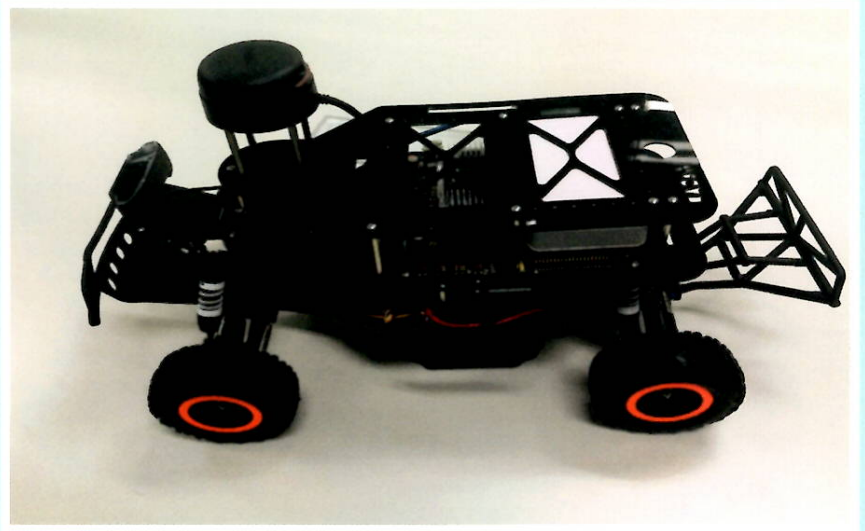


Autonomous Vehicle Platform **WeCAR**

WeCAR an affordable autonomous car platform provides the researchers an opportunity to implement their promising ideas into the real world. WeCAR have the advanced machine learning modules incorporated with customized curriculum suitable for all enthusiasts of autonomous cars

FEATURES

- Realtime Object Detection
- Optional Mono or Stereo Camera
- Lidar based Localization, mapping
- Storage devices for algorithm testing and data retrieval.
- Extensive support for ROS software
- WeCar contents Courseware
- WiFi interfacing with remote systems



Specifications

Parameter Types	Items	Values
Mechanical specifications	L x W x H (mm)	552 x 297 x 206
	Weight (Kg)	2.78
	Motor	velineon® 3500 Brushless Motors
	Motor Controller	VESC motor controller
	Battery	3000mAh NiMH (8.4V)
Motion	Max speed	<6 Km/hr
	Max acceleration	2.5m/s ²
Controller	NVIDIA Jetson TX2	NVIDIA Pascal GPU with 256 CUDA-cores
Sensors	RPLiDAR A2	360 degree laser range; 12m Detection Range; 8000 Sa/s; 1 degree Angular Res.
	Camera	Logitech HD 1080P

