



**Graduate Digital Invention,
Innovation & Design 2025**



Graduate Digital Invention,
Innovation & Design 2025

ANNOUNCEMENT OF WINNERS

Sempena 50 Tahun UiTM Cawangan Terengganu



اوسمها تقوى موليا

BRONZE

AWARD

SCIENCE & TECHNOLOGY

5007

NETWORK ANALYSIS IN OPTIMIZING PATH IN UITM SERI ISKANDAR

NUR HAZWANI BINTI OTHMAN, SR. GS.TS. DR. IZRAHAYU BINTI CHE HASHIM

5010

**MODELLING TAPERED THICKNESS HAT-SECTION TUBES USING SOLID-SHELL ELEMENT
COUPLING**

MUHAMMAD ATIQ AMSYAR BIN ISMAIL, MUHAMMAD DANISH BIN KAYROL MU'AZAM,
HAFIZAN BIN HASHIM, HAFIZI BIN LUKMAN, WAN SULAIMAN WAN MOHAMAD

5011

SCALED CONJUGATE GRADIENT METHOD FOR PORTFOLIO SELECTION

NURFATIAH BINTI ANIZAN AINUR MADIHAH BINTI MOHD NORDIN, DZUL DZAIHAN BIN DZUL
DZAILANI, MICHELLE UBONG SARI, DR. NORHASLINDA BINTI ZULL PAKKAL

5012

MODIFIED CONJUGATE GRADIENT COEFFICIENTS UNDER STRONG WOLFE LINE SEARCH AND ITS APPLICATION

HANIS THURAIYA BINTI AHMAD NASIM, HANNAH TELEN LUYOH, MUHAMMAD NAJHAN BIN ABDUL RAHAMAN, ALEYA MAISARAH BT MOHD HAKIM, DR. NORHASLINDA BINTI ZULL PAKKAL

5018

INTELLIGENCE SHARP BIN

IYLIA AZIRA BINTI MOHD HAMIDI, HAZIMAH BINTI SALIM, NURIN WAHIDAH BINTI MASHURAN, NURUL ATIQA NADIA BINTI MOHD SUKRI, TS. DR. SHARIFAH SHAFINAZ BINTI SH. ABDULLAH

5026

THE EFFICACY OF MODIFIED NEWTON METHODS IN SOLVING NONLINEAR EQUATIONS

AMIRRUL NAZRI, NOOR KHAIRIAH RAZALI

5027

**ENHANCEMENT OF VISIBLE LIGHT ABSORPTION OF TiO_2 DOPED GRAPHITE IN PHOTOCATALYSIS
VIA SPIN COATING METHOD**

FARDIANA EDRINA BINTI MOHAMMAD SHAARI, IR. TS. DR. PUTERI SARAH BINTI MOHAMAD SAAD

5031

BREAKING DOMAIN BARRIERS: HYBRID PSO-CNN FOR NEXT-GEN SENTIMENT ANALYSIS
UMMU FATIHAH BINTI MOHD BAHRIN, DR. SHARIFALILLAH NORDIN, NORLINA MOHD SABRI,
HAMIDAH JANTAN

5032

**AN IN-DEPTH COMPARATIVE ANALYSIS OF STEFFENSEN'S METHOD, MODIFIED STEFFENSEN'S
METHOD AND NEWTON'S METHOD FOR EFFICIENT ROOT-FINDING**

TASNIM ATIQAHA AZIZ, MUHAMMAD IDHAM FIKRI FAIZAL, RUHANA BINTI JAAFAR, NUR SOLIHAN
KHADHIAH ABDULLAH

SCIENCE & TECHNOLOGY
BRONZE *Award Winners*



5033

NEXANOMICBOARD

NURUL SALSABILLA MOHD SUKRI, MUHAMMAD HAZZIQ RAZMAN, YASMIN RIDZUAN, NURANIS SYAFIAH FAKRURAZI, NOOR KHAIRIAH RAZALI

5034

PALMTECH FUSION

ALEYA MAISARAH BINTI MOHD HAKIM, AMIRA SOFEA HANNA BINTI MOHD FAZLI, MUHAMMAD ANEES BIN MOHD ASSRI, MUHAMMAD FURQAN BIN RAZAK, MUHAMMAD FAUZI BIN EMBONG

5036

DEVELOPMENT OF CLOTHES DRYING RACK

HADIF AQEEL HASMIZAN, NURUL HANNA MAS'AUD, NORJASWEEN ABDUL MALIK

5041

TUMMYTIMER FRESH FRIDGE

SYAZWI NAUFAL BIN KHAIRUZAMAN, NOOR SUFIA AMIRA BINTI MAT, NUR HUSNA SHAFURA BINTI SHAAUDIN, NURIN JAZLINA BINTI ABD RAHMAN, SITI MUSLIHA BINTI NOR-AL-DIN

5043

INTELLICART

ADRIANA ASYIFA BINTI ALIAS, AISYAH HASNAH HANIM BINTI ABDUL RAHIM, NOR ANIS SURAYA BINTI ZUAZIRA, NURIN AUNI AKMA BINTI MOHD KAMAL, NOOR ERNI FAZLINA BINTI MOHD AKHIR

5047

SOLE SPACE

MUHAMMAD HAZMAN BIN MOHD ARIFIN, SYAZLIYANA BINTI ADAM, SAFIYYAH AINUL MARDHIAH BINTI JAMAL ABDUL HEKIM, MUHAMMAD HARITH SYAFIQ BIN ZAINUDIN, NURUL AININA BINTI REDWAN

