

No.	Staff Name	Faculty / Centre	Project Title	Community Name	Brief Description Of Knowledge/Technology	SDG
1	Nur Azah Hamzaid	Faculty of Engineering (FEng)	Biological Aspects Of 4ir Cross-Creative Learning Environment For Autism Using Mobile Learning	Apple Autism Children	This Project Can Be Carried out with Merging Three Types of Learning Approaches Via 4IR, Which Are: i) Cross creative Physical based 4ir Learning; ii) Cross creative Digital based 4ir Learning; And iii) Cross creative Biological based 4ir Learning. Here, We Propose That Integration Of 4ir Across Physical, Digital, And Biological based Environments Will Potentially Assist Children With Autism.	<ul style="list-style-type: none"> • SDG 3: Good Health & Wellbeing • SDG 4: Quality Education
2	Faridah Othman	Faculty of Engineering (FEng)	Eco Heroes In Schools	SK Sungei Way Administrators, Teacher and PIBG Representative	N/A	<ul style="list-style-type: none"> • SDG 4: Quality Education
3	Adelina Asmawi	Faculty of Education (FoE)	Pearl For Petaling Jaya	English teacher, and students at PKNS flat	Pedagogy for English acquisition of the urban poor (pearl) English language competency practice of the English language lessons within the community a module for volunteer-teachers and students for milo and similar communities	<ul style="list-style-type: none"> • SDG 4: Quality Education
4	Nasrul Anuar Abd Razak	Faculty of Engineering (FEng)	Pemindahan Ilmu Teknik Febrikasi Prostetik Melalui Kaedah Laminasi	PLPP students and Prosthetic Users	Theory and practical on the technique of prosthetic lamination socket theory and practice on the technique of using resins, hardeners, dyes and PVA plastics	<ul style="list-style-type: none"> • SDG 3: Good Health & Wellbeing • SDG 4: Quality Education
5	Alwani Ghazali	Academy of Islamic Studies	A Life Dialogue: Towards Sustainable Nilai Muallaf	16 converts (Mualaf) with different backgrounds	<ol style="list-style-type: none"> 1. Dialogue or the ability to communicate empathetically and bilaterally effectively while providing moral support to them. At the same time, the converts will be gathered in a support group among themselves. they will be taught the skills to listen and respond effectively to help each other. 2. bread making skills to be commercialised as a source of income. 3. Basic Religious Education That Is Studying Al-Quran, Faith, Fiqh And Morals 	<ul style="list-style-type: none"> • SDG 4: Quality Education • SDG 11: Sustainable Cities & Communities

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6	Nur Azah Hamzaid	Faculty of Engineering (FEng)	Content Digitization Of Play-Based Stem Learning: A Parent's Guide	Parents, Parents and Teachers Association (PIBG), Their Children Need to Go Through Online or Online School-Based Learning	How can parents help stem learning and exploration with children at home, at school, and outside the home? a series of parent and stem guidebooks entitled "playing with stems" has been published in 'hardcopy'. we intend to produce a guide for parents in the form of video that can be browsed on the internet or in mainstream time media, to cultivate interest among parents to help their children deepen the field of stem and the like. They will also be inspired to examine their children's talents so that their children's talents and abilities can be polished more effectively. This is because, we found, children's choice to go into the field of stem and steam (science, technology, engineering, arts and maths) as a whole depends more on the interest nurtured since childhood and the support given by their parents and families at home.	<ul style="list-style-type: none"> • SDG 4: Quality Education • SDG 17: Partnership for the Goals
7	Nazean Jomhari	Faculty of Computer Science & Information Technology (FSKTM)	Jualan Atas Talian: Program Job Coach Remaja Oku	Autism and ADHD Group	<ol style="list-style-type: none"> 1. Basic information technology such as the use of social media application applications to interact and product marketing. 2. Photographic skills to produce advertisements for products and services 3. Search skills and use of applications in learning such as using Youtube and halal tube in improving the required skills. 4. Basic speaking and writing skills for the purpose of promotion and marketing of products and services. 5. Use the gateway application for online sales for special children. 6. Experience in educating special children, all project members have special children with autism who are growing up. 	<ul style="list-style-type: none"> • SDG 3: Good Health & Wellbeing • SDG 4: Quality Education

