



PENCAPAIAN KV DALAM PERTANDINGAN ANTARABANGSA TAHUN 2021

KEMENTERIAN PENDIDIKAN MALAYSIA

MAKLUMAT PESERTA

Nama Peserta

- MUHAMMAD ISYRAF BIN MOHD NOOR
- MUHAMMAD AFIF BIN ROSLI
- NURUL AZIERAH BINTI ABD AZIZ
- NUR FARIDAH BINTI ZAHARI (PENSYARAH)
- SITI NOR SUHAIDA BINTI MUKHTAR (PENSYARAH)

Kolej Vokasional

KOLEJ VOKASIONAL SULTAN ABDUL SAMAD

Kedudukan

PINGAT PERAK

Nama Produk

RED BEETROOT BUTTER

Nama Pertandingan

PENANG INTERNATIONAL INVENTION, INNOVATION AND DESIGN 2021

Tarikh

10-11 MAC 2021

Tempat

ONLINE & VIRTUAL PRESENTATION

Nama Penganjur

UNIVERSITI TEKNOLOGI MARA CAWANGAN PULAU PINANG



FTH119 - PRODUCING RED BEETROOT BUTTER

MUHAMMAD ISYRAF MOHD NOOR,
MUHAMMAD AFIF ROSLI, NURUL
AZIERAH ABD AZIZ, NUR FARIDAH
ZAHARI, SITI NOR SUHAIDA MUKHTAR





PENCAPAIAN KV DALAM PERTANDINGAN ANTARABANGSA TAHUN 2021

KEMENTERIAN PENDIDIKAN MALAYSIA

MAKLUMAT PESERTA

Nama Peserta

- UMI KHALIDA BINTI ABDUL HAKIM
- AINA FAQIHAH BINTI RAZAK
- NUR EFFYZATUL SAADIAH BINTI ROSNI
- NURUL ALIYA SYUHADA BINTI MOHD ROSYAN
- SITI NADHIRAH BINTI ARZMI (PENSYARAH)
- NORFARAHIN BINTI SOLEH (PENSYARAH)

Kolej Vokasional

KOLEJ VOKASIONAL SULTAN ABDUL SAMAD

Kedudukan

PINGAT GANGSA

Nama Produk

NATURAL FOOD COLOURING FROM DRAGON FRUIT SKIN EXTRACT FOR
MACAROON PRODUCTS

Nama Pertandingan

PENANG INTERNATIONAL INVENTION, INNOVATION AND DESIGN 2021

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10-11 MAC 2021

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Nama Penganjur

UNIVERSITI TEKNOLOGI MARA CAWANGAN PULAU PINANG



FTH118 - PRODUCING A NATURAL FOOD COLOURING FROM DRAGON FRUIT SKIN EXTRACT FOR MACAROON PRODUCTS

UMI KHALIDA ABDUL HAKIM, AINA
FAQIHAH RAZAK, NUR EFFYZATUL
SAADIAH ROSNI, NURUL ALIYA
SYUHADA MOHD ROSYAN, SITI
NADIRAH ARZMI, NORFARAHIN SOLEH



BRONZE





PENCAPAIAN KV DALAM PERTANDINGAN ANTARABANGSA TAHUN 2021

KEMENTERIAN PENDIDIKAN MALAYSIA

MAKLUMAT PESERTA

Nama Peserta

- MUHAMMAD ALIFF HAIQAL BIN MUHILAL
- NURFARHANAH ALEESYA BINTI ZULKARNAIN
- IDA NAZIERA BINTI MASRI
- NURHAYATI BINTI GHANI
- NOORZAHIRAH BINTI MOHAMED (PENSYARAH)

