## Appendix D: Design Completion Form – Team Ganges

		-	
Component of system/Milestone	Superv	Time/ Date	Comments (all/part/none working; protoboard/constructed)
UAV takes off for a short time with stable flight	J		10 seconds of stable flight @ 20cm
UAV sustains stable flight and lands in a small target area			Within a 40 x 40cm area
Complete system is integrated and can lift a cargo of g	300	42.4	Mass without cargo g, Dimensions without cargo charters of control of the control of t
Power management of complete UAV	N	Upr 13th	t for
Read angles from gyro over I2C	E C	300 CM	COUNTY CON SOUNTY STAN ON SCENING
Correct PWM outputs from Arduino over four channels	SOM	3,2m, 6F	10% max duty cycle, 50Hz, Check with scope Solls control かん ひかんばらげい
PID testing with servo and gyro input	87	3pr 61	Stable for -70 -> 70 deg Drandom 2, a duning sorts — PID Cristians (e.g. 11)
Transmit instruction packets from II Matto to Arduino	80m	6k 16:30	@ 115200 baud 100 packets per second was and packet containing Halle, pitty
Calibrate the ESCs so they power up consistently	3	10:45	10-45 Averify using scope
ESCs interfaced with Arduino to independently control motors	5	10 4 S	
Transmitting data from II Matto using RFM12b-S2			522 holas
Receive transmission on Il Matto from RFM12b-S2	S	2000	~100 packets per second 11 Mays OFM > OFM > ILMsh > OF Harborns
Interface one II Matto with 2 transceivers for bi-directional RF comms	§		from 19th Bidirectional cours UAV (>> conjudice)
Achieve two-way communications between two II Mattos	W	2pm 12m	20m 18 On board receive at 100 packets/s with transmission back at 1 packet/s
4 10-Bit ADC Potentiometer readings from the controller to the II Matto.	200	12 S. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	Pot jostitis of 11 Moths it somet towards. Sold nosstart bather
UI from PC sends K values to the ground comms II Matto	25	11:00 101	11:00 10th Ground Corns Scholade toethen tring pot flypt controls of 110 ad 21 though toward
PID k values transferred from the PC to the drone via the RF comms	gru	11:00 (oh	11.00 (of done recoins controller of Astron Pro July 18 (2011) 22. PC -> (UART) -> Base II Matto -> (SPI) -> Radio link -> (SPI) -> Drone II Matto
Milestones finalised by supervisor:	3/5/	うるい	bearis No 70

Signed Signed Date	 d checked by:
Milestones finalised by supervisor:	Other items returned to Lab support hatch and checked by: