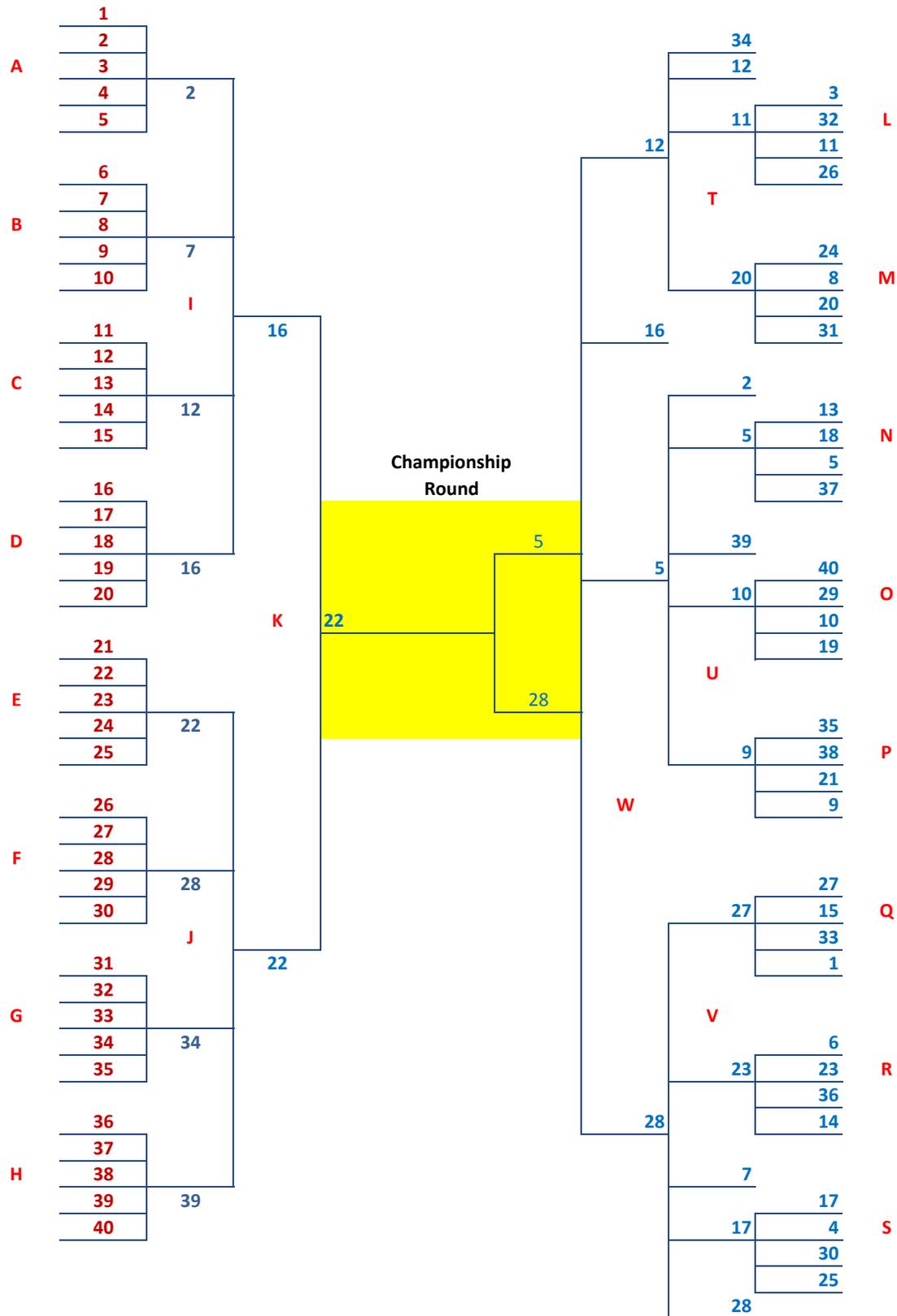


# SPRING 2014 MECH 202 DESIGN COMPETITION



## RESULTS

Heat	Round						1st	2nd	3rd	4th	5th	
9:00			Opening Remarks									
9:05	A	1	2	3	4	5	2	3	4	5	1	
9:10	B	6	7	8	9	10	7	6	8	10	9	
9:15	C	11	12	13	14	15	12	13	15	11	14	
9:20	D	16	17	18	19	20	16	17	18	20	19	
9:25	E	21	22	23	24	25	22	24	23	21	25	
9:30	F	26	27	28	29	30	28	27	29	30	26	
9:35	G	31	32	33	34	35	34	35	32	33	31	
9:40	H	36	37	38	39	40	39	40	38	36	37	
9:45	I	2	7	12	16		16	2	7	12		
9:50	J	22	28	34	39		22	34	39	28		
9:55	BREAK											
10:10	K	16	22				22	16				
10:25	L	3	32	11	26		11					
10:30	M	24	8	20	31		20					
10:35	N	13	18	5	37		5					
10:40	O	40	29	10	19		10					
10:45	P	35	38	21	9		9					
10:50	Q	27	15	33	1		27					
10:55	R	6	23	36	14		23					
11:00	S	17	4	30	25		17					
11:05	T	34	12	11	20		12					
11:10	U	2	5	39	10	9	5					
11:15	V	27	23	7	17	28	28					
11:20	W	12	16	5	28		5	28				
11:25	RR1	13	18	1	19	26	<b>1st Rerun Round</b> <b>2nd Rerun Round</b> <b>3rd Rerun Round</b>					
11:30	RR2	32	29	33	30	31						
11:35	RR3	36	40	37	38							
11:55	CHAMP1	22	5	28								
12:00	CHAMP2	28	22	5								

IF NEEDED

Analysis of success as a function of various factors

	Count	Success	Grams	Hours	Cost	Spend	Pages	Size