Kolej Vokasional

KOLEJ VOKASIONAL SULTAN ABDUL SAMAD

Kedudukan

PINGAT GANGSA

Nama Produk

REMPEYEK JANTUNG PISANG

Nama Pertandingan

PENANG INTERNATIONAL INVENTION, INNOVATION AND DESIGN 2021

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Nama Penganjur

UNIVERSITI TEKNOLOGI MARA CAWANGAN PULAU PINANG



FTH115 - REMPEYEK JANTUNG PISANG

MUHAMMAD ALIFF HAIQAL MUHILAL,
NURFARHANAH ALEESYA
ZULKARNAIN, IDA NAZIERA MASRI,
NURHAYATI GHANI, NOORZAHIRAH
MOHAMED



BRONZE



PENCAPAIAN KV DALAM PERTANDINGAN ANTARABANGSA TAHUN 2021

KEMENTERIAN PENDIDIKAN MALAYSIA

MAKLUMAT PESERTA

Nama Peserta

- SHAKIRA SYAFIA BINTI SHALEHUDIN
- NURSHAFIRA BINTI SHAMSUL
- NUR SYAKILA RAUDHAH BINTI MOHD RAMIZU
- KHAIRUNNISA BINTI ASMADY KABISA (PENSYARAH)

Kolej Vokasional

KOLEJ VOKASIONAL SULTAN ABDUL SAMAD

Kedudukan

PINGAT GANGSA

Nama Produk

CLOTH STRAINER BAG

Nama Pertandingan

PENANG INTERNATIONAL INVENTION, INNOVATION AND DESIGN 2021

Tarikh

10-11 MAC 2021

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ONLINE & VIRTUAL PRESENTATION

Nama Penganjur

UNIVERSITI TEKNOLOGI MARA CAWANGAN PULAU PINANG



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PENCAPAIAN KV DALAM PERTANDINGAN ANTARABANGSA TAHUN 2021

KEMENTERIAN PENDIDIKAN MALAYSIA

MAKLUMAT PESERTA

Nama Peserta

- Ts. AZHAR BIN SULAIMAN (PENSYARAH)
- Ts. AZIZAN BIN SURADI (PENSYARAH)
- NOORHANIZAN BINTI HARUN (PENSYARAH)

Kolej Vokasional

KOLEJ VOKASIONAL SULTAN ABDUL SAMAD

Kedudukan

PINGAT PERAK

Nama Produk

KIT PEMBELAJARAN EASY BASIC PROGRAMMABLE LOGIC CONTROLLER
(EASY B-PLC)

Nama Pertandingan

PENANG INTERNATIONAL INVENTION, INNOVATION AND DESIGN 2021

Tarikh

10-11 MAC 2021

Tempat

ONLINE & VIRTUAL PRESENTATION

Nama Penganjur

UNIVERSITI TEKNOLOGI MARA CAWANGAN PULAU PINANG

DES132 - KIT PEMBELAJARAN EASY BASIC PROGRAMMABLE LOGIC CONTROLLER (Easy B-PLC)

*AZHAR BIN SULAIMAN, NOORHANIZAN
BINTI HARUN, AZIZAN BIN SURADI*



SILVER



KEMENTERIAN PENDIDIKAN MALAYSIA

MAKLUMAT PESERTA

Nama Peserta

- AMIN FARHAN BIN JAMALUDDIN
- NUR IZZATI BINTI ABD LATIF
- NURIN IZZAH BATRISYA BINTI ZULKARNAIN
- ZURINA BINTI MOHAMED ARSHAD (PENSYARAH)
- NABILAH HUDA BINTI ABD AZIZ (PENSYARAH)

Kolej Vokasional

KOLEJ VOKASIONAL SULTAN ABDUL SAMAD

Kedudukan

PINGAT PERAK

Nama Produk

RED VELVET CAKE AND BISCUIT FROM HOMEMADE BARLEY FLOUR

Nama Pertandingan

PENANG INTERNATIONAL INVENTION, INNOVATION AND DESIGN 2021

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10-11 MAC 2021

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Nama Penganjur

UNIVERSITI TEKNOLOGI MARA CAWANGAN PULAU PINANG

PENCAPAIAN KV DALAM PERTANDINGAN ANTARABANGSA TAHUN 2021

FTH117 - PRODUCING RED VELVET CAKE AND BISCUIT FROM HOMEMADE BARLEY FLOUR

*AMIN FARHAN JAMALUDDIN, NUR
IZZATI ABD LATIF, NURIN IZZAH
BATRISYA ZULKARNAIN, ZURINA
MOHAMED ARSHAD, NOOR JANNAH
HARON, NABILAH HUDA ABD AZIZ*



