



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

Certificate

*It is here by certified that the paper ID : IJRASET66913, entitled
YOLOv9-Based Visual Detection of Road Hazards and Anomalies: Potholes, Sewer
Covers, and Manholes*

*by
Prof. A. M. Jagtap*

*after review is found suitable and has been published in
Volume 13, Issue II, February 2025
in*

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

(International Peer Reviewed and Refereed Journal)

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

Certificate

It is here by certified that the paper ID : IJRASET66913, entitled
YOLOv9-Based Visual Detection of Road Hazards and Anomalies: Potholes, Sewer
Covers, and Manholes
by
Sharvari Pawar

after review is found suitable and has been published in
Volume 13, Issue II, February 2025
in

*International Journal for Research in Applied Science &
Engineering Technology*
(International Peer Reviewed and Refereed Journal)
Good luck for your future endeavors

By 
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 : IJRASET66913, entitled
YOLOv9-Based Visual Detection of Road Hazards and Anomalies: Potholes, Sewer
Covers, and Manholes*

*by
Pratik Shinde*

*after review is found suitable and has been published in
Volume 13, Issue II, February 2025
in*

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

(International Peer Reviewed and Refereed Journal)

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, E-mail : ijraset@gmail.com

Certificate

*It is here by certified that the paper ID : IJRASET66913, entitled
YOLOv9-Based Visual Detection of Road Hazards and Anomalies: Potholes, Sewer
Covers, and Manholes*

*by
Pramod Ahetti*

*after review is found suitable and has been published in
Volume 13, Issue II, February 2025
in*

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

(International Peer Reviewed and Refereed Journal)

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

Certificate

It is here by certified that the paper ID : IJRASET66913, entitled
YOLOv9-Based Visual Detection of Road Hazards and Anomalies: Potholes, Sewer
Covers, and Manholes

by
Atharva Raut

after review is found suitable and has been published in
Volume 13, Issue II, February 2025
in

International Journal for Research in Applied Science &
Engineering Technology

(International Peer Reviewed and Refereed Journal)

Good luck for your future endeavors

By

Editor in Chief, IJRASET



ISRA Journal Impact
Factor: 7.429



45.98
INDEX COPERNICUS



THOMSON REUTERS
Researcher ID: N-9681-2016



10.22214/IJRASET



TOGETHER WE REACH THE GOAL
SJIF 7.429