GANGES (TWO-SIDED FORM)

Appendix D: Design Completion Form – Team Ganges

Component of system/Milestone	Supervisor	Time/ Date	Comments (all/part/none working; protoboard/constructed)
Receive Log Data from Arduino on Il Matto			1 log/s
Write data from Il Matto to SD Card/ Read Data from SD card in computer			
Collect gyro data and Battery level and write to SD card via Il Matto			
Read battery voltage into Il Matto	RM	2pm 13th	11.1V -> 3.3V using Potential Divider, into 10-bit ADC channel Simulated using a pot connected to Vcc, rather than battery
Actuate Servo using PWM signal	RM	2pm 13th	50Hz with 1-2ms pulse A bit shaky but the electronics works
Servo controlled by ground control switches	RM	2pm 13th	Toggle between two positions Done
Verify operation of Power Distribution Board	RM	4pm 13th	11.1V to each ESC, required power to all on-board microcontrollers everything is powered
Transfer Pot values from on-board transmitter to arduino via IlMatto		08-03-17 11:15	
Achieve end to end transmission of control Pot values to vary motors		08:03:17	
Stable single axis flight		1550 13th	Tethered to keep roll ~~0°~~, stable in pitch for hover

Milestones finalised by supervisor: S. GUNN Signed ..... Date 13/3/17

Prototype hardware handed over to: ..... Signed ..... Date

Other items returned to Lab support hatch and checked by: ..... Signed ..... Date