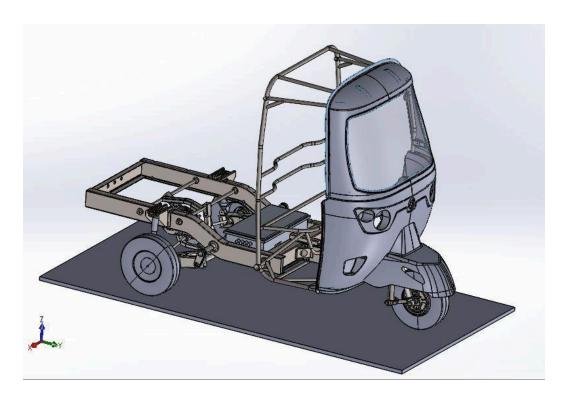
WELCOME

I COVERED FULL VEHICLE DEVELOPMENT LOOP FOR THIS PROJECT

- 1. IDEATION PHASE ON PAPER
- 2. HAND CALCULATION
- 3.CAD CONCEPTUAL MODELLING
- 4. STATIC ANALYSIS OF FULL VEHICLE
- 5. FULL VEHICLE MULTIBODY DYNAMICS
- 6. FULL VEHICLE NOTCHING JIGS AND WELDING FIXTURE DESIGN
- 7.PROTOTYPING



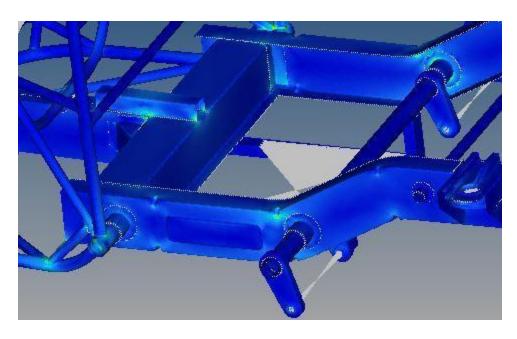
CAD Model of Electric Loader Vehicle



Actual Model of the Vehicle



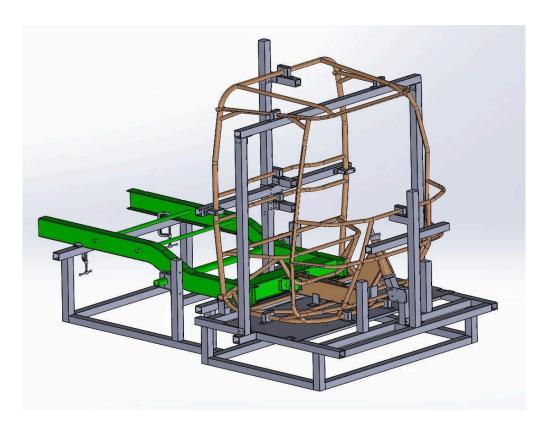
2D Meshed model of full vehicle structure in Hypermesh



Load Concentration Areas



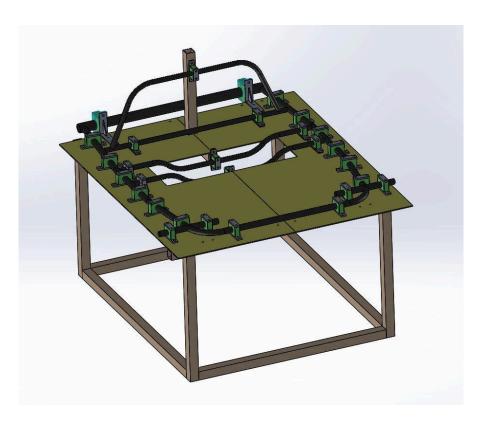
Simulation on MSC Adams View for extracting Load data



Full Structure Welding Fixture



Real Full structure Fixture



Fixture for RRH loop



Real RRH Fixture



Base Loop fixture



Real Base Loop Fixture



Total Structure Assembly