

DESIGN OF LOW COST VENTILATOR

A PROJECT REPORT

Submitted By

MD TAHIR PR
MOHAMED ISMAIL.J
MOHAMED JAVITH NAZEEM.N

*in partial fulfillment for the award of the
degree of*

BACHELOR OF ENGINEERING

IN

ELECTRONICS AND COMMUNICATION ENGINEERING



**AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING
AVADI I.A.F**


ANNA UNIVERSITY: CHENNAI 600 025

MAY 2023


**PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING
AVADI - IAF, MUTHAPUDUPE
CHENNAI 600 055**

ABSTRACT

This project describes an overview of various research done on how human lungs are used for respiration. They use a push mechanism in each breath. Inhalation and exhalation process take place. The ventilator here we design is to help people during Covid Situation. It is very cheap and affordable. When people suffer from lungs or breathing problems this can be used for emergency situations. Motor mechanism is used to push the air bag. At the point when oxygen level counts are low this mechanism can be performed and little screen is used to display. The entire system is driven by an Arduino microcontroller. Patient records are uploaded to the cloud through an IOT modem.


PRINCIPAL
AALIM MUHAMMED SALEGH
COLLEGE OF ENGINEERING
AVADI - IAF, MUTHAPUDUPE
CHENNAI 600 055