Module Definition Form (MDF)

Module code: MOD009764	**Version:** 1 **Date Amended:** 17/Apr/2024

1. Module Title
Professional Experience Computing Project 1

2a. Module Leader
Partha De

2b. School
School of Computing and Information Sciences

2c. Faculty
Faculty of Science and Engineering

3a. Level
7

3b. Module Type
Professional Experience

4a. Credits
60

4b. Study Hours
600

5. Restrictions

Type	Module Code	Module Name	Condition
Pre-requisite:	MOD009763	Preparation for Professional Experience	Compulsory
Co-requisites:	None		
Exclusions:	None		
Courses to which this module is restricted:			

LEARNING, TEACHING AND ASSESSMENT INFORMATION

6a. Module Description

Getting extended, real-world, professional experience in a planned supportive environment provides amazing learning and career development opportunities. This unique module aims to use your master's level learning, and to blend academic and industry partner expertise to offer you relevant exposure to real-world project work within a campus-based experience. This Professional Experience Computing Project1 module requires you to conceptualise, execute, analyse and reflect upon your own learning experiences and apply them to an industry project.

Working in small project groups, over the trimester you will collaborate with your peers, working on multi layered weekly complex tasks which link to the solving of a larger industry identified problem. You will get the opportunity to gain professional experience in different settings and tackle issues using problem evaluation, solution and analysis gaining a deeper understanding of the industry/business sector. Being part of a project team will need you to understand human relationships, contribute to tasks, listen, negotiate and make decisions in a timely manner, presenting back to the wider group at regular intervals. Learning and using key soft skills in a professional environment will help to enhance attractiveness to employers after completing this course. The module expects you to have a high level of independence, be proactive with peers, engaging positively with your team and completing independent work to agreed timelines, as you would do in the professional work environment.

There are weekly timetabled sessions where specific tasks are set, but there is an expectation that you are self-driven to complete the directed learning tasks. Outside of timetabled sessions, you will be guided to work in your project teams, drawing upon the resources in the university to work towards providing a solution to the problem presented. Also, regular tutorials are scheduled along with options for input from our industry partner to aid the independent project teamwork.

To enhance your professional skills for future employment, you will be supported to complete a career plan and part of this will be to identify and engage with several Continuing Professional Development (CPD) courses during the module. These CPD courses, which would be immersed within the module, can be improving core work skills or developing new ones. Evidence of completion would be submitted as part of the assessment in the module.

You will need to be in good academic standing from year 1 to pursue this module. The module will build on the Preparation for Professional Experience module which must be passed in year 1 of your course. This Professional Experience module is a pass/fail module in Year 2. The assessments are designed to be industry facing and support the skills needed to develop your career profile. In this module assessments are completed as a group and individually during the trimester. Upon completion of the module, you will receive a formal letter of achievement which is endorsed by one of our industry partners. This letter can be used as further evidence of your professional experience to enhance your CV.

6b. Outline Content

- Developing effective team and project work
- Project management, risk, and uncertainty mitigation
- Applying appropriate techniques to solve and module complex problems
- Select and critically evaluating technical literature, discipline-related standards, and other information
- Critically discussing limitations of the techniques used and making decisions
- Personal awareness of team member roles (leader, listener, learner)
- Applying evidence to a real-world problem and identifying the trends in a relevant technical topic
- Assessing personal skill set and creating a continuous professional development (CPD) plan
- Developing a career plan and using ARU career and employability services
- Communicate to different audiences effectively including oral presentation (Q&A) and a written technical report

6c. Key Texts/Literature

The reading list to support this module is available at: https://readinglists.aru.ac.uk/

6d. Specialist Learning Resources

Flat classroom space, Workshop and laboratory spaces, computer labs

7. Learning Outcomes (threshold standards)		
No.	**Type**	**On successful completion of this module the student will be expected to be able to:**
1	Knowledge and Understanding	Demonstrate a comprehensive understanding of team project work in a professional environment.
2	Knowledge and Understanding	Analyse personal experience and the external professional work sector and your current place in it, reflecting on the opportunities for CPD, employment and career progression.
3	Intellectual, practical, affective and transferrable skills	Critically reflect on the professional experience gained and consider the impact on your practice.
4	Intellectual, practical, affective and transferrable skills	Demonstrate proactive and effective interpersonal interactions in the solving of complex problems.
5	Intellectual, practical, affective and transferrable skills	Communicate high level knowledge to different audiences in an accessible and impactful way.

8a. Module Occurrence to which this MDF Refers				
Year	**Occurrence**	**Period**	**Location**	**Mode of Delivery**
2026/7	ZZF	Template For Face To Face Learning Delivery		Face to Face

8b. Learning Activities for the above Module Occurrence			
Learning Activities	**Hours**	**Learning Outcomes**	**Details of Duration, frequency and other comments**
Lectures	22	1-5	Up to 2-hrs of lectures per week for 11 weeks
Other teacher managed learning	36	1, 3, 4, 5	Up to 3-hrs of workshops per week; 6 x 0.5-hr one-2-one/team tutorials
Student managed learning	542	2-5	Engagement with the professional experience live project activity for a minimum number of hours (165 hrs) over the course of the module, remaining hours self-managed study and engaging with assessment tasks
TOTAL:	600		

9. Assessment for the above Module Occurrence

The assessment for some modules includes a presentation (see below for details on how this particular module is assessed). We recognise that presenting, especially to a large group, can cause significant anxiety or distress for some students. If this may affect you, please contact your Module Leader or the Disability and Neurodiversity Service as early as possible. We will work with you to consider appropriate reasonable adjustments. Depending on your individual needs, these might include, for example, presenting to a smaller group or presenting only to a member of academic staff.

Assessment No.	Assessment Method	Learning Outcomes	Weighting (%)	Fine Grade or Pass/Fail	Qualifying Mark (%)
010	Practical	1 2 4 5	0 (%)	Pass/Fail	100 (%)
Group presentation task					
Assessment No.	**Assessment Method**	**Learning Outcomes**	**Weighting (%)**	**Fine Grade or Pass/Fail**	**Qualifying Mark (%)**
011	Coursework	1-5	0 (%)	Pass/Fail	100 (%)
Portfolio of Evidence to include a discipline report (40%), Project work logbook (30%), and career development plan (30%). Maximum 3500 words (or equiv)					

In order to pass this module, students are required to achieve an overall mark of 40% (for modules at levels 3, 4, 5 and 6) or 50% (for modules at level 7*).

In addition, students are required to:
(a) achieve the qualifying mark for each element of fine graded assessment as specified above
(b) pass any pass/fail elements

[* the pass mark of 50% applies for all module occurrences from the academic year 2024/25 – see Section 3a of this MDF to check the level of the module and Section 8a of this MDF to check the academic year]