

## **Person Specification**

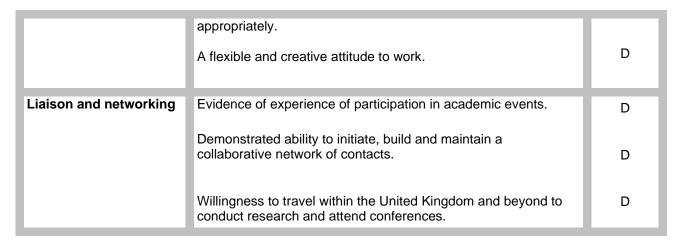
This form lists the essential and desirable requirements needed in order to do the job.

Applicants will be shortlisted **solely** on the extent to which they meet these requirements.

Job title: Research Officer in Mathematical Optimisation

| Competency                           | Criteria   | E/D |
|--------------------------------------|--|-----|
| Knowledge and<br>Experience          | Successful completion (or near completion) of a PhD in a discipline relevant to mathematical optimisation, such as Mathematics, Computer Science, or Operations Research.  | E   |
|                                      | Demonstrates comprehensive knowledge and experience in the theoretical understanding of fundamental problems in combinatorial optimisation, and its connections to graph theory, integer programming, and submodular optimisation. | E   |
|                                      | Evidence of developing a body of good quality publications, in well-recognised peer reviewed outlets, through independent original research.   | E   |
| Communication                        | Excellent written and oral communication skills, including an ability to place one's specialist work within a broader context and to communicate research findings effectively to a range of audiences.                            | Е   |
| Investigation, analysis and research | Ability to analyse and research complex ideas, concepts, or theories.  | E   |
| Planning and organisation            | Ability to take a significant role in pursuing the activities and objectives of the research project.  | E   |
|                                      | Evidence of good time and workload management and planning skills, setting priorities, and committing to delivery within deadlines.  | D   |
| Teamwork and motivation              | A commitment and demonstrated ability to work as part of a collaborative research team in assisting the smooth running of the project.   | D   |
|                                      | Ability to take responsibility for, and work independently on, specific project tasks, consulting, and reporting to colleagues   | D   |





E – Essential: requirements without which the job could not be done.

D - Desirable: requirements that would enable the candidate to perform the job well.