



## NARNARAYAN SHASTRI INSTITUTE OF TECHNOLOGY ELECTRICAL DEPARTMENT

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**Project Title:-** *Energy generation using Speed Breaker*

**Abstract:-** Electrical Energy generation without getting harm environment and using non conventional sources is the toughest task to do, so in this era we came with new step. This model is presenting generation of electricity using speed breaker. For obtaining the electricity using the speed breake a live working model is developed. This system will convert kinetic energy of vehicles (at speed breakers) in electricity. This system include gear shaft mechanism, freewheel, D.C generator and some other component. By doing so many research and field work we have created a new model which is more efficient then any other mechanism invented in this era yet. And finally we could create 120 watt (30V and 4 Amp.)Per a single vehicle of avg. weight. So at this stage we can say that this is going to be beneficial for entire globe and entire human society in view of energy generation.

**Major Hardware components used:-**gearbox, crankshaft, freewheel, PMDC motor , Flip plate Mechanism

**Software used:-** N/A

**Project Application:-**Highways , tollbooths , mall , industrial park , business park ,public places etc.

**Approx. Project Cost:-**27000 INR

**Project Photo:-**



**Block /circuit Diagram:-**

