



SUDARSHAN
RESEARCH JOURNAL

CERT NO: SRJ/2023/01/06/12

CERTIFICATE

OF PUBLICATION



BINDU RANI

authoring and publishing the research paper titled
DETECTION & PREVENTION OF BLACK HOLE ATTACK
WITH OPTIMIZATION IN WSN

in Sudarshan Research Journal (Multi-Disciplinary)

Refereed/Peer Reviewed, ISSN : 2583-8792 Volume : 01 / Issue : 06

Impact Factor: 3.179 (SJIF)


Dr. Sunaina Grover
Executive Editor




Prof. Rakesh Kumar Yogi
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