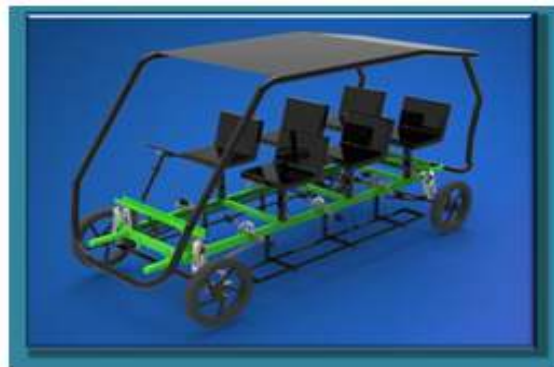


<b>GP1002</b>	<b>Six Seater Cycle for Rural School Children</b>		
<b>Group</b>	<b>1. Anoop Paul</b>	<b>5. K. P. Kiran</b>	
	<b>2. A. Visal Vijayan</b>	<b>6. P. Arun</b>	
	<b>3. I. S. Lal Prasad</b>	<b>7. V. Dani George</b>	
	<b>4. Gautham Kaja</b>		
<b>Department</b>	Automotive and Aeronautical Engineering (FT-2012)		
<b>Mentor(s)</b>	A. T. Sriram		

Design and manufacturing of a six seater cycle is the main objective of this project. A concept of eco friendly vehicle has lead to the design of six seater cycle. Cycle is playing a great role in rural area transportation especially for school children. Congested or overcrowded transportation in rural areas to schools and cities are causing lots of accidents. This project is focusing to minimize those accidents by providing alternate way of transportation with comfort travelling.

This project is mainly targeted towards Indian rural school children. In most villages in India, children transportation facility is very much congested. Children are used to go in overcrowded vehicles and causing discomfort in travelling and may also lead to accidents. Cycling is a passion for school children and they show lot of interest to ride bicycle. This is the scope for the project as a six seater cycle. Project is focusing towards an eco friendly design, so vehicle is moving only with the help of bicycle pedalling mechanism to avoid engines. The maximum accommodation for this cycle is six people and has pedalling arrangements for all six passengers. Smooth movement of the vehicle with suspensions gives more comfort for driving condition. A smooth moving steering system and a perfect brake assembly help to drive more safely. Strong chassis and a covered roof give more strength to vehicle and helps to protect from weather condition.



**Development stages of 6 Seater Cycle: Virtual model and its construction**