

Jublicatio

Of

ertificate

## **INTERNATIONAL JOURNAL OF NOVEL RESEARCH**

AND DEVELOPMENT (IJNRD) | IJNRD.ORG An International Open Access, Peer-reviewed, Refereed Journal

ISSN : 2456-4184 The Board of

International Journal of Novel Research and Development

Is hereby awarding this certificate to

## Hamdi Yaser Farid

In recognition of the publication of the paper entitled

A Performance Analysis of EDFA-EYCDFA Hybrid Amplifier using pump

power, input power, length of the fiber, Numerical aperture, and core radii

### in backward and forward pumping

Replished In IJNRD ( www.ijnrd.org ) ISSN Approved & 8.76 Impact Factor

Published in Volume 8 Issue 2, February-2023 | Date of Publication: 2023-

 Registration ID : 187195
 Co-Authors - Santosh Jagtap

 INTERNATIONAL JOURNAL OF NOVEL RESEARCH AND DEVELOPMENT | IJNRD

An International Scholarly, Open Access, Multi-disciplinary, Indexed Journal

Website: www.ijnrd.org | Email: editor@ijnrd.org | ESTD: 2016

An International Scholarly, Open Access, Multi-disciplinary, Monthly, Indexing in all Major Database & Metadata, Citation Generator Manage By: IJPUBLICATION Website: www.ijnrd.org | Email ID: editor@ijnrd.org



Bublicatio

Of

ertificate

### **INTERNATIONAL JOURNAL OF NOVEL RESEARCH**

AND DEVELOPMENT (IJNRD) | IJNRD.ORG An International Open Access, Peer-reviewed, Refereed Journal

ÍSSN : 2456-4184

The Board of

International Journal of Novel Research and Development

Is hereby awarding this certificate to

# Santosh Jagtap

In recognition of the publication of the paper entitled

A Performance Analysis of EDFA-EYCDFA Hybrid Amplifier using pump

power, input power, length of the fiber, Numerical aperture, and core radii

### in backward and forward pumping

Roblished In IJNRD ( www.ijnrd.org ) ISSN Approved & 8.76 Impact Factor

Published in Volume 8 Issue 2, February-2023 | Date of Publication: 2023-

 Co-Authors - Hamdi Yaser Farid

 Registration ID : 187195
 Paper ID - IJNRD2302070
 Editor-In Chief

 INTERNATIONAL JOURNAL OF NOVEL RESEARCH AND DEVELOPMENT
 IJNRD

An International Scholarly, Open Access, Multi-disciplinary, Indexed Journal

Website: www.ijnrd.org | Email: editor@ijnrd.org | ESTD: 2016