University of Nottingham
UK | CHINA | MALAYSIA

Role profile

Job Title	Assistant Professor in Computer Science
School/Department	School of Computer Science
Job Level	UNNC Scale B Level 5
Job Family	Research and Teaching
Contract Status	Full-time, this post is available from March 2027, with a fixed-term contract for up to 5 years.
Location	University of Nottingham Ningbo China
Hours of Work	Irregular working hours
Responsible to	Head of School of Computer Science (UNNC)

Purpose of role:

The purpose of this role will be to lead and deliver individual and collaborative research and teaching in the area of computer science, artificial intelligence, and software engineering and make a contribution to the strategic directions of research programmes in the School of Computer Science.

The role will be responsible for generating new intellectual understanding/knowledge through the application of knowledge and for developing ideas for application of research and teaching outcomes.

The post holder will develop new concepts and ideas and will be expected, where appropriate, to develop and win support for innovative research and/or teaching development proposals and funding bids.

The post holder will make a significant contribution to their academic unit via leadership and/or administrative management and/or co-ordination of specific initiatives.

	Main responsibilities (Primary accountabilities and responsibilities expected to fulfil the role)	**% time per year**
Research		**40%**
1	To establish a national reputation and regularly disseminate and explain research findings through leading peer-reviewed national publications (on a sustained basis), conferences and other appropriate media.	20%
2	To take the lead on, plan, develop and conduct individual and/or collaborative research objectives, projects and proposals either as an individual or as part of a broader programme.	10%
3	To generate income by developing and winning support for innovative research proposals and funding bids. Where appropriate undertake consultancy projects where there is a demonstrable benefit to the University and academic unit.	10%

Teaching		**40%**
4	To deliver teaching across a range of modules or within a subject area, providing curriculum leadership within own area of expertise	27%
5	Be responsible for the design of course modules and/or programmes of study in specialist area and for their quality. Where appropriate identify the need for developing the content or structure of existing modules and make proposals on how this should be achieved.	3%
6	To supervise and examine Post graduate, Masters and PhD students.	4%
7	To coach and support tutorial groups, developing their knowledge and their learning skills, and be responsible for the pastoral care of students within a specified area, dealing with sensitive issues.	4%
8	Be responsible for and comply with The University of Nottingham Teaching Quality assurance standards and procedures. Ensure teaching quality assessment and assessment of progress and other information is maintained and supplied to the University as required	2%
Other		**20%**
9	To build relationships and collaborate actively with internal and external contacts, nationally and if appropriate internationally to complete research projects and to advance the discipline.	3%
10	Be responsible for administrative duties in areas such as admissions, timetabling, examinations, student attendance, and represent the school on various committees and working groups in the wider University and outside of the University and managing or monitoring assets and budgets allocated as part of the role.	10%
11	To contribute to student recruitment and secure student placements and provide appropriate advice to others involved in this activity	2%
12	Be responsible for the safe conduct of work within work area and teaching responsibilities ensuring that the School's arrangements for compliance with the University Safety Policy are implemented.	2%
13	• Be responsible for and supervise practical work, including projects, field trips or placements, where it is part of the course, and advise students on techniques. • Participate in training and staff development events as trainer or trainee as appropriate; • Maintain appropriate professional development, expertise and awareness; • Undertake other tasks and responsibilities as may reasonably be required.	3%

Person specification

	Essential	Desirable
Qualifications, certification and training (relevant to role)	▪ PhD or equivalent in relevant subject area.	▪ Membership of a professional body where appropriate. ▪ Degrees in Computer Science ▪ Higher Education teaching qualification or equivalent. ▪
Skills	▪ Excellent oral and written communication skills, including the ability to communicate with clarity on complex and conceptual ideas to those with limited knowledge and understanding as well as to peers, using high level skills and a range of media. ▪ Ability to devise, advise on and manage learning and research programmes. ▪ Ability to manage resources and an understanding of management processes. ▪ High level analytical capability to facilitate conceptual thinking, innovation and creativity. ▪ Skills in counselling, pastoral care and motivating students. ▪ Emerging skills in managing and motivating staff. ▪ Ability to build relationships and collaborate with others, internally and externally. ▪ Research experience within subject specialism.	▪ Core computer science skills and knowledge in following areas: programming languages, data structures and algorithms, database systems, operating systems, and computer systems architecture ▪ Skills and knowledge in subject areas including computer communications and networks, software engineering, computer security, mobile and ubiquitous computing, human computer interaction, artificial intelligence, information modelling and visualization, machine learning and computer vision, data sciences, data mining and big data, optimization and operations research. ▪ The ability to attract funding for major research projects
Knowledge and experience	▪ Sufficient breadth or depth of specialist knowledge in the discipline to develop research programmes and methodologies. ▪ Experience of developing research methodologies and devising models, approaches, techniques, critiques and methods. ▪ At least 2-year research experience within subject specialism. ▪ Experience and achievement in chosen field, reflected in growing and consistent national reputation. ▪ Evidence of publication record.	▪ International reputation in specialist field which continues to grow. ▪ Experience, achievement and growing reputation in the discipline, reflected in relevant national committee memberships, and/or involvement in national research events. ▪ A consistent track record of published research in peer reviewed journals. ▪ Extensive experience and demonstrated success in delivering research results.

	▪ At least 2-year teaching experience and demonstrated success in delivering teaching within an agreed quality framework.	▪ Experience of devising, advising on and managing learning and research programmes. ▪ Experience of counselling, pastoral care and motivating students.
Personal Attributes	▪ Ability to work collaboratively in a multidisciplinary environment. ▪ Ability to work effectively in a multi-cultural environment. ▪ Ability and motivation to lead an independent successful research programme. ▪ Ability to work to deadlines and to prioritise tasks.	▪ Evidence of leadership quality in leading a team to achieve a task/project. ▪ Ability to attract students (undergraduate and postgraduate) to come and study at the University of Nottingham Ningbo China

Expectations and behaviours

The University has developed a clear set of core expectations and behaviours that our people should be demonstrating in their work, and as ambassadors of the University's strategy, vision and values. The following are essential to the role:

Valuing people	Is always equitable and fair and works with integrity. Proactively looks for ways to develop the team and is comfortable providing clarity by explaining the rationale behind decisions.
Taking ownership	Is highly self-aware, looking for ways to improve, both taking on board and offering constructive feedback. Inspires others to take accountability for their own areas.
Forward thinking	Driven to question the status quo and explore new ideas, supporting the team to "lead the way" in terms of know-how and learning.
Professional pride	Sets the bar high with quality systems and control measures in place. Demands high standards of others identifying and addressing any gaps to enhance the overall performance.
Always inclusive	Ensures accessibility to the wider community, actively encouraging inclusion and seeking to involve others. Ensures others always consider the wider context when sharing information making full use of networks and connections.

Key relationships with others

