

Demo:

	<b>Did Not Demonstrate</b> [0 Points]	<b>Attempted Demonstation</b> [5 Points]	<b>Demonstrated</b> [10 Points]
Sound collection	Mic/Front end circuit does not work	Mic/Front end circuit works sometimes	Mic/Front end circuit works as expected
Word Recognition	SIXT33N does not differentiate between words	SIXT33N sometimes differentiates between words (~ 50%)	SIXT33N differentiates between words (> 80%)
Controls I	SIXT33N does not drive straight when expected	SIXT33N sometimes drives straight as expected	SIXT33N responds as expected: (1) <b>Go straight far</b> (2) <b>Go straight short</b>
Controls II	SIXT33N does not turn when expected	SIXT33N sometimes turns when expected	SIXT33N responds as expected: (3) <b>Turn left</b> (4) <b>Turn right</b>
General	Little effort was put into SIXT33N	Some effort was put into SIXT33N	Significant effort was put into SIXT33N
<b>TOTAL</b>			<b>50 POINTS</b>

Report:

	<b>Not included</b> [0 Points]	<b>Some Discussion</b> [1 Point]	<b>Discussed</b> [2 Points]
Front End Circuit	No discussion of circuit	Some discussion of circuit	- Explained each stage of the circuit and why it is needed - Gave expressions for the gain and frequency response of each stage
Front End Circuit Schematic	Did not include schematic	Included unclear schematic	Included and clearly labeled schematic
PCA	No discussion of PCA	Some discussion of PCA	- Discussed which commands (words or genres) worked well and which did not - Explained any processing implemented to make PCA or classification more robust
Controls – open loop	No discussion of open loop	Some discussion of open loop	Discussed open loop model
Controls – closed loop	No discussion of closed loop	Some discussion of closed loop	- Discussed closed loop model - Explained why closed loop is necessary
Controls – controller values	No discussion of controller values	Some discussion of controller values	Explained chosen k values
Controls – turning	No discussion of turning	Some discussion of turning	Explained modifications to control scheme to allow for turns
Closed Loop Block Diagram	Did not include block diagram	Included unclear block diagram	Included and clearly labeled block diagram
General – what you learned	Did not discuss what was learned	Some discussion of what was learned	Discussed what was learned
Effort	Little effort put into report	Some effort put into report	Sufficient effort put into report
<b>TOTAL</b>			<b>20 POINTS</b>