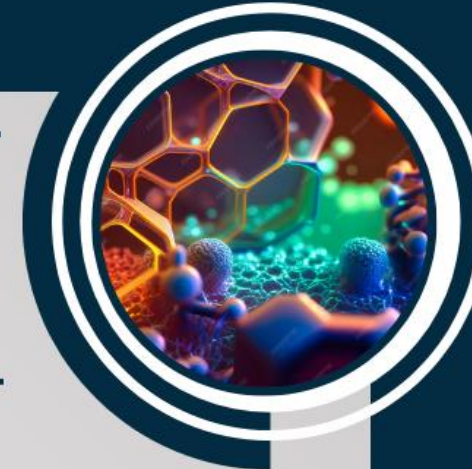




VI INTERNATIONAL WORKSHOP OF
THE GRADUATE PROGRAM ON
PHYSICS ENGINEERING



CERTIFICATE

Hereby we certify that the work **Estimation of Power Quality Indices Based on the Wavelet Packet Transform**, submitted by **Jônatas Medeiros Gonçalves, Denis Keuton Alves** was presented as a Poster Communication by **Jônatas Medeiros Gonçalves** at the VI International Workshop of the Graduate Program on Physics Engineering at UFRPE, hosted in-person, from November 12th to 13th, 2025.

Cabo de Santo Agostinho – PE, 18th of November 2025.




RAFAEL ALVES DE OLIVEIRA
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