ISSN: 2320-5407

International Journal of Advanced Research

Publisher's Name: Jana Publication and Research LLP

www.journalijar.com

REVIEWER'S REPORT

Manuscript No.: IJAR-59725

Title: Digital Modernization of Gas Turbine Control Systems for Improving Reliability and Operational Performance in Oil and Gas Pipeline Infrastructure.

Recommendation:

Accept as it is .....

Accept after minor revision.....

Accept after major revision .....

Do not accept (*Reasons below*) .....

Rating	Excel.	Good	Fair	Poor
Originality	✓			
Techn. Quality		✓		
Clarity		✓		
Significance	✓			

Reviewer Id: JPR-391

Reviewer's Comment for Publication.

The manuscript addresses an important engineering topic concerning the digital modernization of gas turbine control systems in oil and gas pipeline infrastructure. It provides a comprehensive discussion of digital control architectures, predictive maintenance, fault diagnosis, digital twins, compressor optimization, and cybersecurity. The proposed modernization framework is relevant and demonstrates good technical understanding. However, some improvements are required. The methodology should provide clearer details regarding the literature search and selection process. Further critical comparison of existing studies and stronger discussion of practical implementation challenges would improve the manuscript. The technical terminology, references, and formatting should also be carefully checked. Overall, the manuscript has good academic value and can be considered for publication after minor revision.