5048

**MHD WILLIAMSON BOUNDARY LAYER FLOW OVER STRETCHING SHEET IN DOUBLE
STRATIFICATION MEDIUM**

NUR ATIFAH AUNI JASMIN, ZANARIAH MOHD YUSOF, RUHANA JAAFAR, NOR AINI HASSANUDDIN

5049

**RADIATION AND SLIP EFFECTS ON UNSTEADY BOUNDARY LAYER STAGNATION POINT FLOW
OVER A STRETCHING SHEET IN POROUS MEDIUM**

AHMAD MOHD HALIM, ZANARIAH MOHD YUSOF, RUHANA JAAFAR, NORAINI AHMAD

5050

**ANALYSING STRESS FACTORS AMONG NURSES USING FERMATEAN FUZZY STEPWISE WEIGHT
ASSESSMENT RATIO ANALYSIS (SWARA)**

MUHAMMAD AMMAR AFFANDI ROSDI, NUR SOLIHAN KHADHIAH ABDULLAH, NUR ATIKAH
SALAHUDDIN, NORHAMIMAH RANI, RUHANA JAAFAR

5057

PETPAL PRO BY FURREAL CREWS

NUR SUFIAH MUHAMMAD TAUFIK, DINIE SORFINA FATHANAH BINTI KAMARUL ARIFFIN, NURUL SYAKIRAH IZZANI BITI SAIFUL BAHARI, NUR ARFAH SYAFIQAH BINTI MOHD ALI JINAH, RUBIAH ABU BAKAR

5059

INNOVATIVE COCONUT DEHUSKING MACHINE: A SUSTAINABLE AND EFFICIENT APPROACH TO COCONUT PROCESSING

MUHAMMAD ILYAS BIN HARUN, MUHAMMAD FAIZ BIN MOHD MAZELAN, TS. MOHD ARZAIMIRUDDIN BIN ARIFFIN

5061

DRAMA RECOMMENDER SYSTEM USING COLLABORATIVE FILTERING

MUHAMMAD HAZIQ ZARRIN BIN JOHAR, UMMU FATIHAH BINTI MOHD BAHRIN, SHARIFAH NURULHIKMAH BINTI SYED YASIN

5065

MONEYFLOW : SMART EXPENSES MONITOR APP

NUR AQILAH BINTI ABDUL RAZAK, NOR ZALIAH BINTI ABDULLAH, NUR AYUNI BINTI A-AZIZ,
NUR FASIAH NAJWA BINTI MOHD ASRI, MUHAMMAD ATIF RAMLAN

5066

**EVALUATING ROAD ACCIDENT FACTORS USING FERMATEAN FUZZY STEPWISE WEIGHT
ASSESSMENT RATIO ANALYSIS (SWARA)**

MUHAMMAD AIMAN JOHARI, NUR SOLIAH KHADHIAH ABDULLAH, NORHAMIMAH RANI,
RUHANA JAAFAR

5067

SNAPFRAME

NURUL AKMAL SHAFIQAH BINTI MOHD ZAIDI, NUR'QURRATU ADILAH BINTI SARBINI,
SYAFIQAH NADHIRAH BINTI SYAWAL, NUREEN ALEESYA BINTI AZLAN,
MUHAMMAD ATIF RAMLAN

5068

ECOTRACK PACK: ENHANCING FOOD SAFETY THROUGH SMART PACKAGING TECHNOLOGY

ERIANA LIM BINTI MUHAMMAD RAZWAN LIM, NUR AQIELA BINTI AFFANDI, NABILAH HUSNA BINTI MOHD AZIAN, MUHAMMAD HAKIM IKRAM BIN ISMAIL, NAZUHA BINTI MUDA @ YUSOF

5069

LUNASPHERE: THE REMEDY FOR FOOD WASTING

MUHAMMAD AQILZAFRY BIN NOR KAMARUZAMAN, IQMAL BIN ROSLI, HANIF BIN MOHD BAKHTIAR, DANISH HAIKAL BIN SUHAIMI, ZOKREE BIN ABDUL KARIM

5077

HYDROBUDDY: WATER REMINDER APPLICATION

MUHAMMAD MUKHRIZ ABADI BIN MUHAMAD REZAL, MUHAMMAD SYARIFUDDIN BIN MOHD ZAFRI, NUR IMAN MYSARAH BINTI AMIRUDIN, SITI NOORSUHANA BINTI ABDUL RAHIM, MUHAMAMD ATIF RAMLAN

5078

POWER GENERATION ALLOCATION IN SMART GRID USING DWARF MONGOOSE OPTIMIZATION

MOHAMAD IRFAN SHAMANI, NUR ATIKAH SALAHUDIN, SYAZWANI MOHD ZOKRI,
NORHASLINDA ZULL PAKKAL, MUHAMMAD FAUZI EMBONG

5080

**CUBIC TRIGONOMETRIC AND NON-UNIFORM RATIONAL B-SPLINE : A TOOL FOR STUDYING
SHAPE VARIATIONS**

MUHAMMAD FIRDAUS BIN SAIZUL, NURSYAZNI BINTI MOHAMAD SUKRI

5084

CORNSENSE: LEAF DISEASE DETECTION APPLICATION

IFFAH FATINAH MOHAMAD NASIR, NORULHIDAYAH ISA,
UMMU FATIAH MOHD BAHRIN

5085

**MODELLING THE STOCK PRICES OF APPLE INC. USING AUTO REGRESSIVE INTEGRATED MOVING
AVERAGE (ARIMA) MODEL**

AFIQAH RUSYDA BINTI NURZULKIMY, CHE ANESSA SAKINAH BINTI CHE KHALIL,
JAMALIAH BINTI ABD KARIM, NAZUHA MUDA@YUSOF, ZOKREE ABDUL KARIM

5086

ERGOZEN MAX

MUHAMMAD ARIF IZZUDDIN BIN RAMLI, ZARITH SOFEA BINTI MOHD JUFRI, NUR AZZA IZZATY
BINTI AMAN, HILYATUL FAIZAH BINTI MUHAMAD FAKRUZI, MARINI BINTI MAMAT

