

# INTERNATIONAL RESEARCH AND INNOVATION CONFERENCE

## 25TH JULY 2024

### PRODUCT INNOVATION AWARD

#### A. ENGINEERING AND TECHNOLOGY

#### BEST INNOVATION WINNER

#### I-RIC2024\_PI-003 - PRECISE FERTILIZATION WITH DRONE-BASED TECHNOLOGY: PRISM-RGB NITROGEN GROWTH ALGORITHM

1. DR. MUHAMMAD NURFAIZ BIN ABD KHARIM
2. PROF MADYA DR. AIMRUN WAYAYOK
3. PROF DR. ABDUL RASHID MOHAMED SHARIFF
4. PROF MADYA DR. AHMAD FIKRI ABDULLAH

#### GOLD AWARD

1. I-RIC2024\_PI-003 - PRECISE FERTILIZATION WITH DRONE-BASED TECHNOLOGY: PRISM-RGB NITROGEN GROWTH ALGORITHM
2. I-RIC2024\_PI-009 - SMART 3-WHEEL BIKE: TECHNICAL SUPPORT FOR DISABLED ENTREPRENEURS
3. I-RIC2024\_PI-057 - WATER SAMPLE COLLECTOR
4. I-RIC2024\_PI-022 - SENSENERGY: HARNESSING HUMAN SENSING FOR ENERGY EFFICIENCY WITH IOT

#### SILVER AWARD

1. I-RIC2024\_PI-013 - SUSTAINABLE FOAM (WASTE TO WEALTH)
2. I-RIC2024\_PI-056 - BIOSORPTION AND DECOLORIZATION OF DYES USING EXPIRED KING OYSTER MUSHROOM
3. I-RIC2024\_PI-077 - VOICE LINK TRAINER FOR FIBER OPTIC COMMUNICATION

#### BRONZE AWARD

1. I-RIC2024\_PI-037 - THE DEVELOPMENT OF DIGITRONICS TRAINER AS A TEACHING AID FOR DIGITAL ELECTRONICS COURSE IN SULTAN HAJI AHMAD SHAH POLYTECHNIC
2. I-RIC2024\_PI-039 - MULTI PURPOSE CLEANING ROBOT WITH AI: PURESHINE
3. I-RIC2024\_PI-078 - SEMI-AUTO CURRYPUFF CRIMPING MACHINE FOR MEDIUM-SIZED INDUSTRIES

Organizer:



Co-organizer:

