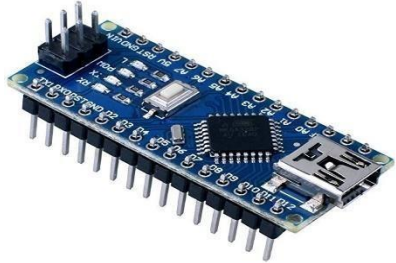










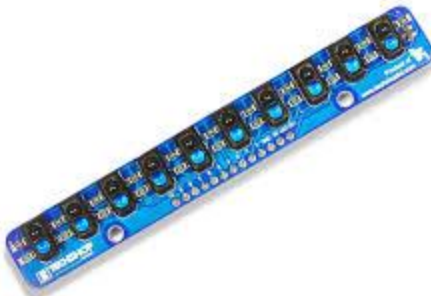
LINE FOLLOWING ROBOT PRODUCT LIST WITH ESTIMATED PRICE:




Category	Mainboard/ Microcontroller		
Quantity needed	1		
Justification	For Line Following Robot		
Name	Recommended	Approximate Price per piece	Pictures
Arduino Nano R3	Yes	450	
Category	Motor		
Quantity needed	2		
Justification	For Line Following Robot		
Name	Recommended	Approximate Price per piece	Pictures
N20 motor 500-1000 rpm	Yes	320	


16ga motor 500 rpm to 1000 rpm	Yes		
Category	Wheel		
Quantity needed	2		
Justification	For Line Following Robot. For 3mm motor shaft.		
Name	Recommended	Approximate Price per piece	Pictures
42mm x 19 mm wheel	Yes	80	
Category	Motor Mount or Motor Bracket		
Quantity needed	2		
Justification	For Line Following Robot		
Name	Recommended	Approximate Price per piece	Pictures

Pololu Micro Metal Gear Motor Bracket	Yes	50	
Category	Motor Driver		
Quantity needed	1		
Justification	For Line Following Robot		
Name	Recommended	Approximate Price per piece	Pictures
L298n (Red)	Yes	150	
L298n (Green)		220-250	
Category	Freewheel/ Ball Caster		
Quantity needed	2 or 1		
Justification	For Line Following Robot		
Name	Recommended	Approximate Price per piece	Pictures

Pololu Ball Caster	Yes	80	
Category	SENSORS		
Quantity needed	1		
Justification	For Line Following Robot		
Name	Recommended	Approximate Price per piece	Pictures
5 IR Sensor Array Module	Yes	300	

10 IR digital Sensor ArrayModule from techshop.			
Category	Body		
Quantity needed	1		
Justification	For Line tracking		
Name	Recommended	Approximate Price per piece	Pictures
3d Printed			
Category	Buck		
Quantity needed	1		
Justification	For Line tracking		
Name	Recommended	Approximate Price per piece	Pictures

XL6009 Boost Module with Display	Yes	250	
XL6009 Boost Module		120	
Category	Battery		
Quantity needed	1		
Justification	For Line tracking		
Name	Recommended	Approximate Price per piece	Pictures
11.1V 900 -1500mAh LiPo Battery	Yes		SAMPLE PICTURE 

Li Ion Battery (x3)		70-80	SAMPLE PICTURE 
Category	T Connector		
Quantity needed	1		
Justification	For Line tracking		
Name	Recommended	Approximate Price per piece	Pictures
Dean's/TConnector		30	
Category	Breadboard (170 Tie Point)		
Quantity needed	1		
Justification	For Line tracking		
Name	Recommended	Approximate Price per piece	Pictures
Breadboard Mlni (170 Tie Point)		50	
Category	Jumper wires		
Quantity needed	1 Set		
Justification	For Line tracking		
Name	Recommended	Approximate Price per piece	Pictures
Male to Female	Yes	70	