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Design and fabrication of a modified gear train system a semi-automatic hybrid engine

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Abstract:

The increasing demand for non-polluting vehicles has increased from past few years. The sources used for the automobiles are in the stage of extinction so there must be a system which could combine both exhaustible and inexhaustible resources so that there will be a proper balance between the use of them. This system includes both mechanical as well as electrical components which combines in the proper proportion based on the use for a particular automobile during the initial stage the IC engine is utilized to run or move the vehicle so that a good torque is achieved and at higher gears vehicle moves with the help of the electric DC Motor where the requirement of the torque is less and speed is more. Hence efficiency could be increased and also emission could be decreased.

Keywords:

Automobile, Efficiency, Hybrid Vehicles, Non-Polluting Vehicles. commercial vehicles, gear train system