

## **College of Engineering and Physical Sciences**

### **Development Needs Analysis (DNA) form**

The Development Needs Analysis (DNA) is a yearly progress review and projection to help you focus on skills you wish to obtain in the coming year and which will aid in your professional and career development. It also helps you to outline any training you require to develop these skills.

The aim is for you to consider your long term goals and make plans to achieve them. These goals should not be direct results from your core research project (such as: order and assemble some equipment, finish an experiment, write a literature review etc) but related skills which will help you in completing your PhD (for example: learn to speed read, learn a language, improve your academic writing skills, improve your data collection or analysis skills etc) and add skills for your post-PhD life and work.

This form has been developed by PGR student representatives in the College of Engineering and Physical Sciences. You are welcome to use this form or to use the University Graduate School's form. You should choose the form that best suits your way of thinking about your training needs.

Further information about the Development Needs Analysis process is given on the last page of this document.



## EPS Development Needs Analysis (DNA) form Part 1

### Reflection (*not required in the first year of study*)

*To be completed by the student:*

**Name: Miguel Perez Xochicale**

**Student ID No: 1386479**

**Programme: PhD Dept ElecElecComp**

**Year of Study: Second**

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*With reference to your previous DNA form:*

Which of your listed goals have you achieved in the past year?

I did not submit a DNA form last year. However, I can say that I have been involved in writing summer courses, presenting posters at university and creating a workshop to teach Robotics to Children.

What goals do you feel you have not fully achieved?

The workshop to teach Robotics to Children

What reasons underlie these unachieved goals (shift of priorities, re-evaluation of needs, insufficient time or planning etc)?

I think I need funding and people in order to reach the level of quality that I want for the workshop.

Do you feel you have been impeded or unsupported in any way in achieving your goals?

Financially speaking, I think I need to find a way to have buy material for my workshop.

How could these obstacles be avoided or rectified for the future?

I think I have to look and to apply to financial bodies in both the UK and Mexico.



**Reflection** (*not required in the first year of study*)

*To be completed by the student's supervisor:*

Do you agree with the student's assessment of progress since the previous DNA form?

*Not fully. Financial support is available. Some of the major obstacles for progress relate to familiarity and experience in using analysis tools.*

Do you agree that the student's proposed actions will help towards achieving their goals?

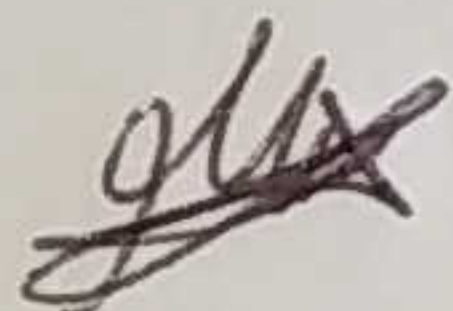
*None were stated*

Do you have any further comments on this matter?

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*I have read and discussed the above points with my student/supervisor on the date stated below.*

Student's signature:



Date:

*7/7/16*

Supervisor's signature:



Date:

*6/9/16*



## EPS Development Needs Analysis (DNA) form Part 2

### Projection

*To be completed by the student:*

**Name:** Miguel Perez Xochicale

**Student ID No:** 1386479

**Programme:** PhD Dept ElecElecComp

**Year of Study:** Second

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What are your training and development goals for the coming year for your PhD?

I am planning to deliver a workshop to teach Robotics to Children as part of the Outreach activities of the University of Birmingham.

What is required of you to achieve these goals?

I need money to buy the material of the workshop. I will also need to go to some presentation skills workshops.

What is required of your supervisor to achieve these goals?

He only has to allow me to deliver the workshop, and perhaps his help for writing grants to find the money to fund the workshop.

Is there any training/workshops you wish to undertake this year to complement your career development, and how do you feel this will help with your career development?

I believe that it would be so useful to go to a Scriptoria Scientific Writing Workshop

Are these training/workshops available to you at the University?

There is a summer writing workshop, but I think the time is very limited to polish my writing skills.



## Projection

*To be completed by the student's supervisor:*

Do you agree that the student's proposed goals are in their best interests?

The goals are incidental to the thesis but important for long-term career plans.

Do you feel that the student's plans are sufficient to achieve their goals?

It is important to concentrate on improving writing and presentation skills, and to continue developing analytical skills.

Do you agree to aid the student in the manner outlined above?

I can contribute to data analysis (if data are presented in a usable form) and to writing of papers (when these are prepared).

Do you have any suggestions for the student?

I have proposed experimental designs for data collection for the thesis but Miguel has chosen to apply alternative approaches.

Do you have any further comments on this matter?

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*I have read and discussed the above points with my student/supervisor on the date stated below.*


Student's signature:



Date:

7/7/16

Supervisor's signature:



Date:

6/9/16