



## Job Description

<b>Job Title</b>	KTP Associate
<b>School/Service/Institute</b>	School of Digital, Technology, Innovation and Business
<b>Normal Workbase</b>	Malone Group - DE14 2BZ
<b>Tenure</b>	Fixed Term - 24 months
<b>Grade/Salary</b>	Up to £40,521 per annum depending on skills and experience
<b>FTE/Hours</b>	1.0 FTE

### Job Purpose

- To lead the Knowledge Transfer Partnership with Malone Group, design, developing a sensor network and an associated management system to enable remote monitoring of machines' status, focusing on parameters such as vibration and temperature. The goal is to generate alerts when intervention or action is necessary.
- To oversee all aspects of the project, including the hardware implementation, software and algorithm creation, testing, and evaluation.
- To undertake project planning, progress reporting, and academic dissemination, and to embed acquired knowledge in Malone Group operations.

### Relationships

Reporting to:	Abdel Hamid Soliman
Responsible for:	KTP project development

### Main Activities

- Lead project planning, risk management, and reporting to ensure the effective delivery of the project and meet appropriate milestones and deliverables.
- Lead and collaborate with the project team to design, develop and test a sensor network-based system and an associated management system to enable remote monitoring of machines' status, focusing on parameters such as vibration and temperature and to generate alerts when intervention or action is required.
- Lead all aspects of the project including hardware selection/implementation,

software and algorithm development, testing and evaluation in laboratory and real-world environments.

- Disseminate results of the project to academic and industry conferences, journals, and publications.
- Liaise with representatives from Malone Group, Staffordshire University and other external organisations as appropriate to ensure the effective delivery of the project.
- To undertake both general Health & Safety responsibilities in accordance with the Malone Group and University's Health & Safety policy.
- To undertake appropriate professional development and mandatory training activities as identified or required (See Professional Development section).
- The role holder is required to minimise environmental impact in the performance of their role and to actively contribute to the delivery of the University's Environmental Sustainability Policy.
- To undertake other such responsibilities as may reasonably be required by the project principal investigator.

### **Special Conditions**

The postholder will be based at Malone Group and be required to undertake some work at Staffordshire University in Stoke-on-Trent.

The postholder will be required to travel and represent the University and Malone Group in the UK and Overseas as required and it is expected that some work at client sites within the UK will be required.

### **Professional Development**

The University will support and encourage the postholder to engage in continuous professional development activities through the YOURCareer@Staffs framework. This framework supports postholders to identify appropriate development opportunities. Continuing Professional Development (CPD) activity will be recognised by a bi-annual Performance and Development Review (PDR) discussion.

### **Variation to Job Description**

The University reserves the right to vary the duties and responsibilities of its employees within the general conditions of the Scheme of pay and conditions and employment related matters. Thus, it must be appreciated that the duties and responsibilities outlined above may be altered as the changing needs of the service may require.

### **Conditions of Service**

The postholder will be employed by Staffordshire University Services Limited. Staffordshire University Services Limited is a wholly owned subsidiary company of Staffordshire University which recruits and provides both academic and professional support staff to the University. You will be subject to Staffordshire University's policies and procedures and will be eligible to participate in the Staffordshire University Pension Scheme.

### **Application Procedure**

We encourage applicants to apply on-line at our website <http://jobs.staffs.ac.uk> as the system is user friendly and simple to complete.

We ask that all applicants ensure that they have provided comprehensive information under each criterion in the Supporting Statements section of the application form and, if necessary, add any relevant additional information in the Additional Information Section. The University will use anonymous application forms for this role; however, we recognise that applicants may want to include additional information. If you choose to upload any supporting documents that contain identifiable data, your application will no longer be considered anonymous.