5099

**PENGEMBARAAN ATOMIK (PATOMIK) E-LEARNING COURSEWARE FOR FORM FOUR CHAPTER 12
– NUCLEAR ENERGY USING BLOOM TAXONOMY**

CATHERINE ANNE, NORMALINA BINTI IBRAHIM, SITI 'AISYAH SA'DAN,
SITI NURUL HAYATIE ISHAK, DR GLORIA JENNIS TAN

5101

BILI SMART SPIN”: A PORTABLE SOLUTION FOR NEONATAL JAUNDICE DETECTION AND MONITORING

IFTIKA INTAN DIANA, NUR SYAMIMI MOHD GAWUS, FATIMAH SHAM, NORDIANNA SEMAN

5104

PREDICTING POPULATION GROWTH IN PERLIS USING LAPLACE TRANSFORM, EULER’S, AND FOURTH-ORDER RUNGE KUTTA METHODS

NUR HAMIZA BINTI BASRI, WAN KHADIJAH BINTI WAN SULAIMAN,
NUR HAMIZAH BINTI ABDUL GHANI

5107

IMPROVEMENT OF WATER QUALITY PARAMETERS USING PLANT BASED COAGULANTS

NURSYARIFAH HIDAYAH BINTI MANZOLKIPLI, ARISHA NADHIRAH RIZAL, MUHAMMAD AZIM BIN AZHARUL HISHAM, AHMAD NAUFAL BIN ALI KHAN, DR. FAUZI BIN BAHARUDIN

5113

DUMBBELL WEIGHT RACK WITH SENSOR

MUHAMMAD AFIQ ZAHRAN RIZALSHAM, AZIZUL HAKIM BIN SAMSUDIN, AB AZIZ BIN MOHD YUSOF, HAZIM BIN SHARUDIN, MAN DJUN LEE

5118

SMART PILL BOX

LIN ZHUONA, HUANG YUTING, CAO HUAYUAN, ZHANG YUANXIN, CHEN YULONG

5119

“MYK’AB”: THE FUTURE OF INTELLIGENT, ON-THE-GO BEAUTY SOLUTIONS

LIU ZHENZHEN, WANG XUN, LEE YEN THONG, TAN JIA HUI, YE ZIMING

SCIENCE & TECHNOLOGY
BRONZE *Award Winners*



5121

BABY CART-STROLLMATE

ONG KHA HUI, LYU WANYUN, LIU YUNYI, SHAO QIUTING, BURRA VENKATA DURGA KUMER

5122

ERGO TRANQUIL: SMART EYE MASK

KANG YUJING, WANG CHEN XUAN, BENALI NEJD, ZHANG LEYAO, YOUSIF IZZEDDIN

5123

ROBOCAR: AN INTEGRATED MOBILE ROBOTIC ARM FOR INDOOR HANDLING APPLICATION

AMIRUL HUSSAINI BIN MOHD HUSSIN, TENGKU MUHAMMAD ADAM BIN TENGKU MOHD FAIZ,
MUHAMMAD AQIM BIN MOHD SUHAIMI, HARRIES EIDMAN BIN MOHD NIZAM,
LIYANA BINTI ROSLAN

5130

REVIEW ON TRAFFIC NOISE CONTROL AND MITIGATION STRATEGIES

AZLAN BIN AHMAD, ROSIKA ARMIYANTI MAHARANI, RUSDIN LAIMAN,
MAZHANI MUHAMMAD, ZITTY SARAH ISMAIL

5133

INTEGRATION OF IOT FOR PERFORMANCE ANALYSIS IN TUBULAR WATER TURBINE SYSTEMS

MUHAMMAD DANISH ANAQI BIN MOHAMAD LATPI BAHRI,
DR. NUR ZULAIKHAH BINTI NADZRI

SILVER AWARD

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SCIENCE & TECHNOLOGY
SILVER Award Winners



5002

ALOE VERA WITH HONEY-BASED HYDROGEL LIP BALM

NUR ALISSA BINTI OMAR, SALAMIAH BINTI ZAKARIA

5006

**CAFÉL: CONFIDENCE-BASED ASSESSMENT FRAMEWORK ENHANCED WITH ENSEMBLE
LEARNING (RANDOM FOREST AND CATBOOST)**

NUR MAISARAH BINTI NOR AZHARLUDIN, TS. DR. KHYRINA AIRIN FARIZA BINTI ABU SAMAH

5008

ED_ARM 4X: AN INNOVATIVE 4-AXIS ROBOT ARM FOR STEM EDUCATIONAL ENHANCEMENT

SYED AHMAD HAIKAL BIN SYED SHAHARUDDIN, ARIEF DANIEL BIN MOHD NIZAM,
TS. AINAA MAYA MUNIRA BINTI ISMAIL

5009

MAN_EDUG: AN INTERACTIVE MANUAL GEARBOX TRANSMISSION FOR EDUCATIONAL PURPOSES

ARIEF DANIEL BIN MOHD NIZAM, SYED AHMAD HAIKAL BIN SYED SHAHARUDDIN,
TS. AINAA MAYA MUNIRA BINTI ISMAIL

5013

MULTIPURPOSE CART-LADDER

MOHAMAD AIMI ZUHAIRI FIKRI BIN MOHD AIMI ZAMANI, NAJIBAH BINTI AB LATIF,
AINAA MAYA MUNIRA BINTI ISMAIL

5014

MANUAL RAMMING MACHINE FOR CASTING PROCESS

MUHAMMAD HAZIM BIN MD AZLI, NAJIBAH BINTI AB LATIF,
AINAA MAYA MUNIRA BINTI ISMAIL

5016

MASTER MECHANISM DESIGN AND CONTROL FOR A MASTER-SLAVE ARM ROBOT

ZAINUL HAZIMAN BIN HISAM, DR. RUHIZAN LIZA AHMAD SHAURI

5020

WATER CLARITY MONITORING AND WARNING SYSTEM USING ESP32

MUHAMAD SYARAFUDIN IDRIS BIN ZAINAL EFENDY, MASMARIA ABDUL MAJID,
NOOR HAFIZAH KHAIRUL ANUAR, NORHALIDA OTHMAN, NUR AMALINA MUHAMAD