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8	Noraini Ahmad	Faculty of Science (FoS)	Program Jalinan Kimia	Science stream secondary school students in the Klang valley area.	This chemical networking program is organised to bridge the gap between schools and universities. Postgraduates can also contribute to elevating science, technology and innovation (STI) education in the country. school students will be participants in this chemical interweaving program. This chemistry networking program will also be joined by volunteers consisting of chemistry postgraduates and alumni of the Chemistry Department, Faculty of Science, University of Malaya. Volunteers of the chemistry interweaving program will share their skills and research results, as a motivation for the students to be interested in STI education. Apart from that, the technique of answering SPM papers will also be shared to increase the level of confidence of school students towards STI education and this can be used as an asset for the school.	<ul style="list-style-type: none"> • SDG 4: Quality Education • SDG 17: Partnership for the Goals
9	Noralina Omar	Faculty of Arts and Social Sciences (FASS)	Program Penguatan Keluarga Bagi Komuniti Terpinggir	Community at Lorong Hj Taib, Chow Kit, Kuala Lumpur 1. Parents/ Guardians 2. Adolescents 3. Children (10 Years and Above)	There are 3 knowledge and skills that will be transferred. The first knowledge is about parenting behaviour that will be given to parents or guardians for them to practice in everyday life especially when handling children or dealing with children. The second knowledge is about adolescent reproductive health to increase the knowledge and awareness of adolescents. The third knowledge is for children and early adolescents to provide understanding and knowledge of the challenges of life and the formation of self-identity.	<ul style="list-style-type: none"> • SDG 11: Sustainable Cities & Communities • SDG 17: Partnership for the Goals
10	Tengku Nurfarhana Nadirah Tengku Hamzah	Faculty of Dentistry (FoD)	Peningkatan Kesedaran Dan Pengetahuan Kanak-Kanak Pra-Sekolah Terhadap Kesihatan Oral Melalui Program "Teddy Bear Dental Clinic"	Preschool Children and Teachers	The TBDC group plans to produce teaching modules that can be used to teach preschool children about oral health and dental treatment so that methods of delivering dental knowledge to pre-school children can be well organised by teachers in kindergarten through a continuous approach in education. This involves themed modules according to the concept to be presented which are taught either face to face or recording and followed by private activities through reading materials and exercise books/activities. Apart from knowledge, the TBDC group also aims to change children's perceptions and behavioural control towards dental treatment.	<ul style="list-style-type: none"> • SDG 3: Good Health & Wellbeing • SDG 4: Quality Education

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11	Zuraidah Abdullah	Faculty of Education (FoE)	KPP X LOCOS (Low Cost Open Space Studio)	<ol style="list-style-type: none"> 1. GKMP 2. Chairmen of the Committee 3. Novice Teachers 4. Senior Teachers 5. PIBG 	<ol style="list-style-type: none"> 1. Understand the concept of professional learning community and practice KPP culture 2. Confident teachers share the best teaching experiences in the classroom 3. Develop leadership among teachers and pedagogy among them 4. Teachers are always creative and innovative in imparting knowledge and this is one of the approaches to attract the attention of z and alpha gen students to be more focused when in class sessions. an environment 5. Open learning that has the function of a video recording studio in the school will make it easier for teachers to record teaching and facilitation sessions (PDPC) independently that have their own commercial value. The video footage can also be used directly for replay at school and can also be shared with students from other schools who are more in need. 	<ul style="list-style-type: none"> • SDG 4: Quality Education • SDG 11: Sustainable Cities & Communities
12	Donnie Adams	Faculty of Education (FoE)	Microsoft Innovative Teachers: Train The Trainers	Teachers in Secondary and Primary Schools under the Sahabat Club of the University of Malaya	Train teachers on the integration of Microsoft 365 education technology in the learning and teaching process. the goal is to expose teachers to Microsoft 365 education technologies and resources that support the integration of blended learning in learning in line with 21st century skills, and the UNESCO ICT framework for teachers	<ul style="list-style-type: none"> • SDG 4: Quality Education
13	Mohd Nazri Abdul Rahman	Faculty of Education (FoE)	Modul Pembelajaran Hybrid Bagi Kanak-Kanak Prasekolah Pasca Covid-19	<ol style="list-style-type: none"> 1. NUTP Members (Teachers Registered with the Peninsular Malaysia Teaching Services Union) 2. Parents (Children in Selayang Vocational College Preschool) 3. Selayang Zone Kindergarten/Preschool Teacher 	Teachers and parents will be exposed to online pedagogical skills (post-covid-19 social incarceration pedagogy). A series of children's animations - Didi & friend are used as learning resource materials for teachers and parents to apply hybrid learning modules. This module contains two components, namely online pedagogy skills and skills to analyse and align the school curriculum according to current needs and online learning platforms. This module is conducted in the form of a teacher-parent guidance workshop with the help of NUTP to all NUTP members in all states.	<ul style="list-style-type: none"> • SDG 4: Quality Education