SILVER



PENCAPAIAN KV DALAM PERTANDINGAN ANTARABANGSA TAHUN 2021

KEMENTERIAN PENDIDIKAN MALAYSIA

MAKLUMAT PESERTA

Nama Peserta

- MUHAMMAD KHAIRIL AZWAN BIN SULAIMAN
- NURUL AMIRAH BINTI RIZMAN
- FATIN NADHIRAH ALIA BINTI MUHAMAD AZMI
- IZ DANY SYABEEL BIN ILHAM
- AZLIN NIZAM BIN ABDUL AZIZ (PENSYARAH)
- ATIKAH BINTI ISMAIL (PENSYARAH)

Kolej Vokasional

KOLEJ VOKASIONAL SULTAN ABDUL SAMAD

Kedudukan

PINGAT GANGSA

Nama Produk

KOENIGII CURRY CAKE

Nama Pertandingan

PENANG INTERNATIONAL INVENTION, INNOVATION AND DESIGN 2021

Tarikh

10-11 MAC 2021

Tempat

ONLINE & VIRTUAL PRESENTATION

Nama Penganjur

UNIVERSITI TEKNOLOGI MARA CAWANGAN PULAU PINANG

FTH116 - KOENIGII CURRY CAKE

MUHAMMAD KHAIRIL AZWAN
SULAIMAN, NURUL AMIRAH RIZMAN,
FATIN NADHIRAH ALIA MUHAMAD
AZMI, IZ DANY SYABEEL ILHAM, AZLIN
NIZAM ABDUL AZIZ, ATIKAH ISMAIL



BRONZE

PENCAPAIAN KV DALAM PERTANDINGAN ANTARABANGSA TAHUN 2021

NAMA KV	PENCAPAIAN & NAMA PERTANDINGAN	PRODUK	NAMA PESERTA
KOLEJ VOKASIONAL SULTAN ABDUL SAMAD	BRONZE PENANG INTERNATIONAL INVENTION, INNOVATION AND DESIGN 2021	KOENIGII CURRY CAKE	• MUHAMMAD KHAIRIL AZWAN BIN SULAIMAN • NURUL AMIRAH BINTI RIZMAN • FATIN NADHIRAH ALIA BINTI MUHAMAD AZMI • IZ DANY SYABEEL BIN ILHAM • AZLIN NIZAM BIN ABDUL AZIZ (PENSYARAH) • ATIKAH BINTI ISMAIL (PENSYARAH)
KOLEJ VOKASIONAL SULTAN ABDUL SAMAD	BRONZE PENANG INTERNATIONAL INVENTION, INNOVATION AND DESIGN 2021	NATURAL FOOD COLOURING FROM DRAGON FRUIT SKIN EXTRACT FOR MACAROON PRODUCTS	• UMI KHALIDA BINTI ABDUL HAKIM • AINA FAQIHAH BINTI RAZAK • NUR EFFYZATUL SAADIAH BINTI ROSNI • NURUL ALIYA SYUHADA BINTI MOHD ROSYAN • SITI NADHIRAH BINTI ARZMI (PENSYARAH) • NORFARAHIN BINTI SOLEH (PENSYARAH)
KOLEJ VOKASIONAL SULTAN ABDUL SAMAD	BRONZE PENANG INTERNATIONAL INVENTION, INNOVATION AND DESIGN 2021	REMPEYEK JANTUNG PISANG	• MUHAMMAD ALIFF HAIQAL BIN MUHILAL • NURFARHANAH ALEESYA BINTI ZULKARNAIN • IDA NAZIERA BINTI MASRI • NURHAYATI BINTI GHANI • NOORZAHIRAH BINTI MOHAMED (PENSYARAH)
KOLEJ VOKASIONAL SULTAN ABDUL SAMAD	BRONZE PENANG INTERNATIONAL INVENTION, INNOVATION AND DESIGN 2021	CLOTH STRAINER BAG	• SHAKIRA SYAFIA BINTI SHALEHUDIN • NURSHAFIRA BINTI SHAMSUL • NUR SYAKILA RAUDHAH BINTI MOHD RAMIZU • KHAIRUNNISA BINTI ASMADY KABISA (PENSYARAH)

