



CERTIFICATE

The 11th edition of the International Conference on Optimization and Applications
is hereby awarding this certificate to

Duvvuri Prathamesh, Ramprasad Neeraj , S. N. Omkar

for the presentation of the communication paper entitled

**An Adapted Cat and Mouse Based Optimizer for Solving the Capacitated
Vehicle Routing Problem**

16 – 17 October 2025

Kenitra, Morocco

Date & Place



Signature

