QUEEN'S UNIVERSITY BELFAST

Candidate Information

Position:	Digital Engineer
School/Department:	School of Mechanical and Aerospace Engineering
Reference:	22/110571
Closing Date:	Monday 6 February 2023
Salary:	£35,333 - £38,592 per annum
Anticipated Interview Date:	Friday 10 February 2023
Duration:	Available until 31/12/2023

JOB PURPOSE:

To support Digital Engineering activities within NITC's advanced manufacturing activities, utilising specialist knowledge and experience of methods and processes, to generate innovative research outputs which have a direct economic and technical benefit. Working collaboratively with academia, technology providers, national technology centres, and industry to deliver key projects focused on Advanced Manufacturing activities.

MAJOR DUTIES:

1. Apply technical knowledge and experience in support of the development of innovative and emerging industry focused solutions.
2. Development and implementation of smart factory technologies.
3. Document activities through formal high quality technical reports.
4. Engage with industrial partners to facilitate the transfer of NITC capabilities into commercial R&D teams.
5. Contribute to the planning, development, delivery, maintenance and trailing of NITC projects.
6. Produce high quality technical reports and demonstrations to assist in generating funding opportunities to support further programme activity.
7. Carry out routine administrative tasks to ensure project goals are completed on time and within budget.
8. Undertake any other duties that may reasonably be requested by management

ESSENTIAL CRITERIA:

1. Honours degree in computing, engineering, science, or a related discipline with at least three years' relevant experience OR; Minimum HND in a related discipline with at least four years' relevant industrial experience.
2. A minimum of 1 years' relevant experience in Cloud/Edge computing, IIOT networking and/or enterprise software applications.
3. Demonstrable knowledge of networks, server administration and containerization.
4. Demonstrable knowledge/or experience of digitization and digitalization through research or industrial application.
5. Experience of using research tools and techniques resulting in high quality project and technical reports.
6. Ability to contribute to broader management and administrative processes.
7. Strong evidence of complex problem solving skills obtained / relevant for industrial data related problems.
8. Ability to innovate and rapidly contribute to research projects.

DESIRABLE CRITERIA:

1. Hold or be about to hold a relevant higher degree or Ph.D.
2. Evidence of working with international OEMs and SMEs.
3. Demonstrable experience in Digital supply chain ecosystem.
4. Direct Experience in using either Machine learning, analytics or data manipulation.
5. Demonstrable experience with securing and creating value from industrially generated data for internal data driven decision making.
6. Evidence of strong resource management ability.
7. Ability to build contacts and participate in internal and external networks.

8. Experience of collaborative research and effective working in a team.