

NO.	STAFF NAME	FACULTY / CENTRE	PROJECT TITLE	COMMUNITY NAME	BRIEF DESCRIPTION OF KNOWLEDGE/TECHNOLOGY	IMPACT OF THE PROJECT	SDG
1	Sumiani Yusoff	Faculty of Engineering (FEng)	Program Menyelamatkan Bumi: Pengurusan Sisa Makanan Secara Sistemik	Local Residents/ Tenants P20	Knowledge transfer on general environmental conservation, separation of waste at source, integrated waste management and biological organic waste treatment/ other recycling initiatives such as collection and storage of reusable goods and energy recovery from wood waste, possible can be carried out through this project/ description of organic waste treatment technologies to further cover the technical and economic aspects/ development of a more effective, efficient and larger capacity composting system to the communities involved.	<ol style="list-style-type: none"> 1. Tipping fee of waste collection is reduced 2. Raised the awareness in Integrated Waste Management system among residents 3. Amount of compost produced 4. Sales of recyclable materials 	<ul style="list-style-type: none"> • SDG1: No poverty • SDG 2: Zero Hunger • SDG 12: Sustainable Consumption & Production • SDG 15: Life on Land
2	Maziah Mat Rosly	Faculty of Medicine (FoM)	Pertandingan Sukan Exergaming Untuk Golongan Kurang Upaya	Wheelchair Disabled Communities	Teaching sports or exercise effectively for the arms and upper body/ introducing exergaming sports to the disabled who use cheap technology, fun and can be used at home/ holding exergaming sports competitions for those who use wheelchairs.	<ol style="list-style-type: none"> 1. Introducing sports exergaming to individuals with physical disabilities, disadvantage youths and marginalised women 2. Promote sports exergaming enthusiasm to motivate a more active lifestyle among disadvantaged youths 3. Improving sports exergaming trainers' ability to coach individuals with physical disabilities, disadvantaged youth and marginalised women 	<ul style="list-style-type: none"> • SDG 3: Good Health & Well Being • SDG 9: Industry, Innovation and Infrastructure • SDG 10: Reduced Inequality

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3	Tai Mei Ling Sharon	Faculty of Medicine (FoM)	Association between serum homocysteine and functional outcome in the patients with Aschaemic stroke	Stroke patients aged 18-60 Years	This study is a cross-sectional study. The study will be conducted in Tun Abdul Razak Socso rehabilitation centre in melaka. The estimated number of patients to be recruited is approximately 100. This study will be done in collaboration with Dr Ong Kua Ghee, rehabilitation specialist in the rehabilitation centre.	<ol style="list-style-type: none"> 1. The young stroke patients benefited from blood taking for serum homocysteine 2. The public talks provide education to the patients and carers 	<ul style="list-style-type: none"> • SDG 3 : Good Health & Well Being
4	Eliza Hafiz	Centre for Sport & Exercise Sciences	Be A New U	UM staff who have weight problems	This program will teach participants how to control and lose weight in a proper and healthy way. participants will be taught about the proper way of exercise (intensity, frequency, behaviour) as well as the proper way of eating for a healthy lifestyle. Participants will be taught to calculate the calorie content in each food menu as well as calculate the caloric requirements for ideal weight control.	<ol style="list-style-type: none"> 1. Introduce participants to various exercise activities that can help weight loss efforts. 2. Provide participants with a comprehensive weight loss and control plan not only during the program, but more importantly after the program ends for long -term effects. 3. Provide knowledge on how to lose weight effectively and safely through talks that will be given by experts. 	<ul style="list-style-type: none"> • SDG 3 : Good Health & Well Being
