DESIGN AND FABRICATION OF 8 STROKE ENGINE

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In the present days air pollution is a major threat to the environment and the people in it where the major reason for the pollution is the burning of fuels in industries and by the exhaust gases released by vehicles around the world. Air pollution is end effecting the global warming, on the other hand the over availability of the fossil fuels are also at the edge of extinction. The recent penetration rates on electric vehicles are ruling market in future according to the forecasts but then the interests of petro heads is been still constant and stable. As 4 stroke engines were solution for all the above mentioned during era of two strokes now an approach of eight stroke engines might be a substantial replacement of the present days scenario retaining the markets of petro heads.

The present study, concept and experimentation is based on the eight stroke engines designed and developed. Basically to reduce the pollution and fuel consumption we have come up with an idea of increasing the strokes of the engine. By keeping the normal four strokes for initial stage and then adding four more strokes by passing in the compressed atmospheric gas, it gives same amount of power by consuming less fuel hence decreasing emissions sent to the atmosphere which makes it fuel efficient and less pollutant.