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## CERTIFICATE

## OF PARTICIPATION

This certifies that

**Ashek Ahmed** 

has participated and presented a paper entitled:

**Optimal Control Problem and Its Application in COVID-19 Transmission Dynamics** 

> at the 3<sup>rd</sup> International Conference on Advanced Engineering, Technology, and Applications, held at the University of **Catania**, **Italy** on May 24-25, 2024.

> > Dr. Alessandro Ortis

**General Chair**