5	Alwani Ghazali	Academy of Islamic Studies	An exploratory study on the concept of prophetic inter-faith dialogue among Malaysian youth	Youth 18-25 years old/ students of major Higher Institutions/ 3 Malaysian States: Selangor(UKM/UPM/ Uitm Shah Alam), Kuala Lumpur (UM/UIAM) and Negeri Sembilan (USIM)	The youth will be exposed to the interfaith dialogue models of the prophet muhammad/ skills for appropriate inter-racial interaction are transferred/ understanding of socio-cultural values of other races is enhanced/ the youth are able to spread the new perspective on religion and diversity, and their interaction between ethnic and religion to the larger community via social media/ in the long run, modules of multiracial and inter-racial dialogue can be introduced to the secondary and primary school students.	<ol style="list-style-type: none"> 1. Improve their perspective on dialogue and the Prophet Muhamad's inter-racial and interfaith relationship 2. They can apply the appropriate skills to interact with religious other based on the model of dialogue by the Prophet 3. Potential to spread the understanding on social media and create awareness to a larger community 	<ul style="list-style-type: none"> • SDG 4 : Quality Education

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6	Sharifah Hayaati Syed Ismail	Academy of Islamic Studies	Memasyarakatkan Perkhidmatan Awam (Mpa) Melalui Nilai Keterbukaan & Musyawarah Dengan Komuniti Asnaf(Kmka). Kajian Di Majlis Agama Islam Wilayah Persekutuan. Kuala Lumpur	PPR Seri Pahang, Lembah Pantai, Kuala Lumpur PPR Seri Pantai, Lembah Pantai, Kuala Lumpur	Knowledge transfer related to socialising the public service (MPA) through the value of openness and consultation with the Asnaf community (KMKA).	<ol style="list-style-type: none"> 1. Able to solve the problem of stress and Islamic identity development among KA & PA due to the stress of life, especially financial 2. Solve problems related to zakat management customer communication provided by MAIWP faced by KA & PA 	<ul style="list-style-type: none"> ● SDG 4 : Quality Education
7	Raihana Abdul Wahab	Academy of Islamic Studies	"Bringing Astronomy Community To Educate The People"	Member of hoshizora malaysia astronomy club/teacher/student of astronomy club/school astronomy	Provide consulting services to repair and train the management and maintenance of observatories and the use of equipment to community members/ improve existing astronomy/ astronomy modules and courses to community members/ provide astronomy projects to help the community carry out 'outreach' activities to the local community.	<ol style="list-style-type: none"> 1. The community has repaired the Observatory which has been poorly maintained and has returned to its role 2. The community has gained exposure to the Solar System course to be used to carry out activities at their club 3. The community has understood how to use the MITAKA software for the purpose of their club activities. This MITAKA software is an interactive software for astronomical activities 4. The community has shown interest in Astronomy through a visit to the Teluk Kemang Observatory 	<ul style="list-style-type: none"> ● SDG 4 : Quality Education
8	Rafidah Aga Mohd Jaladin	Faculty of Education (FoE)	Pemeriksaan Komuniti Ibu Tunggal (Pkit) Menggunakan Model Belas Diri (Self-Compassion)	Single mother	MPSJ has provided assistance in improving the economy of the single mother community only. They acquire knowledge and life skills through entrepreneurship guidance programs so that they can live and support their families. This project will help them achieve psychological well-being and holistic human development through knowledge transfer such as effective stress management, effective parenting skills, basic communicative english, life conflict management and productive emotional support group counselling.	<ol style="list-style-type: none"> 1. Increase the level of self-compassion 2. Lower levels of depression, anxiety and stress 3. Increase community participation in program activities 4. Gain awareness of mental health issues 	<ul style="list-style-type: none"> ● SDG 4 : Quality Education

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9	Aishah Ahmad Fauzi	Faculty of Medicine (FoM)	Participate In Praktif	Child cerebral palsy support group	Providing knowledge and basic needs for 'home-based therapy' tool kit in the form of videos and books-this preparation will be carried out with community groups and provide expertise training through 'training of trainers' workshops on 'home-based therapy' for mothers fathers who have children with cerebral palsy	<ol style="list-style-type: none"> 1. Knowledge, Attitude and Practice on home program for children with CP 2. Empower parents with knowledge and skills on basic home program for children with CP 	<ul style="list-style-type: none"> • SDG 3 : Good Health & Well Being
