the essential functionality that a product needs to provide to be useful to customers; to get feedback for the next iteration.
  • The essential feature(s) that guarantee success if present, failure if absent
    https://medium.com/@sprocompany/what-is-a-minimum-viable-product-and-how-to-build-an-mvp-for-your-startup-9a02c0d4a56a

• Evaluation Criteria
  • What are the criteria for success? How will they be measured?
How Do I plan the project?

• **Duration and Effort**
  • Target Minimum 240 hours ... max 360
  • Usually 1 semester - 12 weeks @20 hours a week (university budgets that students spend 10 hours per week for a 3 unit course) ... but could be 24 weeks @ 10 hours a week, could be 6 weeks @ 40 hours a week. **Be clear.**

• **Specify Expected Results**
  • Define what you need to deliver at the end of the project to satisfy your client.
  • Define how it will be evaluated and progress tracked. Deliverables (intermediate and final results) and Grading Scheme.

• **Define a Week by Week Schedule**
  • Work backwards from the end result and list week by week what tasks will be performed or what milestones (intermediate results) will be achieved
  • Track your progress week by week throughout the project (an update schedule to keep it real).
How am I evaluated

• Your Supervising Professor is responsible for informing me or the graduate office of your final grade
  • Depending on the project each Deliverable that was identified in the Project Proposal could be evaluated by either the industry partner or the supervisor.
  • EXCEPT there must be a project report worth 30-60% of the final grade that is graded by the Professor
  • And there must be an internship evaluation form that is worth 10-30% that is filled in by the Industry partner

• Projects can be done by a team of students
  • Each student has a separate project proposal that clearly identifies their role on the project, and what part of the project they do entirely on their own.
  • Each student does their own project report and has their own internship evaluation
  • But their can be common parts of the project infrastructure (and intermediate deliverables) that are a group effort and a group mark.

• NOTE: Individual projects also specify their “team” (key contacts they interact with), as well as identify the tools and resources and existing infrastructure that is part of the project context.