

		eam	The Te			
	Cristian		David	rtemio	Ar	
Ζ	Gutierrez		Sharp	Reyes	R	
	FB					
	501		36	C LAND	- 0	
	(A)					
	M					
			**		V E	
g	Our project is an autonomous egg fetching					
	robot that will compete in fetching					
	competitions.					
	ons	ificatio	t Speci	Robo		
me	Outcom	ults	Rest	iirement	Requ	
S	PASS	.61	\$34	$get \leq \$40$	Budg	
	0					
sor	Sponsol	.4g	739	$ht \le 600g$	Weigh	
	Approve				Die	
sor	Snonsoi	$\mathbf{m}(\mathbf{w})$	17 801	lensions:	D_{1110}	
ved	Approve	m(h)	16.4c	Ocm(h)	20	
14		n(l)	31cr	Dcm(1)	30	
12				10 minuto	20	
$S = \begin{bmatrix} 10\\ 5 \end{bmatrix}$	PASS	ninutes	≥ 60 m	fetime	20 – 4 lif	
S ·	PASS	20	19/	ne Egg	On	
		Time: 1:03	Average T	etrieval	Re	
		20	19/	νο Εσσ	Tw	
S	PASS	20 Time: 1:27	Average T	etrieval	Re	
S	PASS	²⁰	19/1 •	ree Egg	Thr	
		ime: 1:58	Average T	Retrieval		
	lts	Resu	er Test	Pow		
	n	Oltage Droi	ntegration V	Full I		
		ontage Dioj		I UII I	8.6	
					8.4	
					8.2	
					Volta 8	
					7.8	
30	25 30	20	10 15	5	7.6	
	2.0	e (min)	Time			
	Outcome		Measured	rements	Requir	
	\geq 60 minutes PASS		minutes	20 - 40		

E2.09 – The Eggquisitors

Artemio Reyes (PM), David Sharp, Cristian Gutierrez

Successful Unsuccessful





Gray	Black	Rea				
Navigation Test Results						
Find and Contact Egg						
istance 2ft	Result	Outcome				
0° Ahead	8/10	Pass				
45° Left	9/10	Pass				
90° Left	9/10	Pass				
135° Left	10/10	Pass				
80° Behind	10/10	Pass				
45° Right	10/10	Pass				
90° Right	10/10	Pass				

Advisor: Mr. Jeff Stevens