10	Ponmalar N Alagappan	Pusat Pencetus Bakat Dan Latihan Industri (Citra)	C2w Project	Craft entrepreneurs in the community/ housewives in the community/ youth in the community	Marketing management methods use community based marketing methods and innovation management skills in craft -based businesses	<ol style="list-style-type: none"> a) Develop an online and offline marketing platform with the community. b) Empowering community based marketing skills to 10 girls from the Mah Meri community. c) Empower innovation skills to 10 craft entrepreneur at Sungai Bumbum by developing a Craft Tourism venture to develop a sustainable distribution system 	<ul style="list-style-type: none"> • SDG 9: Industry, Innovation and Infrastructure
11	Yanti Idaya Aspura Mohd Khalid	Faculty of Computer Science & Information Technology (FSKTM)	Pembangunan Modul Pengurusan Maklumat Bagi Koleksi Braille Di Perpustakaan Persatuan Orang Buta Malaysia (Mab)	Persatuan Orang Buta Malaysia (Mab)	Systematic method of organising information (catalogue, index, authority control, lcs, call number) for braille materials for easy access/ production of modules to be used to manage, compile, and index materials into the library system/ provide guidance in producing library collection development policies good and orderly/ teaching methods of using knowledge library system to Mab library staff	<ol style="list-style-type: none"> 1. Braille book listing is ready to be used by the MAB Librarian in retrieving the Braille book. 2. The Braille catalogue in the ILMU system has been created, and ready to be accessed. The existence of catalogue records is a proof that the system is being used, so that the library can request for more funding. 3. Braille collection development policy helps MAB Library in developing the Braille collection effectively. 	<ul style="list-style-type: none"> • SDG 4 : Quality Education

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12	Muhammad Faizal A. Ghani	Faculty of Education (FoE)	Pengurangan Buta Huruf Dalam Kalangan Kanak-Kanak Lembaga Kemajuan Tanah Persekutuan (Felda) Menggunakan Modul Kurikulum Amud	Felda National School Pupils/ 7 Year Old Children	Professional learning communities (improvement and effectiveness of learning practices) and methodologies such as qualitative methods and action research.	<ol style="list-style-type: none"> 1. Awareness from the school about the need for learning sessions to be segregated between weak and intelligent students 2. Awareness of the importance of a module that has 4 main aspects namely (i) module objectives, (ii) content (iii) teaching strategies and (iv) evaluators 	<ul style="list-style-type: none"> • SDG 4: Quality Education • SDG 17: Partnership to Achieve the Goals
13	Zuraidah Abdullah	Faculty of Education (FoE)	Developing Coaching Skills of Student Teachers for Instructional Empowerment.	IPG Tengku Ampuan Afzan Community (Lecturer and Student Teachers	All the lecturers and student teachers involved in the project/study will be exposed to the importance of instructional coaching towards instructional improvement and not only applies to selected individuals	<ol style="list-style-type: none"> 1. Increase knowledge about PKT coaching 2. Teachers are increasingly curious about the importance of coaching PKT 	<ul style="list-style-type: none"> • SDG 4: Quality Education
14	Adelina Asmawi	Faculty of Education (FoE)	Pearl Project: A Taste Of Milo For Elt Module Development	Urban poor children at Mutiara Damansara	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	<ol style="list-style-type: none"> 1. Various teaching approaches suited to the urban poor children would be identified and explored through lessons conducted. 2. A module for volunteer-teachers and students would be produced with guidelines to teach English language to weak urban poor children. 	<ul style="list-style-type: none"> • SDG 4: Quality Education
