



Job Description

Job title	Technical Specialist - Connected & Intelligent Mobility
School/Service	Technical Services
Normal Workbase	Stoke
Tenure	Fixed Term until 30 th June 2023
Grade/Salary	Grade 6
FTE	37 hours per week/ 1.0 FTE
Date prepared	November 2021

Job Purpose

This role is partly funded by the European Regional Development fund, delivering activities within the Staffordshire Connected and Intelligent Mobility Innovation Accelerator (SCIMIA) project. SCIMIA aims to improve productivity and profitability of Staffordshire businesses through innovations in software, product design, prototyping and development of new physical products, product components and services in intelligent mobility.

This role will focus on supporting technical innovation in local SMEs and the wider economic development of the Staffordshire region. Working closely with academic colleagues and Innovation and Enterprise Fellows the role holder will support student/graduate interns (Innovation Consultants) to deliver innovation projects for intelligent mobility sectors, industries and markets across road, rail, air and sea. This role will support both SMEs already working in the transport sector to innovate and those in different sectors to translate their business into the intelligent mobility sector.

The role holder will focus on providing support in the areas of embedded computing and programming, sensors, actuators, electronics, wireless communications and mechatronics.

Relationships

Reporting to: Technical Services Manager – Smart Technology

Responsible for: No line management responsibility

Main Activities

- To provide effective specialist technical instruction, support and advice to staff, students and SME's across a range of technologies and processes associated with connected and intelligent mobility

- To provide specialist advice and hands-on support in the areas of embedded computing and programming (including C/C++/Arduino), sensors, actuators, electronics, wireless communications and mechatronics.
- To work independently and/or alongside other colleagues in delivering detailed inductions, core and advanced skills sessions and to provide superb student/SME supervision and guidance.
- To act as technical liaison for SME's to ensure they get connected with the specialist University staff they require.
- To undertake routine calibration, configuration and operation of specialist and non-specialist technical equipment.
- To develop and maintain handouts or guides on the correct use of specialist equipment and/or to help demonstrate good skill techniques.
- To assist in the management of resources including recommendations for improvements, the preparation of orders, ordering/issue of consumable materials and associated stock and storekeeping tasks and administration of inventories.
- To assist with the planned maintenance, repair and servicing including problem solving related to specialist technical equipment.
- To liaise closely with academic and other technical staff in relation to facility developments and support requirements.
- To identify new technological developments and distribute knowledge within the team, making recommendations and suggestions to the Technical Services Manager on future investment needs within technical areas.
- To ensure that Health and Safety legislation and regulations are adhered to and that technical areas are kept in a safe and orderly manner, including facilitating the implementation of a Health and Safety policy and providing advice on safe working practices.
- To contribute to regular Health and Safety audits and/or inspections and write risk assessments for technical activities as necessary.
- To encourage collaborative work between all technical teams across the University, building strong working relationships and promoting the effective use of resources and ensuring that shared objectives are achieved.
- To undertake continuous professional development in order to ensure a current awareness of developments in related academic and technical areas.
- To provide support cover across other technical subject areas as and when required, according to individual technical expertise.
- To proactively engage in and fully support any initiatives introduced to raise the profile of the technical team.
- To provide support when required on University open days and recruitment events, including weekend working.
- 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.

Special Conditions

This post is part funded by the European Regional Development Fund 2014 – 2020.

The role holder will be required to travel between sites from time to time in a cost-effective manner, which may be through the use of a car.

There will be a need for the post holder to work evenings and occasional weekends to cover course requirements, marketing and recruitment activities.

Professional Development

The organisation is keen to support staff in achieving high standards and will expect continuous professional development to ensure up to date knowledge and technical skills in related areas.

Variation to Job Description

The employer 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

If you are successful in being appointed to a role, you will be employed by Staffordshire University Services Limited (SUS Ltd).

Staffordshire University Services Limited is a wholly owned subsidiary company of Staffordshire University. You will be subject to Staffordshire University's policies and procedures and will be eligible to participate in the Staffordshire University Pension Scheme.

Informal Discussion

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

Heidi Robinson, Technical Services Manager – Smart Technology
Tel 01782 294895 or heidi.robinson@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.

Staffordshire University will use anonymous application forms for this role, however we recognise that applicants may want to include additional information demonstrating their research or publications. If you choose to upload any supporting documents that contain identifiable data, your application will no longer be considered anonymous.