

Job Description

General Details	
Job title:	KTP Associate: Specialist Software Developer (Ref CAE18-KTP)
School/Service:	Creative Arts and Engineering
Normal Workbase:	Stormking Plastics, Amington Point, Sandy Way, Amington Industrial Estate, Tamworth, Staffordshire, B77 4ED
Tenure:	2 years Fixed Term
Hours/FTE:	1.0 FTE working 37 hours per week
Grade/Salary:	£22,000 p/a
Date Prepared:	October 2018

Job Purpose
To project manage a two-year KTP to develop a PLC machine control, distributed network management platform applying principles of Industry 4.0 and predictive data analysis.

Relationships
Reporting to: Jake Dowson - IT Manager (Stormking Plastics) Mark Hanstock - Senior Lecturer (Staffordshire University)

Main Activities
<ol style="list-style-type: none"> 1) Research and gain familiarity with factory processes, form project team with key internal stakeholders, understand the company's business model. 2) Develop hardware and software for moulding machine, applying sensor and embed technologies in the production environment. 3) Investigate network communication technologies and server requirements considering server/client system models and how they would apply to the distributed network of production machine controls that will be deployed throughout the business. 4) Implement server and network hardware and test working closely with both IT and Production to ensure all requirements are met and changes to specification are captured and managed. 5) Develop Server application software designed for the management of business-critical systems. 6) Investigate other production environments where the newly created technology could be adapted to achieve similar benefits within the company. 7) Data gathering and assessment to allow the creation of a detailed analysis report to demonstrate the benefits that have been gained within the business. 8) Final reporting and group embedding. Further consideration would be given to the application of this technology throughout the companies group.

Special Conditions

This appointment is available on a fixed-term basis for 24 months.

Variation to Job Description

Staffordshire 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 post is subject to such terms and conditions of employment as negotiated between the Board of Governors of the University and the recognised trade unions, and/or the employees of the University. In negotiating such terms and conditions the Board of Governors will consider any appropriate advice received from the Universities and Colleges Employers Association (UCEA).

Informal Discussion

Should you wish to discuss this vacancy informally before making an application please contact:

Alastair Dawes – Regional Innovation Manager, Staffordshire University: tel. - 01785 353325; e-mail a.dawes@staffs.ac.uk

Application Procedure

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

We would ask all applicants to ensure that they have provided comprehensive information under each criteria in the Supporting Statements section of the application form and, if necessary, add any relevant additional information in the Additional Information Section.