15	Hazreen Abdul Majid	Faculty of Medicine (FoM)	Penyelidikan Diet Untuk Survivor Kanser Payudara Dan Penghasilan Maklumat Infografik Diet Untuk Pesakit Kanser Payudara	Women (18 years and older) who have recently had breast cancer and are also breast cancer survivors	The community will be shared with information and knowledge through scholarly materials in the form of infographics. in addition, the community will also know their overall nutritional status	Dietary evaluation	<ul style="list-style-type: none"> • SDG 3 : Good Health & Well Being
16	Wan Yusoff Wan Sulaiman	Faculty of Medicine (FoM)	A Community Surveillance Control Of Aedes Mosquitoes In Petaling Jaya, Selangor	Adult (21 Years and Above)	The affected communities will be taught how to identify and classify mosquito species such as Aedes or Culex mosquitoes through observation of the physical characteristics of the captured mosquitoes.	<ol style="list-style-type: none"> 1. Improve and strengthen the knowledge and understanding about Aedes mosquitoes (species, breeding habitats, preventive actions) 2. Learn to care, feel and respond to the real situation, i.e. the existence of breeding sites is one of the factors that contribute to the increased population of Aedes mosquitoes. 	<ul style="list-style-type: none"> • SDG 3 : Good Health & Well Being

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17	Rosazlin Abdullah	Faculty of Science (FoS)	Penghasilan Karbon Aktif Daripada Teknologi Biochar Untuk Meningkatkan Hasil Tanaman Komuniti Peladang	Farm operators/ youths/ villagers	Technology transfer (biochar production, activated carbon production) / knowledge transfer (knowledge of biochar, activated carbon and agricultural waste in Malaysia, how to apply biochar and activated carbon and knowledge of agricultural waste awareness to the environment)	<ol style="list-style-type: none"> 1. Can increase farmers' knowledge and awareness of the importance of biochar, activated carbon and agricultural wastes 2. Can increase the yield of farmers by applying biochar and activated carbon to the soil 	<ul style="list-style-type: none"> • SDG 12: Sustainable Consumption & Production
18	Diana- Lea Baranovich And Dr Lau Poh Li	Faculty of Education (FoE)	Training Social Workers In Filial Play Therapy Skills For Young Children	Social worker and care provider of homeless children in shelter homes and foster care	The objective of this research is to train workers who work with homeless children in the theory and technique of child-centred filial play therapy in order to work with the children and families who are being reunified. As a result of using this therapeutic intervention, a stronger and more nurturing bond will be built between the child and his parent/caregiver.	The program helps to enhance the knowledge of social workers and caregivers of shelter home and foster care children and enhance the parenting skills	<ul style="list-style-type: none"> • SDG 8: Decent Work and Economic Growth
19	Mohd Yakub @Zulkifli Mohd Yusoff	Academy of Islamic Studies	Teaching Al-Quran A-Ba-Ha-Ta Al-Jabari Method And 'Ainul Quran Software To Muallaf And Orang Asli	Muallaf/ Orang Asli	Grant Kptoo4-2015a. teaching Al-quran using the Abahata al-jabari method to underprivileged communities with the support of technology.	<ol style="list-style-type: none"> 1. Teachers from the community can generate income from the Quran teaching classes within the community 2. Reduce the Quran illiteracy rate in the community 3. Assimilate the Abahata al-Jabari method in teaching al-Quran in Quran education system in Malaysia 	<ul style="list-style-type: none"> • SDG 4: Quality Education
20	Mahanom Jalil	Centre for Foundation Studies UM	Penjanaan Ekonomi Melalui Penanaman Pisang Secara Komersial	Muallaf/ Orang Asli/ Fakir	From UM to the target group is the technique of transferring tissue culture banana seedlings from the laboratory to the nursery and the production of biochar to the perkim community, value/ from the agriculture department to the target group is the technique of planting bananas for commercial purposes.	<ol style="list-style-type: none"> 1. Able to train and guide the community on commercial banana cultivation on the farm 2. Guide and provide exposure to the biochar manufacturing community from agricultural waste 3. Empowering communities in generating an agriculture -based economy 	<ul style="list-style-type: none"> • SDG 8: Decent Work and Economic Growth

