

# SUSTAINABLE DEVELOPMENT GOALS

2022

## SUSTAINABLE DEVELOPMENT GOALS 2022 REPORT



## **President's Foreword**

With the noble goal of transforming lives, enriching future, it expresses our strong commitment towards the United Nation Sustainable Development Goals (UNSDGs) as we promise that “no one is left behind” through shared vision for the future development and betterment of humanity and the planet.

As a university that is committed to sustainability effort for the common good, MSU embraces SDG values across the university in key components affecting research, publication, quality education, students, and community engagement efforts.

As one of Malaysia's top-ten higher learning institutions, we are driven at enhancing the quality of life in the society by raising awareness, sharing knowledge, strengthening skills and managing new talents aligned with the UNSDGs initiatives. Achieving these goals, we go beyond the confines of ethnicity, culture, and beliefs through inclusivity, all in the name of quality education.

With a leadership on the sustainability vision, goals, strategy, and partnerships, we develop a living lab for initiatives towards the UNSDGs. Whilst the University's strengths are leveraged to catalyze solutions beyond the campus, innovative, collaborative projects tap into a great opportunity for working together through community engagement and industry embedment.

Collaborations with industry experts and other institutions domestic and global, increase operational effectiveness, institutionalize best practices, and create innovative solutions that can be reinforce beyond campus boundaries.

Through a concerted effort, MSU is moving forward to be a frontrunner in advancing accomplishment and achievement of the UNSDGs by 2030.

Prof Tan Sri Dato' Wira Dr Mohd Shukri Ab. Yajid

President

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## SDG 1: NO POVERTY

MSU is dedicated to combat poverty through various initiatives and programs. University anti-poverty programs include support for students from low-income households for both local and international students. MSU also engages with the community with valuable initiative aimed at addressing and mitigating poverty-related challenges. The total fund allocated for scholarships is **RM 30 MILLION** per year. In the year 2022, More than **1500 students**



received the benefit of scholarship. The funds are distributed through various means including collaborative efforts between MSU and several public and private institutional partners. All scholarships, sponsorship and financial aid are offered through the MSU Foundation also Known as Yayasan MSU and the following scheme:

### 1. Presidents Scholarship

MSU's very own scholarship is one such scheme that has over the years benefited lots of students. This is an award given to students who exhibit exemplary academic achievements and come from an economically challenged background.

### 2. MSU Outstanding Rewards Scholarship (MORE)

MORE or MSU Outstanding Rewards Scholarship is initiated as an incentive to well-rounded students who are excels in academic with outstanding achievement in extra-curricular activities and have represented the state or school in any competition.

### 3. Joint Scholarships

Joint scholarship schemes such as Berita Harian, The Star Education Fund and Nanyang Education Fund are some examples of MSU's involvement in ensuring the less fortunate gets the opportunity to continue their tertiary education at MSU. The scholarship is opened to all Malaysians and ranges from a full to a partial scholarship. The Mou(S) as been signed as early 2004.

### 4. Fellowship and SLAB Schemes

In its effort to train qualified academics to manage the university's human capital needs and to further enhance its research and innovation activities, MSU offers fellowship awards to local and foreign candidates for graduate studies leading to Phd at MSU. The SLAB scheme, a fully funded internal programme aimed at developing academic staff in their pursuit of higher education, is another effort of the university among its staff development initiative.



## 5. Affin Education Financing-I

MSU also formed a strategic partnership with Affin Islamic Bank Berhad in 2018 through the Affin Education Financing-I, a Syariah-compliant scheme which is designed to help intending students enter all undergraduate and postgraduate studies at MSU.

## 6. PTPTN

The National Higher Education Fund or Perbadanan Tabung Pendidikan Tinggi National (PTPTN) is an agency established under Ministry of Education, where it provides education loans to students pursuing their studies at local higher education institutions. This loan will enable students to pay their fees and their subsistence fully or partially for the duration of their study.

## 7. Yayasan MSU

Yayasan MSU (YM) is a Foundation that seeks to create quality human capital and address issues on social imbalance. It relentlessly champions excellence and vigorously undertakes the promotion of culture of endowment. It provides opportunities, create possibilities and empowers progress for the underprivileged

## 8. JPA

The scholarship will cover local preparatory studies AND can be extended to a local degree upon meeting the required grades set by JPA. Pre-University courses that are applicable include A-Levels, AUSMAT, STPM, Matriculation, and Foundation at local institutions (both public **and selected private institutions**)

## 9. Zakat

Lembaga Zakat Selangor ("LZS") was established 20 years ago and synonymous with zakat management in Selangor. LZS plays an important role in complementing the State Government's poverty eradication effort. And MSU in collaboration with Zakat have sponsored many students from the lower income families.

## Anti-Poverty Initiatives for Students and Staff

The university also offers various anti-poverty programs such as the **Loose Change Project**, an initiative to help students purchase the necessities required by their program of study. **Meals on Me** is a project provided to students to help them fulfil their daily nutritional intakes. The project was initiated during the Movement Control Order in the pandemic period. To support the sustainable effort and continuity of this project, MSU has now extended the initiative by providing free iftar meals during Ramadhan to students and staff. The university has allocated **RM291,340.80** to provide free meals on this yearly initiative that is part of the university's Ihya Ramadhan program.



MSU provides free meals for students

### MSU provides free meals for students

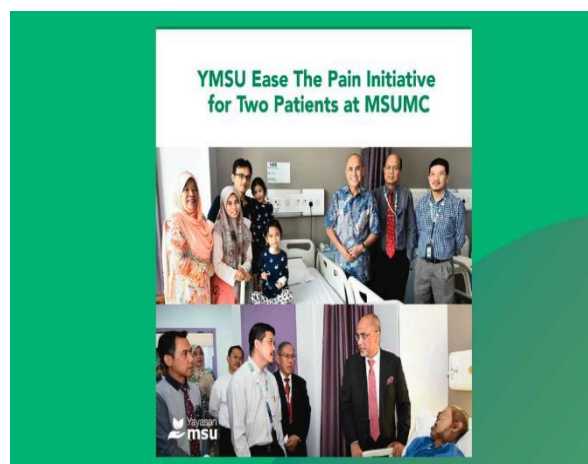
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Next In Nation



**Ease the Pain** is a collaboration between MSU and its own private specialist hospital, MSU Medical Centre (MSUMC). It provides aid through the Yayasan MSU Foundation to MSU students and staff who experience financial difficulties funding their medical treatment due to their socioeconomic status. Under the facilities of MSU Residence, the university offers accommodation to the students from underprivileged communities through the incentives provided by the Yayasan MSU Foundation. MSU, in collaboration with the Selangor government, has initiated a free Smart Selangor bus stop on campus for, which is available to all students and staff who cannot afford to have their own transportation to campus.



### Ihya Ramadhan – Zakat Distribution for MSU Students

Ihya Ramadhan is organised annually by MSU with specific activities targeted for community engagement during the month of Ramadhan. The program emphasizes charitable activities such as zakat distribution and organising food drives for the less fortunate in the community. Continuing the university's Ihya Ramadan tradition of a 2G culture of Giving and Grateful, MSU, through its Foundation Yayasan MSU (YMSU), presented duit raya and financial assistance, around **RM12,991,030**, to **600 deserving students** in an iftar ceremony held at the MSU Chancellor Hall. MSU provides financial assistance to underprivileged students who experience financial hardship with concerns relating to their family background and socioeconomic status. The zakat distribution helps alleviate the financial burden on the students in need of support for their preparation for the Hari Raya celebration.







## Anti-Poverty Initiatives for Local Community

### Ihya Ramadhan – Zakat Distribution for Orphanages

MSU through the MSU Foundation, Yayasan MSU has distributed zakat to **15 orphanage homes** that involve **200 orphans**. These children are among the most vulnerable in society and supporting them aligns perfectly with the goal of SDG 1. Through the zakat fund, orphanage homes will be able to provide the children with the essentials of life including food, clothing and shelter. Providing support to orphanages stands out as a practice that exemplifies the values of compassion and social responsibility



## Community Outreach Week - Local Community

MSU launched community outreach week to engage with the community to address poverty issues. The community outreach programmes aimed to address issues such as poverty and aid the less fortunate with the shared purpose of cultivating the culture of Giving and Grateful

(2G) among the staff and students of MSU Yayasan MSU Foundation has allocated approximately **RM247,998** for the composition of providing nutritional food and cash assistance to help the underprivileged community across the states of Malaysia. The provisions were distributed to **500 families** involving more than **1000 individual** in rural areas in Selangor and other states in Malaysia. Staff and students participated in this initiative to distribute provisions consisting of cash and boxes containing necessities ahead of the Aidil Adha celebrations.



## My Neighbours Project

This project is a university social responsibility project that provides short courses to 39 underprivileged individuals around Klang Valley. Among the short courses were frozen lasagna making, roti canai making, makeup and baju kurung workshops, and many more, and they were all provided for free. Several industry partners collaborated to ensure the knowledge transfer went smoothly. The baju kurung short course was conducted by an instructor from Doshi Sewing Machinery; the class on makeup skills and techniques was conducted by a makeup instructor from Sri Sari Spa; and lastly, the frozen food making class was conducted by a chef from Sime Darby Convention Centre. All these classes were conducted at the MSU Malaysia campus.



This initiative empowers the participants from the underprivileged community to use the knowledge gained through the programme to improve their living standards. Through the short courses provided, the underprivileged individuals were equipped with the skills needed for an impressive job prospect and/or to start their own businesses. Improving the socioeconomic status of underprivileged communities is important to support Goal 1 in addressing poverty issues in the local community. **11 participants** from the short course training have successfully ventured into their own businesses, generating income around **RM2000 - RM3000 per month**.



## Anti-Poverty Initiatives for International Community

### Community Outreach Program : International Edition

MSU, through Yayasan MSU Foundation, has conducted a community outreach program involving the international communities in India, Indonesia and Kazakhstan to support and engage with the underprivileged community to distribute provisions through food donation and zakat for financial aid. This initiative is beneficial in terms of developing profound impact on MSU to collaborate with international community to create an inclusive, understanding and supportive society in addressing the social responsibility in reducing poverty issues in the targeted communities.





## Winter Project

This initiative exemplifies our dedication to reducing poverty, particularly among vulnerable communities. MSU Cares, in collaboration with an NGO, has conducted volunteer activities in a collaborative effort to highlight humanitarian concerns with the international community. Our engagement encompasses an array of activities aimed at providing volunteers to support the collection of winter clothing and necessities for winter season. This reflects our unwavering commitment to the principles of ensuring that the most underserved populations receive the

assistance they need. MSU welcomes partnerships with relevant stakeholders to join the team in a collaborative spirit to work together in developing actions that contribute to a more sustainable, resilient and equitable future for all.





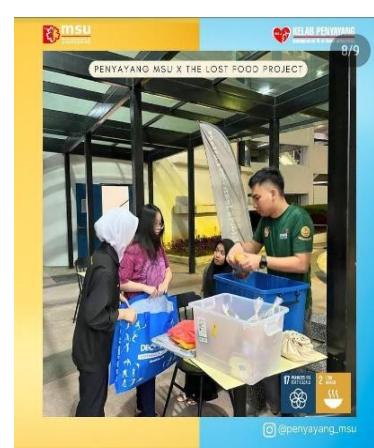
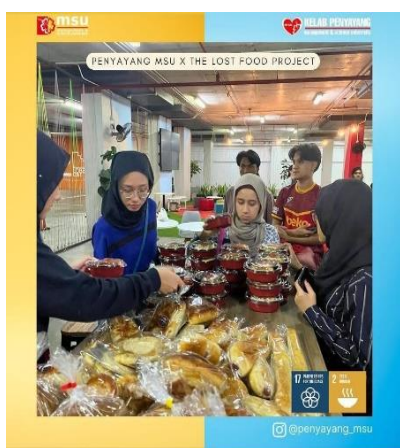
## SDG 2 : ZERO HUNGER

The implementation of SDG Goal 2 is focused on the community needs that play a significant role by engaging community members in efforts to overcome food deprivation, promoting reliance, and promoting a sense of shared responsibility for achieving zero hunger within the community. MSU has made efforts to address food insecurity issues through food distribution programmes that provide access to nutritious food for those in need. The efforts consist of organizing food drives, food distribution programs in the local community, and short-course programs to help the underprivileged community improve their socioeconomic status. The efforts are carried out collaboratively among students, staff, and the NGO to volunteer in related activities to accomplish the university's hunger relief efforts.



### Food Drive by Penyayang Club MSU

The Food Drive initiative organised by Penyayang Club MSU aimed to develop awareness about food security and provide food to **around 800–1000 students** staying at MSU Residence and nearby students' accommodation. This initiative has established a partnership with The Lost Food Project, an NGO, to provide pastries and ensure sustainable efforts are delivered continuously to enhance food security interventions implemented on campus. This initiative is conducted every week with the involvement of the club and volunteers that help with the collection, sorting, and distribution of the donated food on campus.



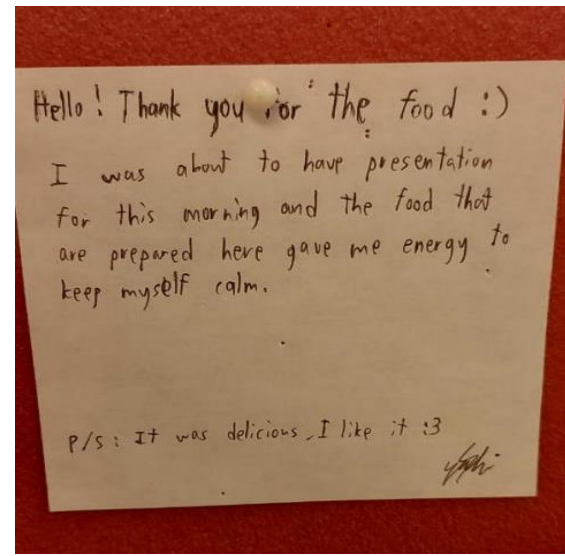
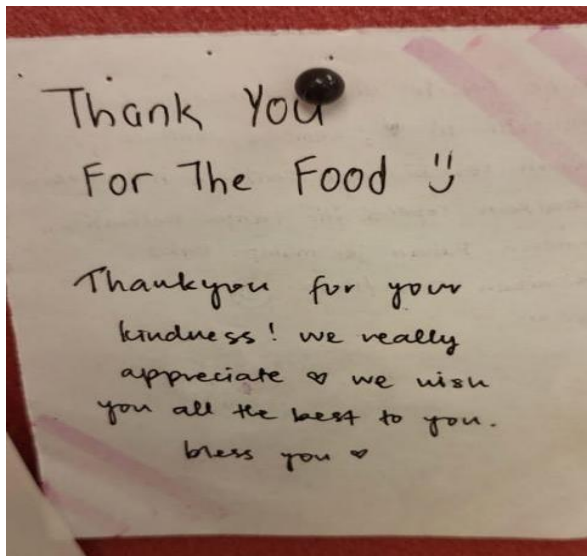
## 2G (Giving and Grateful) Corner

The Giving and Grateful Corner is an initiative where free food is provided to the students on campus. The 2G corner provides a variety of nutritious and balanced meals. This initiative is carried out by the students from **60 clubs and associations** across MSU to foster a sense of community and belonging on campus, where students and staff come together to support the students from underprivileged groups on campus.



## Hearty Meals Project

MSU Library and Resource Centre provided a food bank initiative through their Hearty Meals Projects as a proactive way to prevent food insecurity and hunger among students. The food bank provided can directly combat hunger and provide a reliable source of nutritious food for more than **500 students**, ensuring that they can focus on their studies and activities without feeling hungry. Students have expressed great relief from the food received at the booth, and this will ensure that no student will have to attend class with an empty stomach. This project aspires to show that by addressing food insecurity on campus, it will not only alleviate hunger but also enhance academic success to promote the overall wellbeing of students on campus.



### Food Distribution Project

The food distribution project benefited more than **500 families** in the nearby community. This project aims to address hunger issues and improve the well-being of the community by providing access to nutritious food. As part of the Ihya Ramadan program, the university encouraged staff and students from faculties, schools, and departments to volunteer in **30 activities** that consist of food preparation and distribution. In addition, this initiative promotes an impactful effort towards community building, as the act of giving and volunteering fosters a sense of belonging. The initiatives have been organised in the local communities, targeting poor and low-income individuals to have access to nutritious meals. The efforts by MSU demonstrated the values of compassion and generosity in fulfilling their social responsibilities in addressing hunger relief and fostering stronger social relationships within the community.





## Hope Box Project

The Hope Box Project is a community outreach initiative conducted to distribute boxes containing food and necessities to the underprivileged communities in Shah Alam involving **300 families**.



## MSU Box of Happiness

The MSU Box of Happiness is a community outreach project organised by the MSU Alumni Unit. The project has formed **partnerships with 20 entrepreneurs** across F&B, manufacturing, engineering, e-business, logistics, and social entrepreneurship to distribute boxes to the underprivileged community in Padang Jawa, Shah Alam. The boxes of aid consist of food supplies and necessities for the preparation of the Eid celebration. This supports the component of SDG 2 in food security by ensuring families in the underprivileged community to receive access to an adequate food supply.





## Puddings for You Project

Sharing the spirit of giving and being grateful through Puddings for You, the students from the School of Hospitality and Creative Arts distributed **1000 homemade puddings** to the local community, including **15 shelter homes and orphanages**. Providing free puddings is viewed as a broader food distribution initiative that can contribute to SDG 2. This project includes inclusivity and equity where it targets vulnerable communities, addressing inequalities related to access to food.



## SDG 3: GOOD HEALTH AND WELL-BEING

The component of SDG Goal 3 is focused on ensuring healthy lives and promoting well-being. In MSU, the implementation of Goal 3 involves several key aspects that actively promote health and well-being among students, staff, and the community. The initiatives encouraged students and faculty to get involved in good health and well-being programs that include health awareness campaigns, fitness-based activities and mental health programs. MSU has

undertaken strategies to support SDG 3 by developing community healthcare outreach programs, organizing exercise and establishing its private owned hospital and implementing a no smoking policy on the campus.



### Fitness and Physical Activities

#### MSU Fit

More than **500 staff** from various faculties and departments participated in the MSU FIT, the staff program initiative by the university designed to improve physical health and the overall wellbeing among staff. MSU provides initiatives that support and promote fitness activities as part of the contributions to SDG 3. This initiative consists of outdoor activities such as jungle trekking, brisk walking and running. The activities offered play a significant role in ensuring the opportunities are accessible to the university population to help address health disparities and promote health equity.





### **Zumba Activity**

Organizing zumba activity for MSU students and staff can be a great way to promote physical fitness and improve mental well-being of the campus community. To ensure the effort of promoting good health and wellbeing is reflected in the activity, we ensure the activity is inclusive and accessible to all students and staff with diverse fitness and abilities. Zumba is organized on a monthly basis with interesting themes that reflect the diversity of culture in MSU. Certified zumba instructors have been invited to lead the activity on campus. This initiative has contributed to a healthier and more vibrant campus community while providing a fun and interactive way for the students and staff to stay active and relieve stress.







### Smoke-free Campus

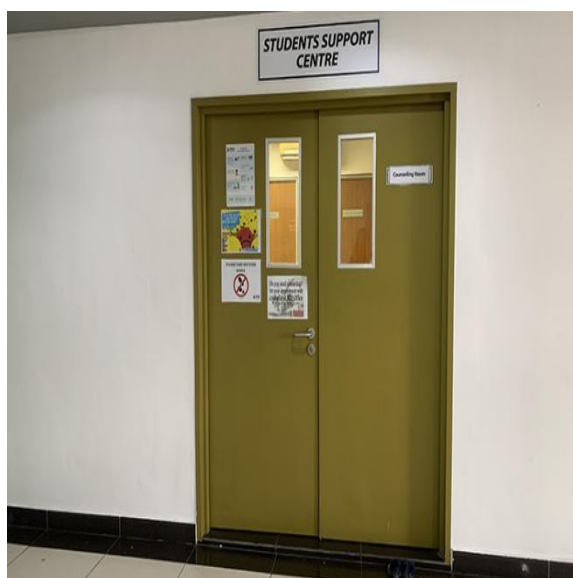
MSU has introduced a “smoke-free campus policy” that was first implemented in 2007 and recently reviewed in 2022. The policy is a set of rules and regulations implemented by the university to prohibit smoking within the campus premises. This policy is pivotal in supporting sustainability efforts, which are viewed as part of wellness initiatives that contribute to a cleaner and healthier environment and can align with an institution’s commitment to good health and wellbeing. This initiative is a proactive step towards creating a healthier, cleaner, and more supportive environment for learning and working for the staff and students at the university. It reflects a commitment and the responsibility to set a positive example for individuals’ health and the community.



## Mental Health Support Services

### Student

The counselling unit provides all-encompassing services for students' well-being. At MSU, the professional counsellors are licensed and registered with the Board of Counsellors, Malaysia, which attends to various groups of students, including undergraduates, postgraduates, international students, and students with special needs. The counselling ecosystem at MSU provides mental health and wellbeing support services. All students are welcome to have their own session(s) with the counsellors on campus. The counsellors provide free, confidential, and non-judgmental support during the session. They are equipped with psychological first aid and mental health first aid skills to provide emotional and psychological support to students with concerns such as mental health issues, emotional disturbances, academics, and addiction. The counselling unit provides opportunities for students to participate in a wellbeing-based program tailored to provide guidance on coping and other related mental health issues.



### Staff

The employees of Management and Science University (MSU) are multitalented professionals. Multitasking and balancing personal and professional obligations are practically a given. Taking care of oneself, one's job, finances, social life, and other commitments can all suffer when one has too much on their plate. The university thus places a strong emphasis on initiatives to promote employee wellbeing by promoting support for adaptation to workplace culture and interventions to support staff wellbeing. Thus, mental health training is available based on these principles: critical thinking, stress management, communication skills, grooming and etiquette, and physical wellness.



### **MSU Medical Centre**

MSU Medical Centre is the university-owned private hospital that brings high-quality healthcare services to the community. The hospital is equipped with medical facilities, experienced medical experts, and a commitment towards enhanced treatment options and outcomes to provide excellent patient care services. MSU Medical Centre serves the public as well as the students at the university in its capacity as a teaching hospital, as well as providing a wide range of medical specialties such as general practitioners, family, and emergency care with its multidisciplinary design. Specialisations include internal medicine; obstetrics and gynaecology; paediatrics; ophthalmology; otorhinolaryngology (ear, nose, throat) and head and neck; orthopaedics; traumatology and rehabilitation; anesthesiology and intensive care; psychiatry; radiology; pathology; urology; endoscopy; and dentistry.





The Malaysian Society for Quality in Health (MSQH), developed by the Ministry of Health Malaysia together with the Association of Private Hospitals Malaysia and the Malaysian Medical Association, is the only organisation recognised by the Ministry of Health as the accreditation body for primary healthcare facilities and services in Malaysia. MSUMC was granted the certification after a four-year accreditation course managed by the Malaysian Society for Quality in Health (MSQH). The founder and president of MSU, Professor Tan Sri Dato' Wira Dr. Mohd Shukri Ab Yajid, described the MSQH accreditation as the start of a journey with the common goals of caring, healing, and education.



## Community Healthcare Outreach Project

Community Healthcare Outreach is an initiative designed to address the healthcare needs of specific communities. The primary objective of the outreach programmes to enhance the university's efforts in providing health interventions to ensure healthy lives and overall wellbeing for all ages. Incorporating staff with expertise in the community healthcare disciplines and students can be highly beneficial, supporting the healthcare needs of the community and offering valuable learning and volunteering experiences for the students involved. The community healthcare outreach program is aimed at improving access to healthcare, targeting vulnerable communities such as the elderly and underprivileged. These targeted communities often face barriers to accessing healthcare services due to their social and economic factors, making them more vulnerable to experiencing health disparities. As an

effort to reduce this impact, several program under the Community Healthcare Outreach program have been carried out to address specific healthcare needs and provide equal access to healthcare interventions to the targeted communities.

### **Community Healthcare Outreach Project with Elderly Groups:**

The fourth-year medical students from International Medical Students have participated in this project to promote awareness on the importance of physical activity, increase knowledge on different types of feasible physical activities, and conduct free medical checkups for the elderly groups at the selected old folks' homes. Among the physical activities conducted with the elderly groups are light exercises and physiotherapy sessions for physical health interventions. In addition, the activities also included grouping sessions with the elderly groups that involved a heart-to-heart talk where they expressed their thoughts, feelings, and emotions to share their experiences, hopes, and support.





### Community Healthcare Outreach Project with the Community in the Flood Prone Area:

The health intervention program was organized by the medical students with the local community in a flood-prone area in Padang Jawa, Shah Alam. The project has collaborated with a local government agency, the **National Disaster Management Agency (NADMA)**, to introduce the role of NADMA and the knowledge sharing on the prevention, response, and recovery of floods. The local government authority, the **Fire and Rescue Department of Malaysia (BOMBA)**, has given a demonstration on water rescue techniques and basic life support to deliver knowledge and skills for safety purposes during floods. The health officers from the government public hospital, **Hospital Shah Alam**, have delivered an awareness talk on how to store medication during a flood. The collaboration also involved the participation of MSU's private hospital, **MSU Medical Centre**, to provide free health screenings and eye checkups to the community.





## My SPINES

My SPINES aims to provide updated information on the prevalence of myopia in Malaysia and to ensure accessibility to proper and affordable eye care services that can empower the community to have early detection and self-care about eye health. The objective of My Smiles is to prevent blindness and visual impairment and to promote good health and wellbeing in the community. **70 schools**, including primary and secondary schools, participated in the vision screenings conducted by teams of researchers and clinicians from MSU's Faculty of Health and Life Sciences (FHLS), Department of Optometry and Visual Science (DOVS), and MSU Centre of Excellence (CoE) iCare. 696 of the 1600 students that were screened were from the underprivileged community, and a refractive defect was discovered in 475 of them, making them eligible for free glasses. MSU added a new entry in the Malaysian Book of Records (MBR) when the university introduced the MSU Myopia Screening Prevention and Intervention (My SPINES), a National Eye Health Study in conjunction with World Sight Day 2022.