5021

**INSIDE ME: AN INTERACTIVE APP FOR TEACHING EMOTION RECOGNITION TO CHILDREN WITH
AUTISM SPECTRUM DISORDER**

NURAFIQAH BINTI MOHAMAD KAMEL, AFIFAH IZZATI BINTI MOHD SALLEH, NORDIANA SUHAILY
BINTI NORDIN, WIZNI HASANAH BINTI AWANG, NURUL KU HARMILA BINTI ABDUL ZALIF

SCIENCE & TECHNOLOGY
SILVER *Award Winners*



5022

QWIKHIVE

NURUL ELYA SHAZANA BINTI MOHD ALBAKRI

AZZATUL HUSNA BINTI ABDUL AZIZ, NUR DIYANA AFINI BINTI ROSLAN, NAJDAH BINTI ABD AZIZ

5024

**RECYCLABLE WASTE CLASSIFICATION USING YOLO-BASED CONVOLUTIONAL NEURAL
NETWORK (CNN)**

SHAHARIL ARMIN BIN SHARIZAL, NOR HASNUL AZIRAH ABDUL HAMID

5025

LET ME COOK! AI-DRIVEN MOBILE APPLICATION

MUHAMMAD IRFAN RAZIQ BIN Y D NAHAR, FABIAN HARISSON ANAK THOMAS TARANG,
KHAIRY RAZIN GUOZEN CHAN, NURHIDAYATI BINTI MUHAMMAD SHAHRULMIZAM,
DR. NORHASLINDA BINTI ZULL PAKKAL

SCIENCE & TECHNOLOGY
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5030

MENU RECOMMENDATION FOR RESTORAN JANNAT SABA USING MARKET BASKET ANALYSIS

DINIE SORFINA FATHANAH BINTI KAMARUL ARIFFIN, NOR HASNUL AZIRAH ABDUL HAMID

5035

SMART ROTARY BBQ MACHINE

ADAM ISKANDAR BIN AZLANI, NORJASWEEN ABDUL MALIK, NURUL HANNA MAS'AUD

5039

DETECTION AND CLASSIFICATION RAILWAY DEFECTS USING MOBILEVIT

SARAH IZZATI BINTI RAZAK, NURINA AIDA BINTI RAMLI, NUR IZYANI BINTI MOHD AMRAN ARIF,
ROSNIZA BINTI ROSLAN

SCIENCE & TECHNOLOGY
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5042
SWIFTZ

TUAN NORNAJIHAH MEGAT SALIM, NOOR ALINA FARIHA ASMADI, AQIL SYUKRI AMINUDDIN @ SAHAR, NUR ATIKAH SALAHUDIN, NOR SOLIHAN KHADIAH ABDULLAH

5046

TECH-DRIVEN SUSTAINABILITY: TRANSFORMING KITCHEN PRACTICES WITH BIOSINKERRA

WAN SYAHIDATUL ATIKAH BINTI WAN MOHD RUSLI, WAN SERI IRYSHA BINTI WAN AHMAD FARHAN, ALISA SOFIA BINTI MOHD NUHAIRI, ASHMA' ROOSYIDAH BINTI IBRAHIM, NOORUL HUDA BINTI ZAKARIA

5051

EXAMINATION INVIGILATION TIMETABLE USING GENETIC ALGORITHM

MOHAMAD FAKHRULLAH BIN IBRAHIM, DR. NORULHIDAYAH ISA

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5058
SNACON

AMIRUL FARIS BIN ASRUTHANI, SARAH YUSOFF, AMIRUL HAZIQ BIN ROSELIN, DANIEL ZAMEER SHAH BIN MOHD SABRI, HAZREEN SYUKRY BIN MOHAMAD

5062
CLOSETPRO MK1

ABDULLAH BIN MOHD SAIDI, AHMAD FAKRULAZIZI BIN ABU BAKAR, AKMAL HAMIZAN BIN AHMAD WAHI, MOHAMAD SHAHRULNIZAM BIN ROSMADI, MUHAMAD SYAKIR ALIF BIN MOHD SAREN

5063
PINEAPPLE VISION: AUTOMATED PINEAPPLE CULTIVAR RECOGNITION AND CLASSIFICATION SYSTEM

MUHAMMAD IRFAN BIN ROZLAN, MOHAMAD FAIZAL AB JABAL, SAFFA RAIHAN BINTI ZAINAL ABIDIN, GLORIA JENNIS TAN

5064

PIQUENIQUE: THE FUTURE OF MULTIFUNCTIONAL OUTDOOR LEISURE

SITI AISYAH BINTI ZULKEFLI, SARAH YASMIN BINTI YUSZAIRULAKHBAR, DAYANG QAISARA BALQIS
BINTI MASRANTI, NUR ALYA ADRIANA BINTI MOHD SHAKAWI,
NOORUL HUDA BINTI ZAKARIA

5071

**SAFELINK: MALICIOUS URLS DETECTION APPLICATION USING MACHINE LEARNING BY
APPLYING TEXT MINING**

AMIRUL HAKIMI BIN ASMADI, TS. DR. RAJESWARI RAJU

FATTORING : BODY FAT DETECTOR BY FACE SCANNING APPLICATION USING YOLOV8

MUHAMMAD ADLI SYAHMI BIN SHAHARUDDIN, TS. DR. RAJESWARI RAJU

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5075

AQUAVELO

NURUL UMAIRAH BINTI MOHD BADLI, ALEEYA BINTI AHMAD MAHMUD, DAMIA SYAFIQAH BINTI MOHD SALLEH, NUR ALIA ALESYA BINTI ABDUL AZIZ, NOOR ERNI FAZLINA BINTI MOHD AKHIR

5076

AUTOMATED MUSIC CHORD RECOGNITION SYSTEM USING CONVOLUTIONAL NEURAL NETWORK(CNN)

ABDUL QHADIR JAILANI BIN AZHARI, DR. NAJIAHTUL SYAFIQAH BINTI ISMAIL

5079

AEGIS: WEARABLE SAFETY RING

AMERA NATALIA MAH BINTI MUHAMMAD ADAM MAH, NUR ILLAILA NADIAH BINTI ZAIRI NOOR, ALIAH ANISAH BINTI APISZAL, NUR AFIQAH BINTI ABDUL RAHIM, SYAZWANI MOHD ZOKRI

