



RNS Institute of Technology

(VTU Affiliated, AICTE Approved, NAAC 'A' Grade Accredited)

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Department of Electrical and Electronics Engineering

(NBA Accredited for the Academic Years 2018-19, 2019-20, 2020-21 and 2021-22)

Project: Design Of Hybrid Electric Three-Wheeler Vehicle For The Analysis Of Fuel Efficiency

Title	Design Of Hybrid Electric Three-Wheeler Vehicle For The Analysis Of Fuel Efficiency	
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Year	2018-19	

The concern over the environment with respect to pollution, conservation of fuel resources in the world, the automotive industry has entered into a new dimension in production of more fuel efficient, low emission vehicles and new technology. One of the most apparent solutions to the air pollution and fuel consumption problems is the use of pure electric vehicles. Electric vehicles are very attractive for urban use because they do not emit any pollutants. The generation of electricity still carries pollution problems, but the number of sources is reduced to a handful and kept away from the urban centres. Electricity can be generated in many ways, including renewable and non-polluting methods, but even if fossil fuels continue to be used for power generation the emissions of a few power plants can be more effectively monitored than millions of vehicles.

Contrary to some sources, the internal combustion engine does not need to be eliminated right away. It is important to recognize that reducing air pollution and fuel dependence are the two key goals. A hybrid-electric drive train can effectively meet these goals for the near to middle future. Eliminating the internal combustion engine is not a stated goal, and should not be the sole focus of the project. Improving the efficiency and performance of the complete vehicle as a system is the critical goal that should be closely investigated. Hybrid drive-trains hold important possibilities for the future.