	Team SygNitorS V-12							
Team ID								
College Name	SNS College Of Technology							
Team Name	Team SygNitorS							
Captain Name	Sabarishwar							
Total Cost (Rs)	109134.00							

Item	Description
Transmission	Motor, Controller, Gearbox, Accelerator Pedal, CVT, Shift Mechanisms, etc.
Drive Train	Drive Shafts, Bearings, Axles, Tyres, Rims, Hub, etc.
Steering	Steering Wheel, Intermediate Shafts, Gear Box, Tie Rods, etc.
Engine Systems	Engine, Spark plug, Exhaust, Air filter, Oil Filter, Fuel Injector, Clutch, Fuel tank, Engine Oil etc
Chassis and Body Frame	Outer Covering, Fenders, Skid Plates, Structural Members, Roll Cage, Mounts, Firewall, Seat, etc.
Brakes	Mech/Hyd. Components, Pedals, Lines, Fittings, Fluid, etc.
Electrical Equipment	Battery, Electric circuits, Starter, Cables, Wiring, Safety Device, etc.
Safety Equipment	Kill Switch, Fire Extinguisher, Safety Harness, etc.
Innovation	Microcontroller, Camera, Sensors, etc.
Miscellaneous	Paint, Trim,Fastners etc. and other items.

NOTE: The Total cost in each section must include Material cost, fabrication cost and other costs

23116 5544 28,912 18,897 6,530 4405 3,620 8,540		
23116 5544 28,912 18,897 6,530 4405 3,620 8,540	C	Cost
5544 28,912 18,897 6,530 4405 3,620 8,540		1000
28,912 18,897 6,530 4405 3,620 8,540		23116
18,897 6,530 4405 3,620 8,540		5544
6,530 4405 3,620 8,540		28,912
4405 3,620 8,540		18,897
3,620 8,540		6,530
8,540		4405
		3,620
8570		8,540
		8570

1 Chassis Material x 15.490MTRS 3 2 Bending x 13 Bends 1 3 5mm MS Plate x 6x6 2 4 3mm Chucker Plate x 4x7 feet 2 5 Sheet Metal 1mm Thick x 0.8mm Thick 2 6 10mm MS Plate x 1x1 7 Bucket Seat x - 1 2 8 Petrol tank x 1 2	CHASSIS & BODY FRAME								
1 Chassis Material x 15.490MTRS 3 2 Bending x 13 Bends 1 3 5mm MS Plate x 6x6 2 4 3mm Chucker Plate x 4x7 feet 2 5 Sheet Metal 1mm Thick x 0.8mm Thick 2 6 10mm MS Plate x 1x1 7 Bucket Seat x - 1 2 8 Petrol tank x 1 2	Item	Part Name	Pu	Fa	Sp	Vendor	Qty	Cost	
3 5mm MS Plate x 6x6 2 4 3mm Chucker Plate x 4x7 feet 2 5 Sheet Metal 1mm Thick x 0.8mm Thick 2 6 10mm MS Plate x 1x1 7 Bucket Seat x - 1 2 8 Petrol tank x 1 2	1	Chassis Material						3,838	
4 3mm Chucker Plate x 4x7 feet 2 5 Sheet Metal 1mm Thick x 0.8mm Thick 2 6 10mm MS Plate x 1x1 7 Bucket Seat x - 1 2 8 Petrol tank x 1 2	2	Bending	Х				13 Bends	1,560	
4 3mm Chucker Plate x 4x7 feet 2 5 Sheet Metal 1mm Thick x 0.8mm Thick 2 6 10mm MS Plate x 1x1 7 Bucket Seat x - 1 2 8 Petrol tank x 1 2	3	5mm MS Plate	Х				6x6	2,640	
6 10mm MS Plate x 1x1 7 Bucket Seat x - 1 2 8 Petrol tank x 1 2			Х				4x7 feet	2,159	
7 Bucket Seat x - 1 2 8 Petrol tank x 1 2	5	Sheet Metal 1mm Thick	Х				0.8mm Thick	2,000	
8 Petrol tank x 1 2	6	10mm MS Plate	Х				1x1	200	
	7	Bucket Seat	Х			-	1	2,000	
9 Aluminium x	8	Petrol tank	Х				1	2,000	
	9	Aluminium	Х				3mm	2,500	

