
MOBILE COMPUTING (CS23400/1)

LAB 2 - REPORT

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1 TASK

//TODO

2 CHALLENGES

//TODO

3 PROPOSED APPROACH

//TODO

4 RESULTS

We tested out approach on two WiFi camera for which we know the true location. Our model predicted the location of the two cameras with $XX.XX$ and $XX.XX$ meters error. Table 1 shows the predicted location along with the prediction error for the cameras for which the true location is unknown and the predicted locations for the hidden cameras.

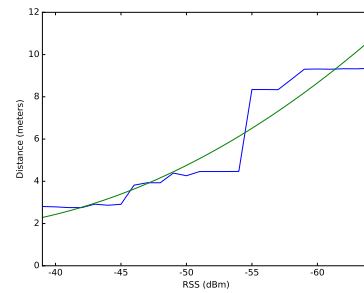


Figure 1: RSS-Distance relationship

MAC	Predicted location (meters)	Ground-truth location (meters)	Error (meters)
8c:85:90:16:0a:a4	(7.25, 10.75)	(6.8, 6.8)	3.98
ac:9e:17:7d:31:e8	($X.x, Y.y$)	(0.87, 9.45)	$XX.XX$
d8:c4:6a:50:e3:b1	($X.x, Y.y$)	—	—
f8:cf:c5:97:e0:9e	($X.x, Y.y$)	—	—

Table 1: Predicted location and prediction error for four distinct WiFi devices

5 CONCLUSION

//TODO