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5081

DEMAND RESPONSE OPTIMIZER FOR SOLAR ENERGY GENERATION USING GENETIC ALGORITHM

MUHAMMAD ASYRAAF BIN ADLAN, NORLINA MOHD SABRI, NIK MARSYAHARIANI NIK DAUD,
GLORIA JENNIS TAN

5087

**HOSTEL ROOM SELECTION SYSTEM WITH ANALYTICAL HIERARCHY PROCESS (AHP) SUPPORT
TOOL**

NURUL SYAKIRAH IZZANI BINTI SAIFUL BAHARI, NIK MARSYAHARIANI NIK DAUD,
NORLINA MOHD SABRI, NOR AZILA AWANG ABU BAKAR

5088

**PROBIZ: MULTIMEDIA E- LEARNING FOR SPM STUDENT USING GAGNE'S NINE EVENTS OF
INSTRUCTION**

AZIZIR RAZI BIN RUHAIZAM, GLORIA JENNIS TAN, SITI 'AISYAH SA'DAN,
NORMALINA BINTI IBRAHIM

5094

REVOLUTIONIZING QUANTUM LIGHT: ANTIBUNCHING CONTROL IN NONLINEAR SHG COUPLERS

MOHD SYAFIQ AIMAN BIN MOHD HANAPI, ASSOC. PROF. DR. ABDEL-BASET M.A. IBRAHIM

5095

WEEDY AND CULTIVATED RICE IDENTIFICATION USING DEEP LEARNING CLASSIFIER

MOHAMAD ZIKRY BIN MOHAMAD SHUKRY, SHUZLINA ABDUL RAHMAN,
NORLINA MOHD SABRI

5100

**DYNAMIC INTERACTIONS BETWEEN UNEMPLOYMENT RATE AND MALAYSIA'S GROSS DOMESTIC
PRODUCT (GDP): FORECASTING USING VECTOR AUTOREGRESSION (VAR) APPROACH**

YUSRA NADATUL ALYSHA BINTI YUSRAMIZAL, DR. NURUL NISA' BINTI KHAIROL AZMI

SCIENCE & TECHNOLOGY
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5108

THE ADVANCED CORRODED PIPE STRUCTURAL INTEGRITY SYSTEM (A.D.A.M.)

MUHAMMAD TAUFIK BIN AMIR HASSAN, IR. DR. MOHD SHAHROM BIN ISMAIL,
RUSSELL SPIELBERG RICHARD LIANGSON, PROF. IR. DR. JAMALUDDIN MAHMUD,
DR. MOHD NOR AZMI BIN AB PATAR

5110

**A DUAL-FUNCTIONAL BIOBASED GELATOR FOR SELECTIVE OIL REMOVAL AND HEAVY METAL
ADSORPTION**

NURUL NAJWA NASHYRAH YUSSUF, NUR ATIQAH SYUHADA FADZLIM,
NOR WAHIDA AWANG, MOHAMED MEHAWED ABDELLATIF

5111

OPTIMIZING PATIENT EXPERIENCE: WAITING TIMES PREDICTOR SYSTEM (WTPS)

SYAZLEEN ADREANA BINTI SULAIMAN, IREEN MUNIRA BINTI IBRAHIM, FARIDAH BINTI ZULKIPLI,
AHMAD FARID BIN NAJMUDDIN, SITI ROZANAE BINTI ISMAIL

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5120

ERGOVOYAGE

ZHAO ZHENG, ZHANG SIYU, LIU YISHAN, BURRA VENKATA DURGA KUMAR, TEH JIA YEW

5126

EZICOUNT

NUR ASHIKIN BINTI SALIM, DR. MOHAMAD HAIDER BIN ABU YAZID

5129

**NEUROTASTE: A WEARABLE TONGUE INTERFACE FOR ELECTRICAL TASTE SIMULATION IN
DIETARY AND MEDICAL APPLICATIONS**

ANASTASIA CITRA NEGARA, M RAFFI FIRDAUS, KHADIJAH RAIHAN
ANGELENE CORNELIA SIREGAR, AZAREEL CRISTIAN CAESAR GINTING

SCIENCE & TECHNOLOGY

SILVER *Award Winners*



5131

THEAKAD: A FREELANCE WEDDING SERVICES & ESSENTIALS PLATFORM FOR MODERN BRIDES

LAILA AIRINNA BINTI RAFI ADI, DR. AB RAZAK CHE HUSSIN

5132

LAPTUKAR - CARSOME BUT IT'S LAPTOP

ABDUL RAHMAN BIN MOHD JAMADI, NASRUL HAZIM BIN MOHAMAD

goid ***AWARD***

SCIENCE & TECHNOLOGY

5003

PAIN EASE PRO

NURUL ATIKAH BINTI MOHD ALIAS, SITI ZAMILAH BINTI ABDULLAH SAIDI,
FATIMAH BINTI SHAM

5019

**SUNFLOWER OIL-BASED BIOLUBRICANT: A SUSTAINABLE ALTERNATIVE TO PETROLEUM-BASED
LUBRICANTS**

MUHAMMAD MUIZZUDDIN BIN KHAIRUDDIN, MUHAMMAD AIMAN BIN AHMAD SALLEH,
DR. ASIAH BINTI ABDULLAH, DR. NURAZIRA BINTI MOHD NOR

