

4TH YEAR PROJECT HAZARD ASSESSMENT FORM

Project Code: F-FF 286-2	Project Location: CUED Div-F Offices
Assessor Name: Philip Salmony	Assessor Email: pms67@cam.ac.uk
Supervisor Name: Dr. Fulvio Forni	Supervisor Email: f.forni@eng.cam.ac.uk
Brief Description of Project: Modelling, simulation, and control design of an actuated bike.	
Hazard identification (the following examples are not an exhaustive list): Are there any hazards which are likely to be encountered during the project? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> (Tick box) If YES then please provide further details under the headings below.	
Electrical: (e.g. electric shock, equipment operating at voltages >1000v, working on exposed circuits with voltages >50v etc) Small DC motors below 80 Watts. Microcontrollers & small electronics.	
Hazardous Substances: (e.g. harmful, toxic, flammable, sensitiser, carcinogenic, explosive, corrosive etc) /	
Gases: (e.g. asphyxiant, flammable, toxic, explosive, oxidising etc) /	
Laser: (e.g. class of laser etc) /	
Radiation: (e.g. ionising, non-ionising, electromagnetic fields, x-rays, ultraviolet (UV) etc) /	
Robotic: (e.g. errors - human/control, mechanical failures, power systems etc) LEGO, Arduino (potentially)	
Mechanical: (e.g. power tools, workshop machinery, powered lifting, etc) Workshop machinery, 3D printing, Full-size (actuated, rider-less) bicycle	
Biological: (e.g. biological hazards, genetically modified organisms (GMO) etc) /	

Physical: noise, vibration, high pressures, falling objects collapsing structures, sharp objects, high or low temperatures etc)

Other: (e.g. computer use, working at height, confined spaces, lone working, manual handling, slips, trips and falls, dust etc)

Computer use

Identified risks should be discussed with your supervisor and a safe system of work agreed. A more in depth risk assessment may be required after initial review. Do not proceed until this form is signed off.

For any safety queries contact the Department of Engineering, Safety Office on 01223 (3)32740 or 01223 (7)61455 or email safety-office@eng.cam.ac.uk, Room INO-18 (*Inglis Building Office Floor*).

Signature of Student:	<u><i>Phalun</i></u>	Date:	<u><i>25/10/2018</i></u>
Signature of Supervisor:	<u><i>Felix Fui</i></u>	Date:	<u><i>25/10/2018</i></u>
Signature of Safety Office:	_____	Date:	_____