

Problem Statements for Shaastra – 2015

Problem Statement 2: What type of hybrid vehicle is suitable for India?

If you look at the future of Automotive, anything reduces the consumption of fuel and reduces the emission by meeting the customer expectation will be welcomed. Energy efficient transportation is gaining popularity in many other countries but not in India, though the costumers expect fuel economy with only engine type vehicles.

So, the problem is to come up with a hybrid vehicle suitable for Indian driving scenario. One should consider the following points when a detailed solution is provided.

1. Suitable hybrid architecture
2. Selection of an alternative energy source for hybrid vehicle
3. Indian driving scenario
4. Optimized control strategy
5. Infrastructure required to get acceptance
6. Simulation of the solution

Finally, Contestants should be able to define a hybrid vehicle strategy.