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21	Norliza Amin	Faculty of Language & Linguistics (FBL)	Speak Like A Boss	Asnaf	Communication skills and effective communication strategy procedures are transferred to the community. In addition, the community can also master product production techniques to increase their income.	<ol style="list-style-type: none"> 1. Able to improve communication skills among asnaf in Selangor 2. State the importance of communication skills to increase self -confidence and its use in the field of entrepreneurship 3. Explain communication strategies in online and conventional marketing 4. Produce small industrial products to increase household income 5. Increase the spiritual value in the participants 	<ul style="list-style-type: none"> ● SDG 4: Quality Education ● SDG 5: Gender Equality
22	Lydia Abdul Latif	Faculty of Medicine (FoM)	Score Stroke Community Rehabilitation Centre For The East	Kota Bharu, Kelantan Dan Besut, Terengganu	<ol style="list-style-type: none"> 1. Intellectual property of the idea, design and implementation about SCORE. 2. Expertise in sharing evidence based practice and research work application in real world settings in managing stroke patients in community. 3. Learning and skills that will be provided to the staff of the centre and community at large. 4. Provide the public the understanding about stroke and treatment. 5. Provide the public the understanding of university research activities pertaining to stroke that will be beneficial to them in promoting society wellbeing. 	Improve stroke and stroke rehabilitation awareness	<ul style="list-style-type: none"> ● SDG 3: Good Health & Well Being ● SDG 10: Reduced Inequality

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23	Nasrul Anuar Abd Razak	Faculty of Engineering (FEng)	Be Able: Empowering The Disabilities	150 Oku youths/ 25 prosthetic & orthotic undergraduate students/ 5 undergraduate or PhD students/ CPOE staff	Assist rehabilitation engineering consultation and exposure directly with OKU youth through the latest methods of prosthetic & orthotic engineering (biomechanics, biosculptor, biomecatronics)/ increase awareness of the importance of using braces and prostheses among OKU youth through kinetics and kinematics of body shape and gait. appropriate/ improved access to quality basic rehabilitation and social engineering physical infrastructure for the use of local oku in need and exposure to university undergraduate students	<ol style="list-style-type: none"> 1. Reduce the consultation hour 2. Increase the Self Sustain Rehabilitation 3. Increase the proper technique in using the Assistive devices 4. Increase the confident level using and talk to others 	<ul style="list-style-type: none"> • SDG 3: Good Health & Well Being • SDG 4: Quality Education • SDG 9: Industry, Innovation and Infrastructure • SDG 17: Partnership to Achieve the Goals
24	Mohd Nazri Bin Abdul Rahman	Faculty of Education (FoE)	Modul Tuninipot (Literasi-Kreatif) bagi kanak-kanak orang asli Sabah	Kadazan-dusun children in preschool/ Bajau-samma children in perpaduan kindergarten/ ipg trainee teacher, kent campus/ Duru Ranau unity kindergarten (national unity department Ranau-Kundasang branch)	Implementation of Tuninipot module (literacy-creative) for Sabah indigenous children. this project is a continuation of the previous project. this module was developed as a result of knowledge transfer through the UMCARES community engagement funding 2016 project: the implementation of a basic literacy learning module based on folklore for children of Sabah natives	Improving literacy and writing skills of children of Sabahans	<ul style="list-style-type: none"> • SDG 4: Quality Education

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25	Rusaslina Idrus	Faculty of Arts and Social Sciences (FASS)	Digital stories to advocate for and to improve Orang Asli education experience	States in peninsular Malaysia	The use of digital medium as a space to express the voices and aspirations of marginalized communities. these digital stories can be used as a medium of community rights advocacy. it also provides information/data on the educational experiences of indigenous children.	<ol style="list-style-type: none"> 1. Awareness in the issue of educational problems 2. The youth involved show increased self-confidence and speaking ability 	<ul style="list-style-type: none"> • SDG 17: Partnership to Achieve the Goals