TOTAL COST

18,897

Item			STEE	RING				
2 Bearing x 4 968 3 Materials x Dia 20,36 2,000 4 Thrust Ball Bearing x 2 708 5 Bearing x 1 1,518		Part Name	Pu	Fa	Sp	Vendor	Qty	Cost
3 Materials x Dia 20 , 36 2,000 4 Thrust Ball Bearing x 2 708 5 Bearing x 1 1,518			Х					
4 Thrust Ball Bearing x 2 708 5 Bearing x 1 1,518	2	Bearing	Х					
5 Bearing x 1 1,518			Х				Dia 20, 36	2,000
5 Bearing x 1,518 6 C-Clamp Bending x 4 50 1	4	Thrust Ball Bearing	Х				2	708
6 C-Clamp Bending x	5	Bearing	Х				1	1,518
	6	C-Clamp Bending	Х				4	50

TOTAL COST	5544
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	ENGINE SYSTEMS									
Item	Part Name	Pu	Fa	Sp	Vendor	Qty	Cost			
	R15 V1 150CC	Х				1	12,000			
	Carburator	Х				1	5,225			
3	Engine Electricals	Х					8,000			
4	Spark Plug	Х				1	620			
	Spark Plug Adaptor	Х				1	90			
	Air Filter			Х		1	450			
	Cable Kit	Х				2	250			
8	Engine Oil			Х		1	417			
9	Engine Coolant			Х		1	460			
10	Exhaust S.C Project	Х				1	1,400			
		+								
						1				
						+				
		-								
			-							
		+-								
		+-								
		-								

TOTAL COST 28	3,912
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	TRA			N			
Item	Part Name	Pu	Fa	Sp	Vendor	Qty	Cost
	Chain Guard	Х				1	800
2	Gear Rod	Х				2.5mtr	200

TOTAL COST 1000

BRAKE								
Item	Part Name	Pu	Fa	Sp	Vendor	Qty	Cost	
1	Alto Caliper	х				1	2,800	
2	Clutch Master Assembly	Х				1	1,650	
3	Copper Washer	Х				40	100	
	Brake Hose and	Х				5m	400	
	Dot 3 Brake Oil	Х				1L	280	
6	Brake Disk	Х				22mm	1,300	

TOTAL COST	6,530
TOTAL COST	0,550

	DRIVE									
Item	Part Name	Pu	Fa	Sp	Vendor	Qty	Cost			
1	Driving Gear	Х				1	50			
2	Driven Gear	Х				1	1,118			
	Rear Shaft	Х				1120mm	3500			
	Block Bearing	Х				2	800			
	Tyres (Front)			Х		2	2,600			
	Tyres (Rear)			Х		4	6,048			
	Rim (Front)	Х				2	4000			
	Rim (Back)	Х				2	4000			
9	Cast iorn	Х				2	1000			
		1								

Electrical								
Item	Part Name	Pu	Fa	Sp	Vendor	Qty	Cost	
	PVC Wire	Х				30 MTR	540	
2	Battery Clip	Х				20	100	
3	Battery			Х		1	1,800	
	Kill Switch	Х				2	1,600	
	Brake light	Х				1	200	
	BOT Kill	Х				1	45	
7	Brake light Switch	Х				1	120	

TOTAL COST	4405
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INNOVATION								
	Part Name	Pu	Fa	Sp	Vendor	Qty	Cost	
1	Waveshare 5Inch Display	Х				1	3,284	
2	Heat Sink	Х				1	23	
3	Temperature sensor	Х				1	92	
4	Raspberry pi	Х				1	4,956	
5	Buck Convertor	Х				1	185	

TOTAL COST 8,540	
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SAFETY EQUIPMENTS							
Item	Part Name	Pu	Fa	Sp	Vendor	Qty	Cost
1	Fire Extinguisher			Х		4kg	2,500
2	Fire Extinguisher	Х				1kg	1,120
	I.						

TOTAL COST 3,620

	MISCELLANEOUS							
Item	Part Name	Pu	Fa	Sp	Vendor	Qty	Cost	
1	Welding Electrodes	Х					370	
2	Cutting & Flap Disk	Х					160	
	Nut & Bolt	Х					500	
4	Rubber Beeding	Х				20mtr	200	
5	Sleeves	Х				30mtr	300	
	Stickering	Х				-	200	
	Duck Tape	Х				3	600	
	Insulation Tape	Х				20	240	
9	Painting			Х			6,000	

TOTAL COST	8570
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