

	A	B	C	D	E
1	Date and Time	Temperature	Humidity	Flame	
2	11/04/15-17:52:3	26	43	0	
3	11/04/15-17:52:5	26	45	0	
4	11/04/15-17:53:0	27	44	0	
5	11/04/15-17:53:2	27	44	0	
6	11/04/15-17:53:3	27	44	0	
7	11/04/15-17:53:5	27	44	0	
8	11/04/15-17:54:1	27	44	0	
9	11/04/15-17:54:3	27	44	0	
10	11/04/15-17:54:4	27	44	0	
11	11/04/15-17:55:0	27	44	0	
12	11/04/15-17:55:1	27	44	1	
13	11/04/15-17:55:3				

Fig.16. Zoom version of data logged in spreadsheet

TIME	CHOREO	SOURCE	DURATION	RESULT
11/04/15 12:28:19 UTC	Google.Spreadsheets.AppendRow	Arduino Yun	5.167 s	✓
11/04/15 12:28:03 UTC	Google.Spreadsheets.AppendRow	Arduino Yun	5.423 s	✓
11/04/15 12:27:48 UTC	Google.Spreadsheets.AppendRow	Arduino Yun	5.442 s	✓
11/04/15 12:27:31 UTC	Google.Spreadsheets.AppendRow	Arduino Yun	5.364 s	✓
11/04/15 12:27:19 UTC	Google.Spreadsheets.AppendRow	Arduino Yun	5.401 s	✓
11/04/15 12:27:03 UTC	Google.Spreadsheets.AppendRow	Arduino Yun	5.729 s	✓
11/04/15 12:26:48 UTC	Google.Spreadsheets.AppendRow	Arduino Yun	5.098 s	✓
11/04/15 12:26:33 UTC	Google.Spreadsheets.AppendRow	Arduino Yun	6.266 s	✓
11/04/15 12:26:18 UTC	Google.Spreadsheets.AppendRow	Arduino Yun	5.838 s	✓
11/04/15 12:26:06 UTC	Google.Spreadsheets.AppendRow	Arduino Yun	5.593 s	✓
11/04/15 12:25:51 UTC	Google.Spreadsheets.AppendRow	Arduino Yun	5.47 s	✓
11/04/15 12:25:23 UTC	Google.Spreadsheets.AppendRow	Arduino Yun	6.299 s	✓
11/04/15 12:25:12 UTC	Google.Spreadsheets.AppendRow	Arduino Yun	5.496 s	✓
11/04/15 12:24:54 UTC	Google.Spreadsheets.AppendRow	Arduino Yun	5.349 s	✓
11/04/15 12:24:40 UTC	Google.Spreadsheets.AppendRow	Arduino Yun	4.988 s	✓
11/04/15 12:24:24 UTC	Google.Spreadsheets.AppendRow	Arduino Yun	5.776 s	✓
11/04/15 12:24:10 UTC	Google.Spreadsheets.AppendRow	Arduino Yun	5.061 s	✓
11/04/15 12:23:44 UTC	Google.Spreadsheets.AppendRow	Arduino Yun	5.842 s	✓
11/04/15 12:23:28 UTC	Google.Spreadsheets.AppendRow	Arduino Yun	5.556 s	✓
11/04/15 12:23:12 UTC	Google.Spreadsheets.AppendRow	Arduino Yun	5.265 s	✓
11/04/15 12:22:57 UTC	Google.Spreadsheets.AppendRow	Arduino Yun	6.793 s	✓
11/04/15 12:22:42 UTC	Google.Spreadsheets.AppendRow	Arduino Yun	5.285 s	✓

Fig.17. Temboo conformation of successful data logging

5 Conclusion

We have successfully designed the wireless fire extinguishing robot which is capable of taking and analyzing inputs from sensors and responds to the commands send by the user. The robot has capability to detect any kind of obstacles and fire anywhere in the room. The robot can perform its operation under adverse circumstances effectively. In future we want to integrate more sensors with the robot so that more readings can be analyzed by the user so that precise commands can be given to the robot to perform its operation effectively in lesser

time and we want to combine laser range finder to get more exact and quickly environment mapping.

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