



# TRANSFORMING COMMUNITY THROUGH EDUCATION IN THE 21<sup>ST</sup> CENTURY

**TRACE-21** 

Author: Muhammad Fahmi Sobree Bin Basree, Nur Izzah Nadiah Marsam,

Sofea Sharudin

Editor: Syed Yusof Syed Kechik, Shaik Abdul Malik Mohamed Ismail,

Muhamad Nur Hazim Mazlan, Noor Hakimah Sudin



#### TRANSFORMING COMMUNITY THROUGH EDUCATION IN THE 21ST CENTURY (TRACE-21)

Empowering community through academic programs to balance social class gaps in line with the objectives to enhance soft skills, provide holistic education as well as supporting the digitalization of education to prepare students to meet the needs of digital learning in tertiary education with the goal to increase marketability in human capital resources.

#### COMMUNITY EMPOWERMENT

Refers to the process of enabling the community to work collaboratively with university and subsequently take charge and improve the well-being of their own community through sustainable and impactful initiatives.

### INTRODUCTION

Universiti Sains Malaysia (USM) continuously supports the goals of USM's Apex agenda; to empower the bottom billion, and to propel USM's visibility as a knowledge powerhouse in support of our country's socio-economic progress and human capital development. This is in-line with the Ministry of Higher Education's agenda; the "University for the Community-U4S" initiative positioning knowledge transfer for the good of the community. In actualizing the agenda, USM has collaborated with the Northern Corridor Implementation Authority (NCIA) and Bumiputera Participation Coordination Division of Prime Minister's Department Implementation Coordination Unit (ICU JPM) to implement educational programs which focused on improving and empowering communities through education as a measure to balance social status gaps through its objective, by providing holistic education to the B40 group to achieve educational excellence and soft skills. Furthermore, a collaboration with Finnish Education Solutions (FEDS) Sdn. Bhd. representing Code School of Finland has been initiated for a coding project which focuses on design-based project learning for secondary schoolers.

Through the collaborations and strategic partnerships, NCIA has awarded USM a total amount of RM4,500,000.00 to implement the empower NCER program for a period of four (4) years (2020-2021 & 2021-2022) which focuses on academic training for Form 5 students,and complementary workshops for teachers and parents. On the other hand, ICU JPM has also awarded RM600,000.00 to USM for the implementation of developmental and educational programs focused on SPM candidates, parents and kindergarten students for a period of two (2) years (2020-2022).

In line with the emerging of new norms and development of the current education system, the use of technology has become a necessity and one of the important components in the implementation of the program. In this regard, USM has taken the initiative to assist program participants by providing gadgets and data plans. Through the efforts and collaborations with telecommunication and network provider companies, U Mobile Sdn.Bhd. has sponsored a data plan package amounting up to RMI38,720.00 to 340 program participants in phase 1 of empower NCER, while Celcom Axiata Berhad with a total sponsorship of RMI,094,940.00 to 1705 program participants in the second and third phase of the program.

## **FRAMEWORK**

#### TRANSFORMING COMMUNITY THROUGH EDUCATION IN THE 21ST CENTURY (TRACE-21)

#### VISION

Dedication to support & create equal learning opportunity for community empowerment

#### MISSION

To empower community of learners through purpose driven strategy by providing tailor-made solutions for bottom billion group to transform their socio-economic well being via education

#### **IMPACT STATEMENT**

Revolution of education has impacted bottom billion group to strive in coping with educational challenges. Hence, we are providing tailor-made approach for targeted community to achieve quality education and socio-economic development in the long run.

PARENTS		TEACHERS		
B40	PRE-SCHOOL	PRIMARY	SECONDARY	PRIMER MOVER
Parenting Enhancement Program (PEP)	Early Childhood Enrichment (ECE)	Human Capital Enhancement & Academic Training for Youth (CHANCE)	empowerNCER: Akademik  Academic Intensive Training Project (AITP-21)  Pre-SPM Academic Training Project 2022 (PSAT-22)	21st Century Teaching Strategies Workshop

lended Learning | Coaching | 21st Century Learning | Digitalisation of Education | Hands On | Minds On | Social Emotional Learning (SEL) | Career Guidance | Remedial & Enrichment | Gamification | Group Guidance

#### TRANSLATIONAL RESEARCH

## TRACK RECORD

#### empowerNCER:

#### Akademik

#### SCOPE

To provide students with the skills, knowledge and technological education to prepare the to meet the needs of digital learning in tertiary education with the goal to elevate marketability in human capital resources.

