Loughborough University London
Institute for Digital Technologies

Lecturer in Artificial Intelligence

Job Ref: REQ241024

As part of the University's ongoing commitment to redeployment, please note that this vacancy may be withdrawn at any stage of the recruitment process if a suitable redeployee is identified.

Job Description

Job Grade
Specialist and Supporting Academic Teaching Grade 7

Job Purpose
To contribute to and enhance the research, teaching and enterprise activities of the Loughborough University, London in the areas of Artificial Intelligence, Machine Learning and Data Analytics.

Job Duties

Research

- To pursue a personal research programme consistent with the research priorities of the Institute for Digital Technologies and Loughborough University London in general.
- To secure external research funding.
- To supervise and manage research projects.
- To publish the outcomes of research in outlets of international standing.
- To attend and contribute to major international conferences.
- To supervise postgraduate students at Masters and Doctoral levels.
- To collaborate in research initiatives with colleagues both within the University and externally.

Teaching
- To work with colleagues in the school to deliver an exceptional learning environment for students.
- To teach and inspire postgraduate students and to conduct associated assessments.
- To provide academic and pastoral support to postgraduate students.
- To promote the use of a range of methods and techniques in teaching, learning and assessment.
- To engage in the evaluation and development of modules for which you have responsibility, in terms of content, delivery and assessment.
- To be responsible for the design and content of specific areas of teaching and learning within the School's postgraduate programmes.
- To cooperate with colleagues in the continuous review and development of the School's taught programmes and curriculum.

Enterprise
- To engage with business, public and voluntary organisations through knowledge exchange activities such as student projects and placements, research collaboration, consultancy and specialist training.
- To create social, cultural and economic impact from academic, especially research, activity.

- To secure external funding in support of these activities.
- To seek opportunities for the commercialisation of research and the formation of social enterprises.

Related Activities and Functions
- To work effectively with relevant administrative, technical and academic staff in the Institute and across the University.
- To carry out specific administrative roles and functions as may be reasonably required.
- To take part in and, on occasion, act as chair of one or more Institute committees.
- To engage in training programmes in the University (e.g. through Staff Development) which are consistent with your needs and aspirations and those of the school.
- To undertake such other duties as may be reasonably requested and that are commensurate with the nature and grade of the post.
- To engage fully with the annual Performance and Development Review (PDR) process

Points to Note

The purpose of this job description is to indicate the general level of duties and responsibility of the post. The detailed duties may vary from time to time without changing the general character or level of responsibility entailed

Special Conditions

This post will be based at Loughborough University's London Campus on the Queen Elizabeth Olympic Park. The successful candidate should have a willingness to travel to Loughborough University's East Midland campus for meetings, research and training.

All staff have a statutory responsibility to take reasonable care of themselves, others and the environment and to prevent harm by their acts or omissions. All staff are therefore required to adhere to the University's Health, Safety and Environmental Policy & Procedures.

All staff should hold a duty and commitment to observing the University's Equality & Diversity policy and procedures at all times. Duties must be carried out in accordance with relevant Equality & Diversity legislation and University policies/procedures.

Successful completion of probation will be dependent on attendance at the University's mandatory courses which include Respecting Diversity and, where appropriate, Recruitment and Selection.

Organisational Responsibility

Reports to Director of the Institute for Digital Technologies.

Person Specification

Your application will be reviewed against the essential and desirable criteria listed below. Applicants are strongly advised to explicitly state and evidence how they meet each of the essential (and desirable) criteria in their application.

Stages of assessment are as follows:
1 – Application
2 – Test/Assessment Centre/Presentation
3 – Interview

Essential Criteria

Area	Criteria	Stage
Experience	Background in Artificial Intelligence and Machine Learning	1,2,3
	Currently and demonstrably active in research in machine learning and its application in the emerging research areas of the Institute.	1,2,3
	Experience of successfully supervising the projects of taught and research students.	1,3
	Experience of working in a high-quality academic research or business environment, including experience at post-doctoral (or equivalent) level.	1,2,3
	Experience of authoring original work, in the highest quality refereed academic journals.	1
	Familiarity with teaching diverse student groups	1,3
Skills and abilities	Ability to develop an original research programme on your own initiative and to persuade others of its importance.	1,3
	Demonstrate a significant capacity to contribute to the existing research themes within the Institute for Digital Technologies.	1,3
	Ability to identify potential social / cultural / economic impacts from professional activity	1,3
	The ability to lead modules and contribute to teaching, assessment and the design and development of materials in the field of Artificial Intelligence, Machine Learning and Data Analytics	1,3
	Ability to teach and supervise students in areas consistent with the Institute's teaching or research programme	1,3
	Ability to provide tutorial and counselling advice to students	1,3
	Ability to work independently and as part of a team	1,3
	Excellent communication skills	2
Training	Willingness to undertake appropriate further training and to adopt new procedures as and when required	1
Qualifications	PhD in Computer Science, Data Science, Electronic Engineering or relevant disciplines.	1
	An outstanding educational profile up to and including first degree and/or master's degree in Computer Science, Electronic Engineering, Data Science or a complementary field	1

Other	Commitment to observing the University's Equal Opportunities policy at all times.	1,3

Desirable Criteria

Area	Criteria	Stage
Experience	Experience of presenting research work at international conferences.	1
	Experience of teaching and assessment at undergraduate and/or postgraduate level.	1,3
	Experience of successfully supervising the projects of taught and research students	1,3
	Experience in developing and analysing machine learning techniques in key application areas such as cybersecurity, cyber-physical systems, human-computer interaction, trustworthy autonomous systems, quantum computing, data communications, and the Internet of Things.	1,3
Skills and abilities	Ability to take part in module and programme development.	3
	Knowledge of the challenges faced in UK HE.	1
Qualifications	Achieved or progressing towards appropriate professional status.	1

Conditions of Service

The position is **FULL-TIME and OPEN-ENDED**. Salary will be on SSAT **GRADE 7, £46,484 - £56,921** plus London Weighting **£3,606** per annum, at a starting salary to be confirmed on offer of appointment subject to annual pay award.

The appointment will be subject to the University's normal Terms and Conditions of Employment for Academic and Related staff, details of which can be found here.

The post will be London based and will attract a London allowance of £3,606 PA. There are also opportunities to apply for an interest free season ticket loan and subsidised Gym membership.

The University is committed to enabling staff to maintain a healthy work-home balance and has a number of family-friendly policies which are available at http://www.lboro.ac.uk/services/hr/a-z/family-leave-policy-and-procedure---page.html.

In addition, the University is supportive, wherever possible, of flexible working arrangements.
We also strive to create a culture that supports equality and celebrates diversity throughout the campus. The University holds a Bronze Athena SWAN award which recognises the importance of support for women at all stages of their academic career. For further information on Athena SWAN see
http://www.lboro.ac.uk/services/hr/athena-swan/

Informal Enquiries

Informal enquiries should be made to Professor Sangarapillai Lambotharan, by emailing
s.lambotharan@lboro.ac.uk