



## SUSTAIN Skills Matrix

| Area                     | Knowledge, Skills, Experience, Competencies and Personal Attributes                                                                                                     | Essential (E) / Desirable (D) | Where Evidenced<br>Application Form (A), Personal Statement (PS), Interview (I), Presentation (P), References (R) |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Fit to CDT               | Understanding of CDT goals and values                                                                                                                                   | E                             | PS, I, P                                                                                                          |
|                          | Commitment to cohort training and cohort building activities                                                                                                            | E                             | PS, I, P                                                                                                          |
|                          | Industry knowledge and commercial acumen                                                                                                                                | D                             | PS, I, P                                                                                                          |
| Academic Background      | A minimum First-Class or 2:1 degree or an MSc with merit in a relevant area.                                                                                            | E                             | A                                                                                                                 |
|                          | Non-native English speakers must hold a minimum qualification equivalent to IELTS 6.5. A degree from an English-speaking university will also be accepted.              | E                             | A                                                                                                                 |
| Software Skills          | Highly literate in at least one programming language (e.g. python, R, Matlab, etc.) or a strong interest in receiving training during the first year of the studentship |                               | A, PS, I, P                                                                                                       |
| Independent Project Work | Ability to work independently                                                                                                                                           | D                             | PS, I, P                                                                                                          |
|                          | Effective problem-solving skills                                                                                                                                        | D                             | PS, I, P                                                                                                          |
|                          | Effective planning, organising and time management skills                                                                                                               | D                             | PS, I, P                                                                                                          |
| Work Experience          | Relevant experience in subject discipline                                                                                                                               | D                             | A, PS, I, P                                                                                                       |
|                          | Relevant experience in AI                                                                                                                                               | D                             | A, PS, I, P                                                                                                       |
| Collaborative Working    | Enthusiastic and flexible approach to teamworking                                                                                                                       | E                             | PS, I, P                                                                                                          |
|                          | Effective team member                                                                                                                                                   | E                             | PS, I, P                                                                                                          |
|                          | Supervisory engagement                                                                                                                                                  | E                             | PS, I, P                                                                                                          |
|                          | Flexibility to accommodate occasional evening and weekend events.                                                                                                       | D                             | I                                                                                                                 |
| Development Potential    | High standard of written and oral communication skills                                                                                                                  | D                             | A, PS, I, P                                                                                                       |
|                          | Dedication to Research                                                                                                                                                  | E                             | PS, I, P                                                                                                          |
|                          | Dedication to Industry                                                                                                                                                  | E                             | PS, I, P                                                                                                          |

If you are selected for interview, you will need to give a presentation explaining your interest in your selected project(s) and SUSTAIN. Your presentation will be evaluated based on the following criteria:

- Subject knowledge
- Communication skills
- Industry knowledge