The project was inspired by a joint initiative by the World Health Organization (WHO) and the International Agency for the Prevention of Blindness (IAPB) to reduce global issues concerning blindness. MSU is a member of the Asia Pacific Council of Optometry, and this project is significant to the accessibility of the local community to receive eyecare assessments



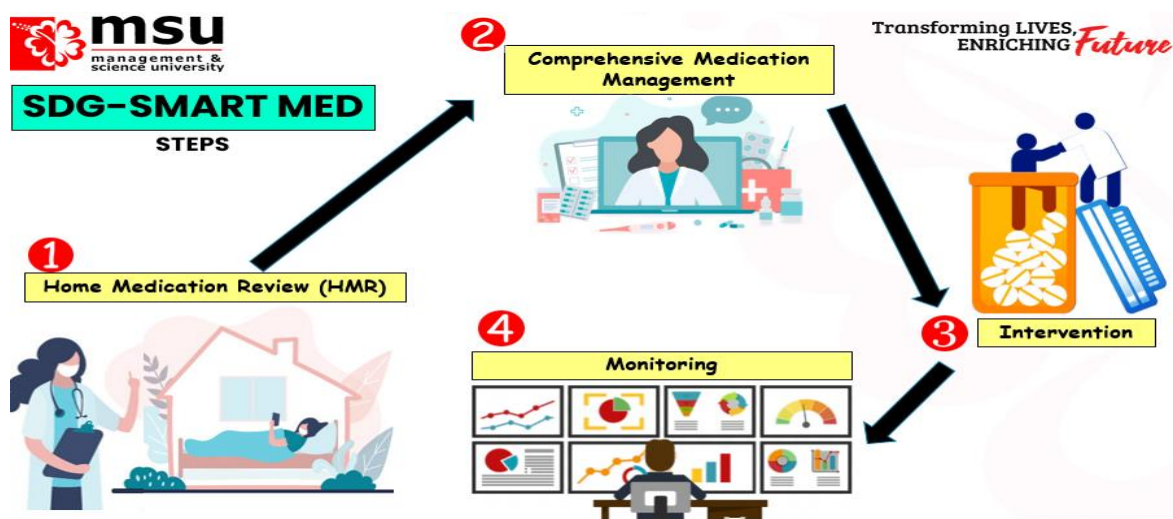
and support needed. Prevention of blindness is one of the primary research areas covered by the university. This aligns with the goal of SDG 3 through the initiative implemented through conducting research in health-related fields. The launch event of MSU Myopia Screening, Prevention, and Intervention (MySPINES) was sponsored by Kelab Pesona Selangor, Bionics Science Sdn Bhd, Bausch & Lomb Sdn Bhd, and Gabungan PIBG Sekolah Hulu Selangor. The collaboration also involved alumni of MSU in the optometry field and NGOs to train volunteers in the training designed to conduct vision screening for early detection.



### Smart Med

Smart Med is a current ongoing project that involves MSU with other local and international institutions in Indonesia, China, Japan, Thailand, and the Philippines. This project consists of four main components: home medication review, comprehensive medication management, intervention, and monitoring. The main goal of this project is to promote SDG 3 to help patients' interventions in monitoring disease outcomes, especially in medical compliance towards safety, efficacy, and environment, while also being economical for patients. This project also supports other SDG goals, comprising SDG 4 (quality education), SDG 9 (industry, innovation, and infrastructure), SDG 12 (responsible consumption and production), and SDG 17 (partnership for goals). The project is aimed at supporting a patient's good health and well-being in terms of improving knowledge, improving compliance, and improving quality of life. For the students, the knowledge transfer component will be beneficial in equipping them with counselling skills, critical thinking skills, and problem-solving skills. This project envisions the

future of promoting mobile applications and pharmacy databases. The sustainability perspective of this project is focused on environmentally friendly efforts to reduce the waste of medicine.





## SDG 4: QUALITY EDUCATION

MSU is committed to adapting the strategies of SDG 4 to the specific context and needs of the institution to prepare students for academic and personal development. To achieve SDG 4 in the university context, MSU is focused on initiating knowledge transfer program through various strategies that promote inclusive and equitable quality education and lifelong learning opportunities for all.



### MSU Library and Resource Centre

MSU Library (LRC) is a multi-level haven of knowledge and relaxation, designed to cater to the diverse needs of students. Operating every day, from 8 a.m. to 10 p.m. on weekdays and 9 a.m. to 6 p.m. on weekends, MSU Library offers convenient accessibility for all. The library boasts a rich and varied collection, with nearly **40,000 printed materials**, as well as an extensive array of e-books and e-journals that can be accessed on-campus and off-campus. In addition, the library grant access to **16 online databases** via MSU staff portal, Eklas system, ensuring that our patrons have a wealth of digital resources at their fingertips. Alongside the commitment to education, MSU library provides a user education program that imparts vital skills, including advanced search techniques and the utilisation of reference management tools such as Mendeley.

MSU library is a fusion of both traditional and modern approaches, providing a comprehensive and enriching experience. Beyond the books, we offer an array of special amenities tailored to our patrons' comfort and leisure. A library café is available for those seeking nourishment while they work, and the "My Chill Space" provides a cosy area for a quick nap between classes. For those in need of relaxation and entertainment, our entertainment room features a karaoke room, a movie room, and a board game area. Furthermore, MSU Library offers multiple spacious rooms, some accommodating up to 40 individuals, which can be freely utilised by students for group study sessions or collaborative projects. MSU library creates a dynamic and nurturing environment where learning, relaxation, and community-building converge.



### **Inclusive Education**

The opportunity for inclusive education is accessible to a diverse range of students, regardless of their background and other factors. Quality education focuses on ensuring inclusive and equitable quality education and promoting equal learning opportunities for all. This goal is relevant not only to local students but also to international students at MSU. Holistic education is achievable when multiple points of view are presented in the institution. Among MSU's best students from the class of 2022 at the 29th Convocation Ceremony of MSU is Bachelor's in International Business (Hons) Ayse Gul Uzundemir of Turkey. The recipient of the Mohd Shukri Yajid (MSY) Award had come to MSU with her experience as a working mother and foreign student.



### **Lifelong learning for all**

The pursuit of knowledge and professional development that are applicable to all Lifelong education reflects that age is just a number with equal opportunities for learning. This is the story of Caryn Chung Hwee Lian, a 62-year-old student from the Faculty of Information Sciences and Engineering enrolled in the Diploma in Game Animation. Having retired from a teaching career spanning four decades, Caryn, with an interest in gaming, decided to start a new journey with inspiration from seeing her four-year-old great-grandniece effortlessly understand basic, conventional English through educational shows. She reasoned that her undertaking in this journey could benefit other kids if she could create something similar.



### **MSU Global Leadership Program**

The students from Kelab Kembara MSU went on a Global Leadership Program to Indonesia. The Global Leadership Program is structured to provide opportunities for students to enhance their study experience and develop important leadership skills and a global mindset. 18 students and two staff members from the MSU Student and Career Development Department visited the State University of Yogyakarta (Universitas Negeri Yogyakarta, UNY). During the visit, the students were engaged in the team-building game Bottle and Rope and were given a campus tour and visit to the Education Museum.

One of the main highlights of the global leadership program was the preservation of the Baros Mangrove Forest, which serves as a natural barrier to protect the people living on the Yogyakarta coast. This activity was led by the biology lecturer from Universitas Negeri Yogyakarta. This provides global perspectives in learning experiences to promote intercultural understanding and offers international study opportunities, a diverse curriculum, and international study opportunities to expose students to a global outlook. The visit was completed with visits to the regional industry and a hiking expedition, I.P.E.A.K. 1.0 (International Pursuit of Experience, Adventure, and Knowledge).







## MSU, My City Community (MyCC)

MSU My City Community is the initiative by MSU that focuses on SDG 4: Quality Education. Comprising the five main activities of My City, My Race, My Care, My Fit, and My Step Up, MSU MyCC 2022 engaged members of the community in Kuching, Sarawak. Comprising the five main activities of My City, My Race, My Care, My Fit, and My Step Up, MSU MyCC 2022 engaged members of the community in Kuching, Sarawak. My City, themed Clean City, saw MSUrians promoting the 3R campaign of reduce, reuse, and recycle in the Kuching Waterfront area. My race had a hundred students from nine schools participating in the event. The highlight of My Care is the contribution of **RM6,000** worth of groceries and financial assistance to 60 underprivileged communities.



## Recognition and Award

### Global TVET Model University

Management and Science University has been awarded four new recognitions by the Accreditation Service for International Schools, Colleges, and Universities (ASIC). Technical and vocational education and training (TVET) plays a crucial role in contributing to a well-rounded and practical education, providing diversification for MSU to cater to a broader range of students with varying career goals. The recognition reflects MSU's commitment to promote lifelong learning that emphasizes skills development for students in a wide range of job opportunities.



### The Most Valuable Brand in Education

MSU won the Most Valuable Brand in Education award based on its nominations for leadership and human capital development. This award reflects the university's commitment to quality education and its achievements in various ways, which highlight its leadership and human capital development, which are significant in ensuring the provision of quality education.



## ASIC Inclusivity Award for Equality in Education

MSU has been granted the ASIC Inclusivity Award for Equality in Education. Inclusion is important in achieving Goal 4 in quality education, as it is based on the operational concepts of universality and leaving no one behind. Achieving equality in education reflects the core component of quality education, which involves MSU's lifelong learning opportunities that address various dimensions of educational inequality and promote a holistic approach to education.





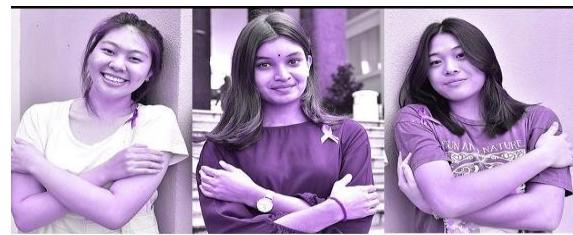
## SDG 5: GENDER EQUALITY

SDG 5 at MSU is focused on achieving gender equality and empowering women. The implementation of SDG 5 at MSU has the objectives of promoting gender equality and women's empowerment within the institution. The components of SDG 5 at MSU are significant in helping women succeed academically and professionally by ensuring opportunities are developed with diversity and inclusion in a learning environment that respects and values different identities and backgrounds. Empowering all women and girls, MSU boasts a female-to-male ratio of 3 to 2 among its student body.