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14	Selvajothi @ Pillai A/L Ramalingam	Faculty of Language & Linguistics (FBL)	Baca Sambil Main- Kuasai Bahasa Melayu	Tamil national type school pupils (A total of 250 out of 524 Tamil schools across Malaysia)	Based on the Malay language proficiency among Tamil students, Tamil story books (folk tales) will be translated into Malay. Each story will have a glossary that should be mastered by them followed by follow -up exercises to strengthen their understanding as well as KBAT questions that are included to hone their thinking skills. This book will also be published in ebook form. In addition, language games via mobile phone applications will also be included in the book, so that pupils can enjoy reading and enjoy the practice of reading. The book will also be released in audio form.	<ul style="list-style-type: none"> SDG 4: Quality Education
15	Rohana Jani	Faculty of Economy and Administration (FEA)	Kesan Sosial Dan Ekonomi Covid 19 Terhadap Komuniti Pekak Di Malaysia	1. Association of the Deaf of Each State 2. Parents and Guardians of Deaf Children Kuala Lumpur 3. Malaysian Sign Language Interpreter	Guide them to master the language including reading and writing. product marketing through the internet as well as financial management so that participants will delve into the world of business and its continuity.	<ul style="list-style-type: none"> SDG 11: Sustainable Cities & Communities SDG 17: Partnership for the Goals
16	Firdaus Hariri	Faculty of Dentistry (FoD)	Modul Pembelajaran Dan Penghasilan Produk Kulit Bagi Projek Penjaanaan Ekonomi Golongan Ibu Atau Bapa Tunggal Daripada Kumpulan B40 Untuk Berhadapan Dengan Era Pasca Pkp Covid19	1.Single mothers from group B40. 2. Single father from group B40	Knowledge and technology transfer will involve the field of leather product manufacturing. aspects of knowledge and technology will involve the following: 1) Theory about skin types and methods of use in industry 2) Skin selection method 3) Leather product design method 4) Production methods that include cutting and suturing of the skin 5) Skin cutting method using laser machine 6) Basics of marketing	<ul style="list-style-type: none"> SDG 11: Sustainable Cities & Communities SDG 17: Partnership for the Goals
17	Husaina Banu Kenayathulla	Faculty of Education (FoE)	Pelaksanaan Modul Pembelajaran Literasi Kewangan Ibu Tunggal Asnaf Di Bawah Lembaga Zakat Selangor	Single Mother of the Asnaf Group	This module covers topics of financial behaviour, financial planning, budget preparation, savings, credit cards, insurance, financial fraud and cyber threat. financial literacy games using apps also introduced. this module will help Asnaf single mothers to make financial planning and spend wisely.	<ul style="list-style-type: none"> SDG 11: Sustainable Cities & Communities SDG 17: Partnership for the Goals