#### **ACTIVITY**

Engagement, rapport, online coaching, STEMtation, interactive quiz, fun learning, self mind survival, Techniques of answering SPM exam questions and workshops.

#### ICU

#### **SCOPE**

This program was developed with the aim of helping bumiputera low income families, especially B40 families in Penang. The programs implemented include the involvement of students, parents and school teachers through two (2) program categories in phases, namely:

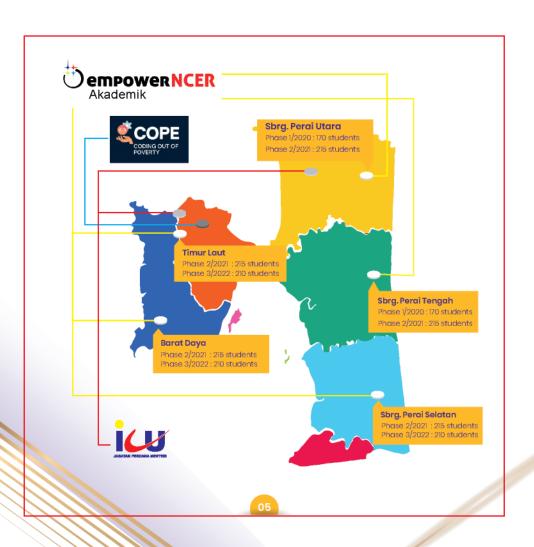
- Program Pembangunan Pendidikan (Keibubapaan)
- Early Childhood Enrichment Program (ECE)

#### **ACTIVITY**

Needs assessment, psychometric testing, development of guidance and training modules, coaching, fun learning, Jawi literacy, basic introduction to islamic spirituality, academic training, parenting workshops, spiritual talks, group guidance, creative video, case study based learning, problem solving techniques and workshops.

#### **MEDIUM**

Whatsapp, Video Call, SMS, Google Meet, Kahoot, Quizziz, Zoom, Webex



# **IMPLEMENTATION SCOPE**

#### Groundwork (Profiling & Designing Process)

#### **Activity 1**

- Engagement of stakeholders
- Selection of schools
- Profiling process
- Designing/Enhancing program module

# Execution (Implementation & Monitoring Process)

#### Activity 2

- Training of trainers (ToT)
- Module verification
   & endorsement
- Preparation & distribution of learning materials

#### Activity 3

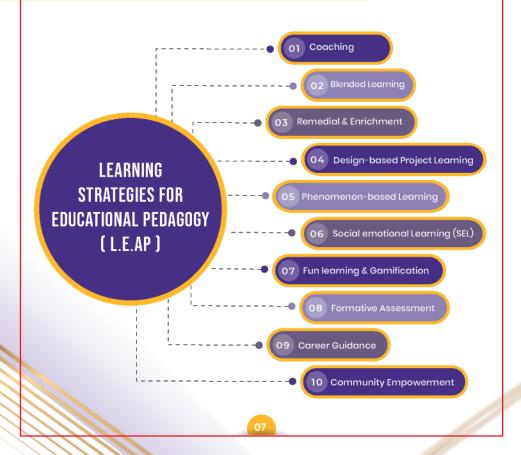
- Knowledge transfer
- Remedial & enrichment
- Assessments

#### Exit Strategy (Placement & Reporting Process)

#### Activity 4

- Roll out in placement
- Execution of marketing activities
   Activity 5
- Evaluate performance based on deliverables
- Reports

# LEARNING STRATEGIES FOR EDUCATIONAL PROGRAM PEDAGOGY – (L.E.A.P)



# **COLLABORATIONS**



**B40 Pulau Pinang Communities** 

IMPLEMENTING AGENCY -



**SPONSORS** 



































# **OVERALL OUTCOME**



90% overall passing rate



06

Empower over 1750 participants



2 55% students have improved in GPM



07

Generate at least 1 student innovation initiative



At least 10% of students obtained 5A's & above in SPM



80

Improve the educational standard of the community



80% students'
participation in program



09

Educational growth to boost the future life prospects



05 100% participation from low-income group(B40)



