2024 / 25

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Ollscoil Teicneolaíochta an Oirdheiscirt

South East Technological University

Module Descriptor

Project 2 IT (Research) (Computing and Mathematics)

Project 2 IT (Research) (A14883)

Short Title: Project 2 IT (Research)
Department: Computing and Mathematics
Credits: 5 **Level:** Advanced

Description of Module / Aims

This module gives the student experience in completing their research-based work. This module continues the work completed in semester 1, with a focus on data gathering and analysis, all of which will culminate in the student deriving answers to their research questions. These answers should make a solid contribution to the body of knowledge in their chosen research area.

Programmes

		stage/semester/status
COMP-0958	BSc (Hons) in Information Technology Management (WD_KITMA_B)	1 / 8 / E
COMP-0958	BSc (Hons) in Information Technology (WD_KINTE_B)	4 / 2 / E

Pre-Requisite(s)

- Project 1 IT (Research)

Indicative Content

- Incorporate feedback from project supervisors/examiners, relating to the work done in Semester 1, that work being a literature review and consequent formulation of a research question, and initial investigative work on appropriate research methodologies, including data gathering strategies
- Complete the consideration of the research methodologies to be used, and design of the data collection instruments
- Further develop the student's ability to write referenced academic and technical reports, principally a required final dissertation, not less than 4000 words and not more than 6000 words, accompanied by a poster and a video
- To provide the student with the opportunity (and requirement) to meet with a supervisor week by week and to complete the work according to the initial or a revised plan
- To enable the student to apply investigative, problem-solving and technical knowledge to address issues as they arise

Learning Outcomes

On successful completion of this module, a student will be able to:

1. Intergrate feedback from Project 1.
2. Create the research question(s), using the appropriate methodologies.
3. Reflect on limitations and potential of the chosen methodology and resulting discoveries.
4. Validate the final dissertation, with accompanying video and poster and competently discuss the research area, showing competence in research methods.

Learning and Teaching Methods

- Weekly meetings with project supervisors.
- Self-directed learning using library and Internet sources.
- Validation of chosen methdology, techniques and findings.

Learning Modes

Learning Type	F/T Hours	P/T Hours
Tutorial	6	
Independent Learning	129	

Assessment Methods

	Weighting	Outcomes Assessed
Dissertation	100%	1,2,3,4

Assessment Criteria

<40%: Failure to incorporate feedback. Failure to competently demonstrate understanding of research.

40%–49%: Produces basic set of findings. Produces complete set of documentation. Able to demonstrate own work in competent manner.

50%–59%: As above and produces a solid set of robust findings. Documentation and reports are clear and of good quality. Comprehensive knowledge of methdologies and techniques.

60%–69%: As above and findings make a contribution to research area. Demonstrates ability to solve unfamiliar research problems. Shows good judgement in technology selection. Documentation shows evidence of ability to see limitations or potential in approaches used.

70%–100%: As above and produces an excellent piece of research with equally excellent documentation. Demonstrates ability to abstract ideas and reflect on the research process.

Requested Resources

- Room Type: Computer Lab