ISSN: 2320-2882 IJCRT.ORG



## INTERNATIONAL JOURNAL OF CREATIVE **RESEARCH THOUGHTS (IJCRT)**

An International Open Access, Peer-reviewed, Refereed Journal

Ref No: IJCRT/Vol 11/ Issue 6 / 192

Massive MIMO, Channel State Information, Machine Learning, QAM Modulation

**Subject:** Publication of paper at International Journal of Creative Research Thoughts.

Dear Author,

With Greetings we are informing you that your paper has been successfully published in the International Journal of Creative Research Thoughts - IJCRT (ISSN: 2320-2882). Thank you very much for your patience and cooperation during the submission of paper to final publication Process. It gives me immense pleasure to send the certificate of publication in our Journal. Following are the details regarding the published paper.

About IJCRT : 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, Indexing in all major database & Metadata, Citation Generator, Digital Object Identifier(DOI) | UGC Approved

Journal No: 49023 (18)

Registration ID: IJCRT\_238916 : IJCRT2306192 Paper ID

Title of Paper : Optimization Spectrum Efficiency and BER of Massive MIMO Systems using

Machine Learning

Impact Factor : 7.97 (Calculate by Google Scholar) | License by Creative Common 3.0

Publication Date: 02-June-2023

DOI

Published in : Volume 11 | Issue 6 | June 2023

: b719-b723 Page No

Published URL: http://www.ijcrt.org/viewfull.php?&p\_id=IJCRT2306192

Authors : Massive MIMO, Channel State Information, Machine Learning, QAM

Modulation, Dr. Jaikaran Singh

Notification : UGC Approved Journal No: 49023 (18)

Thank you very much for publishing your article in IJCRT.

International Journal of Creative Research Thoughts - IJCRT

(ISSN: 2320-2882)















Creative Resea