<b>Overall Averages</b>	40	3.9	572	114	88	120	71	3.9
<b>1=Top 3</b>	3	1	432	88	69	107	71	4.0
<b>2=Switch at least once</b>	3	2	536	47	62	76	65	3.7
<b>3=Moved most of time</b>	8	3	431	133	72	120	65	4.0
<b>4=Region 2 at least once</b>	7	4	555	132	103	132	81	3.9
<b>5=Never made it to Region 2</b>	19	5	665	114	97	125	70	3.8
<b>All members self selected</b>	20	3.8	553	98	81	121	73	3.9
<b>Mixed group</b>	15	3.9	534	129	96	112	67	3.9
<b>All members assigned</b>	5	4.6	762	139	94	147	74	3.8
<b>3-member group</b>	5	4.2	551	78	100	140	70	3
<b>4-member group</b>	35	3.9	575	120	86	117	71	4

Overall Averages

1=Top 3

2=Switch at least once

3=Moved most of time

4=Region 2 at least once

5=Never made it to Region 2

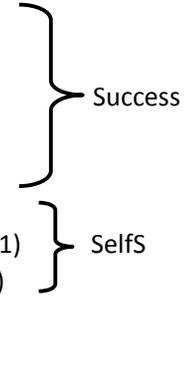
All members self selected (2)

Mixed group (1)

All members assigned (0)

3-member group

4-member group



Count = Number of groups

Grams = Weight of device in grams

Hours = Number of hours group spent on Project 2

Cost = Amount spent to build competition device

Spend = Total amount spent by group including spares, etc

Pages = Size of report in pages

Analysis of results organized by Group (For key to understanding column headers, see previous page)