26	Tan Chia Kwang	UMPEDAC	Rural electrification-ensuring long term sustainability through community-aligned renewables empowerment (care)	Rural communities/ indigenous community (Orang Asli)	Strategies to ensure a long term sustainability of renewable energy electrified projects in rural areas which is literature review, survey questionnaires, site visit, site trainings, minor system repair and replacement, devise community management strategies, implementation and trial run, monitoring education and education training	<p>The villagers are able to extend the useful life of solar photovoltaic system in rural communities through 2 trainings conducted:</p> <ol style="list-style-type: none"> 1. Training on the operation, maintenance, safety, troubleshooting and repair of renewable energy (RE) components <p>Awareness training on self-regulated fund management strategy to prepare for replacement cost of worn components</p>	<ul style="list-style-type: none"> • SDG 7: Affordable and Clean Energy
27	Roslinda Ithnin	Centre for Foundation Studies UM	PASUM-Kte -Vokasional: Eksplorasi Pendidikan Tinggi Sains & Teknologi Di IPT	Form six college students/ vocational college students	Integrated skills enhancement motivation program/ leadership motivation program/ learning and research exploration program at ipt/ mentee mentor program (stem/ steam)	<ol style="list-style-type: none"> 1. Able to improve problem solving skills, soft skills, and critical and creative thinking among students; 2. Provide exposure to the learning and research system in the university to students; 3. Enhancing knowledge sharing in science and technology as well as STEM and STEAM education; 4. Able to cultivate the use of English as the medium of instruction and its importance in science subjects. 	<ul style="list-style-type: none"> • SDG 4: Quality Education • SDG 16: Peace and Justice Strong Institutions

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28	Donnie Adams	Faculty of Education (FoE)	Ecotherapy: Nature-Based Learning And Play For Children With Special Educational Needs	Sk Satu Sultan Alam Shah Sk Damansara Jaya 1 Sk Seksyen 11 Kota Damansara Sk Sri Damai Sk Sri Kelana Sk Methodist	Children with special needs barely experience nature learning, especially after school due to parents' lack of expertise in this field. the techniques and activities of Ecotherapy: nature-based learning and play imparted to parents of special needs children will be able to help their children in the aspect of psychomotor skills, emotions, confidence, social and life skills.	<ol style="list-style-type: none"> 1. Parents and teachers were trained on effective techniques and activities of Ecotherapy focusing on gross and fine motor skills via 'hands-on' while being monitored by expert trainers, so they can practice it easily at recreational parks and botanical gardens. 2. the book, raising your child with special needs: guidance and practices will be published and sponsored free for parents in this workshop. the book will include information on special education in Malaysia, role of school leaders, sensory processing disorder, a chapter on Ecotherapy, success stories of children with special needs, and a list of NGOs that supports children with special needs. 	<ul style="list-style-type: none"> • SDG 4: Quality Education
29	Raja Hisyamudin Raja Sulong	Academy of Islamic Studies	Celik Al-Quran	Sk Seksyen 6 Kota Damansara, Sk Seksyen 7 Kota Damansara, Sk Seksyen 11 Kota Damansara. Sk Tropicana	Knowledge of Al-quran skills and memorization techniques	<ol style="list-style-type: none"> 1. Weak students can recognize the letters hija'iyah. 2. APIUM students can apply the knowledge they have learned. 	<ul style="list-style-type: none"> • SDG 4: Quality Education
