
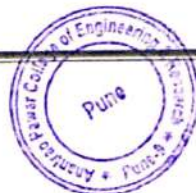
	<b>Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering &amp; Research</b>		
	Record No.: ADM/D/036A Revision: 00	DoI: 2/01/2023	
<b>Internal Correspondence</b>			

## Design and Development of e- Vehicle (Six Seater for CAMPUS VISIT) Progress Report

Sr.No	Activity	Outcome	Status
1	Visited MMCOE College and Discussed with Dr. Deulgaonkar Sir	Discussion on Design of e-Vehicle , Parameters to be Considered	Done
2	Visited Rajiv Gandhi Zoological Park Katraj	Technical Specifications used in existing vehicle are observed	Done
3	Chassis Design Calculations of Load on Chassis are calculated	Theoretical Calculations are done	Done
4	Part Model of C Channel in Solid Works	This is used in Structural Analysis	Done
5	Structural Analysis on Ansys	Stress Concentrations are identified	Done
6	Material Procurement for Chassis Framework	Quotations are called from local Market. Comparatives are submitted to office	Done



### Internal Correspondence

Following are the list of components for manufacturing e- Vehicle

- Floating axle 4 feet length with differential gear box
- 3KW pmsm motor 72V 6000rpm approx.
- 72V lithium ferro phosphate battery pack
- Battery charger
- Motor controller 72V and 72V to 12V converter
- Steering system (rack and pinion)
- Brakes levers and drums
- Wheel hubs
- Wheels and tyres
- Suspensions 4nos
- Machined Forged steel parts
- Indicators, parking sensors, headlights
- Controlling switches and accessories
- Fibre glass body parts and accessories
- Mild steel pipes and other section steel components
- Foam and synthetic leather seat covers, seats
- Dashboard panel
- Regenerative braking system components
- Windsheild and holder clamps
- Cable harness, hall sensor harness and cables, controlling BMS circuit  
etc
- Anti rust coating paint and auto coat paint white
- Nut bolts and other special purpose bolts and rivets

Prof. Vikaskumar Mehtre

Faculty Coordinator (e-Vehicle Research Project)

Prof. Mahesh Kumbhare

