



# *Certificate of Award*

**This is to certify that**

NOR AZIZAH BINTI SA'ADON  
DAYANG NORHAYATI BINTI ABANG JAWAWI  
MOHD ADHAM BIN ISA  
MUHAMMAD KHATIBSYARBINI  
NURUL NAZIHAH BINTI JAMAL

**has been presented with**

GOLD AWARD

in

NALI 2023 EXHIBITION & COMPETITION

**for the innovation**

**PROGRAMMING RESILIENCE SKILLS THROUGH COMPETITION-BASED  
LEARNING USING MOBILE ROBOTS IN REAL-TIME SOFTWARE  
ENGINEERING COURSE**

at

**NEW ACADEMIA LEARNING INNOVATION**

**NALI 2023**

RESILIENCE EDUCATION FOR  
FUTURE-ORIENTED QUALITY GRADUATE

**UNIVERSITI TEKNOLOGI MALAYSIA**

**PROF DR MOHD SHAFRY BIN MOHD RAHIM**  
DEPUTY VICE CHANCELLOR  
(ACADEMIC & INTERNATIONAL)  
UNIVERSITI TEKNOLOGI MALAYSIA