### International Women's Day

International Women's Day is observed annually by MSU as a global occasion to honor and celebrate the achievements and contributions of women. MSU plays a vital role in this global occasion by not only acknowledging the accomplishments of women but also actively contributing to the pursuit of gender equality, empowering women to thrive in academic and professional development. This occasion at the university reflects the culture of inclusivity and respect that promotes gender equality. International Women's Day is celebrated across the university, with faculties, schools, and departments organising advocacy events that promote women's empowerment.



HAPPY INTERNATIONAL WOMEN'S DAY  
#EmbraceEquity



Transforming Lives,  
Enriching Future

MSUMalaysia  
f t i y



## Perwani Siswi Club MSU

MSU Perwani Siswi, also known as Perwani Siswi Club, is a women-only club that empowers women with good skills development through programs and activities. It's the club that cultivates the values of caring and being respectful towards each other, surrounded by a supportive environment. With the aim of increasing club membership and promoting club events to MSU students, Perwani Siswi Club's members strive to be women who support other women, complement each other, give words of encouragement, and give our best in whatever we do to achieve our goals. The club embodies a vision to nurture the members by fostering a culture that inspires, educates, and develops future leaders. The mission of Perwani Siswi is to actively contribute to the empowerment of women by educating and raising awareness. Through the advocacy and women-empowering activities initiated, the club aims to promote excellence in women's empowerment by developing standards of good skills development, knowledge, sportsmanship, and citizenship. Perwani Siswi Club is committed to providing support to women in all aspects of life. The club hosts educational talks on leadership and



empowerment by inviting inspiring speakers to share their stories and insights. The club also engages in advocacy activities and gives back to society by organizing programs aimed at empowering and supporting women in need.



## Women's Health Awareness and Campaign

Encouraging women, regardless of their background and location, to have awareness of women's related issues is beneficial to addressing gender disparities and understanding women's health literacy. The students and staff of Diploma in Midwifery at MSU held an educational-based program for pap smears and breastfeeding awareness with the mothers in the indigenous community in collaboration with Hospital Orang Asli Gombak and Petaling District Health Department. This initiative serves as an act of empowerment that supports gender equality in conjunction with International Women's Day 2022 and aligns with the objectives of SDG 5.





### MSU KIDS – Childcare Centre

MSU KIDS, a childcare facility, is a progressive initiative that can provide valuable support to working women at MSU to help them balance their professional and family responsibilities. The childcare centre is strategically located 7 minutes away from MSU's main campus. This initiative by MSU is significant in contributing to gender equality in the workplace. It demonstrates the institution's commitment to supporting working women in achieving a work-life balance and promoting their economic empowerment.



## Women Athletes in Sukan Institusi Pendidikan Tinggi 2022

The principles of gender equality and empowerment can be reflected in the achievements of MSU women athletes during Sukan Institusi Pendidikan Tinggi 2022 (SUKIPT). Empowering female athletes can inspire others to embrace sportsmanship and celebrate positive competition by offering equal sportsmanship opportunities to all female students. SUKIPT 2022 opened with MSUrians winning in karate, bagging a gold in the Women's Individual, Kata (Form) category, and students winning a bronze in the Women's Individual, 50kg, Kumite category. The women athletes also contributed a bronze medal for the silat and karate sports categories.



## Reproductive Healthcare Services by MSU Medical Centre

The reproductive healthcare services provided by MSU Medical Centre are pivotal in promoting gender-responsive healthcare, with the availability of female gynaecologists to advocate for the unique health needs and challenges experienced by women and girls. Access to reproductive healthcare is significant for education and empowerment to help women make informed choices about their reproductive health, which is essential to achieving gender equality. Moreover, aspects of mentorship and role models for women and girls are essential



in advancing the SDG to promote gender equality and empowerment. Aspiring female gynaecologists as healthcare professionals in the MSU Medical Centre can serve as role models and encourage more women to enter the medical field. Access to women's healthcare services is offered by the MSU Medical Centre, which offers a wide range of services related to reproductive health. Among the services offered by the hospital are women's wellness screening packages in conjunction with International Women's Day.



**Assoc Prof Dr Akmal  
Zulayla Mohd Zahid**  
Consultant Obstetrician &  
Gynaecologist



**Dr Noorneza Abdul  
Rahman**  
Obstetrician &  
Gynaecologist



**FEMALE WELLNESS SCREENING** 1/3

**ESSENTIAL** RM450

- Medical history and clinical examination by Specialist Consultant
- Body Parameters\*
- Vision Test\*\*
- Blood Pressure Screening
- Urine FEME
- Resting ECG
- Chest X-ray
- Lung function test
- Ultrasound abdomen & pelvic
- Consultation & report\*\*\*
- Refreshment Voucher

**Blood Test**

- Diabetes screening
- Renal profile
- Liver function test
- Lipid profile
- Full blood count
- Erythrocyte sedimentation rate (ESR)
- ABO & Rh grouping
- Thyroid profile
- Rheumatoid factor
- Hep B screen
- VDRL
- C-reactive protein (CRP)

\* Body Parameters include body weight, height, body mass index (BMI), body fat, muscle mass and basal metabolic rate (BMR)  
\*\* Vision Test include visual acuity, colour vision and stereopsis  
\*\*\* Consultation & report include lifestyle, cardiovascular risk and cancer risk assessment and counselling

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**FEMALE WELLNESS SCREENING** 2/3

**DELUXE** RM899

- Medical history and clinical examination by Specialist Consultant
- Body Parameters\*
- Vision Test\*\*
- Blood Pressure Screening
- Urine FEME
- Resting ECG
- Chest X-ray
- Lung function test
- Ultrasound abdomen & pelvic
- Consultation & report\*\*\*
- Refreshment Voucher

**Blood Test**

- Diabetes screening
- Renal profile
- Liver function test
- Lipid profile
- Full blood count
- Erythrocyte sedimentation rate (ESR)
- ABO & Rh grouping
- Thyroid profile
- Rheumatoid factor
- Hep B screen
- VDRL
- C-reactive protein (CRP)

\* Body Parameters include body weight, height, body mass index (BMI), body fat, muscle mass and basal metabolic rate (BMR)  
\*\* Vision Test include visual acuity, colour vision and stereopsis  
\*\*\* Consultation & report include lifestyle, cardiovascular risk and cancer risk assessment and counselling

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**FEMALE WELLNESS SCREENING** 3/3

**PREMIER** RM1399

- Medical history and clinical examination by Specialist Consultant
- Body Parameters\*
- Vision Test\*\*
- Blood Pressure Screening
- Urine FEME
- Pap smear
- Stool Occult Blood Test
- Resting ECG
- Chest X-ray
- Lung function test
- Ultrasound abdomen & pelvic
- Ultrasound Breast OR Mammogram
- Consultation & report\*\*\*
- Refreshment Voucher

**Blood Test**

- Diabetes screening
- Renal profile
- Liver function test
- Lipid profile
- Full blood count
- Erythrocyte sedimentation rate (ESR)
- ABO & Rh grouping
- Thyroid profile
- Rheumatoid factor
- Hep B screen
- VDRL
- C-reactive protein (CRP)

**Cancer Marker**

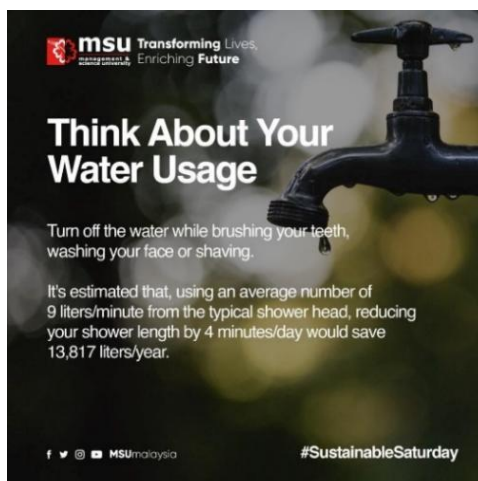
- AFP
- CEA
- CA-153
- CA-125
- CA-199

\* Body Parameters include body weight, height, body mass index (BMI), body fat, muscle mass and basal metabolic rate (BMR)  
\*\* Vision Test include visual acuity, colour vision and stereopsis  
\*\*\* Consultation & report include lifestyle, cardiovascular risk and cancer risk assessment and counselling

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## SDG 6 : CLEAN WATER AND SANITATION

Clean water and sanitation are focused on ensuring the accessibility and sustainable management of water and sanitation for all. The implementation of SDG 6 at MSU involves incorporating sustainable water and sanitation processes within the institution and raising awareness about the importance of clean water through practical strategies. To support this goal, the university carried out awareness campaigns that were designed to encourage responsible water usage at the university. The key messages are delivered with the objective of raising awareness about conservation and encouraging people to be mindful of their water use. Water dispensers are provided on campus to encourage sustainable sanitation practices and ensure the availability of clean, safe, and accessible sanitation for all students, faculty, and staff. The university also produces canned drinking water with 500 ml of purified water using the reverse osmosis process to substitute plastic drinking water.





## River Revival Project

A thousand volunteers from MSU's International Medical School have participated in the largest mudball-throwing project under the River Revival initiative, which involved tossing mudballs into the river, Sungai Damansara, behind the campus grounds. Students from all academic programmes at International Medical School came together for the project and made mudballs. A total of **178,900** enzymatic mudballs were prepared from soil added to a concoction of **1,851kg** of fruit peel mixed with brown sugar and water and fermented in 1,234 five-litre bottles for three months. Enzymatic mudballs help by decomposing sludge, which results in the production of nutrition that feeds oxygen-increasing phytoplankton. The increase in oxygen activates bacteria, further accelerating sludge decomposition. The mudball project for river conservation can be used to improve water quality, prevent erosion, and improve river ecosystems.





## **Memorandum of Understanding (MoU) with Friends of Rivers Malaysia**

The partnership aims to improve and revitalise the Damansara River stretch behind MSU's main campus in Shah Alam through River of Life initiatives. These activities are intended to help achieve the UN Sustainable Development Goals. The partnership is important to effectively implement water conservation projects at MSU to address water-related issues such as pollution and unsustainable water use.



## **Memorandum of Understanding (MoU) with Westports**

MSU expands its environmental sustainability efforts through a partnership with the world's first garden port. The MSU-Westports MoU presents the immediate objectives of care, conservation, and community engagement initiatives for the environment, along with long-term objectives that include human capital development for the nation's forestry industries. Providing educational opportunities is a positive step in building environmental sustainability and robustness. This collaboration enhances the effectiveness of conservation programmes by leveraging their expertise, resources, community engagement, and advocacy efforts in managing the initiatives of water conservation.



## SDG 7 : AFFORDABLE AND CLEAN ENERGY

The initiative to support the goal consists of an awareness campaign to encourage students and staff to practice energy-efficient habits, such as turning off lights, air conditioning, and electrical devices when not in use. The methods of energy efficiency and conservation are applied in the university by using LED lighting and lamps, motion sensor lighting, solar lighting, and the installation of electric vehicle charging stations.



### LED lighting and lamps

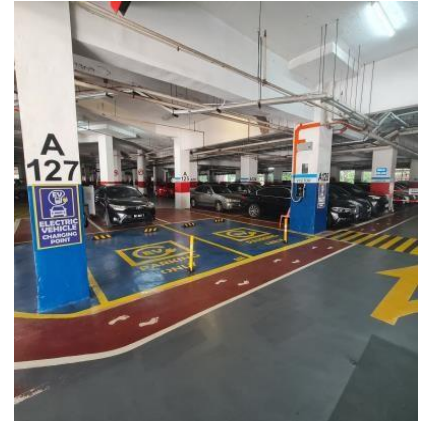
The use of LED lighting and lamps is highly energy efficient, as they consume significantly less electricity than traditional lighting sources. By using LED lights, MSU intends to reduce energy consumption and contribute to the goal of ensuring access to affordable and sustainable energy for all. This is an integral part of the clean energy initiative, as it significantly reduces energy consumption, which aligns with Goal 7.





### Electric Vehicle (EV) charging station

The charging station was installed by MSU as an initiative for sustainability and to provide a platform for clean and sustainable energy use in the transportation sector, reducing greenhouse gas emissions, and promoting energy efficiency.



### Water tap sensors

Water tap sensors can help reduce water consumption by eliminating unnecessary water. This aligns with the goal of responsible consumption and production by reducing resource use and minimizing waste.



### Motion sensor lighting

MSU has extended the installation of motion sensor lighting to staircases and parking areas. Motion sensor lighting systems are highly energy-efficient because they only activate when motion is detected. This means that lights automatically turn off when no one is present, reducing unnecessary energy consumption. By optimising energy usage, motion sensor lighting promotes energy efficiency, a key aspect of SDG 7.



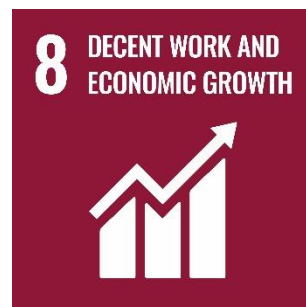
### Solar lighting

The lighting system has been upgraded to solar lighting to illuminate the areas under the bridge. Solar lighting relies on renewable energy sources, such as sunlight, to generate electricity. This practice is often highly energy-efficient, using LED technology and batteries that store energy for use during the night.



## SDG 8 : DECENT WORK AND ECONOMIC GROWTH

SDG 8 focuses on sustainable economic growth, full and productive employment, and decent work for all. To support SDG 8 at the university, strategies involve industry partnerships to create opportunities for students to gain real-world experience and develop skills needed to enter the workforce. MSU has organised Tourism Industry Career in collaboration with the **Ministry of Human Resource Malaysia (MOHR)**; the **Ministry of Tourism, Arts, and Culture Malaysia (MOTAC)**; and the **Social Security Organisation (SOCSO/PERKESO)**. The two-day Karnival Kerjaya Jamin Kerja Industri Pelancongan 2022 opened at MSU's Chancellor Hall. Some **3,662 tourism-related vacancies** were offered on a walk-in-interview basis by **61 participating companies**, including MY Airline, Dorsett Hospitality International, and MSU Medical Centre (MSUMC).



In addition, to support decent work and economic goals, MSU has also launched its APEL Centre at the MSU Career and Lifelong Learning Education Fair 2022. Management and Science University (MSU) holds the record for the highest graduate employability in Malaysia, with **98.7 percent of MSU graduates** employed within six months of their convocation. The MSU APEL Centre is managed by the MSU Continuing and Extended Education Centre (CEdEC).







## Staff Exchange Program

A staff exchange program for SDG 8 is the core focus and can be a valuable initiative aimed at enhancing the skills and perspectives of the employees of MSU and developing global partnerships between institutions. More than 20 academic staff from MSU have participated in staff exchange program at universities: Ankara University, Turkey; Josai University, Japan; Prince Songkla University, Thailand; and Afyon Karahisar University, Turkey. The focus reflects productive employment and decent work for one's professional development and experience. More than **20 academic staff members** from MSU have participated in a staff exchange program targeted for research activities. The research activities are designed with the specific goal of advancing SDG 8, which can foster collaboration, knowledge sharing, and innovation that promote the exchange of knowledge through best practices and strategies to help employees acquire new skills, knowledge, and competencies.





## SDG 9 : INDUSTRY, INNOVATION AND INFRASTRUCTURE

Management and Science University actively supports SDG Goal 9 by promoting innovation through symposiums and participation in external conferences. These initiatives provide valuable opportunities for knowledge sharing, collaboration, and skill development, contributing to sustainable industrialization and technological advancement. By engaging with industry trends, collaborating with experts, and gaining insights, the university aligns with its commitment to building a more resilient and inclusive society through education and innovation, thus advancing SDG Goal 9.



### **MINES launched**

The Management and Science University (MSU) undertakes a remarkable resolve to foster innovation and entrepreneurship through its Innovation and Entrepreneurship Sandbox (MINES). This incubation platform serves as a collaborative workspace, gathering a vast community of entrepreneurs, students, staff, and the public. It offers equitable access to a wide range of facilities and support needed to thrive in a progressive entrepreneurial ecosystem. MINES provides advocacy for the United Nations Sustainable Development Goal 9 in promoting sustainable industrialization and innovation by positioning itself as a catalyst for entrepreneurial success through strong partnerships and support from the industries. MINES continues to envision a brighter and innovative future for all through an array of impactful initiatives.





### **SEnDI – Software Engineering and Digital Innovation Centre**

The Software Engineering and Digital Innovation Centre (SEnDI) at MSU is a multifaceted institution central to the university's technological operations. SEnDI facilitates a myriad of technological infrastructures encompassing software development, IT system management and digital innovation. Being at a pivotal juncture towards MSU's data management and system integration, the Centre provides a wide range of services, training programs for students and professionals whilst pioneering groundbreaking achievements in digital technology to mitigate digital challenges. Furthermore, SEnDI is also actively facilitating collaborations and partnerships across academia and industrial sectors to promote inclusive and sustainable industrialization. Through these collaborations, the Centre aims to reinforce the SDG 9 objective of building resilient and sustainable infrastructure.

### **Advancing Sustainable Development Goal 9 with Symposiums**

#### **MSU IReX**

The MSU iReX (Management and Science University Idea Regeneration Expo) is a biannual event organized by the Faculty of Information Sciences and Engineering (FISE) at Management and Science University, serving as a prominent platform for creativity, innovation, and knowledge exchange with a strong focus on STEM (Science, Technology, Engineering, and Mathematics) disciplines. It aims to promote United Nations Sustainable Development Goals (UNSDGs) and encourage participants to generate innovative ideas and solutions, particularly focusing on SDG 9 related to infrastructure development and sustainability. iReX engages students in addressing real-world STEM-related issues, fosters industry collaboration in STEM fields, and enhances the university's profile as a center for STEM innovation and sustainability. It plays a pivotal role in contributing to SDG 9, benefiting students, the university, industry partners, and the wider community by promoting STEM-based sustainable solutions and raising awareness of pressing global challenges.





