

International Journal of Scientific Development and Research

IJSDR.ORG | ISSN : 2455-2631



An International Open Access, Peer-reviewed, Refereed Journal

The Board of
International Journal of Scientific Development and Research

Is hereby awarding certificate to

Dhanesh S. Patil

In recognition of the publication of the paper entitled

Arduino Based Smart Dustbin

Published in Volume 8 Issue 5, May-2023, | Impact Factor: 9.15 by Google Scholar

Co-Authors - Pratik Jagtap, Chetana Jadhav, Aachal Patil, Harshal Shewale



Paper ID - IJSDR2305385
Registration ID - 206977


Editor-In Chief

An International Scholarly, Open Access, Multi-disciplinary, Monthly, Indexing in all Major Database & Metadata, Citation Generator

IJSDR - International Journal of Scientific Development and Research | ESTD: 2016

www.ijedr.org | editor@ijedr.org

Certificate of Publication

IJSDR | ISSN : 2455-2631

International Journal of Scientific Development and Research

IJSDR.ORG | ISSN : 2455-2631



An International Open Access, Peer-reviewed, Refereed Journal

The Board of
International Journal of Scientific Development and Research

Is hereby awarding certificate to

Pratik Jagtap

In recognition of the publication of the paper entitled

Arduino Based Smart Dustbin

Published in Volume 8 Issue 5, May-2023, | Impact Factor: 9.15 by Google Scholar

Co-Authors - Dhanesh S. Patil, Chetana Jadhav, Aachal Patil, Harshal Shewale



Paper ID - IJSDR2305385
Registration ID - 206977


Editor-In Chief

An International Scholarly, Open Access, Multi-disciplinary, Monthly, Indexing in all Major Database & Metadata, Citation Generator

IJSDR - International Journal of Scientific Development and Research | ESTD: 2016

www.ijedr.org | editor@ijedr.org

Certificate of Publication

IJSDR | ISSN : 2455-2631

International Journal of Scientific Development and Research

IJSDR.ORG | ISSN : 2455-2631



An International Open Access, Peer-reviewed, Refereed Journal

The Board of
International Journal of Scientific Development and Research

Is hereby awarding certificate to

Chetana Jadhav

In recognition of the publication of the paper entitled

Arduino Based Smart Dustbin

Published in Volume 8 Issue 5, May-2023, | Impact Factor: 9.15 by Google Scholar

Co-Authors - Dhanesh S. Patil, Pratik Jagtap, Aachal Patil, Harshal Shewale



Paper ID - IJSDR2305385
Registration ID - 206977


Editor-in Chief

An International Scholarly, Open Access, Multi-disciplinary, Monthly, Indexing in all Major Database & Metadata, Citation Generator

IJSDR - International Journal of Scientific Development and Research | ESTD: 2016

www.ijedr.org | editor@ijedr.org

Certificate of Publication

IJSDR | ISSN : 2455-2631

International Journal of Scientific Development and Research

IJSDR.ORG | ISSN : 2455-2631



An International Open Access, Peer-reviewed, Refereed Journal

The Board of
International Journal of Scientific Development and Research

Is hereby awarding certificate to

Aachal Patil

In recognition of the publication of the paper entitled

Arduino Based Smart Dustbin

Published in Volume 8 Issue 5, May-2023, | Impact Factor: 9.15 by Google Scholar

Co-Authors - Dhanesh S. Patil, Pratik Jagtap, Chetana Jadhav, Harshal Shewale



Paper ID - IJSDR2305385
Registration ID - 206977


Editor-In Chief

An International Scholarly, Open Access, Multi-disciplinary, Monthly, Indexing in all Major Database & Metadata, Citation Generator

IJSDR - International Journal of Scientific Development and Research | ESTD: 2016

www.ijedr.org | editor@ijedr.org

Certificate of Publication

IJSDR | ISSN : 2455-2631

International Journal of Scientific Development and Research

IJSDR.ORG | ISSN : 2455-2631



An International Open Access, Peer-reviewed, Refereed Journal

The Board of
International Journal of Scientific Development and Research

Is hereby awarding certificate to

Harshal Shewale

In recognition of the publication of the paper entitled

Arduino Based Smart Dustbin

Published in Volume 8 Issue 5, May-2023, | Impact Factor: 9.15 by Google Scholar

Co-Authors - Dhanesh S. Patil, Pratik Jagtap, Chetana Jadhav, Aachal Patil



Paper ID - IJSDR2305385
Registration ID - 206977


Editor-In Chief

An International Scholarly, Open Access, Multi-disciplinary, Monthly, Indexing in all Major Database & Metadata, Citation Generator

IJSDR - International Journal of Scientific Development and Research | ESTD: 2016

www.ijedr.org | editor@ijedr.org

Certificate of Publication

IJSDR | ISSN : 2455-2631