



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

*It is here by certified that the paper ID : IJRASET38727, entitled*

*Simulation Analysis of Circuit and Designing of PCB Layout of a CMOS based NOR Logic Gate using Open-Source Software eSim*

*by*

*Balakrishna Eppili*

*after review is found suitable and has been published in  
Volume 9, Issue XI, November 2021*

*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

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](http://www.ijraset.com), E-mail : [ijraset@gmail.com](mailto:ijraset@gmail.com)

## Certificate

*It is here by certified that the paper ID : IJRASET38727, entitled*

*Simulation Analysis of Circuit and Designing of PCB Layout of a CMOS based NOR Logic Gate using Open-Source Software eSim*

*by*

*Probeer Sahw*

*after review is found suitable and has been published in  
Volume 9, Issue XI, November 2021*

*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](http://www.ijraset.com), E-mail : [ijraset@gmail.com](mailto:ijraset@gmail.com)

## Certificate

*It is here by certified that the paper ID : IJRASET38727, entitled*

*Simulation Analysis of Circuit and Designing of PCB Layout of a CMOS based NOR Logic Gate using Open-Source Software eSim*  
by  
*Vanshika Tanwar*

*after review is found suitable and has been published in  
Volume 9, Issue XI, November 2021  
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

J<sup>o</sup>SRA  
I  
F

ISRA Journal Impact  
Factor: 7.429

INDEX COPERNICUS



THOMSON REUTERS  
Researcher ID: N-9681-2016

doi 10.22214/IJRASET  
cross ref



TOGETHER WE REACH THE GOAL  
SJIF 7.429