



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 : IJRASET13624, entitled

*Improvisation of QOS Parameters by Detecting and Preventing the Black Hole
Attacks using Artificial Intelligence Techniques*

by

Meenanshu Gupta

*after review is found suitable and has been published in
Volume 6, Issue II, February 2018*

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

JISRA
J
F

ISRA Journal Impact
Factor: **7.429**

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 : IJRASET13624, entitled

*Improvisation of QOS Parameters by Detecting and Preventing the Black Hole
Attacks using Artificial Intelligence Techniques*

by

Mr. Varun Jasuja

*after review is found suitable and has been published in
Volume 6, Issue II, February 2018*

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

JISRA
F

ISRA Journal Impact
Factor: **7.429**



45.98
INDEX COPERNICUS



THOMSON REUTERS
Researcher ID: N-9681-2016



doi 10.22214/IJRASET
cross **ref**



Scopus
Scopus
Scientific Journal Impact Factor
TOGETHER WE REACH THE GOAL
SJIF 7.429