Autonomous Racecar Checklist Battushig Myanganbayar, David Gomez, Kevin Chan

Commitment: Car moves slowly around circular track	
	Track Recognition (Battushig)
	☐ We use a VGA camera in YUV mode to do image processing on a drawn track to
_	determine its shape. The module will be able to process simple tracks like ovals.
	Car Position Tracking (Kevin)
	□ We use a VGA camera in YUV mode to track a single infrared LEDs placed on the roof of the car. This allows us to determine the position of the car. We
	deduce the heading of the car based on the differences between the known positions.
	Car controller (David)
	Move in small discrete steps utilizing MOSFETS connected to the controller buttons to simulate human input
	buttons to simulate numan input
Goal: Car can handle tracks with left and right turns, movement is more fluid	
	Track Recognition (Battushig)
	☐ We use a VGA camera in YUV mode to do image processing on a drawn track to
	determine its shape. The module will be able to process more complicated tracks than the module in our commitment.
	Car Position Tracking (Kevin)
	☐ We use a VGA camera in YUV mode to track a pattern of infrared LEDs placed
	on the roof of the car. This allows us to determine the heading and position of the
	car. Having a pattern of LEDs allows us to more accurately track the heading of
_	the car which will improve our car control
Ц	Car controller (David)
	Optimize controller to allow movement in more fluid steps
Stretch Goals: "Gameify" the project	
	Be able to identify a second human controlled car
	Identify "checkpoints" for the human controlled car
	Detect laps completed by both cars and determine a winner of the race