PENCAPAIAN KV DALAM PERTANDINGAN ANTARABANGSA TAHUN 2021

NAMA KV	PENCAPAIAN & NAMA PERTANDINGAN	PRODUK	NAMA PESERTA
KOLEJ VOKASIONAL SULTAN ABDUL SAMAD	SILVER PENANG INTERNATIONAL INVENTION, INNOVATION AND DESIGN 2021	RED BEETROOT BUTTER	• MUHAMMAD ISYRAF BIN MOHD NOOR • MUHAMMAD AFIF BIN ROSLI • NURUL AZIERAH BINTI ABD AZIZ • NUR FARIDAH BINTI ZAHARI (PENSYARAH) • SITI NOR SUHAIDA BINTI MUKHTAR (PENSYARAH)
KOLEJ VOKASIONAL SULTAN ABDUL SAMAD	SILVER PENANG INTERNATIONAL INVENTION, INNOVATION AND DESIGN 2021	RED VELVET CAKE AND BISCUIT FROM HOMEMADE BARLEY FLOUR	• AMIN FARHAN BIN JAMALUDDIN • NUR IZZATI BINTI ABD LATIF • NURIN IZZAH BATRISYA BINTI ZULKARNAIN • ZURINA BINTI MOHAMED ARSHAD (PENSYARAH) • NABILAH HUDA BINTI ABD AZIZ (PENSYARAH)
KOLEJ VOKASIONAL SULTAN ABDUL SAMAD	SILVER PENANG INTERNATIONAL INVENTION, INNOVATION AND DESIGN 2021	KIT PEMBELAJARAN EASY BASIC PROGRAMMABLE LOGIC CONTROLLER (EASY B-PLC)	• Ts. AZHAR BIN SULAIMAN (PENSYARAH) • Ts. AZIZAN BIN SURADI (PENSYARAH) • NOORHANIZAN BINTI HARUN (PENSYARAH)

PENCAPAIAN KV DALAM PERTANDINGAN ANTARABANGSA TAHUN 2021

NAMA KV	PENCAPAIAN & NAMA PERTANDINGAN	PRODUK	NAMA PESERTA
KOLEJ VOKASIONAL SULTAN ABDUL SAMAD	SILVER INTERNATIONAL INNOVATION ARSVOT MALAYSIA (IAM) 2021	INTELLIGENT CASE MANAGEMENT	MARDHIAH HAYATI BINTI ABD HAMID @ SIDEK (PENSYARAH)
KOLEJ VOKASIONAL SULTAN ABDUL SAMAD	SILVER INTERNATIONAL INNOVATION ARSVOT MALAYSIA (IAM) 2021	KIT PEMBELAJARAN EASY BASIC PROGRAMMABLE LOGIC CONTROLLER (EASY B-PLC)	- Ts. AZHAR BIN SULAIMAN (PENSYARAH) - Ts. AZIZAN BIN SURADI (PENSYARAH) - NOORHANIZAN BINTI HARUN (PENSYARAH)



KEMENTERIAN PENDIDIKAN MALAYSIA

MAKLUMAT PESERTA

Nama Peserta

- PRAJESH A/L AGILAN
- MUHAMMAD HAFIZ FALIQ BIN MOHD FAUZI
- ROGER BIN JOHN (PENSYARAH)

Kolej Vokasional

KOLEJ VOKASIONAL SULTAN ABDUL SAMAD

Kedudukan

PINGAT EMAS

Nama Produk

AUTOMATIC ROOF SYSTEM

Nama Pertandingan

INTERNATIONAL INNOVATION, DESIGN AND ARTICULATION I-IDEA 2020

Tarikh

8-18 MAC 2021

Tempat

ONLINE & VIRTUAL PRESENTATION

Nama Penganjur

UNIVERSITI TEKNOLOGI MARA CAWANGAN PERLIS

PENCAPAIAN KV DALAM PERTANDINGAN ANTARABANGSA TAHUN 2021

CRYSTAL D
ONLINE DISTANCE INNOVATION COMPETITION

Organized by:
Research, Industry, Community, Alumni and Entrepreneurship (RICAEN)
Universiti Teknologi MARA Perlis Branch, Arau Campus
Perlis, Malaysia

CRYSTAL Innovation competition targets participations from three levels of participants with three separate events: Event D, Event E and Event F. Event D is mainly for **Primary And Secondary School Students** to present their innovation product. While Event E is targeting individual or group to come up with any kind of teaching and learning product for kindergarten. The third event for **CRYSTAL**, Event F, encourages individual or group participation to present innovation product for community development.

