Imperial College London

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

2 Planned development objectives

Explain briefly how you expect this activity to contribute to your Personal Development Plan.

- Provide insight into a career in research
- Opportunity to learn and apply programming in Python
- Opportunity to research and apply Machine learning
- Make research contacts and network.
- Contribute to a real-world research project, STING
- Understand uses of taught subjects in mecheng practical

Approved by Personal Tutor	Signature	Date
C Schwingshackl		14.02.19

* 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 of python & using neural nets then ~~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 [and atmosphere]	
2.3	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 Vidyavan

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