30	Zuliana Razali	Faculty of Science (FoS)	Science Storytellers : Using Narratives As A Teaching Tool For Primary Science	Sk Damansara Utama, Sk Damansara Jaya 1, Sk Taman Megah, Sk Bangsar, Sk Bandar Utama Damansara	This project will result in the development of modules using storytelling as a creative, fun and effective tool for teaching science to primary students which will be made available for the participating schools	<ol style="list-style-type: none"> 1. Teachers are equipped with storytelling skills 2. A more engaging and effective science learning environment 3. Adoption of storytelling skills in schools 	<ul style="list-style-type: none"> • SDG 4: Quality Education
31	Thamil Selvi Velayutham	Faculty of Science (FoS)	Toying With Physics - Student Outreach With Stem Inspired Social Innovation	Sk Assunta 1, Sk La Salle, Sk Taman Dato Harun 1, Sjk (C) Sungai Way, Sjk Tmil Vivekananda	Declining of science, technology, engineering & mathematics (teem) interest among students is a global concern and threatens nations' competitiveness in ever-changing global marketplace.	<ol style="list-style-type: none"> 1. Design thinking among the pupils to deliver their intended functions 2. Learning opportunities for students to see science in total action 3. Team work among the pupils and interest in STEM 4. Incorporation of the prepared toy based-science modules in their teaching curriculum 	<ul style="list-style-type: none"> • SDG 4: Quality Education

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32	Zubaidah Ya'cob	TIDREC	Transferring knowledge on vectors of diseases agents through school-based participation in Malaysia	Sk Taman Medan, Sk Taman Dato Harun 1, Sk Tamn Dato Harun 2, Sk Sri Petaling, Sk Sri Kelana	At the end of the proposed programme, the student participants should understand and familiar with one health concepts which emphasizes the health of people is connected to the health of animals and the environment	1. Knowledge on vectors have been introduced, transferred, increased and enhanced among the targeted group 2. The chance to get first-hand experience in knowledge transfer program from the premier university in the country	<ul style="list-style-type: none"> SDG 3: Good Health & Well Being SDG 6: Clean Water & Sanitation
33	Zul Ilham Zulkiflee Lubes	Faculty of Science (FoS)	(Incorporating SDGs values in school community)	Smk (P) Sri Aman, Smk Damansara Damani 1, Smk Damansara Utama, Smk Sek 10 Kota Damansara, Smk Sri Pantai, Sm Sains Seri Puteri, Sm Sains Selangor	Disclosure and application of the Sustainable Development Goals (SDGs) in particular SDG 7 (clean and affordable energy) and SDG 13 (climate action) to the school community.	Increase in awareness level	<ul style="list-style-type: none"> SDG 7: Affordable and Clean Energy SDG 13: Climate Action
34	Jamilah Syafawati Yaacob	Faculty of Science (FoS)	Pemeriksaan Stem Di MRSM Terandak : Fun Teaching & Learning	MRSM Terandak	The partnership of research and teaching activities between um together with teachers and students can increase students' interest in STEM subjects.	1. Be able to identify the factors that cause lack of interest among students. 2. Improve the level of proficiency and use of English, especially for STEM subjects. 3. Identify the best methods for teaching STEM subjects, e.g. add activities and teaching aids.	<ul style="list-style-type: none"> SDG 4: Quality Education
35	Haireen Abdul Hadi	Faculty of Medicine (FoM)	RCE Walking Football Club	RCE Central Semenanjung/ RCE Penang/ RCE Iskandar	Healthy lifestyle and dealing with obesity among school children through "walking football"	1. Increase in level of knowledge and fitness of stakeholders - school pupils, teachers 2. Positive attitude towards physical activities and exercises 3. Improvement in body composition	<ul style="list-style-type: none"> SDG 3: Good Health & Well Being SDG 11: Sustainable Cities & Communities

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36	Nor Haniza Ishak	Faculty of Built Environment (FBE)	Be Smart Teen	Sekolah Agama Menengah Bestari, Subang Jaya, Selangor	Knowledge transfer in the aspects of project management and building and environmental maintenance management can make the school community more sensitive to the importance of appreciating the school facilities provided for the comfort of students.	DIY Project	<ul style="list-style-type: none"> SDG 9: Industry, Innovation and Infrastructure
