

“SIX STROKE ENGINE”



PROJECT REPORT

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ABSTRACT

The quest for an engine which having the same or more power with higher fuel efficiency and low emission than the existing ones has started before many years. As a result of all these researches a new Engine concept is formed, which is a six stroke engine. Nowadays, lots of research works are going on this topic.

During every cycle in a typical four stroke engine, piston moves up and down twice in the chamber, resulting in four strokes and one of that is the power stroke that provides the torque to move the vehicle. But in a six stroke engine there are six strokes and out of these there are two additional strokes i.e. compression and power stroke.

By changing number of teeth on sprocket and program in ECM unit, it is possible to change opening and closing of inlet and outlet valve. By that can achieve six strokes.