# JOB DESCRIPTION

**Vacancy Ref:** A3330

<table>
<thead>
<tr>
<th>Job Title:</th>
<th>Research Associate for the ‘DSCAC’ Programme</th>
<th>Present Grade: 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Department/College:</td>
<td>Engineering Department</td>
<td></td>
</tr>
<tr>
<td>Directly responsible to:</td>
<td>Prof Darren Williams</td>
<td></td>
</tr>
<tr>
<td>Supervisory responsibility for:</td>
<td>Research Students, Masters Students, UG Project Students</td>
<td></td>
</tr>
</tbody>
</table>

**Other contacts**

**Internal:** Other academic staff and (senior) research associates in the Engineering Department, research staff on related projects.

**External:** Collaborators / partners working on the DSCAC project, both in the UK and overseas.

**Major Duties:**

1. Support and undertake research activities specific to Innovate UK (Manufacturing made smarter: digital supply chain, 6 month feasibility studies) project entitled “Digital Supply Chain Adoption Curve (DSCAC)”. This is an Innovate UK collaborative project with Authentise as the lead organization, 4 partners in total will be working on this project. Lancaster’s role in the project is support the development of a product roadmap to help deliver the vision of a fully integrate, digital supply chain, the following objectives have been identified:
   - Carry out Specification and Stakeholder Engagement activities:
     - Mapping of supply chain stakeholders
     - Interview/questionnaires
     - Facilitating workshops
   - Develop a prototype for the Ecosystem Architecture and Design
     - Carry out state of the art review on existing solutions and gap identification
     - Design the Ecosystem
     - Demonstrate a Conceptual / simulation of activity of ecosystem
   - Testing and evaluation of prototype system developed.

2. Working effectively in a cross-disciplinary academic-industry team to achieve the above goals, and to be prepared to attend technical meetings and perform implementation and testing, both at Cambridge and elsewhere as required by the consortium.

3. Contributing to the planning, development, and publication of our work within the project.

4. Preparing and presenting of talks, posters and reports to disseminate the results of the research.

5. Participating in national and international conferences and workshops to present the results of the project to a wider audience and to learn about current advances in the field.

6. Taking a lead in the preparation of (potentially collaborative) journal papers for publication of project findings.

7. Participating in all project meetings, including the development of progress reports describing and reflecting on the results of the project.

8. Support the co-ordination, administration and supervision of research students within the Department, especially those working in nuclear related areas.
9. Any other duties appropriate to the grade and position as directed by your line manager.