SUBJECT DESCRIPTION FORM

Subject Title: Project

Subject Code: COMP5933

Credit Value : 6

Pre-requisite: (Subject title and code no, if any)

Having completed not less than 15 credits of study with a GPA of 2.5 or above in the registered programme

** Full-time students who have completed 9 credits of study with GPA of 2.5 or above may consider to do Project from the second semester of their study.

Recommended background knowledge: Nil

Mutual Exclusions:

Information System Dissertation (COMP592), IT Dissertation (COMP590)
ST Dissertation (COMP591), E-Commerce Dissertation (COMP5091),
Dissertation (COMP5940), E-Commerce Dissertation (Executive) (COMP5092),
E-Commerce Project (COMP5093), Information System Project (COMP5094)

Objectives:

This subject is intended to provide an opportunity for students to carry out a group project to practise the principles and techniques of IS/IT/ST/EC system research and development. Students achieve the objective through the development of concepts, models, frameworks, and / or a software system that meets stated requirements and quality standards.

Learning Outcomes:

After completing the subject, students should be able to:

1. identify, analyse and solve real life, IS/IT/ST/EC related problems and issues;
2. apply appropriate principles and techniques of requirements, specification, software design and implementation of IS/IT/ST/EC systems;
3. perform collaborate and work effectively in a team environment; and
4. present well-formed technical documentation and project report.

Assessment:

The group project will be assessed by the assessment panel which consists of the project supervisor and 1-2 other staff members. The assessments include:

- Project proposal including project definition and specification
- Technical merit of the proposed solutions and prototype implementation / simulation

The Department reserves the right to update the syllabus contents. Please note that the learning approach for the same subject could vary slightly due to different delivery modes.

- Management of the project and individual development of the students
- Quality of documentation including the progress report and final project report
- Demonstration / oral examination and presentation.

The weighting for each assessment item will be determined by the students and the supervisors when the project starts. The ratio of weighting across these categories may vary from project to project due to the considerable variety of subject areas and objectives anticipated in different projects.

In general, an initial project proposal is due within 4 weeks after semester starts. A concrete proposal with details is due by the end of first semester. Final project report is due by the end of the 2-semester normal period, and a presentation comprising an oral examination will be scheduled. In addition to the group report, each member within a group should submit an individual report describing his/her own work in the project. Each group member should also participate in the assessment process.

Learning approach:

Students are to work in a group of up to 4 members. Each group is supervised by a faculty member.

The role of the supervisor is to help students identify a project topic, closely monitor the project, give advice to the students for establishing criteria for assessment and developing possible solutions to potential problems. Students are expected to work independently, show initiative, and take responsibility for the success of their work. They are required to hold regular meetings with the supervisor, at least once per fortnight, and produce regular progress reports as an integral part of the project documentation.

In summary, students may need to carry out the following tasks related to research and development on a selected IS/IT/ST/EC topic

1. Comprehensive literature review / survey / evaluation
2. Proposing improvement / new solutions
3. Developing prototypical implementation
4. Evaluate effectiveness / performance

Duration of course: Two semesters

Keyword Syllabus:

Students will group into teams of up to 4 members, and work on an IS/IT/ST/EC project under the supervision of a faculty member. Each group of students will explore an area of IS/IT/ST/EC, either by their own choice or assigned by the supervisor.

Through the project, students will integrate knowledge and techniques they have acquired in preceding and concurrent subjects of study and develop their skill and new knowledge of the selected areas. They will identify some problems to solve, develop solutions, and provide a proof-of-concept for their solutions by developing software prototypes that implement the solutions. Testing cases need to be designed to evaluate the developed systems in the light of system requirements and performance. Students will also exercise project management methods to the planning, developing, and monitoring of progress. Upon completion of the subject, the students will need to communicate their work to others effectively and efficiently, through well-prepared project reports and / or oral presentations and demonstrations.