

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY,
BELGAUM- 590014**



A Project Report

On

DESIGN AND FABRICATION OF HYDROSILENCER

KSCST PROJECT REF. NO.36S0881

**Project Report submitted in partial fulfillment of the requirement for
the degree of**

**Bachelor of Engineering in
AUTOMOBILE.**

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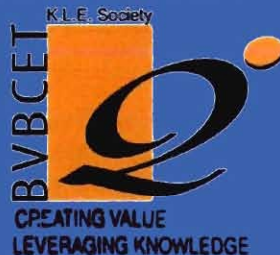
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ABSTRACT

Air pollution is most important from the public health point of view, because every individual person breathes approximately 22000 times a day, inhaling about 15 to 22 Kg of dry air daily. Polluted air causes physical ill effect decides undesirable aesthetic and physiological effects. Air pollution can be defined as addition to our atmosphere of any material, which will have a deterious effect on life upon our planet. The main pollutants contribute by automobiles are carbon monoxide (CO), unburned hydrocarbon (UBHC), oxides of nitrogen (NO_x) and Lead. Automobiles are not the only source of air pollution , other sources such as electric power generating stations, industrial and domestic fuel consumption, refuse burning, industrial processing etc. also contribute heavily contamination of our environment so it is imperative that serious be made to conserve earth's environment from degradation. A hydro silencer is an attempt in this direction; it is mainly dealing with control of emission and noise. A hydro silencer is fitted to the exhaust pipe of engine. Sound produced under water is less hearable than it is produced in atmosphere. This mainly because of small sprockets in water molecules, which lowers its amplitude thus, lowers the sound level. Because of this property water is used in this silencer and hence its name HYDRO SILENCER. The noise and smoke level is considerable less then the conventional silencer, it is cheaper, no need of catalytic converter and easy to install.