# ABSTRACT

## FABRICATION OF AIR BRAKE SYSTEM USING ENGINE EXHAUST GAS


# ABSTRACT



It is seen that all the exhaust gasses generated are getting released to atmosphere. Here is an effort made to utilize the exhaust gasses to increase engines efficiency.

Presently Air brakes in present vehicles are run using compressor which is run from direct engine. Here to increase engines efficiency compressor is detached from the engine and made to run from different system, which is powered from exhaust gas. Using exhaust gasses sets of turbines are run, turbine is mounted on generators shaft which rotates the armature which produces electricity, Generated energy is used to run the compressor, which is used for braking systems (Air braking system)

The aim is to design and develop a brake system based on exhaust gas is called “AIR BRAKE SYSTEM USING ENGINE EXHAUST GAS”. The main aim of this project is to reduce the work loads of the engine drive to operate the air compressor. In this project, we used exhaust gas from the engine to rotate the generator turbine. Then the power is loaded to the D.C compressor and it is used to the pneumatic cylinder to apply brake..





#2232, 16TH B CROSS, SECTOR B, YELAHANKA NEW TOWN, BANGALORE-560064
Ph: +91 7892151234