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18	Norlidah Alias	Faculty of Education (FoE)	Perlaksanaan "Chemistry 21st Century Lab Module" Di Kolej Matrikulasi Selangor	1. 35 Chemistry Lecturers in Matriculation Colleges 2. 800 Matriculation College Students	The purpose of the implementation of the 21st century pedagogy module and curriculum (chemistry 21st century lab module) is to strengthen pedagogical knowledge and skills by optimising the use of technology. A total of 40 Selangor matriculation college lecturers will participate in the implementation of the 21st century chemistry lab module which consists of blended learning in chemistry practice and 21st century pedagogy. through the chemistry practical curriculum, the implementation of each practical topic will use blended learning and hands-on active learning methods in each workshop. The impact of the study will be measured using the interview method with nine participants. The implementation of this project will be able to provide an opportunity for lecturers to deepen their knowledge of technology and teaching interactively, especially on the practicality of chemistry and potentially attract the interest of students. The teaching techniques to be exposed to the participants are very practical with new innovative ideas in teaching, in line with the post COVID19.	<ul style="list-style-type: none"> SDG 4: Quality Education
19	Rosilawati Zainol	Faculty of Built Environment (FBE)	Resilience And Technology-Know-How: Transforming The Local Farmers Business Model	- Farmers' Market Traders - Kelana Jaya Traders Association	<p>Cyclic Economy: Knowledge/technology will be transferred through training programs and hands-on projects. traders will be introduced to the concept of cyclic economics and how to apply it.</p> <p>Spatial Management: Will be introduced to traders so that they can provide maximum use of space.</p> <p>Health: Presented by representatives of Malaysian society of parasitology and tropical medicine. Therefore, traders will always be alert to the threat of disease.</p> <p>E-Marketing: Knowledge/technology will be transferred through training programs and hands-on projects. farmers will be introduced to the concept of e-marketing and continue to apply it by selling their products online. this project will be monitored until the traders have success in generating income</p>	<ul style="list-style-type: none"> SDG 11: Sustainable Cities & Communities SDG 17: Partnership for the Goals

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20	Nur Amani @ Natasha Ahmad Tajuddin	Faculty of Medicine (FoM)	Mental Health Program: Building Resilience For The Society Of Ppr Gombak Setia	Parents, Youth in PPR Seri Gombak Children in PPR Gombak	This project aims to create awareness on domestic violence, child neglect and grooming among our local community. We also plan to impart general knowledge on how to recognize the different types of abuse and information on where to get help for those who are in need through interactive activities provided. We hope that this would help to increase the awareness among the public, hence reducing its incidence within our local community.	<ul style="list-style-type: none"> SDG 3: Health & Well-being SDG 11: Sustainable Cities & Communities
21	Zulkifli Esha	Faculty of Built Environment (FBE)	Fairy Tale Lane Vertical Garden	Teachers and Students of Smk Jalan Empat Bandar Baru Bangi, Selangor	To provide consultation in planning, building and managing teaching space outside the environmentally friendly classroom "fairy tale lane vertical garden" at SMK Jalan Empat Bandar Baru Bangi by using recycled materials.	<ul style="list-style-type: none"> SDG 4: Quality Education SDG 13: Climate Action
22	Zakaria Alcheikh Mahmoud Awad	Faculty of Built Environment (FBE)	Promoting Young Generation Concern For Malaysian Cultural Heritage Through Knowledge Transfer	Teachers and Students of Smk Seri Hartamas, Kuala Lumpur	<ul style="list-style-type: none"> Learning strategies, cultural heritage and community development Identifying and dealing with concerned stakeholders Cultural heritage conservation and sustainability people awareness on cultural heritage creating income opportunities 	<ul style="list-style-type: none"> SDG 4: Quality Education SDG 11: Sustainable Cities & Communities
23	Nur Aulia Rosni	Faculty of Built Environment (FBE)	3c's Vertical Garden Fun Time- Collaborate, Compose And Construct	Teachers and Students of SMKA Maahad Hamidiah	Has a source of natural waste goods such as "food waste" and bamboo but does not make full use of it.	<ul style="list-style-type: none"> SDG 13: Climate Action SDG 17: Partnership for the Goals
24	Mahanim Hanid	Faculty of Built Environment (FBE)	Gamification In A Secondary School Classroom Setting	Teachers and Students of Sekolah Menengah Kebangsaan Seri Ampangan, Seremban, Negeri Sembilan	The development of this gamification template within the secondary school context has the potential to reap significant advantages. Within the context of education, engagement refers to the degree of attention, curiosity, interest, optimism, and passion that students show when they are learning or being taught, which extends to the level of motivation they have to learn and progress in their education; a combination of cognitive, behavioural and emotional engagement. the proposed gamification template would look into the overlap of the three variables, i.e. cognitive, behavioural and emotional in order to achieve student motivation, increase in students' eq as well as iq. Students who are engaged and motivated have been said to improve their ability to achieve in class as well as increase their emotional quotient (eq) which would be a big asset in the working environment later on when they graduate. being future leaders, future graduates need to be equipped with good iq and eq values	<ul style="list-style-type: none"> SDG 4: Quality Education

