

## JOB DESCRIPTION

<b>Post Title:</b>	Software Engineer Knowledge Transfer Partnerships	
<b>Post No:</b>	Knowledge Transfer Partnership No: 7174	<b>Ref No:</b> S666
<b>Salary:</b>	£19-24,000	
<b>Department/School:</b>	Department of Computing	
<b>Faculty:</b>	University of Gloucestershire Business School	
<b>Base Location:</b>	Malvern, Worcestershire	
<b>Hours per Week:</b>	37.5	<b>No of Weeks worked per annum:</b> 52
<b>Special Conditions:</b>	Two-year fixed term contract. Although the base location is as shown, the postholder may be required to work on other sites from time to time. The Associate must be prepared to spend time on training courses, at conferences and seminars as necessary.	

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## MAIN DUTIES AND RESPONSIBILITIES

### Responsible to:

**Line Manager** Head of Department, University of Gloucestershire

**Operational Managers:** Michael Clarke (Company Supervisor), AurQ Ltd

Shujun Zhang (Academic Supervisor)  
Martin Wynn (Academic Lead)  
Department of Computing,  
University of Gloucestershire

### Project objectives for the Associate

The overall aim is to research, develop and bring to market innovative business process management (BPM) products to double turnover over a three-year period, through the following stages:

- Research current BPM technologies focussing particularly on the Metastorm product set.
- Research the potential application of BPM products at key customer sites, producing outline template specifications for new bespoke products.
- Design and development of new database-independent BPM template applications employing Metastorm's Discovery, Provision, Insight, Integration Manager, expert system and .Net Orchestration tools.

- Alpha and Beta testing of trial BPM products with selected customers and capture of further requirements for future development.
- Final testing and commissioning of new BPM templates, based on the Metastorm product set.
- The embedding of new technologies to onward development and support these new products, particularly .Net skills.
- Secure new product sales

### **Primary Functions of the post of the Associate**

To manage the delivery of the key objectives outlined above on a day to day basis and to ensure related targets are met.

To report to the Company Supervisor on a daily basis regarding project progress and expected outcomes.

To report to the Academic Supervisor on a regular basis, and at least on a weekly basis. These meetings are to review overall project progress and to highlight any issues of concern.

To organise regular meetings between supervisors and present project updates at management meetings.

### **2. Secondary Functions:**

To assist in the dissemination and publication of outcomes.

To undertake training as required by DTI and KT Partnerships.

To undertake any other duties and responsibilities, commensurate with the grade of the post, properly directed by the line or operational manager. These variations will not change the general character of the post or the level of responsibility entailed.

This job description is a guide to the work the postholder will initially be required to undertake. It may be amended from time to time to meet changing circumstances by mutual agreement. It is expected the job description will be regularly reviewed by the postholder and his/her manager. These discussions will normally take place during the Staff Development Review interview. Where appropriate, an agreed amended job description will be produced or explicitly authorised by the Personnel and Staff Development department.

Closing Date: 30<sup>th</sup> April 2009

Interview Date: Week commencing 18<sup>th</sup> May 2009

**PERSON SPECIFICATION**

Job Title: Knowledge Transfer Partnerships Associate (KTP No. 7174),  
AURAQ LTD

School/Department: University of Gloucestershire Business School, Dept of Computing

<b>ATTRIBUTES</b>	<b>ESSENTIAL</b>	<b>DESIRABLE</b>
Attainments/ Qualification	Honours Degree (at least 2.1) in a relevant information technology or computing discipline.	MSc/MBA
Previous Experience	You should have experience system design and development, and knowledge of SQL and database technologies.	Some experience of process analysis and project management and project delivery is desirable, as is familiarity with project planning tools (e.g. MSPProject)
Training/Specialist Skills/Knowledge	Expertise in modern programming languages (eg C++, Java) and .Net environment	Expertise in process management tools such as Metastorm
Disposition	Ability to communicate effectively at all levels within an organisation.  Ability to work under pressure and meet deadlines.  Ability to work on own initiative and as a member of a team.  Highly motivated.  Pragmatic approach.	
Circumstances	Able and willing to work on other sites of business partners.  Able and willing to spend time on training courses, at conferences and seminars as necessary. (See special conditions of job description).	Full valid driving licence