5023

FLIGHT DELAYS AND CANCELLATIONS PREDICTION AT KLIA

EIRINA NORFATHIAH BINTI MOHAMAD GHAZALI, NOR HASNUL AZIRAH ABDUL HAMID,
SYAFIRAH NA ILLAH BINTI SHAMSUL AZHAR

SCIENCE & TECHNOLOGY
GOLD *Award Winners*



5028

GAHARUMIND

NOOR AIDA SYAKIRA AHMAD SABRI, MUHAMMAD IKHSAN ROSLAN, NURLAILA ISMAIL,
ZAKIAH MOHD YUSOFF, MOHD NASIR TAIB

5029

MATH QUEST: JOURNEY THROUGH NUMBERLAND FOR SPECIAL EDUCATION CHILDREN

MUHAMMAD ALIF HAIKAL BIN NOOR ASHARUDIN, SHARIFAH ELLIA FAREEDA BINTI SYED
LOKHIKMAL HAKIM, SITI ZULAIKHA BT YAHYA, KU RABIATUL ADAWIYAH BINTI KU AHMAD SHAH,
ERNA FARYZA MOHD POOT

5038

**DETECTION AND CLASSIFICATION OF INVASIVE ALIEN PLANT SPECIES IN MALAYSIA USING
EFFICIENTFORMER**

NURINA AIDA BINTI RAMLI, SARAH IZZATI BINTI RAZAK, NUR IZYANI BINTI MOHD AMRAN ARIF,
ROSNIZA BINTI ROSLAN

5056

PROTON 3S TASK TRACK: TASK MANAGEMENT SYSTEM USING NIELSEN'S HEURISTICS

NUR DIYANA AFINI BINTI ROSLAN, SITI NURUL HAYATIE BINTI ISHAK,
WAN SAFRA DIYANA BINTI WAN ABDUL GHANI

5070

**WEB-BASED MALAY VOCABULARY LEARNING COURSEWARE FOR EARLY CHILDHOOD
EDUCATION**

NUR ARFAH SYAFIQAH BINTI MOHAMAD ALI JINAH, FAZLIN MARINI BINTI HUSSAIN,
NORMALINA BINTI IBRAHIM @ MAT NOR

5082

ULTRAVIOLET INDEX PREDICTION SYSTEM USING LONG SHORT-TERM MEMORY ALGORITHM

MOHAMAD NAZRAN HASRIN BIN ZAKARIA, NORLINA MOHD SABRI, SHUZLINA ABDUL RAHMAN,
NOR AZILA AWANG ABU BAKAR

5083

FORECASTING UTILITY COST IN UNIVERSITY USING PREDICTIVE ANALYTICS

NUR SUFIAH MUHAMMAD TAUFIK, NORULHIDAYAH ISA, DR SYAHRUL HEZRIN MAHMUD

5096

NEURAMEDX: BREAST CANCER DIAGNOSTIC SYSTEM

AQIL AFZAL MOHD ZAHID, AMMAR HELMEY ISKANDAR MOHD RAYHAN,
AHMAD SYAFIE HASSAN, AZLIZA MOHD ALI, NAZIMAH AB MUMIN

5103

**PREDICTIVE INVENTORY MANAGEMENT FOR SMES: LEVERAGING BUSINESS INTELLIGENCE IN
SUNNAH FOOD RETAIL**

NOR NINA SYAKINA BINTI IBRAHIM, NURHILYANA BINTI ANUAR

5115

**WEB APPLICATION FOR INTERACTIVE FLOOD SUSCEPTIBILITY MAPPING USING SUPPORT
VECTOR MACHINE**

SITI AISYAH ZULKEFLI, DR. NOORADILLA ABU HASAN, TS. DR. RASHIDAH MOKHTAR,
DR. NURADIB-MASPO

5125

**DIETCARE: ENHANCING NUTRITIONAL CARE DELIVERY THROUGH DIGITAL INTEGRATION IN A
UNIVERSITY CLINIC**

NUR NADZIRAH BINTI AZIZ, HAYATI MOHD YUSOF, ILY AMALINA AHMAD SABRI,
MOHD KAMIR YUSOF, NOOR SALIHAN ZAKARIA

5134

CONTEXT-BASED PANTUN RECOMMENDER APPLICATION

AMERA NATALIA MAH BINTI MUHAMMAD ADAM MAH, HASIAH MOHAMED

BRONZE

AWARD

SOCIAL SCIENCE

5044

INNOVATIVE FEEDING SOLUTION FOR PARENTS ON THE GO (BABYBITES V2)

SHEIKH ANAS DANIAL BIN SHEIKH ROSLAN

NUR FATHIN SYUHANA BINTI FAUZEE

NUR MAISARAH BINTI GHAZALI

NOORUL HUDA BINTI ZAKARIA

5045

HIJABEASE: SMART MIRROR & AI FOR PERFECT LOOKS

SITI SARAH ZAINAB BINTI MOHD SHAFUDDIN

NURIN ILYANA BINTI MOHAMAD NADZLI

SHAHIRA IZWANI BINTI MOHD AINAN

FATIN NOORAZLINI BINTI ALI

NOORUL HUDA BINTI ZAKARIA

SOCIAL SCIENCE

BRONZE *Award Winners*

5073

OMNI TABLE

AFIQAH RUSYDA NURZULKIMY
CHE ANESSA SAKINAH CHE KHALIL
JAMALIAH KARIM
NUR IMANINA LOKMAN
NOR JAWANEES AHMAD HANAFIAH

5074

JAWIGENIUS

NUR ZULAIKHA BT MOHD ZAMRI
NURDALIA FATINI BT SAIFUL FADHI
ALIA NARISYA BT SAIFUL BAHRI
NUR NAJIHAH BT ASAUDI
NOR JAWANEES AHMAD HANAFIAH

5102

A NEW ANIMATED BREATH FOR HIKAYAT BAWANG PUTIH & BAWANG MERAH: A FUSION OF FIVE

DISTINCT ANIMATION STYLES

KHAIRUNNISA BINTI MAZLAN

FATIN FARZANA BINTI ISMAIL

NUR ELLYZA REZA BINTI RAHIZAL

ALLEEYA SHAFINAZ BINTI AHMAD

DAYANG ADIBA MAISARAH BINTI AWANG BAKI

SILVER AWARD

SOCIAL SCIENCE

SOCIAL SCIENCE
SILVER Award Winners



5017

G-ISW (GAME OF ISLAMIC SPIRITUAL WELL BEING)

