



ISSN No. : 2321-9653

# IJRASET

**International Journal for Research in Applied  
Science & Engineering Technology**

IJRASET is indexed with Crossref for DOI-DOI : 10.22214

Website : www.ijraset.com, E-mail : ijraset@gmail.com



ISRA Journal Impact  
Factor: 7.429



45.98  
INDEX COPERNICUS



THOMSON REUTERS  
Researcher ID: N-9681-2016



TOGETHER WE REACH THE GOAL  
SJIF 7.429

## Certificate

*It is here by certified that the paper ID : IJRASET36097, entitled  
Design and Analysis of Portable Floor Cleaning Machine - A Research  
Paper*

*by*

*Mayur Bhende*

*after review is found suitable and has been published in*

*Volume 9, Issue VI, June 2021*

*in*

*International Journal for Research in Applied Science &  
Engineering Technology*

*Good luck for your future endeavors*

*By [Signature]*

Editor in Chief, IJRASET



ISSN No. : 2321-9653

# IJRASET

**International Journal for Research in Applied  
Science & Engineering Technology**

IJRASET is indexed with Crossref for DOI-DOI : 10.22214

Website : [www.ijraset.com](http://www.ijraset.com), E-mail : [ijraset@gmail.com](mailto:ijraset@gmail.com)

## Certificate

*It is here by certified that the paper ID : IJRASET36097, entitled*  
*Design and Analysis of Portable Floor Cleaning Machine - A Research*  
*Paper*  
*by*  
*Chetanay Balki*

*after review is found suitable and has been published in*  
*Volume 9, Issue VI, June 2021*  
*in*

*International Journal for Research in Applied Science &*  
*Engineering Technology*

*Good luck for your future endeavors*

*By*

Editor in Chief, IJRASET

ISRA  
JIF

ISRA Journal Impact  
Factor: 7.429



45.98  
INDEX COPERNICUS



THOMSON REUTERS  
Researcher ID: N-9681-2016



TOGETHER WE REACH THE GOAL  
SJIF 7.429



ISSN No. : 2321-9653

# IJRASET

**International Journal for Research in Applied  
Science & Engineering Technology**

IJRASET is indexed with Crossref for DOI-DOI : 10.22214

Website : [www.ijraset.com](http://www.ijraset.com), E-mail : [ijraset@gmail.com](mailto:ijraset@gmail.com)

## Certificate

*It is here by certified that the paper ID : IJRASET36097, entitled  
**Design and Analysis of Portable Floor Cleaning Machine - A Research  
Paper***

*by*

***Mahesh Musale***

*after review is found suitable and has been published in*

*Volume 9, Issue VI, June 2021*

*in*

*International Journal for Research in Applied Science &  
Engineering Technology*

*Good luck for your future endeavors*

*By *

Editor in Chief, IJRASET

**ISRA**  
JIF

ISRA Journal Impact  
Factor: **7.429**



45.98  
INDEX COPERNICUS



THOMSON REUTERS  
Researcher ID: N-9681-2016



TOGETHER WE REACH THE GOAL  
SJIF 7.429



ISSN No. : 2321-9653

# IJRASET

**International Journal for Research in Applied  
Science & Engineering Technology**

IJRASET is indexed with Crossref for DOI-DOI : 10.22214

Website : [www.ijraset.com](http://www.ijraset.com), E-mail : [ijraset@gmail.com](mailto:ijraset@gmail.com)

## Certificate

*It is here by certified that the paper ID : IJRASET36097, entitled  
Design and Analysis of Portable Floor Cleaning Machine - A Research  
Paper*

*by*

*Mahesh Thakre*

*after review is found suitable and has been published in*

*Volume 9, Issue VI, June 2021*

*in*

*International Journal for Research in Applied Science &  
Engineering Technology*

*Good luck for your future endeavors*

*By*

Editor in Chief, IJRASET

ISRA  
JIF

ISRA Journal Impact  
Factor: 7.429



45.98  
INDEX COPERNICUS



THOMSON REUTERS  
Researcher ID: N-9681-2016



TOGETHER WE REACH THE GOAL  
SJIF 7.429



ISSN No. : 2321-9653

# IJRASET

**International Journal for Research in Applied  
Science & Engineering Technology**

IJRASET is indexed with Crossref for DOI-DOI : 10.22214

Website : [www.ijraset.com](http://www.ijraset.com), E-mail : [ijraset@gmail.com](mailto:ijraset@gmail.com)

## Certificate

*It is here by certified that the paper ID : IJRASET36097, entitled  
Design and Analysis of Portable Floor Cleaning Machine - A Research  
Paper*

*by*

*Aniket Khadse*

*after review is found suitable and has been published in*

*Volume 9, Issue VI, June 2021*

*in*

*International Journal for Research in Applied Science &  
Engineering Technology*

*Good luck for your future endeavors*

*By [Signature]*

Editor in Chief, IJRASET



ISRA Journal Impact  
Factor: 7.429



45.98  
INDEX COPERNICUS



THOMSON REUTERS  
Researcher ID: N-9681-2016



TOGETHER WE REACH THE GOAL  
SJIF 7.429



ISSN No. : 2321-9653

# IJRASET

**International Journal for Research in Applied  
Science & Engineering Technology**

IJRASET is indexed with Crossref for DOI-DOI : 10.22214

Website : www.ijraset.com, E-mail : ijraset@gmail.com



ISRA Journal Impact  
Factor: 7.429



45.98  
INDEX COPERNICUS



THOMSON REUTERS  
Researcher ID: N-9681-2016



TOGETHER WE REACH THE GOAL  
SJIF 7.429

## Certificate

*It is here by certified that the paper ID : IJRASET36097, entitled  
Design and Analysis of Portable Floor Cleaning Machine - A Research  
Paper*

*by*

*Nikhil Shende*

*after review is found suitable and has been published in*

*Volume 9, Issue VI, June 2021*

*in*

*International Journal for Research in Applied Science &  
Engineering Technology*

*Good luck for your future endeavors*

*By [Signature]*

Editor in Chief, IJRASET