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25	Kho Mei Ye	Faculty of Built Environment (FBE)	Understanding And Interpreting Orthographic Projection Of Construction Drawings	SMK Cochrane Perkasa, Kuala Lumpur	Drawings and specifications are used as the means to communicate design to all the parties involved in the construction process. the understanding of orthographic projection of construction drawings and to orient different elements of construction drawings will help students to be able to come out with accurate estimation of dimensions for any given task.	<ul style="list-style-type: none"> SDG 4: Quality Education
26	Nor Haniza Ishak	Faculty of Built Environment (FBE)	Unity Gardening Drum	Teachers and Students of Smk Sultan Abdul Samad, Selangor	School development is a place where the teaching and learning process (T & L) takes place where the physical building, space and learning environment must be conducive and safe. To ensure that the school building and environment are always in good condition, the school community needs to be concerned and concerned about its performance. Therefore, the ktp program that is DIY building inspection-love your school will be conducted where students and school staff will be taught how to identify defects and damage to the building and conduct inspections of school buildings and the environment with the help of inspection checklist forms that will be provided. This can indirectly instil a caring and loving attitude towards the school and can be used as a regular school activity to ensure that the school building and environment are always maintained and safe and the R&D process will run smoothly.	<ul style="list-style-type: none"> SDG 11: Sustainable Cities & Communities SDG 13: Climate Action
27	Ati Rosemary Mohd Ariffin	Faculty of Built Environment (FBE)	Vermicomposting Towards Sustainable School Through Waste Reduction And Organic Compost Making	Teachers and Students of Sek Men Dato Sri Abdullah Badawi	The school has adopted vegetable planting in pots at the moment. Thus, it will be most beneficial for the school not to have to purchase fertilisers and instead use self-made organic compost. This is also to reduce organic waste from the canteen being thrown away into the skip bin / municipal waste. once the vermin composting (worm-farm) project have established and been expended in size, the school can sell the organic compost to PIBG and teachers.	<ul style="list-style-type: none"> SDG 11: Sustainable Cities & Communities SDG 13: Climate Action
28	Zahiruddin Fitri Abu Hassan	Faculty of Built Environment (FBE)	Budget Open Space Studio (Boss)	Teachers and Students of Merapok National Secondary School, Lawas, Sarawak	The school community this time is located in the interior of Sarawak and is a bit behind the educational technology infrastructure that is common in urban areas. improve skills and how to produce teaching aids in the form of videos as well as improve online communication skills.	<ul style="list-style-type: none"> SDG 4: Quality Education

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29	Nasrul Anuar Abd Razak	Faculty of Engineering (FEng)	Latihan Fizikal Realiti Maya Untuk Golongan B40 Oku	1. Puteri Zulaikha Kuala Terengganu Dialysis Treatment Center 2. East Coast Spinal Association	<p>Failure in rehabilitation therapy is a widespread issue among individuals with disabilities in Malaysia. According to the study, 9 out of 10 of these disabled individuals stopped doing physical exercise after a disability. Access to effective physical rehabilitation is very important especially to encourage these people involved to do physical exercise on an ongoing basis, thereby improving their quality of life. Among those who need physical training for rehabilitation purposes include paralyzed patients, stroke patients and patients after amputation. Motivation is a key factor for an effective rehabilitation program and is usually used as a benchmark to determine the success of a rehabilitation exercise. Conservative physiotherapeutic training by most rehabilitation centres often results in a significant reduction in motivation among patients in need of physical training. Dr. Nasrul Anuar from the Department of Biomedical Engineering, University of Malaya, based on his study, thinks that interactive rehabilitation based on virtual reality can increase the motivation and involvement of these patients. Virtual reality applications designed specifically for people with disabilities allow them to conduct continuous physical training with immersive virtual reality technology.</p>	<ul style="list-style-type: none"> • SDG 3: Good Health & Wellbeing • SDG 4: Quality Education