Registration Fee

Event	Local	International
Primary / Secondary School Innovation	Min RM150	USD60
Kindergarten Innovation	Min RM150	USD60
Community Innovation	Min RM150	USD60

Important Dates

Registration deadline, abstract & video submission
19th February 2021

Notification of acceptance
Two weeks after submission

Fee payment deadline
1st March 2021

Extended abstract submission deadline
5th March 2021

Changes on participant details/titles/abstract etc. deadline
5th March 2021

Judging period
8-18 March 2021

Announcement of winner
22nd March 2021

Contact

- <http://crystal-i-idea.org>
- crystalidea@gmail.com / inovasi@uitm.edu.my
- <https://www.facebook.com/ideautmperlis>
- +604-988 2028

Award
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BRONZE

“Empowering Research, Innovation Ideas and Entrepreneurship Towards Sustainable Economy”

UTM Perlis
Cawangan Perlis
Kampus Arau

CRYSTAL D RESULT (Primary / Se

PRODUCT ID	PROJECT TITLE
467	GREENHOUSE SMART GROW (GSG)
452	AUTOMATIC ROOF SYSTEM
281	IMPROVING STUDENT EDUCATION USING DIGITAL TOOLS — PERMATA A
445	Banana String (Insect Repellent)
259	Citrus Peel (Insect Repellent)
293	SMART COVER
337	Smart Sanitizer and Monitoring
277	
226	
267	
268	WATER-RESISTANT CO-CONSTRUCTION
224	LET'S SPELL IT RIGHT (LeSPIR) DIGITAL SPELLING APPLICATION
396	Multipurpose Bed
64	DURIOS CRACKER
197	Congak Revolution 4.0 Game (CR 4.0)
280	Arabic Aerodance
51	BIODEGRADABLE POTATO PLASTIC
54	THE EYE SAVER VERSION 3
55	RR COUNTER
459	SMART IOT Solah Assistant For Person With Disabilities
403	VERSATILITY BALL BOUNCE TOOLS
356	Betel Cream
14	EFFECTIVENESS OF “BP & PB” TECHNIQUE TO IMPROVE REMEDIAL PUPILS
52	MIRRERGY
469	BIOMASK
264	LINECLEAR
225	EMOSOUNDS
245	BUG IT OUT
292	ECO MULCH MATT FROM BANANA TRUNK
265	WHITE GOLD
466	Netobot
384	SLIDING DOOR BURGLARY ALARM (BAsED)
198	Wireless Remote Control of Mobile Sweeper Robot



KEMENTERIAN PENDIDIKAN MALAYSIA

MAKLUMAT PESERTA

Nama Peserta

- AZIM BIN AMRAN
- MUHAMMAD LUQMAN BIN SABRI
- RIZZUAN SAUFI BIN SALIHUDDIN
- NOOR ASHIQAH BINTI ABD GHANI (PENSYARAH)
- NOR ATIKAH BINTI MD. JIZAT (PENSYARAH)

Kolej Vokasional

KOLEJ VOKASIONAL SULTAN ABDUL SAMAD

Kedudukan

PINGAT PERAK

Nama Produk

SMART EXIT FIRE ALARM SYSTEM

Nama Pertandingan

INTERNATIONAL INNOVATION, DESIGN AND ARTICULATION I-IDEA 2020

Tarikh

8-18 MAC 2021

Tempat

ONLINE & VIRTUAL PRESENTATION

Nama Penganjur

UNIVERSITI TEKNOLOGI MARA CAWANGAN PERLIS

PENCAPAIAN KV DALAM PERTANDINGAN ANTARABANGSA TAHUN 2021

CRYSTAL F

Organized by:
Research, Industry, Community, Alumni and Entrepreneurship (RICAEN)
Universiti Teknologi MARA Perlis Branch, Arau Campus
Perlis, Malaysia

ONLINE DISTANCE INNOVATION COMPETITION

CRYSTAL Innovation competition targets participations from three levels of participants with three separate events: Event D, Event E and Event F. Event D is mainly for **Primary And Secondary School Students** to present their innovation product. While Event E is targeting individual or group to come up with any kind of teaching and learning product for kindergarten. The third event for CRYSTAL, Event F, encourages individual or group participation to present innovation product for community development.

