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**B.V.BHOOMARADDI COLLEGE OF ENGG.& TECH.,**

**Vidyanagar, HUBLI-580031**

(AFFILIATED TO VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM)

**NBA ACCREDITED & AUTONOMOUS INSTITUTE WITH**

**ISO 9001:2000 CERTIFICATION**



**DEPARTMENT OF AUTOMOBILE ENGINEERING**

**A PROJECT ON**

**Variable Valve timing Using**  
**Continuously Variable Transmission**

**SPONSORED BY**

**KARNATAKA STATE COUNCIL for SCIENCE AND TECHNOLOGY(KSCST)**

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## **Abstract**

Project focuses on studying of various performance parameters of a single cylinder engine by varying valve timing. This is done by controlling the speed of camshaft using continuously varying transmission. The degree of advancement or retard is determined by the engine simulation for steady state condition using lotus engine simulator and the results are analyzed and further verified experimentally on a single cylinder engine.