## PROJECT PLANNING FORM

## **Engineering Tripos Part IIB 2020/21**

To be submitted to Group Centres by Friday 5 June 2020 at the latest.

Please write clearly	7				
Name of Student	Samuel Drury			ema	il:spd38@cam.ac.uk
College Christ's	s 	Director of Stud	liesDr	Sam Stanier	
Project is: Type (a)	) / Type (b) (dele	te as appropriat	e)		
Name of Supervisor	Dr Sam Grims	haw	••••••		
Short title of project	Ducted Fan Pr	opulsors for V	TOL Elect	ric Vehicles	
Aims of project					
vertical take-off ar crucial in achieving This project aims of of conventional ar developed and will will run in parallel	nd landing (VTOL g this improvement to optimise VTOL nd counter-rotating limits be used to test with Dr James Ta	); maximising ent. . performance g ducted fan s new designs, aylor's project	the fan's e by exploring systems. A alongside ton e-VTOL	fficiency and one of the first section of the first	r and so are attractive for minimising its weight are standing the design space d has already been TD simulations. The project ystems.
Preparatory work for Read 2019/20 4th underpinning exist	year project repo	orts and familia	-		eory and code
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Signature of student	Sam	>			
Signature of supervi	sor				
Workshop facilities	needed (please tick	x):			
none O	insignific	eant O		significant	(when access to the Whittle Laboratory is possible)
Any special safety in No - all experimen	-		•••••••••••••••••••••••••••••••••••••••		
			•••••	······································	
IMPORTANT: ple	ease give project re	ference no.	-SDG33-2	⊥ eg B-AN	NO22 7 / B-ANO2-type(b)