Registration Fee

Event	Local	International
Primary / Secondary School Innovation (Event D)	MYR150	USD60
Kindergarten Innovation (Event E)	MYR150	USD60
Community Innovation (Event F)	MYR150	USD60

Important Dates

Registration deadline, abstract & video submission: **19th February 2021**

Notification of acceptance: **Two weeks after submission**

Fee payment deadline: **1st March 2021**

Extended abstract submission deadline: **5th March 2021**

Changes on participant details/titles/abstract etc. deadline: **5th March 2021**

Judging period: **8-18 March 2021**

Announcement of winner: **22nd March 2021**

Contact

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- Email: crystalidea@gmail.com / inovasi@uitm.edu.my
- Facebook: <https://www.facebook.com/ideauitmp Perlis>
- Phone: +604-988 2028

Scan for information updates

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"Empowering Research, Innovation Ideas and Entrepreneurship Towards Sustainable Economy"

CRYSTAL F RESULT (Community)

	PROJECT TITLE
362	Estuary Water Quality Monitoring Instrument for Sungai Kilim
137	THE DEVELOPMENT AND EXECUTION OF A COMMUNITY SERVICE INITIATIVE
439	Assessment Module (MoPen-PK)
446	DEVELOPMENT OF SOLIDS IN WATER for PULAU TUBA, LANGKAWI
302	DETECTION OF ALGAE BLOOM INSTRUMENT FOR SUNGAI MERBOK, KEDAH
435	EDUCATION GUIDE FOR PARENTS
436	Edon-Map: Early Detections of Nutrients for Pulau Tuba, Langkawi
437	Smart Exit Fire Alarm System
438	GHAT ROAD SMART VEHICLE DETECTION WITH ALERTING SYSTEM VIA SMARTPHONE (IOT)
200	Adapting Brain-based learning in a serious game application for Halus Students
248	The Development Of Health And Fitness Monitoring Mobile Application
447	VR CLASSROOM
375	DEVELOPMENT OF KINDNESS MALAYSIA MOBILE APP TO ENHANCE USER VOLUNTEERING ACTIVITY
457	Gracilaria changii & Gracilaria salicornia TO BIOPlastic FILM – ECONOMIC OPPORTUNITIES AND ENVIRONMENTAL BENEFITS
196	KWQ MAPS – A COASTAL WATER QUALITY MONITORING INSTRUMENT FOR PANTAI KOK, LANGKAWI
335	E-OKU@UNIVERSITY@: A COMMUNITY SERVICE MAPPING SYSTEM FOR PERSON WITH DISABILITY
195	Registration & Update Islamic Community System (RUICS)
	GUMBALL MACHINE IN SUBTRACTING OPERATION
	Online Mosque Audit Management System (OMAMS)

PENCAPAIAN KV DALAM PERTANDINGAN ANTARABANGSA TAHUN 2021

NAMA KV	PENCAPAIAN & NAMA PERTANDINGAN	PRODUK	NAMA PESERTA
KOLEJ VOKASIONAL SULTAN ABDUL SAMAD	GOLD INTERNATIONAL INNOVATION, DESIGN AND ARTICULATION I-IDEA 2020	AUTOMATIC ROOF SYSTEM	• PRAJESH A/L AGILAN • MUHAMMAD HAFIZ FALIQ BIN MOHD FAUZI • ROGER BIN JOHN (PENSYARAH)
KOLEJ VOKASIONAL SULTAN ABDUL SAMAD	SILVER INTERNATIONAL INNOVATION, DESIGN AND ARTICULATION I-IDEA 2020	SMART EXIT FIRE ALARM SYSTEM	• AZIM BIN AMRAN • MUHAMMAD LUQMAN BIN SABRI • RIZZUAN SAUFI BIN SALIHUDDIN • NOOR ASHIQAH BINTI ABD GHANI (PENSYARAH) • NOR ATIKAH BINTI MD. JIZAT (PENSYARAH)