

## Department of Mechanical Engineering XPD Activity Plan

If you want Imperial to recognise an extracurricular activity for ECTS and IMechE to count it as mentored professional development towards CEng status, please:

1. Read **Completing an XPD Activity Plan** in your Handbook, then
2. Complete Sections 1-3 of this form **before you begin the activity**.

### 1 Details of planned activity

Your CID number	Surname	Initials
01197480	PEEL	JNP

#### College Extracurricular course

Course code	Course title	Start date	End date

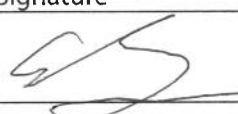
#### Industrial Internship or placement

Employing Organisation	Supervisor	Start date	End date	Duration (w)*

#### UROP or other research placement

Employing Organisation	Project title	Supervisor	Start date	End date	Duration (w)*
Imperial College London	Sting project: Use of deep learning to recognise brain tissue	Vani Virdyawan	11/07/19	13/09/19	9

### 2 Planned development objectives

Explain briefly how you expect this activity to contribute to your Personal Development Plan.		
<ul style="list-style-type: none"> <li>- Provide insight into a career in research</li> <li>- Opportunity to learn and apply programming in Python</li> <li>- Opportunity to research and apply Machine learning</li> <li>- Make research contacts and networks.</li> <li>- Contribute to a real-world research project, STING</li> <li>- Understand uses of taught subjects in machine learning practical</li> </ul>		
Approved by Personal Tutor	Signature	Date
C Schvinske		10.02.19

\* Activity durations should be given in full-time (37h) weeks, and must not include term weeks.

### 3 Intended training objectives

For industrial or research placements Training Objectives must be identified in advance, by agreement with your supervisor.

For a 6-8 week placement, identify **three** Training Objectives (see Notes); for a 9-12 week placement identify **four**.

TBP code	Brief description of relevance to your activity	Assessed 1-4 on completion
1.1	Self-teaching python & using neural nets <sup>then</sup> requires applying these requires good self-management.	
1.4	Research labs are small and making good connections with all members allows for a better knowledge-sharing	
2.3	and atmosphere Research can often throw unexpected problems therefore the ability to solve these problems is valuable.	
2.4	My placement will require learning new skills I have not used before therefore effectively applying this will be a good test of my learning.	
Name of industrial or research supervisor		
Vani Virdyaman		

Please return a COPY of this form, with Sections 1-3 completed, to the Undergraduate Office  
BEFORE BEGINNING THE ACTIVITY

### 4 Assessment and completion of activity

Name of industrial or research assessor	Signature (on assessment)	Date

Please return this form, SIGNED BY THE ASSESSOR, to the Undergraduate Office  
ON COMPLETING THE ACTIVITY