



International Journal of Engineering Research and Applications (IJERA)

CERTIFICATE

It is certify that the paper entitled by *"Federated Multi-Layer Energy Optimization for Earth-to-Orbit Smart Grid Systems GNN-RL Architecture"* has been published in International Journal of Engineering Research and Applications (IJERA).

Your article has been published with following details:

Author's Name: Adnan Haider Zaidi
Journal Name: International Journal of Engineering Research and Applications (IJERA)
Journal Web: www.ijera.com
Journal Type: Online & Print (Both)
Review Type: Peer Review Refereed
ISSN: 2248-9622
Vol No.: 15
Issue No.: 06
Publication Month: June
Publication Year: 2025



Editor-In-Chief
International Journal of Engineering Research and Applications (IJERA)
E-mail ID: ijera.editor@gmail.com
Web: www.ijera.com