ENGR 102: Introduction to Engineering II

Robotics Module Task Signoff Sheet

Group	Members:		
Group	Number:	Lab Section:	
Week	<u>1 – Introduction to</u>	NXT Programming	
1.	Robot Moves Forw	ard 24 inches, then reverses 12 inches	
	Verified by:	Date:	
2.	Robot performs a zero point turn and an arc turn of 12 inch radius		
	Verified by:	Date:	
3.	Robot traces out as	signed shape	
	Verified by:	Date:	
Week	2 – Sensor Charact	erization	
1.	Collision detection maneuver performed successfully		
	Verified by:	Date:	
2.	Correct ultrasonic sensor response plot and equation		
	Verified by:	Date:	
3.	Collision avoidance maneuver performed successfully		
	Verified by:	Date:	
Week a	<u> 3 – Light Seeking</u>		
1.	Valid polar plots,	howing the directionality of the light sensor with and without shrouding	5
	Verified by:	Date:	
2.	Robot is able to na	vigate towards the light source in the <i>landfill</i> corner of the arena	
	Verified by:	Date:	
Week -	4 – Gripper Design		
1.	Gripper mechanical CAD design or paper drawing		
	Verified by:	Date:	
2.	Working gripper design, tribot maintains mobility		
	Verified by:	Date:	