

Student name:

The project:

Question	Score
1. Please can you describe the PhD project you've applied for in your own words, what are its aims, and technically what will it involve? <ul style="list-style-type: none">• How does your previous experience give you the skills to tackle this project, with examples?	
2. Why do you want to do a PhD? <ul style="list-style-type: none">○ Specifically, why this project and what do you find most interesting?	

Relevant skills:

3. Describe a research project you have completed, and tell us, using examples of your role in the project, what you were able to discover.	
4. Describe, with examples, your experience of scientific programming and analysing large data sets and problem solving within this.	
5. Working independently is an important part of pursuing a PhD, but you will also be part of the SENSE CDT community and an active member of your supervisors' research group. Can you give examples of times when you've worked independently and as part of a team, and how you will contribute to these communities?	

Technical test questions:

6. Please can you tell us your favourite satellite, the technical specification of the data it collects, how you might use it to understand the Earth. <ul style="list-style-type: none">○ Prompt if necessary: can you explain the difference between a SAR image and an optical image?	
7. Now we are going to ask you to talk about this piece of code [show paper / share screen]. Please describe for us what this Matlab-style loop is doing, and if you can suggest any improvements. Hints: <ul style="list-style-type: none">■ How many times will this loop cycle through?■ Are loops efficient?	

Big picture ideas:

8. As a researcher you'll have the opportunity to shape the direction of your project, especially Earth Observation and advanced computing techniques. No right or wrong answer, what exciting new ideas would you bring to the table? (!)	
--	--

General:

Do you have any questions for us?

Would you consider another project?

Comments:

Summary: You should hear from us in 1-2 weeks. Deadline for accepting/declining is 18th March.

```
for i = 1:100
    for j = 1:100
        m(i,j) = (i + j) * i/2
    end
end
```