37	Helena Aman Hashim	Faculty of Built Environment (FBE)	Creative thinking development through brain stimulus and linking the dots program using arts as a medium.	SMK Alma, Bkt Mertajam Pulau Pinang	The transfer of knowledge to the student community at SMK Alma is as follows: 1. 'still life sketching' technique for 40 form 2 and 4 students 2. human scale proportion and user comfort (anthropometric and ergonomometric) for 8 form 5 students in graphic design class 3. 2-dimensional sketching technique - 3 dimensional (sketching) and product construction for 40 Form 5 students	DIY Project	<ul style="list-style-type: none"> SDG 4: Quality Education
38	Norhanim Zakaria	Faculty of Built Environment (FBE)	Bengkel Votek Dan Sains Sekolah Menengah Kebangsaan Agama Nurul Ittiqaf	Sekolah Menengah Kebangsaan Agama Nurul Ittiqaf, Besut, Terengganu	Construction of rainwater collection system. students will be taught to install the system in the school herb garden area. the program will be able to enhance the science knowledge and technology vocational skills of the students in turn helping the students achieve a level of mastery in the subjects of science and life skills.	DIY Project	<ul style="list-style-type: none"> SDG 9: Industry, Innovation and Infrastructure
39	Othman Mohamed	Faculty of Built Environment (FBE)	The Quitable-Inator	SMK Bandar Utama Damansara 3 Selangor	Provide exposure on the construction industry in Malaysia and professionals who are directly involved in the construction industry. preparation of cost estimates and construction methods.	DIY Project	<ul style="list-style-type: none"> SDG 9: Industry, Innovation and Infrastructure

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40	Nur Mardhiyah Aziz	Faculty of Built Environment (FBE)	Program Perkampungan Ilmu The Champion 2018	SMK Jalan Kebun	<ul style="list-style-type: none"> Students' exposure to the importance of recycling and its impact on the environment Exposure to students on the characteristics of recycled materials in terms of strength, stability and durability Creating networks of cooperation and improving the quality of life 	<ol style="list-style-type: none"> Able to use the DIY stool which is more comfortable compared to the plastic chair Improving students understanding on the techniques to answer exam questions on science subjects such as Mathematics, Physics, Chemistry, and Biology 	<ul style="list-style-type: none"> SDG 12: Sustainable Consumption & Production
41	Saipol Bari Abd Karim	Faculty of Built Environment (FBE)	Paths To Our Digital Future	SMK Seri Tanjung Melaka	Learn the types of jobs that will be needed in the future that are more centered on the digital community. students will be exposed to the knowledge that needs to be learned and the needs of the digital future especially in employment.	DIY Project	<ul style="list-style-type: none"> SDG 17: Partnership for the goals
42	Zafirah Al Sadat Zyed	Faculty of Built Environment (FBE)	#Lanskapmampan: Membudayakan Inovasi Di Sekolah	SMK Sultan Abdul Samad	Based on the concept of repairing the condition of the landscape in the school by taking into account the problems faced by the school community. the end result of this project is to produce an upgraded landscape project using the latest technology and innovations as well as applying a sustainable approach.	The continuity of this project is ensured through the empowerment of the school community especially students via innovative products that were developed. This project will help the school community to solve the problems faced in the future by providing the school community with the opportunity to solve the problems faced by the allocated funds as well as the skills of the researchers.	<ul style="list-style-type: none"> SDG 9: Industry, Innovation and Infrastructure
43	Zahiruddin Fitri Abu Hassan	Faculty of Built Environment (FBE)	Colour Top Shade: A Manifestation Of Circular Economy Thinking	SMK Tun Perak, Rawang, Selangor	Understanding of the concept of circular economy (circular economy) and application of circular economy thinking (circular economy thinking) to the school community.	DIY Project	<ul style="list-style-type: none"> SDG 8: Decent Work and Economic Growth