



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
JIF

ISRA Journal Impact
Factor: 7.429



45.98
INDEX COPERNICUS



THOMSON REUTERS
Researcher ID: N-9581-2016



TOGETHER WE REACH THE GOAL
SJIF 7.429

Certificate

*It is here by certified that the paper ID : IJRASET75576, entitled
**Federated Deep Learning-Based Intrusion Detection System for Multi-Attack
Detection in MANETs***

*by
Arun Joseph A*

*after review is found suitable and has been published in
Volume 13, Issue XII, December 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

ISRA
JIF

ISRA Journal Impact
Factor: 7.429



45.98
INDEX COPERNICUS



THOMSON REUTERS
Researcher ID: N-9581-2016



TOGETHER WE REACH THE GOAL
SJIF 7.429

Certificate

*It is here by certified that the paper ID : IJRASET75576, entitled
**Federated Deep Learning-Based Intrusion Detection System for Multi-Attack
Detection in MANETs***

*by
Ranjani P*

*after review is found suitable and has been published in
Volume 13, Issue XII, December 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

ISRA
JIF

ISRA Journal Impact
Factor: 7.429



45.98
INDEX COPERNICUS



THOMSON REUTERS
Researcher ID: N-9581-2016



TOGETHER WE REACH THE GOAL
SJIF 7.429

Certificate

*It is here by certified that the paper ID : IJRASET75576, entitled
**Federated Deep Learning-Based Intrusion Detection System for Multi-Attack
Detection in MANETs***

*by
Suresh Kumar V*

*after review is found suitable and has been published in
Volume 13, Issue XII, December 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