



**INTERNATIONAL JOURNAL OF NOVEL RESEARCH
AND DEVELOPMENT (IJNRD) | IJNRD.ORG**
An International Open Access, Peer-reviewed, Refereed Journal
ISSN : 2456-4184

The Board of
International Journal of Novel Research and Development
Is hereby awarding this certificate to
Ketan Sawakare

In recognition of the publication of the paper entitled
4 Å-Way Traffic Control System Using PLC and SCADA
Published In IJNRD (www.ijnrd.org) ISSN Approved & 8.76 Impact Factor
Published in Volume 7 Issue 5, May-2022 | Date of Publication: 2022-05-21

Co-Authors - Ketan Sawakare, Prasad chavan,
Ashish Khamkar, sohel bagwan



Registration ID : 181396

Paper ID - IJNRD2205096

Editor-In Chief

INTERNATIONAL JOURNAL OF NOVEL RESEARCH AND DEVELOPMENT | IJNRD

An International Scholarly, Open Access, Multi-disciplinary, Indexed Journal

Website: www.ijnrd.org | Email: editor@ijnrd.org | ESTD: 2016

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

Manage By: IJPUBLICATION Website: www.ijnrd.org | Email ID: editor@ijnrd.org

IJNRD | ISSN : 2456-4184

Certificate of Publication



**INTERNATIONAL JOURNAL OF NOVEL RESEARCH
AND DEVELOPMENT (IJNRD) | IJNRD.ORG**
An International Open Access, Peer-reviewed, Refereed Journal
ISSN : 2456-4184

The Board of
International Journal of Novel Research and Development
Is hereby awarding this certificate to
Ketan Sawakare

In recognition of the publication of the paper entitled
4 Å-Way Traffic Control System Using PLC and SCADA
Published In IJNRD (www.ijnrd.org) ISSN Approved & 8.76 Impact Factor
Published in Volume 7 Issue 5, May-2022 | Date of Publication: 2022-05-21

Co-Authors - Ketan Sawakare, Prasad chavan,
Ashish Khamkar, sohel bagwan



Registration ID : 181396

Paper ID - IJNRD2205096

Editor-In Chief

INTERNATIONAL JOURNAL OF NOVEL RESEARCH AND DEVELOPMENT | IJNRD

An International Scholarly, Open Access, Multi-disciplinary, Indexed Journal

Website: www.ijnrd.org | Email: editor@ijnrd.org | ESTD: 2016

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

Manage By: IJPUBLICATION Website: www.ijnrd.org | Email ID: editor@ijnrd.org

IJNRD | ISSN : 2456-4184

Certificate of Publication



**INTERNATIONAL JOURNAL OF NOVEL RESEARCH
AND DEVELOPMENT (IJNRD) | IJNRD.ORG**
An International Open Access, Peer-reviewed, Refereed Journal
ISSN : 2456-4184

The Board of
International Journal of Novel Research and Development
Is hereby awarding this certificate to
Prasad chavan

In recognition of the publication of the paper entitled
4 Å-Way Traffic Control System Using PLC and SCADA
Published In IJNRD (www.ijnrd.org) ISSN Approved & 8.76 Impact Factor
Published in Volume 7 Issue 5, May-2022 | Date of Publication: 2022-05-21

Co-Authors - Ketan Sawakare, Ketan
Sawakare, Ashish Khamkar, sohel bagwan



Registration ID : 181396

Paper ID - IJNRD2205096

Editor-In Chief

INTERNATIONAL JOURNAL OF NOVEL RESEARCH AND DEVELOPMENT | IJNRD

An International Scholarly, Open Access, Multi-disciplinary, Indexed Journal

Website: www.ijnrd.org | Email: editor@ijnrd.org | ESTD: 2016

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

Manage By: IJPUBLICATION Website: www.ijnrd.org | Email ID: editor@ijnrd.org

IJNRD | ISSN : 2456-4184

Certificate of Publication



**INTERNATIONAL JOURNAL OF NOVEL RESEARCH
AND DEVELOPMENT (IJNRD) | IJNRD.ORG**
An International Open Access, Peer-reviewed, Refereed Journal
ISSN : 2456-4184

The Board of
International Journal of Novel Research and Development
Is hereby awarding this certificate to
Ashish Khamkar

In recognition of the publication of the paper entitled
4 Å-Way Traffic Control System Using PLC and SCADA
Published In IJNRD (www.ijnrd.org) ISSN Approved & 8.76 Impact Factor
Published in Volume 7 Issue 5, May-2022 | Date of Publication: 2022-05-21

Co-Authors - Ketan Sawakare, Ketan
Sawakare, Prasad Chavan, Sohel Bagwan



Registration ID : 181396

Paper ID - IJNRD2205096

Editor-In Chief

INTERNATIONAL JOURNAL OF NOVEL RESEARCH AND DEVELOPMENT | IJNRD

An International Scholarly, Open Access, Multi-disciplinary, Indexed Journal

Website: www.ijnrd.org | Email: editor@ijnrd.org | ESTD: 2016

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

Manage By: IJPUBLICATION Website: www.ijnrd.org | Email ID: editor@ijnrd.org

IJNRD | ISSN : 2456-4184

Certificate of Publication



**INTERNATIONAL JOURNAL OF NOVEL RESEARCH
AND DEVELOPMENT (IJNRD) | IJNRD.ORG**
An International Open Access, Peer-reviewed, Refereed Journal
ISSN : 2456-4184

The Board of
International Journal of Novel Research and Development
Is hereby awarding this certificate to
sohel bagwan

In recognition of the publication of the paper entitled
4 Å-Way Traffic Control System Using PLC and SCADA
Published In IJNRD (www.ijnrd.org) ISSN Approved & 8.76 Impact Factor
Published in Volume 7 Issue 5, May-2022 | Date of Publication: 2022-05-21

Co-Authors - Ketan Sawakare, Ketan
Sawakare, Prasad chavan, Ashish Khamkar



Registration ID : 181396

Paper ID - IJNRD2205096

Editor-In Chief

INTERNATIONAL JOURNAL OF NOVEL RESEARCH AND DEVELOPMENT | IJNRD

An International Scholarly, Open Access, Multi-disciplinary, Indexed Journal

Website: www.ijnrd.org | Email: editor@ijnrd.org | ESTD: 2016

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

Manage By: IJPUBLICATION Website: www.ijnrd.org | Email ID: editor@ijnrd.org

IJNRD | ISSN : 2456-4184

Certificate of Publication