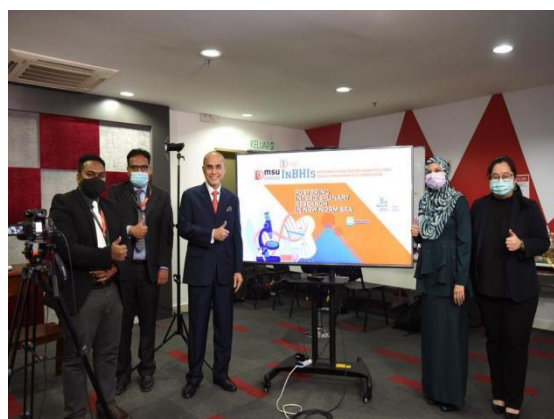
### **IMPaCHS 19.0**

The 19th International Medical, Pharmaceutical, Cosmeceutical and Health Science Symposium (iMPaCHS 19.0) was hosted by the Management and Science University's (MSU) International Medical School (IMS) that featured presentations from students and researchers in various fields, including Forensic Science, Biomedicine, and Medicine. IMPaCHS 19.0 showcased outstanding contributions and innovative ideas, with awards for students from various universities, including those from the Philippines and Indonesia. The symposium, themed "Empowering Research for a Sustainable Future," had a significant international presence, including participants from universities in Thailand and India. The MSU's President Professor Tan Sri Dato' Wira Dr Mohd Shukri Ab Yajid officiated the event, which provided a platform for knowledge exchange and research in the medical and health sciences field.



## International Bioinformatics and Health Symposium (InBHIs)

The International Bioinformatics and Health Symposium (InBHIs) is an annual symposium organized by the Faculty of Health and Life Sciences (FISE) at Management and Science University. Adapting to the global restrictions and Malaysia's Movement Restriction Order due to the COVID-19 pandemic, InBHIs' theme, "Fostering Interdisciplinary Research in the New Norm Era," underscores its alignment with the Sustainable Development Goal 9. This event promotes dynamic, innovative and resilient approaches to advance research despite the challenging circumstances via the use of digital infrastructure. InBHIs provides a platform that enables researchers to showcase their findings, exchange ideas, and collaborate with experts and partner universities worldwide, contributing to the development of sustainable solutions and infrastructure, some of the key aspects of SDG 9. The virtual format of this symposium reflects the university's commitment to adaptability and technological innovation in the pursuit of sustainable development and the promotion of interdisciplinary research.



## MSU Entrepreneurship Week

In its pursuit of Sustainable Development Goal (SDG) 9, the Management and Science University (MSU) stands as a beacon of innovation and entrepreneurship. The university's commitment to fostering an entrepreneurial mindset is evident through the annual MSU Entrepreneurship Week wherein it is fueled by strategic collaborations with various partners such as the Federation of Malaysian Manufacturers and Perbadanan Usahawan Malaysia. This initiative equips future graduates with the skills needed to thrive in the digital economy, contributing to SDG 9's focus on industry, innovation, and infrastructure. Apart from digital adoption, graduates are also introduced to a sustainable and responsible business environment to enhance economic growth in accordance with UNSDGs. In summary, MSU's University SDG Report for SDG 9 underscores its leadership in promoting innovation, sustainability, and resilient infrastructure development while preparing future entrepreneurs for the challenges of the digital age.





### **Malaysia Technology Expo (MTE) Award 2022**

The Management and Science University (MSU) showcased its commitment to technology and innovation at the Malaysia Technology Expo (MTE) 2022 by securing two gold medals, two silver medals, and a bronze medal, along with the Outstanding Innovation Award. These achievements present MSU's multifaceted contributions to the community, university, students, and industry. The gold medal-winning innovations, the Wind-Solar Hybrid Power Generation System for Highway Streetlights and the MSU Assessment Chart for Children with Special Needs, address environmental and social concerns, promoting clean energy and inclusivity. Subsequently, the silver medals for Smart Infrastructure Covid-19 Monitoring and Smart Poultry Farm Monitoring System, and the bronze medal for health science research, highlight MSU's role in the application of technology-driven solutions for real-world challenges and advancing healthcare research.

These accolades do not only reflect MSU's research capabilities but also provide students with valuable opportunities for hands-on experience and collaboration between academia and industry. Several partnerships with Soon Seng Construction, SPCL Systems Sdn Bhd, Ganofarm R&D Sdn Bhd, and the Institute of Medical Research (IMR) Malaysia strengthen the connection between academia and industry, fostering real-world applications and advancing Malaysia's technological landscape. The MSU's achievements at MTE 2022 has

placed the university as a hub for innovation, research, and development, benefiting both the community and society at large while solidifying Malaysia's role as a regional tech leader.



### Seoul International Invention Fair (SIIF) 2022

The Management and Science University (MSU) elevates its strong commitment to innovation and research, resulting in its achievements made at the Seoul International Invention Fair (SIIF) 2022. These accolades, including a bronze medal for the Eye Assessment Chart and Ruler for Children with Special Needs and another bronze for the Smart Poultry Farm Monitoring System, signify MSU's unwavering dedication to create a lasting impact to the community, students, and industry. The Eye Assessment Chart and Ruler project that addresses children with special needs, pioneers the MSU's role in improving the access to equitable educational opportunities and the quality of life for all community members. The Smart Poultry Farm Monitoring System is poised to revolutionize poultry farming, improving efficiency, productivity, and animal welfare, hence benefiting the community and supporting sustainable future agriculture.

These achievements further consolidate with the Sustainable Development Goal 9 – "Industry, Innovation, and Infrastructure" and directly contribute to the community's well-being. The consistent success of these projects embodies MSU's commitment to providing students with valuable research opportunities, and the collaboration between academia and industry strengthens the link between research and practical application. MSU's accomplishments at

SIIF 2022 position it as a global leader in technological advancement and research collaboration, aligning its efforts with the global sustainability agenda.



## **ITEX 2022**

The Management and Science University (MSU) is continuously making significant strides in innovation and research. At the 33rd International Invention, Innovation & Technology Exhibition (ITEX) 2022, the 'Halal Lipstick' innovation by MSU's School of Pharmacy (SPH), received the Best Invention for Women 2022 award and a gold medal for offering a natural and halal beauty product. This remarkable invention aligns with several Sustainable Development Goals (SDGs), including good health and well-being (SDG 3), industry, innovation, and infrastructure (SDG 9), and responsible consumption and production (SDG 12) to promote health and sustainability in the cosmeceutical industry. MSU's achievements at ITEX 2022 has spanned across various fields, addressing SDGs related to education, agriculture, and healthcare, emphasizing the university's commitment to research, offering students practical experience, and contributing to industry development.

Moreover, MSU's silver medal-winning projects, like the 'TRACE MS: Design a smart infrastructure Covid-19 Monitoring, Communication, and Technology Operational System,' and other innovative tools, further underscore the university's wide-reaching impact and dedication to solving real-world challenges. In summary, these accomplishments reflect MSU's dedication to research and innovation, aligning with SDGs and making a positive impact on the community, industry, university, and students while positioning MSU as a leading player in technological advancement and research collaboration.





### MoHE Innovation Entrepreneur Competition 2022

Groups of student from Management and Science University (MSU) have emerged with innovative solutions to address contemporary healthcare challenges. The first group, Patchfinder, has won the Best Innovation Product at the Ministry of Higher Education (MoHE) Innovation Entrepreneur Competition 2022 for the formulation and development of 'Glibenclamide Transdermal Patch for Diabetes Treatment'. This transdermal patch improves the skin's permeation of the diabetes treatment drug Glibenclamide, providing an alternative for individuals averse to oral medication or insulin injections. With each patch delivering three days of medication, it offers a novel method in transdermal patch treatment for diabetes. Another group, Naturenat, formulated an Oat Moisturizer Cream using a novel cream base (Hamin) for the treatment of eczema. Their innovative solutions resemble MSU's relentless dedication to research endeavours and students' innovation in advancing healthcare.



## SDG 10 : REDUCED INEQUALITIES

In alignment with SDG Goal 10, Management and Science University demonstrates a strong commitment to reducing inequalities within its community. MSU is dedicated to ensuring inclusivity and equity for all MSU community, particularly in areas related to disability support, financial aid, and scholarships. MSU's initiatives include providing



accessible infrastructure and services for individuals with disabilities, offering comprehensive financial aid programs to remove financial barriers to education, and providing various scholarships to promote equal opportunities for students from diverse backgrounds. These collective efforts contribute to reducing inequalities, fostering a more inclusive campus environment, and advancing SDG Goal 10 by ensuring that no one is left behind.

### Yayasan MSU

As a social impact arm of MSU, Yayasan MSU stays vigilant in promoting equitable access to transformative education via its scholarships and financial assistance for students impeded by economic constraints. Yayasan MSU signifies its commitment to reducing inequalities across all spheres, including education. It is a beacon of hope for the surrounding community, students, alumni and industry partners, pledging its allegiance to always provide for the community through different outreach channels encompassing community welfare initiatives and industrial collaborations that empower the community. Students faced by financial constraints in their pursuit for quality education are able to find solace with Yayasan MSU's impartial financial aids and grants. This resonates with the core principles of SDG 10, which call for reduced inequalities, especially in access to educational opportunities. The commitment to reducing inequalities extends beyond the confines of the institution and exemplifies the impact that an educational institution shall impose on society.



