

STUDY AND FABRICATION OF PNEUMATIC BRAKING SYSTEM

A PROJECT REPORT SUBMITTED IN PARTIAL FULFILLMENT OF THE
REQUIREMENT FOR THE AWARD OF THE DEGREE OF

BACHELOR OF TECHNOLOGY

IN

MECHANICAL ENGINEERING

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CERTIFICATE

This is to certify that the project report is entitled “ **STUDY AND FABRICATION OF PNEUMATIC BRAKING SYSTEM** ” was carried out by **Y NAGENDRA BABU (16815A0340), S THARAKESHWARA RAO (16815A0336), V.CHARAN (15811A03D5), P.RUSHENDRA CHAKRAVARTHY (16815A0331)** in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology in **MECHANICAL ENGINEERING** to JNTUK University at **AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY** , Narsipatnam during the academic year 2018-2019.

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EXTERNAL EXAMINER

ABSTRACT

STUDY AND FABRICATION OF PNEUMATIC BRAKING SYSTEM

Here we propose a pneumatic powered braking system which is an efficient alternative braking mechanism to be used in vehicles. Our proposed system uses a pneumatic cylinder along with a pneumatic piston, valves, rubber brake, supporting frame to demonstrate this mechanism. We first allows the user to operate the motor that is used to drive the wheel based arrangement. Our system allows the user to press the brake using a paddle, which forces the pneumatic cylinder pressure generated through the piston. This piston is then used to press a rubber brake against the wheel to stop its motion. This system allows for instant braking using pneumatic pressure.