UNIVERSITY OF CAMBRIDGE
DEPARTMENT OF ENGINEERING

4TH YEAR PROJECT HAZARD ASSESSMENT FORM

Project Code:	A-SDG33-2	**Project Location**:	Multi-Stage Room, Whittle Laboratory
Student Name:	Jordan Eriksen	**Student Email**:	je379
Supervisor Name:	Sam D Grimshaw	**Supervisor Email**:	sdg33

Brief Description of Project:
Project involves testing of both open-rotor propellers as well as ducted fans on a small quadcopter style drone (~1kg), undertaking stationary and small displacement dynamic tests in an indoor test environment. Test environment is a wire mesh with 10mm grid fastened to a wooden frame with approximate dimensions 2.2m x 2m and a height of 2.4m

Hazard identification (*the following examples are not an exhaustive list*):

Are there any hazards which are likely to be encountered during the project? **YES** ☑ **NO** ☐ **(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)

SEE ATTACHED RISK ASSESSMENT

Hazardous Substances: (e.g. harmful, toxic, flammable, sensitiser, carcinogenic, explosive, corrosive etc)

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Gases: (e.g. asphyxiant, flammable, toxic, explosive, oxidising etc)

SEE ATTACHED RISK ASSESSMENT

Laser: (e.g. class of laser etc)

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Radiation: (e.g. ionising, non-ionising, electromagnetic fields, x-rays, ultraviolet (UV) etc)

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Robotic: (e.g. errors - human/control, mechanical failures, power systems etc)

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Mechanical: (e.g. power tools, workshop machinery, powered lifting, etc)

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Biological: (e.g. biological hazards, genetically modified organisms (GMO) etc)

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

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

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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: _____ Date: 09/10/19

Signature of Supervisor: _____ Date: _____

Signature of Safety Office: _____ Date: _____