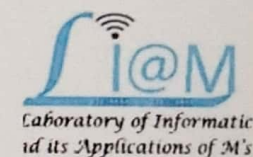




The Second International Workshop on Machine Learning and Deep Learning  
Mohamed Boudiaf University of M'sila, November 25, 2025



# CERTIFICATE OF PARTICIPATION

It is hereby certified that

*BEDJEKINA Kheira Fairouz*

Has contributed to the Workshop with an Oral Presentation

Entitled: *"A Hybrid ResNet50-PCA-SVM Model for Accurate Palmprint Recognition."*

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