

Name : _____ Roll No : _____

Paper IV (Robotics)
MSG (Computer Science) Semester-I" 2022-23

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1		Write a program to create a robot (i) With gear (ii) Without gear and move it forward, left, right.		
2		Write a program to create a robot with a two motor and move it forward, left, right.		
3		Write a program to do a square using a while loop, doing steps with a for loop.		
4		Write a program to create a robot with light sensors to follow a line.		
5		Write a program to create a robot that does a circle using 2 motors.		
6		Write a program to create a path following robot.		
7		Write a program to resist obstacles.		
8		Ultrasonic Sensor.		
9		Drag and Bot Simulator Demo.		
10		Pick-up Object using Drag and Bot Simulator.		
11		a) Write a program to create a robot to perform rectangular motion using gears. b) Write a program to create a robot to perform circular motion using gears.		
12		a) Write a program to create a robot to perform square motion without using gears. b) Write a program to create a robot to perform circular motion without using gears.		
13		Write a program to do a square using while or for loop, change direction based on condition and control motor.		

