



**IEEE 4th International Conference on Computing and Machine
Intelligence
April 05-06, 2025
Central Michigan University**

CERTIFICATE

of Participation

This certificate is presented to
Manar Abu Talib

**For participating and presenting the
paper titled:**

**AI-Driven Early Detection of Crop Diseases Using
Computer Vision and Federated Learning**

A handwritten signature in blue ink, appearing to be "Ah", located above the name of the General Chair.

General Chair
Ahmed Abdelgawad, PhD