Nottingham Trent University

Job Description & Person Specification	
Post title: Research Fellow in tinyML	**Post No:** 550314
School or Department: School of Science and Technology (SST)	**Date created:** 12/01/2025
Grade: Grade G	**Hours per week:** 37
Fixed term end date (if applicable)**:** 31/12/2026	
Other requirements of the role:	
Immediate line manager: Prof. Eiman Kanjo	
Title & Grade of posts line managed by postholder: Grade G	

Job purpose: The principal purpose of the job will be the development of research in EdgeAI and to enhance the subject group's external research profile.

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:

Subject Area
1. Pervasive Computing
2. tinyML

A) **Principal Duties**
1. Undertake individual or joint research on ProSensing, 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.

N.B. The post-holder 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.

Personal Attributes

Attributes	Essential	Desirable
Knowledge	A thorough understanding of standard research techniques and methods within EdgeAI , and the ability to develop skills further in this area Expertise and understanding of current technological developments and the deployment of techniques within EdgeAI. Understanding of other equipment and machinery within the school Expertise in relevant software and IT	An understanding of EdgeAI 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 AI and Embedded Systems 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 Computer Science, AI or Electronic Engineering or any other relevant discipline	PhD in a relevant discipline Membership of relevant bodies

Competencies	
Essential Competencies	**Desirable Competencies**
Communicating and Influencing (Level 2) Communicates information effectively to a wide range of diverse stakeholders, influencing events. **Making informed decisions (Level 2)** Uses analyses, reports and data to test the validity of options and assess risk before taking decisions. Ensures optimum decisions are taken. **Organisation and Delivery (Level 2)** Plans time taking account of organisational priorities and other colleagues' work roles to achieve results **Team working (Level 2)** Contributes to team development, seeking and testing improvements to the team's outputs/service	

Job Description and Person Specification created by (post title): Professor