Title (Units): **COMP 3511-2 Honours Project (3,0,9)**

Course Aims: To enable students to demonstrate an integrated understanding of software systems principles and techniques through solving real-life problems. To enable students to gain practical experience of developing and applying enabling technologies. To enable students to acquire independent problem solving skills as well as oral and written communication skills.

Prerequisite: Year III in Computer Science

Learning Outcomes (LOs):
Upon successful completion of this course, students should be able to:

No.	Learning Outcomes (LOs)
	Knowledge
1	Integrate software systems principles and techniques
2	Gain practical experience of developing and applying enabling technologies
	Transferable Skill
3	Solve practical problems independently in a systematic way
4	Demonstrate organizational and time-management skills
5	Write technical reports and make effective presentations
6	Build up oral and written communication skills
	Attitude
7	Develop professional attitude towards the development of a software system

Calendar Description: Students will engage in a highly independent problem solving activity under the supervision of a faculty member and gain the practical experience of applying software systems principles and techniques acquired from the Programme to the solution of real-life problems. The project demands careful planning and creative application of underlying theories and enabling technologies. A thesis and an oral presentation are required upon successful completion of the project. This course is open to Computer Science majors only.

Assessment:

No.	Assessment Methods	Weighting	Remarks
1	Continuous Assessment	30%	This category covers the assessment of the attitude of the student, the amount of effort the student has put into the project, self-discipline, creativity, and the general skills in the project development process. The progress reports are also assessed in this category.
2	Thesis	50%	The grade for this category reflects the quality and the amount of completed work that includes the project report and, if any, the system. Efficiency and robustness of the solutions will be graded in this category. This category also assesses the presentation of the report. The student is expected to show a clear understanding of the problem, the techniques to solve the problem, and the results of the project.
3	Oral Presentation	20%	This category includes an oral presentation of the project and a demonstration if applicable. Communication and presentation skills are emphasized.

Readings: Literature research appropriate to the topics under study

Learning Outcomes and Weighting:

Content	LO No.
Project	1 - 7