## **FURTHER DETAILS**

### **Knowledge Transfer Partnerships Project with the University of Gloucestershire and AuraQ Ltd (KTP No 7174)**

#### *Background to Knowledge Transfer Partnerships*

Knowledge Transfer Partnerships is a government funded scheme which places high-quality graduates in companies to undertake projects of strategic importance. Projects in KT Partnerships can cover any important aspect of a business where the company needs an injection of knowledge or expertise.

Knowledge Transfer Partnerships enable recently qualified graduates (known as Associates) to work in companies managing challenging projects central to the development needs of participating companies. As an Associate in a Knowledge Transfer Partnerships project you will be able to enhance your career prospects by benefiting from business based training and personal and professional development whilst managing a project within a company.

At the heart of each Knowledge Transfer Partnership is a relationship between a company and a university applying their expertise to a project that is central to the development of the company partner. In the process, staff in the university are able to enhance the business relevance of their teaching and research.

As the Associate you will be expected to manage the programme on a day-to-day basis and to ensure targets are met. As the project will be organised and operated in a manner consistent with the Technology Strategy Board's (TSB's) requirements and objectives, you will be in a boundary-spanning role and will need to be sensitive to the requirements of both the University and the partner organisation.

As part of this programme you will be given opportunities to gain additional skills and qualifications as required. These include: Diploma in Management and an opportunity to work towards a higher degree using the action research element of the project.

KTPs aim to help businesses to improve their competitiveness and productivity through the better use of knowledge, technology and skills that reside within the UK Knowledge Base. KTP is funded by the Technology Strategy Board along with other government funding organisations.

#### **AuraQ Ltd**

AuraQ has been established for ten years, specialising in process improvement. It has built its turnover steadily over this period and last year achieved revenues of over £0.5m. The company now wishes to move towards solutions rather than services, and to providing bespoke software components based on the Metastorm BPM (Business Process Management) product range.

#### **The aim of this project is to:**

Research, develop and bring to market innovative business process modelling (BPM) products to double turnover over a three-year period.

#### **University of Gloucestershire Business School**

The University of Gloucestershire Business School is a major centre of expertise in Management and Information Technology in the South West of England and is home to over 90 staff and 2,800 students, 600 of whom are on postgraduate programmes. Based in Cheltenham and Gloucester with an excellent range of courses and a good track record in research, the Business School offers effective solutions in education, continuing professional development, consultancy and applied research.

The teaching and learning environment is second to none in the sub-region and state-of-the-art presentation technology is used in order to enhance the learning experience. In addition, on-line data sources and extensive computing facilities form the backbone of the Learning Centre that also houses textbooks, academic journals and relevant periodicals.

The course portfolio continues to expand, as does the range of services offered to organizations in the profit and not-for-profit sectors in terms of training and consultancy. This is made possible through a faculty of staff from a broad range of professional, business and academic backgrounds. Particular areas of expertise range from human resource management, marketing and strategy, finance and financial services to business information systems, multimedia and computing. In addition there are also specific specialisms such as the management of operations, public services management and commercial computing.

Research degrees, leading to the awards of MA/MSc/MPhil/PhD, are offered in management, operations management, human resource management, financial services, marketing, organisational behaviour and service culture, computing, IT and multimedia.

All these areas are supported by the Business School's Research Centres which provide a focus for collaborative research, the results of which are evidenced in numerous academic papers, texts and articles that are published each year. The Business School has now completed approximately 25 KTP projects and has a further 9 currently in operation.

The Business School entered the Business and Management Studies Unit of Assessment (UoA43) in the Research Assessment Exercise and obtained a rating of 3a in December 2001. This achievement demonstrating national excellence, with evidence of international presence, represents an interim goal in the School's pursuit of research excellence.