ROHAYA BINTI SULAIMAN
SITI FAIRUZ BINTI SUJAK
NORAISHAH P OTHMAN
NURUL HIJAH JASMAN

5040

THE LOCAL SABAHAN SPECIALTY MAP

ANI JUAINI BINTI BAHRIN
FARAH ADILLA AB RAHMAN
ASIYAH KASSIM

SOCIAL SCIENCE

SILVER *Award Winners*



5060

**THINK, REPHRASE, SUCCEED (TRS): A STRUCTURED PARAPHRASING MODULE FOR FUTURE
HEALTH PROFESSIONALS**

FARHANA BINTI HAJI SHUKOR

BOON YIH MAH

AHMAD ZIA UL-SAUFIE

NAZAR MOHD AZAHAR

5093

THE TWINKLING STAR: POEM ADAPTATION TO POP-UP STORYBOOK

HUDA HANANI BINTI MOHD HALIEMY

AFIFAH BINTI FADHLULLAH

5097

VALULINK: YOUR ESSENTIAL GUIDE TO PROPERTY VALUATION RESOURCES

NURAINAA NADHIRAH BINTI NUR AZLI

ASMA BINTI SENAWI

RADEN MOHAMMAD DZAFFRIANSYAH BIN R MOHD ANDRIANSYAH

NURSORAYA BINTI MAHADZIR FAHMY

MUHAMMAD FAIQ HAZIQ BIN MOHD FAUZEE

5124

BREAKING THE SILENT: ALERTING MENTAL HEALTH ISSUE

SHAMIL HAZEEM BIN KHAIRUL AZLY

ADRIANA BINTI ROZAIMI

NUR SUFIAH BINTI HAIRUL ANUAR

SHAHRIK ANUAR ABDUL GHALIM

NOOR HILMI MOHD JOHAN

SOCIAL SCIENCE

SILVER *Award Winners*



5127

PUBLIC SERVICE ANNOUNCEMENT: DIGITAL WORLD IS NOT A PLAYGROUND

AMIR ISKANDAR BIN SAIFUL LAH

ANITH LIYANA AMIN NUDIN

NUR IRDINA BINTI MOHD AZAIRI

MUHAMMAD AFIF AZFAR BIN ABDULLAH

GOLD

AWARD

SOCIAL SCIENCE

5005

**DIGITAL PRESERVATION OF INDIGENOUS FOLKTALES THROUGH AN INTERACTIVE MOBILE APP
FOR SUSTAINABLE GLOBAL EDUCATION**

SHARINA SAAD

MUHAMMAD IRFAN BIN HASNIZAN

5015

富有(FÙYǒU) FUYOO! : A CHINESE INTERACTIVE TEACHING AID

WAN NOORASHIKIN BINTI WAN SHAMSUDDIN

MUHAMMAD FAYYADH BIN MOHD AZMI

MUHAMAD IKHWAN BIN DERAMAN

SOCIAL SCIENCE

GOLD *Award Winners*

5037

KIDDOLEARN: NURTURING ALPHA INNOVATORS

NURIN IMAN BINTI HASSAN

MOHAMMAD FIRDAUS BIN KAMARUZAMAN

MUHAMMAD ASHRAF BIN AZRUL

NURHIDAYAH BINTI MD FAHME

DATIN DR. AINI FARIDAH AZIZUL HASSAN

5106

**DESIGNING COMMERCIAL SUSTAINABLE GULA APONG ORICESSING HUT: SWEET SAP
SANCTUARY**

ISAAC NG JIAN QIAN

PUTRI INSYIRAH MAISARAH BINTI RAZIQ RUKNUDDIN

PUTRI BATRISYIA IRDINA BINTI ISYHAK

ELDRENA MIKO ANAK HUDSON

TS. SITI HAMIDAH BINTI ABDUL HAMID

SOCIAL SCIENCE

GOLD *Award Winners*

5128

**ROAD SAFETY AWARENESS:
COMMUNICATING RESPONSIBILITY THROUGH STOP MOTION**

NUR SAKINAH BINTI MOHAMAD SAPARUDIN

ANITH LIYANA BINTI AMIN NUDIN

MUHAMMAD AMIR HAKIM BIN MOHD SUHAIMI

MUHAMMAD AMIRUL SYAFIQ BIN SHAHJOHAN

MUHAMMAD ASHRAF BIN YUSRI

BEST VIDEO AWARD

SCIENCE & TECHNOLOGY

SCIENCE & TECHNOLOGY

Best Video Award

ID: 5028

PROJECT TITLE:
GAHARUMIND

MEMBER(S):
NOOR AIDA SYAKIRA AHMAD SABRI
MUHAMMAD IKHSAN ROSLAN
NURLAILA ISMAIL
ZAKIAH MOHD YUSOFF
MOHD NASIR TAIB



BEST VIDEO AWARD

SOCIAL SCIENCE

SOCIAL SCIENCE

Best Video Award

ID: 5037

PROJECT TITLE:

**KIDDOLEARN: NURTURING
ALPHA INNOVATORS**

MEMBER(S):

**NURIN IMAN BINTI HASSAN,
MOHAMMAD FIRDAUS BIN KAMARUZAMAN,
MUHAMMAD ASHRAF BIN AZRUL, NURHIDAYAH BINTI MD FAHME,
DATIN DR. AINI FARIDAH AZIZUL HASSAN**



PLATINUM AWARD

SCIENCE & TECHNOLOGY

SCIENCE & TECHNOLOGY

Platinum Award

ID: 5028

PROJECT TITLE:
GAHARUMIND

MEMBER(S):
NOOR AIDA SYAKIRA AHMAD SABRI
MUHAMMAD IKHSAN ROSLAN
NURLAILA ISMAIL
ZAKIAH MOHD YUSOFF
MOHD NASIR TAIB



PLATINUM AWARD

SOCIAL SCIENCE

SOCIAL SCIENCE

Platinum Award

ID: 5037

PROJECT TITLE:

**KIDDOLEARN: NURTURING
ALPHA INNOVATORS**

MEMBER(S):

**NURIN IMAN BINTI HASSAN,
MOHAMMAD FIRDAUS BIN KAMARUZAMAN,
MUHAMMAD ASHRAF BIN AZRUL, NURHIDAYAH BINTI MD FAHME,
DATIN DR. AINI FARIDAH AZIZUL HASSAN**



DIAMOND

AWARD

SCIENCE & TECHNOLOGY

SCIENCE & TECHNOLOGY
Diamond Award

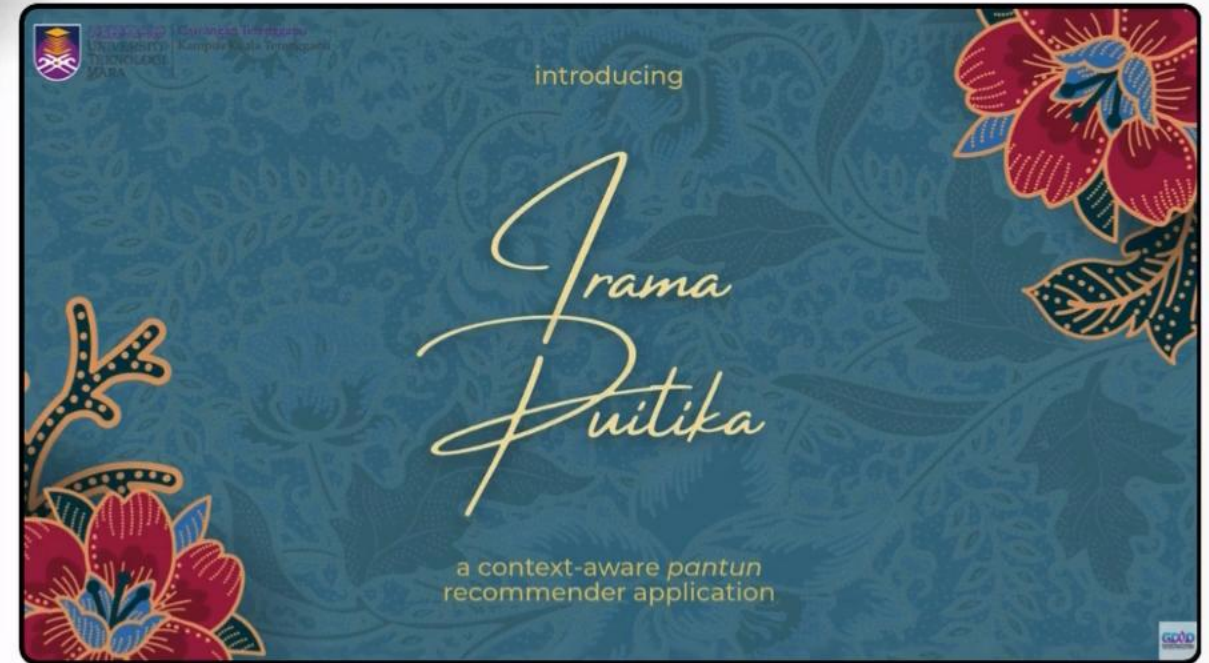
ID: 5134

PROJECT TITLE:

**CONTEXT-BASED PANTUN
RECOMMENDER APPLICATION**

MEMBER(S):

**AMERA NATALIA MAH BINTI MUHAMMAD ADAM MAH
TS. DR. HASIAH MOHAMED @ OMAR**



DIAMOND

AWARD

SOCIAL SCIENCE

SCIENCE SOCIAL

Diamond Award

ID: 5106

PROJECT TITLE:

**DESIGNING COMMERCIAL
SUSTAINABLE GULA APONG
ORICESSING HUT: SWEET SAP
SANCTUARY**

MEMBER(S):

**ISAAC NG JIAN QIAN, PUTRI INSYIRAH MAISARAH BINTI RAZIQ RUKNUDDIN,
PUTRI BATRISYIA IRDINA BINTI ISYHAK, ELDRENA MIKO ANAK HUDSON,
TS. SITI HAMIDAH BINTI ABDUL HAMID**





Graduate Digital Innovation,
Innovation & Design 2025

**HEARTFELT THANKS TO ALL
MEMBERS OF THE JURY,
REVIEWERS AND
PARTICIPANTS**



Graduate Digital Invention,
Innovation & Design 2025

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UMMU FATIMAH BINTI MOHD BAHRIN
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Secretary



DR. NORHASLINDA BINTI ZULL PAKKAL
Treasurer I



FAZILA BINTI ZUBIR
Treasurer II



ZANARIAH BINTI MOHD YUSOF
NUR SOLIHAH KHADHIAH ABDULLAH
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NURSYAZNI BINTI MOHAMAD SUKRI
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Certificate



TS. DR. MOHD TALMIZIE BIN AMRON
TALMIZI BIN ALI
Multimedia



NAZUHA BINTI MUDA
NOOR ERNI FAZLINA BINTI MOHD AKHIR
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SITI NURUL HAYATIE BINTI ISHAK
NOR AINI BINTI HASANUDDIN
Judging



SITI MUSLIHA BINTI NOR AL DIN
DR. SYAZWANI BINTI MOHD ZOKRI
RUHANA BINTI JAFFAR
Publication



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WAN MUHAMMAD IKHWAN BIN WAN MOHAMMAD
DR. NAJIAHTUL SYAFIQAH BINTI ISMAIL
ICT



FAZLIN MARINI BINTI HUSSAIN
DR. NURUL AININA BINTI REDWAN
Closing Ceremony



NOORUL HUDA BINTI ZAKARIA
DR. NAJDAH ABD AZIZ
Collaboration & Strategic Partners



NURUL AKMAL BINTI AWANG
Language & Content Management



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Innovation & Design 2025

CONGRATULATIONS TO ALL...

**HOPE TO SEE YOU AGAIN IN
OUR FUTURE EVENTS**