



INTERNATIONAL JOURNAL OF CREATIVE RESEARCH THOUGHTS | ISSN: 2320 - 2882

An International Open Access, Peer-reviewed, Refereed Journal

The Board of
International Journal of Creative Research Thoughts
Is hereby awarding this certificate to

Nitin kali Raman

In recognition of the publication of the paper entitled
Energy Efficient Optical Access Networks Incorporating FBGs and SOAs

Published In IJCRT (www.ijert.org) & 7.97 Impact Factor by Google Scholar

Volume 14 Issue 1 January 2026 , Date of Publication: 03-January-2026

UGC Approved Journal No: 49023 (18)

PAPER ID : IJCRT2601018

Registration ID : 299802

Scholarly open access journals, Peer-reviewed, and Refereed Journals, Impact factor 7.97 (Calculate by google scholar and Semantic Scholar | AI-Powered Research Tool) , Multidisciplinary, Monthly Journal



EDITOR IN CHIEF

INTERNATIONAL JOURNAL OF CREATIVE RESEARCH THOUGHTS | IJCRT
An International Scholarly, Open Access, Multi-disciplinary, Indexed Journal

Website: www.ijcrt.org | Email id: editor@ijcrt.org | ESTD: 2013



INTERNATIONAL JOURNAL OF CREATIVE RESEARCH THOUGHTS | ISSN: 2320 - 2882

An International Open Access, Peer-reviewed, Refereed Journal

The Board of
International Journal of Creative Research Thoughts
Is hereby awarding this certificate to

Pardeep Kumar

In recognition of the publication of the paper entitled
Energy Efficient Optical Access Networks Incorporating FBGs and SOAs

Published In IJCRT (www.ijert.org) & 7.97 Impact Factor by Google Scholar

Volume 14 Issue 1 January 2026 , Date of Publication: 03-January-2026

UGC Approved Journal No: 49023 (18)

PAPER ID : IJCRT2601018

Registration ID : 299802

Scholarly open access journals, Peer-reviewed, and Refereed Journals, Impact factor 7.97 (Calculate by google scholar and Semantic Scholar | AI-Powered Research Tool) , Multidisciplinary, Monthly Journal




EDITOR IN CHIEF

INTERNATIONAL JOURNAL OF CREATIVE RESEARCH THOUGHTS | IJCRT
An International Scholarly, Open Access, Multi-disciplinary, Indexed Journal

Website: www.ijcrt.org | Email id: editor@ijcrt.org | ESTD: 2013