10

Improve marketability of B40 group

# **SUCCESS STORY: SPM 2020**

**EMPOWERNCER AKADEMIK PULAU PINANG (PHASE 1)** 

### SPM 2020 ACHIEVEMENT (PHASE 1)

DISTRICT	TOTAL OF SCHOOL	NUMBER OF SPM Candidates	TOTAL OF Overall passing Students		PERCENTAGE OF OVERALL PASS		TOTAL OF Students with 5a's and above		PERCENTAGE OF STUDENTS WITH 5A'S AND ABOVE	
			TRIAL SPM	SPM 2020	TRIAL SPM	SPM 2020	TRIAL SPM	SPM 2020	TRIAL SPM	SPM 2020
SEBERANG PERAI Utara	4	150	132	150	88	100	7	19	5	13
SEBERANG PERAI TENGAH	4	150	108	150	72	100	5	11	3	7
TOTAL	8	300	240	300	80%	100%	12	30	4%	10%

• Overall Passing Rate: 100% (300)

• Students Improved in GPM: 83% (249)

• 5A's & Above : 10% (30)

• Best Achievement : 10A's (1)

PRACTICE MODULE

# ENGLISH SPM

PROGRAM empowerNCER AKADEMIK PULAU PINANG 2021/2022 MODUL LATIHAN AKADEMIK

# BAHASA MELAYU SPM

PROGRAM empowerNCER AKADEMIK PULAU PINANG 2021/2022



MODUL LATIHAN AKADEMIK

### MATEMATIK SPM

PROGRAM empowerNCER AKA PULAU PINANG 2021/2022



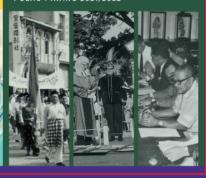
MODUL LATIHAN AKADEMIR

### SAINS SPM

PROGRAM empowerNCER A PULAU PINANG 2021/2022 MODUL LATIHAN AKADEMIK

### SEJARAH SPM

PROGRAM empowerNCER AKADEMIK PULAU PINANG 2021/2022









## TESTIMONY



Kaedah PdP yang menarik dan unik...

DR. ASAITHAMBY RAMAYAH

PK. Pentadbiran



Kelebihan program ini adalah saya dapat bersiap sedia untuk menduduki peperiksaan dan tidak perlu menambah sebarang bebanan keluarga saya seperti menyertai kelas tambahan, memberi banyak nota dengan kos yang tinggi dan sebagainya.

**CHUA SU JOE** 

Pelajar



Membantu saya dalam melatih diri untuk menjadi seorang guru, 👊

CIK NANG SOFWATUN NAJWA NEK ALI

Ketua Coaches



Banyak kelebihan yang saya dapat dari program ini antaranya saya mendapat tablet dan simkad. Hal ini sangat membantu saya dalam pembelajaran di rumah kerana saya mendapat data Umobile percuma yang disediakan oleh program ini.

AHMAD AIMAN IDHAM ANUAR

Pelajar



Suasana pengajaran dan pembelajaran yang baharu,

PN. NORAZLIN BINTI ZAINAL

PEN PPD SPU



Program ini memberi peluang kepada murid untuk kemudahan belajar dan membantu murid mendapat pencapaian yang terbaik dalam akademik.

**NUR SYAMIRA BT ISHAK** 

Pelajar

# PROGRAM COMITTEE

#### BAHAGIAN JARINGAN INDUSTRI DAN MASYARAKAT

NAMA	JAWATAN	MAKLUMAT PERHUBUNGAN		
En. Syed Yusof Syed Kechik	Pengarah	04-653 6411 syusof@usm.my		
Profesor Madya Dr. Shaik Abdul Malik Mohamed Ismail	Felo Penyelidik Kanan	04-653 6413 samohame@gmail.com		
En. Muhamad Nur Hazim Mazlan	Penolong Pendaftar Kanan	04-653 6416 mnhazim@usm.my		
En. Muhammad Fahmi Sobree Bin Basree	Penolong Pendaftar	04-653 6593 fahmisobree@usm.my		
Pn. Noor Hakimah Sudin	Penolong Pendaftar	04-653 6598 noorhakimah@usm.my		
Pn. Nur 'Izzah Nadiah Marsam	Pengurus Program	04-653 6425 nadiamarsam@gmail.com		
Pn. Sofea Sharudin	Pengurus Program	04-653 6462 sofeasharudin46@gmail.com		
En. Wan Anas Farhan Wan Amir	Pengurus Program	04-653 6418 wananasworkmail@gmail.com		

