



Reason and Explanation for design Selection

Our prototype vehicle was inspired from Škoda Hispano Suiza 25/100 PS. One of the reasons behind it was the antique shape of the vehicle and the vintage look it provide. Even today this vehicle will be an exceptional one compared to the current design trends. We considered a unique pattern royal cars used to provide. It's the frame that makes it unique. The Hammer Truck is a good example of portraying such vehicle with modern features and designs. Another logical reason was we wanted to build a strong car that is rugged for the specific work that was objective of our project. As this vehicle will face real world challenges specially in the agriculture sector, we maintain the ruggedness of the vehicle almost like a tradition farming vehicle but also maintaining the retro look. We believe farmers can relate to it and can adapt to such vehicle more intuitively. The unibody of the vehicle is an unique design of being lightweight. As such we were inspired the Mercedes-Benz 1912 8-20 PS which gave us the idea making the frame light by making necessary shapes in the vehicle while maintaining the whole structure solid and reliable. As our vehicle in not just a vehicle, it an autonomous vehicle we used sophisticated components and we redesign many components for the smart sensors to be in place and work accordingly. The grabber / hand was actually a common design theme we thought but we the design of Peters Basilica in Vatican City as it has a unique shape of a grabber but also a unique architectural design.

