2024 / 25

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South East Technological University

Module Descriptor

Project Semester 2 (Computing and Mathematics)

Project Semester 2 (A11104)

Short Title: Project Semester 2
Department: Computing and Mathematics
Credits: 5 **Level:** Introductory

Description of Module / Aims

This module will introduce the student to fundamental distributed version control systems and basic communication skills, including presentation skills. The student will practice these skills through building an artifact based on multiple concurrent strands/modules. This module will act as an opportunity for the student to contextualise and link cross-strand concepts.

Programmes

		stage/semester/status
PROJ-0157	BSc (Hons) in Applied Computing (WD_KACCM_B)	1 / 2 / E
PROJ-0157	BSc (Hons) in Applied Computing (WD_KCOMP_B)	1 / 2 / E
PROJ-0157	BSc (Hons) in Computer Science (WD_KCMSC_B)	1 / 2 / E
PROJ-0157	BSc (Hons) in the Internet of Things (International) (WD_KINTT_BI)	1 / 2 / M

Indicative Content

- Development of a digital portfolio using a distributed version control system
- Communication of ideas in correct, clear and modern format

Learning Outcomes

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

1. Apply knowledge, skills or practices from (at least two) strands in the programme into a model that demonstrates an understanding of the core concepts of those strands.
2. Demonstrate the above model and present the resulting working artifact.
3. Use a modern, professional distributed version control system to display (and continually update) his/her digital portfolio including all artifacts produced as part of this semester.
4. Report and present outcomes of their project in a clear and accessible way.

Learning and Teaching Methods

- Combination of lectures and computer-based practical labs.
- Cooperative learning/peer tutoring.
- Self-directed learning.

Learning Modes

Learning Type	F/T Hours	P/T Hours
Lecture	12	
Practical	36	
Independent Learning	87	

Assessment Methods

	Weighting	Outcomes Assessed
Continuous Assessment	100%	
Portfolio	50%	1,3
Presentation	50%	1,2,4

Assessment Criteria

<40%: Inability to develop a model and present a working artifact. No digital portfolio presented.

40%–49%: Ability to develop a model and present a working artifact. Digital portfolio presented (including version control).

50%–59%: All the above and in addition has applied concepts from more than two modules/strands. Well-structured digital portfolio.

60%–69%: All the above and in addition, be able to integrate and analyse concepts from more than two and at least one past module, showing an ability to transfer skills and knowledge across modules/strands.

70%–100%: All previous to an excellent level. Shows the ability to evaluate different models. Shows synthesis through the implementation of cross-strand innovative artifacts. Innovative use of distributed version control system.

Requested Resources

- Computer Lab: BYOD Lab