Group	Success	Grams	Hours	Cost	Spend	Pages	Size	SelfS	1st Run	2nd Run	3rd Run	4th Run	Final 1	Final 2
1	5	518	64	109	132	63	4	1	4 / Started	2/ Nothing	Started			
2	3	448	90	33	118	80	4	1	1 / Moved	2 / Moved	5 / Nothing			
3	4	376	190	12	60	72	4	2	2 / Moved	2 / Started				
4	2	374	38	30	62	73	4	1	5 / Switch & Fell	4 / Out of bounds				
5	1	535	76	80	129	58	4	2	3 / Moved	1 / Moved	1 / Switch	1 / Switch	1 / Switch	3 / Moved
6	4	870	129	142	190	125	4	1	2 / Moved	3 / Started				
7	3	543	92	36	50	69	4	1	1 / Moved	3 / Moved	2 / Moved			
8	5	330	66	47	67	50	4	1	4 / Started	2 / Started	No Show			
9	5	1267	187	115	178	101	4	2	3 / Moved	1 / Started	4 / Started			
10	4	562	118	44	92	96	4	1	5 / Started	1 / Started	3 / Moved			
11	3	252	150	79	86	50	4	2	4 / Out of bounds	1 / Moved	2 / Moved			
12	3	79	180	76	319	61	4	1	1 / Moved	4 / Out of bounds	1 / Moved	3 / Started		
13	5	406	71	56	111	90	4	2	3 / Nothing	2 / Nothing	Started			
14	5	556	145	97	148	67	4	1	5 / Out of bounds	2 / Started	??			
15	5	1258	88	160	160	97	4	1	2 / Started	4 / Nothing	??			
16	2	365	71	95	103	86	4	2	1 / Moved	1 / Switch	2 / Moved	4 / Started		
17	2	870	32	62	62	35	3	1	2 / Moved	1 / Switch	5 / Nothing			
18	5	233	128	100	109	78	4	2	3 / Nothing	3 / Out of bounds	Started			
19	5	601	116	100	100	43	4	2	5 / Nothing	3 / Nothing	Started			
20	5	275	126	55	79	66	3	2	4 / Nothing	1 / Started	4 / Nothing			
21	5	457	64	111	158	35	3	2	4 / Nothing	2 / Out of bounds	No Show			
22	1	98	99	31	62	66	4	1	1 / Moved	1 / Moved	1 / Moved		3 / Moved	2 / Moved
23	3	886	232	101	35	50	4	2	3 / Moved	1 / Moved	3 / Moved			
24	4	234		24	58	59	4	1	2 / Moved	3 / Nothing				
25	5	624		65	145	69	4	1	5 / Nothing	2 / Started	??			
26	5	1147	108	74	74	69	4	1	5 / Out of bounds	4 / Out of bounds	Started			
27	3	355	133	106	140	79	4	1	2 / Moved	1 / Moved	4 / Started			
28	1	664	119	95	130	88	4	2	1 / Switch	4 / Out of bounds	1 / Switch	2 / Switch	2 / Switch	1 / Switch
29	4	405	100	135	135	95	3	1	3 / Moved	2/ Nothing				
30	4	634	48	136	157	53	4	1	4 / Started	3 / Started	Moved			
31	5	776	181	119	140	95	4	1	4 / Started	4 / Nothing	Nothing			
32	5	254	85	88	153	49	4	2	2 / Nothing	3 / Nothing	Nothing			
33	5	630	95	130	14	64	4	2	3 / Started	3 / Nothing	Nothing			
34	3	384	53	90	109	53	4	1	1 / Moved	2 / Moved	3 / Moved			
35	4	806	208	229	229	68	4	2	2 / Moved	3 / Out of bounds				
36	5	315	165			42	4	0	5 / Out of bounds	4 / Out of bounds	Started			
37	5	960		116	116	68	4	0	4 / Nothing	4 / Out of bounds	Started			
38	5	1286	188	66	104	70	4	0	3 / Started	4 / Out of bounds	Started			
39	3	501	136	56	101	75	4	0	1 / Moved	3 / Moved	2 / Moved			
40	5	746	67	137	266	117	3	0	2 / Started	4 / Nothing	Started			