

Job Detail

School of Science, Engineering and Environment

Directorate of Computer Science and Engineering

Lecturer in Computer Science (Artificial Intelligence)

Grade 8

(Ref: MPF4006)

Role Title: Lecturer in Computer Science (Artificial Intelligence)

Reports To: Head of Computer Science

Role Detail

Role Purpose

The purpose of this role is to:

- Engage in scholarly activity and undertake high quality, impactful research and knowledge transfer, contributing to current and emerging research themes in the School and University.
- Facilitate high-quality and engaging learning across a range of modules, programmes, and short courses, on campus and online, deploying strategies that maximise student engagement, attainment, and progression.
- Contribute to the planning, design and development of new programmes and learning materials, and the review, refresh and enhancement of existing provision.

Responsibilities

Research and Innovation

- Undertake individual and collaborative research and innovation projects aligned to the research themes and priorities of the School and University.
- Extend, transform and apply knowledge acquired from scholarship to learning, research, innovation and external engagement activities.
- Identify external sources of funding and develop or contribute to funding bids and grant applications for research, innovation and knowledge transfer.
- Promote graduate studies and contribute to the supervision of postgraduate research students.
- Write or contribute to publications in peer reviewed academic journals and/or disseminate research findings using other appropriate media.
- Make presentations at conferences or exhibit work at other appropriate events, participating in dissemination and engagement activities to contribute to the knowledge base in your area of expertise.
- Maximise the policy, media, industrial and/or community impact of your research and innovation work.

Learning and Teaching

- Deliver teaching and facilitate learning across a range of modules in Computer Science and/or within the specialist subject domain.
- Design and develop course materials and deliver such materials using a combination of face-to-face and online teaching.
- Contribute to the planning, design, development and enhancement of modules and programmes.
- Supervise undergraduate and postgraduate student projects, field trips and placements, and act as a personal tutor.
- Set and mark assessments and examinations ensuring students are provided with timely feedback.

- Engage actively in student feedback, reflection and quality enhancement processes, constantly striving for the best possible student outcomes.

Leadership, Management and Administration

- Take a lead in your own area of expertise and support less experienced colleagues in developing their teaching and research.
- Lead and co-ordinate the work of others to ensure teaching, enterprise and research projects are delivered to high standards and to ensure student needs and expectations are met and exceeded.
- Act as module leader and programme leader where required, and deploy strategies to maximise student engagement in learning, and to drive strong student performance and progression outcomes for a diverse range of students.
- Collaborate with external organisations such as industry, public sector, charity and local community groups and organise external facing activities such as field trips and student placements.
- Plan, co-ordinate and implement research, innovation and industry/community engagement programmes and projects, monitoring and managing budgets to ensure effective use of resources.
- Discharge administrative duties in an efficient and timely manner.
- Engage with and participate in the University's performance review process as reviewee and reviewer as appropriate.

Other Tasks

- Perform any other duties appropriate to the grade as may be required.
- Comply with the personal health and safety responsibilities specified in the University Health and Safety policy.
- Engage with the University's commitment to put our students first and deliver services which are customer orientated, represent value for money and contribute to the financial and environmental sustainability of the University when undertaking all duties and aspects of the role.
- Promote equality and diversity for students and staff and sustain an inclusive and supportive study and work environment in accordance with University policy.
- This role detail is a guide to the work you will initially be required to undertake. It may be changed from time to time to meet changing circumstances. It does not form part of your Contract of Employment.

Indicative level of membership for Higher Education Academy: Fellow

Person Specification

Qualifications

	The successful candidate should have:	Essential/ Desirable	Tested by* A, I, P, T
1	Hold a Postgraduate Certificate of Academic Practice or equivalent higher education teaching qualification or commit to enrol on the University programme during the probationary year and complete within three years.	Essential	A
2	Hold a PhD (or appropriate higher degree) in related subject area or have equivalent and quantifiable industrial experience at this level.	Essential	A
3	Membership of subject related professional bodies.	Desirable	A
4	Fellowship of the Higher Education Academy (HEA), or international equivalent.	Desirable	A

Background & Experience

	The successful candidate should have:	Essential/ Desirable	Tested by* A, I, P, T
5	Experience of planning, preparing, and delivering high quality, undergraduate and/or postgraduate teaching and assessment, on campus and online.	Desirable	A, I
6	Understanding of the metrics for evaluation of teaching quality and student experience in contemporary Higher Education.	Desirable	A, I
7	Experience of undertaking research and knowledge transfer in the subject domain.	Desirable	A, I, P
8	Publications in high quality journals and/or conferences.	Desirable	A, I
9	Evidence of contribution to research bidding activities and grant applications.	Desirable	A, I
10	Industry engagement/experience in the subject domain.	Desirable	A, I

Knowledge

	The successful candidate should demonstrate knowledge of:	Essential/ Desirable	Tested by* A, I, P, T
11	Contemporary and emerging issues at the leading-edge of the subject domain.	Essential	A, I, P
12	Tools, technologies, approaches, and best practice in the subject domain.	Essential	A, I, P

Skills & Competencies

	The successful candidate should demonstrate:	Essential/ Desirable	Tested by* A, I, P, T
13	Ability to plan, prepare and deliver high quality teaching in pedagogy appropriate for the subject domain within modern Higher Education.	Essential	A, I, P
14	Ability to communicate complex ideas clearly to a diverse range of students using a variety of teaching methods.	Essential	A, I, P
15	Ability to undertake advanced scholarship and high quality academic research in the subject domain.	Essential	A, I
16	Commitment to ongoing personal and professional development.	Essential	A, I
17	Commitment to the wider team and ability to work collaboratively with a diverse range of people to generate innovative and practical solutions to address complex	Essential	A, I

	challenges.		
18	Quantifiable evidence of teaching excellence driving strong student outcomes.	Desirable	A, I
19	Experience of supervision and assessment of student projects in the subject domain.	Desirable	A, I
20	Experience of supervision, to successful completion, and examination of postgraduate research students undertaking individual research projects in the subject.	Desirable	A, I
21	Evidence of contribution to research bidding activities and grant applications.	Desirable	A, I
22	Active participation, and/or Leadership, within funded research programmes/activities.	Desirable	A, I
23	Holding of current professional certifications relevant to the specialist subject domain.	Desirable	A, I

A = Application form, I = Interview, P = Presentation, T = Test