

Job Description

Post title: Research Fellow in Mobile Computing and Software Development 1.0FTE FTC	Post No: N1262
Organisation Unit: School of ADBE	Date compiled: 14/08/2018
Grade: G	Hours per week: 37 Weeks per year: 52
If fixed term, state duration: Two years	
<p>Immediate line manager: Head of Department With dotted line responsibility to the Project Co-ordinator</p> <p>Designation and grade of any staff supervised by the postholder: None</p> <p>Job purpose: The principal purpose of the job will be to contribute to the development of research outputs in the EU H2020 project 'CIRC4Life: A circular economy approach for lifecycles of products and services'.</p> <p>Principal duties and responsibilities: The role will encompass all of the following, but the balance of duties and responsibilities will be determined in discussion with the post holder's line manager:</p> <p>1. Subject Area</p> <ol style="list-style-type: none"> 1. Mobile phone and software technology <p>2. Principal Duties</p> <ol style="list-style-type: none"> 1. Undertake individual or joint research on Mobile computing and software development, record and write up the results. This may involve, for example, undertaking and recording the outcome of experiments & field work, the development of questionnaires, conducting of surveys, literature or database searches as appropriate. 2. Analyse and interpret the results of this research and generate original ideas based on these outcomes, preparing reports for the project team as necessary. 3. Produce research reports and publications, preparing papers and presenting the information to stakeholders, such as steering groups, as appropriate. 4. Contribute to research plans as appropriate; communicating with internal and external contacts as necessary. 5. Keep knowledge and skills up the required level by engaging in internal and externally based CPD, making both internal and external contacts for collaboration purposes. 6. Ensure that all resources used are correctly recorded and documented, files are kept up to date and data accuracy is maintained. 7. Attend and contribute to meetings as appropriate. 8. Assist in the supervision of student projects and contribute to courses, particularly aspects such as research techniques or approaches or demonstration of equipment as appropriate. 	

This assistance may also take the form of tutorials or assistance in practical work.

9. Provide guidance and supervision where appropriate to support staff and students assisting with research.
10. The postholder may be required to undertake any other duties which may reasonably be required as within the nature of the duties and responsibilities of the post as defined, subject to the proviso that normally any changes of a permanent nature shall be incorporated into the Job Description in specific terms.

Special requirements:

All staff are expected to comply with the University's Health and Safety and Equal Opportunities policies in the performance of their duties.

Job description drawn up by	Professor Daizhong Su	14/08/2018
Approved for department by	James Dale	16/08/2018

Person Specification

Post Title:	Research Fellow in Mobile computing and software development 1.0FTE FTC	Post No:	N1262
Organisation Unit:	School of Architecture, Design and the Built Environment		
Grade:	G	Date Compiled:	14/08/2018

Attributes	Essential *	Desirable
Knowledge	<p>A thorough understanding of standard research techniques and methods within mobile phone software/application development technology, and the ability to develop skills further in this area, covering the following</p> <ul style="list-style-type: none"> • processing mobile data and interacting with external data services, and • development of database stored in mobile phones. • software development for communication with barcode, RFID, and QR. 	<p>Experience of publishing applications in the App market.</p> <p>Knowledge of sustainability technology.</p> <p>Knowledge of sustainable product data processing and management.</p>
Skills	<p>Skills of software programming with mobile phone platforms such as iOS or Android</p> <p>Skills of software programming using Java.</p> <p>Bibliographic research skills (including use of electronic library resources).</p> <p>Ability to deal with problems which may affect the achievement of research objectives and deadlines</p>	<p>Software programming using Java development environment to implement online data scrappy and online data mining.</p>
Experience	<p>Significant relevant work experience in a research environment, utilising standard research methods and techniques.</p> <p>Experience of report writing.</p> <p>Experience of data collection, analysis and interpretation.</p>	<p>Experience in writing research papers for publication in journal, book and conference proceedings.</p>
Qualifications	BSc/BEng in computing, or any other relevant discipline	

Competencies	COMPETENCY - Essential	LEVEL	COMPETENCY - Desirable	LEVEL
	<p><u>Communicating and Influencing</u> Communicates information effectively to a wide range of diverse stakeholders, influencing events.</p>	2		
	<p><u>Making informed decisions</u> Uses analyses, reports and data to test the validity of options and assess risk before taking decisions. Ensures optimum decisions are taken.</p>	2		
	<p><u>Organisation and Delivery</u> Plans time taking account of organisational priorities and other colleagues' work roles to achieve results</p>	2		
	<p><u>Team working</u> Contributes to team development, seeking and testing improvements to the team's outputs/service</p>	2		
Person Specification drawn up by:		Professor Daizhong Su		Date: 16/08/2018
Approved for department by:		James Dale		Date: 16/08/2018

* Please note: in compliance with our obligations under the Immigration, Asylum & Nationality Act 2006, we will require to check original documentary proof of eligibility to work in the UK