



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 : IJRASET65243, entitled*

*E-Fraud Prevention Based on the Self-Authentication of E- Documents based on  
Improved Particle Swarm Optimization (IPSO) Algorithm and Support Vector Machine (SVM)  
Techniques*

*by*

*Utkarsha Kulkarni*

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

*Volume 12, Issue XI, November 2024*

*in*

*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

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

*(International Peer Reviewed and Refereed Journal)*

*Good luck for your future endeavors*



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*



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

*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 : IJRASET65243, entitled*

*E-Fraud Prevention Based on the Self-Authentication of E- Documents based on  
Improved Particle Swarm Optimization (IPSO) Algorithm and Support Vector Machine (SVM)  
Techniques*

*by*

*Rahul Paikrao*

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

*Volume 12, Issue XI, November 2024*

*in*

*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

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

*(International Peer Reviewed and Refereed Journal)*

*Good luck for your future endeavors*



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*



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

*By [Signature]*

Editor in Chief, IJRASET