UNIVERSITY OF WARWICK

Job Description

Job title	Engineer (Manufacturing / Process)
Department	SME Group/ WMG
Grade	FA5

Job purpose (a brief summary of the role)	The WMG SME Group are seeking to appoint Engineers to join their multidisciplinary team to assist in the delivery of our SME Programmes. This project helps manufacturing SME's become more productive and competitive. The group aims to accelerate SME economic growth through research-led innovation. We build strong sustainable and collaborative relationships with SME businesses and partner organisations. The ideal candidate will have a background in Manufacturing or Process Engineering, with experience in Lean Manufacturing, 6 Sigma, Shopfloor Layout, Value Stream Mapping, Productivity Improvement.
Duties and responsibilities	1. Utilise necessary knowledge and technology in the team to react to client project needs and to provide solutions with regards to how best to solve the client challenges. 2. Conduct on-site assessments and line walks with customers to identify their challenges and identify improvement opportunities. 3. Collaborate with other senior engineers and managers in the group and wider university to deliver engineering projects where required. 4. Travel to customer sites (mainly within the West Midlands) to support project delivery. 5. Analyse and optimise manufacturing and operational processes using data-driven and Lean/Six Sigma methods. 6. Support the team with the project deliverables. This includes defining the specific objectives, the planning of the specific tasks required and key milestones. 7. Support the team with regular project reviews of the agreed project deliverables. Where risks are spotted, there will be a requirement to flag this to the relevant senior colleague within the team to ensure the project remains on track. 8. Responsible for the writing of project reports, grant applications and presentations in conjunction with the Innovation Manager/Senior Engineer from within the team. These will be completed at the end of each project within the team and provided to external partnership companies to provide evidence for the outcomes of the relevant project.

Person Specification

The Person Specification focuses on the essential and desirable knowledge, skills, experience and qualifications required to undertake the role effectively. This is measured by (a) Application Form, (b) Test/Exercise, (c) Interview, (d) Presentation.

Essential Criterion No.	Essential Criterion Description	Measured by
E1	Degree qualification in relevant subject or equivalent industrial experience.	A
E2	Ability to demonstrate where degree taught theoretical learning has been transferred into a real- world environment.	A,C & D
E3	Demonstrable engineering/business skills including the ability to rapidly adopt and learn new skills.	A,C & D
E4	Knowledge of technology and systems relevant to the project.	A,C & D
E5	Experience of technology in manufacturing, engineering, or related sectors.	A,C & D
E6	Ability to prioritise activity to meet client needs.	A & C
E7	Experience of using software or hardware with regards to manufacturing to produce a solution to client requirements.	A & C
E8	Skills to work effectively as part of a team but also be able to work independently and using initiative.	A & C
E9	Excellent interpersonal, written, and verbal communication skills, including the ability to present technical solutions to a varied audience.	A,C & D
E10	Ability to interpret complicated instructions, analyse requirements and apply specialist technical solutions to problems.	A & C
E11	A flexible approach to working.	A & C
E12	Excellent problem-solving ability and analytical skills.	A & C
E13	Awareness of specific legislative and health and safety practices and procedures ensuring compliance.	A & C

Desirable Criterion No.	Desirable Criterion Description	*Measured by*
D1	Experience of writing technical reports.	A & C