

**VISVESVARAYA TECHNOLOGICAL
UNIVERSITY,BELAGAVI- 590 018**



AMICRO PROJECTREPORTON

“Air Purifier & Humidifier”

Submitted By,

CHIRANTH P	4AL18ME009
ABHAYKUMAR BASAWRAJ M	4AL19ME001
CHRISTON LLOYD PINTO	4AL19ME006
MOHAN GOWDA	4AL19ME014

Under the Guidance of

Dr. Manoj Kumar AP

Associate Professor



**DEPARTMENT OF MECHANICAL ENGINEERING
ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY
MOODBIDRI-574225, KARNATAKA**

2020-2021

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

MIJAR, MOODBIDRI D.K. -574225

KARNATAKA



DEPARTMENT OF MECHANICAL ENGINEERING

CERTIFICATE

This is to certify that the Micro-Project entitled "Air Purifier & Humidifier" has been Successfully Completed

By

CHIRANTH P	4AL18ME009
ABHAYKUMAR BASAWRAJ M	4AL19ME001
CHRISTON LLOYD PINTO	4AL19ME006
MOHAN GOWDA	4AL19ME014

The bonafide students of Department Mechanical Engineering, Alva's Institute of Engineering and Technology, affiliated to VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI, during the academic year 2020-2021. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the report. The report has been approved as it satisfies the academic requirements in respect of Micro-Project work prescribed for Bachelor of Engineering.

Dr. Manoj Kumar AP
Project Guide

HOD
Dept. Of Mechanical Engineering
Alva's Institute of Engg. & Technology
Mijar, MOODBIDRI - 574 225

ABSTRACT

Air pollution has crossed all bounds in 2021. WHO estimates that around 7 million people die every year from exposure to polluted air. The spread of air pollution is so high that about 91% of the world population is exposed to air pollution.

Well this also means that the air you breathe in your house is polluted. To counter this issue we here develop a mini air purifier with that does not use expensive filters but rather uses water as an air filter. Also it acts as an air humidifier and can be used as oil diffuser too which helps you relax and also kills certain bacteria and viruses present in the air.

The mini Air Purifier brings up the following key aspects

A Low Cost Purifier

No Expensive Filters Just Water

Quiet Operation

Easy Maintenance

Also acts as a Humidifier

Low Power Consumption

Easy To Use

Can be used as an Oil Diffuser