Job Description

Post title: Research Fellow in **Virtual Modelling of Architectural Heritage**	**Post No:** N1377
Organisation Unit: School of **Architecture, Design and Built Environment**	**Date compiled:** 22 Jan 2019
Grade: G	**Hours per week:** 37.5 (FT) **Weeks per year:** 52 (36 Months)

If fixed term, state duration:

Immediate line manager: Academic Team Leader
With dotted line responsibility to **Professor Mohamed Gamal Abdelmonem, Director, Centre for Architecture, Urbanism and Global Heritage.**

Designation and grade of any staff supervised by the postholder:
None

Job purpose: The principal purpose of the job will be to contribute to the development of research outputs in **the** funded research project, **"LABYRINTH: Conservation, Analysis and Virtual Reconstruction of Archaeological Site of Hawara Pyramid and Labyrinth (El Fayoum)"**, a Project funded by the Arts & Humanities Research Council.

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:

1. **Subject Area**

   1. . **Architecture, Urbanism and Global Heritage Research**

2. **Principal Duties**

   1. Undertake individual or joint research on the preservation, analysis of virtual reconstruction of Hawara Archaeological Site, 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 or 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:

The post holder will be required to contribute to research publications and outputs, research grant proposals and work with an international team of multidisciplinary researchers.

This post may involve undertaking research and fieldwork as part of international trips outside the United Kingdom.

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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	Prof. Mohamed Gamal Abdelmonem	**22 January 2019**
Approved for department by		

Person Specification

Post Title:	**Research Fellow in Virtual Modelling of Architectural Heritage**	Post No:	**N1377**
Organisation Unit:	**School of Architecture, Design and Built Environment**		
Grade:	**G**	Date Compiled:	**21 January 2019**

Attributes	Essential *	Desirable
Knowledge	A thorough understanding of standard research techniques and methods within digital recording and modelling of historic buildings and environments and the ability to develop skills further in this area Expertise and understanding of current technological developments and the deployment of techniques. Understanding of other equipment and machinery within the school Expertise in relevant software and IT	An understanding of **Architecture, Urbanism and Global Heritage Research** in a Higher Education context Knowledge of research and funding opportunities
Skills	Ability to collate, interpret and analyse complex data Ability to explain complex ideas clearly using terminology appropriate to the audience Bibliographic research skills (including use of electronic library resources) Ability to demonstrate specific equipment and techniques specifically related to **Virtual modelling of historic buildings, Architecture, Global Heritage Research**. if required Ability to deal with problems which may affect the achievement of research objectives and deadlines	Systematic approach to managing information

Experience	Significant relevant work experience in a research environment, utilising standard research methods and techniques			
	Experience of report writing			
	Experience of data collection, analysis and interpretation			
Qualifications	Undergraduate and Masters or equivalent in **Architectural history, digital archaeology, virtual modelling and Global Heritage Research**, or equivalent any other relevant discipline		PhD in a relavent discipline Membership of relevant bodies	
Competencies	COMPETENCY - Essential	LEVEL	COMPETENCY - Desirable	LEVEL
	Communicating and Influencing Communicates information effectively to a wide range of diverse stakeholders, influencing events.	2		
	Making informed decisions Uses analyses, reports and data to test the validity of options and assess risk before taking decisions. Ensures optimum decisions are taken.	2		
	Organisation and Delivery Plans time taking account of organisational priorities and other colleagues' work roles to achieve results	2		
	Team working Contributes to team development, seeking and testing improvements to the team's outputs/service	2		

Person Specification drawn up by:		Date:
Approved for department by:		Date:

* 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

2