UNIVERSITY OF LIVERPOOL

DEPARTMENT OF ELECTRICAL ENGINEERING AND ELECTRONICS

YEAR 3 BENG/MENG Project Safety Risk Assessment 2015/16

The Management of Health and Safety at Work Regulations require that a risk assessment is carried out before work starts. For guidance on risk assessment see Safety Circular SC42/3.

STUDENT NAME: Junming ZHANG ID No: 201138928

LOCATION WHERE WORK IS TO BE UNDERTAKEN: Computer lab. SUPERVISOR Mark Bowden

TITLE OF PROJECT: Development of a C++ - based user- interface for a plasma simulation tool

Description of Work Undertaken

Familiar with the properties and background of gas discharge. Using PLASIMO which is the plasma simulation software to obtain a series of output data. Then using C++ software to develop a user-friendly interface to pick up the significant output data and display them to user intuitively.

Main hazards of the work/project *(Consider: people who can be affected, equipment used, materials handled and environment hazards)*	**Controls required** *(Consider: appropriate physical, procedural and behavioural controls).*
- standards of prolonged Komputer use.	- standard controls for computer use - regular break. - appropriate workspace :

All boxes must be ticked in the following section to indicate either YES or NO.			
	NO	**YES**	**If you have ticked YES please follow the hyperlinks in the attached document, complete and return supplementary paperwork and/or implement and adhere to the guidance given.**
Will work require the lifting of weights (heavier than 15kg)	✓		SC44-5 Manual Handling
Use lasers of any kind?	✓		Laser Risk assessment Laser Local rules Laser Registration form Read CoP & AURPO
Use gas cylinders or compressed gas?	✓		Gas Cylinder safety
Use Chemicals?	✓		COSHH SCR18 – COSHH assessment
Use voltages over 30V DC/AC	✓		Electrical Safety Electricity at work
Use Power tools or rotating motors and machines	✓		SCR15-4 PUWER
Use Cryogenic Liquids/gases	✓		Cryogenic liquids and solids
Use Vacuum Systems and pressurised vessels	✓		Vacuum Systems and Pressure vessels
Use Radiation (UV, x-rays, microwaves)	✓		Control of artificial optical radiation at work Radiation safety code of practice Local rules – UV Code of Practice – UV Microwave registration

LEVEL of Supervision?	**A** = Work May not be started without direct supervision
	B = Work may not start without Supervisor advice or approval
	C = No specific extra supervision requirements
Other relevant specific assessments (Local rules)	none.
I can confirm that Hazards identified and precautions specified are appropriate for the task :- Academic supervisor Signature ..... Date 5/5/2016 Student Signature Junming Zhang	

- **A new assessment must be completed whenever there is a change that affects safety**

A copy of this assessment must be dated and signed by the student and supervisor. Please scan this form and submit online on VITAL within one week of selecting the project with your supervisor. Also submit the paper copy to the Student Support Office. If you fail to return the form within one week, your project may be reallocated to another student.