### **Anti-discrimination policy & EDI policy**

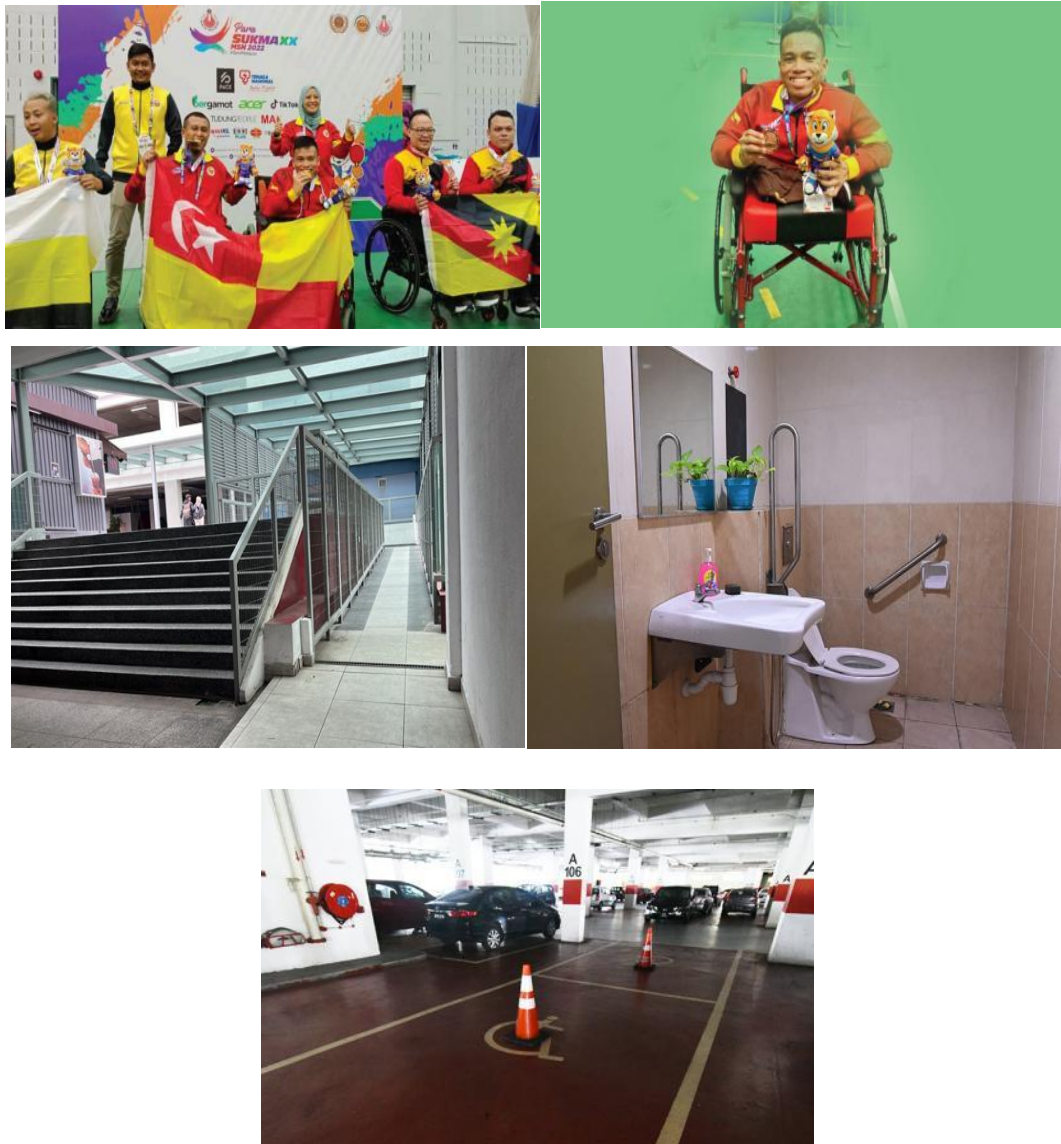
One of the core principles of SDG 10 is the eradication of discrimination and unequal treatment. The Management and Science University celebrates multi-diversity through the implementation of the "Zero Tolerance" policy for any form of discrimination, despite differences across races, genders, disabilities, socioeconomic status, or any other aspects. Discrimination of all form perpetuates inequalities and undermines the very essence of inclusivity and fairness. Through "Zero Tolerance" approach, a clear message is sent emphasizing discriminatory behaviors have no place within an academic community. It is believed that by actively reducing inequalities and ensuring the academic community free from discrimination, an equitable environment can be strengthened to foster holistic human capital development.

### **Empowering Students with Disabilities**

Management and Science University (MSU) is deeply committed to Sustainable Development Goal 10 (SDG 10), which focuses on reducing inequalities and leaving no one behind. To amplify this commitment, MSU provides extensive support for students with disabilities. Through the installation of ramps, elevators, and other special amenities, the university is constantly making the campus accessible and conducive for all. MSU also offers mental health resources and counseling to ensure that all students can overcome academic challenges. Additionally, MSU also provides financial assistance under the auspices of Yayasan MSU to students with disabilities, promoting both accessibility and financial support. MSU's dedication to inclusivity and equality is exemplified by the impact made on Muhammad Haziq Chek Mat's



livelihood, who recently achieved two medals in Wheelchair Ping Pong, illustrating the practical realization of MSU's commitment to SDG 10.



### **Breaking Barriers and Reducing Inequalities**

At Management and Science University (MSU), the institution believes in the transformative power of education to reduce inequalities and uplift individuals from all backgrounds. In 2022, a graduate, Arivananthan Kanakasundar, exemplified this belief through his completion of Master's Degree in Food Service Technology and the prestigious President's Award received at the 30th MSU Convocation.

Arivananthan's journey is a testament to the resilience and determination that can flourish in the face of adversity. Hailing from a B40 family, he sees financial hardships as a driving force for his pursuit of knowledge. The unwavering encouragement from his kin and belief in the value of education fueled his ambition to break free from the shackles of poverty. Arivananthan's father, a truck driver, and his mother recognized the importance of education in transcending economic challenges. Despite the financial constraints faced by Arivananthan and his family, educational and motivational support received from his kin and institution are proven fruitful as Arivananthan is paving his way for a brighter future. This story underscores the belief that education is a cornerstone in addressing inequalities and empowering individuals to achieve their dreams while contributing to equal and empowered society.



### **A Beacon of Hope from a Minority Community**

In the heart of Julau, a town nestled in the Sarikei Division of Sarawak, Malaysia, exists a community shaped by diverse cultures, primarily the Iban and the Chinese, with a strong presence of the Fuzhou population. This vibrant town, renowned for its pepper farming and marketing industry, has produced millionaires, yet it struggles with the absence of basic amenities for a significant portion of its residents. Sixty percent of the population lacks access to piped water and electricity, and essential facilities such as schools and health centers have aged for over half a century. There's an alarming rise in the number of individuals suffering from kidney failure. Amidst this backdrop of adversity, a remarkable story emerged in the form of Dr. Danielle Valerinna Charles, a member of the Management and Science University (MSU) Bachelor of Medicine and

Bachelor of Surgery (MBBS) Class of 2023. Dr. Dan, as she is affectionately known, hails from this very community and returned to Julau with a mission to make a difference. Her journey embodies the spirit of reducing inequalities and promoting inclusivity. As an MSU alumna, Dr. Dan continues to hold volunteering close to her heart and remains committed to contributing to humanity and the environment.

Through Dr. Danielle Valerinna Charles, the university sees a powerful example of breaking barriers and reducing inequalities within a minority community. Her story is a testament to the transformative power of education and community engagement, aligning perfectly with the commitment to SDG 10 – Reduced Inequalities.





## **SDG 11 : SUSTAINABLE CITIES AND COMMUNITIES**

In pursuit of SDG Goal 11, Management and Science University demonstrates a commitment to sustainable and inclusive urban communities. Integrating subjects on urban development and sustainability into its curriculum. MSU actively promotes cultural diversity through the establishment of clubs and associations, fostering a vibrant and inclusive campus atmosphere. MSU

engages the community in sustainable practices through various activities and embraces modern sustainability by providing e-vehicle charging stations and incorporating renewable energy sources. These initiatives collectively contribute to the advancement of SDG Goal 11, reflecting MSU's dedication to creating resilient, inclusive, and sustainable urban environments.



### **SHCA, Fashion Gallery**

The Management and Science University (MSU) SHCA Fashion Gallery, a creative haven where students' collections, artwork, and designs from various disciplines, including fashion, hospitality, tourism, and music, are brought to life. This innovative space perfectly aligns with the principles of Sustainable Development Goal 11 (SDG 11), which focuses on sustainable cities and communities. The SHCA Fashion Gallery serves as a dynamic hub for artistic expression, fostering a sense of community and creativity among our students.

The gallery is a vibrant interfusion of students' creative fashion creation based on the vast tapestry of cultural diversity and presents an insightful experience into the fashion industry made readily available for the public viewing. It upholds the MSU's commitment to sustainable urban development in a definitive way that brings together students and public engagements pertinent to cultural enrichment. As MSU embraces the spirit of SDG 11, the aim for an inclusive and sustainable community advancement continues to be lauded.



### **Cultural Awareness Embedded Subject**

In the context of achieving Sustainable Development Goal (SDG) 11, the "Cultural Awareness Embedded Subject" at Management and Science University (MSU) serves as a beacon of inclusivity and cultural awareness. Through various engaging activities and assignments that weave together intercultural fusion, many of the courses and syllabuses offered, such as Titas and Ethnic Relation subjects at MSU, are designed to inculcate students with cultural awareness and competencies across a diverse community in Malaysia. Malaysia's exceptional blend of racial and ethnic backgrounds is vividly showcased throughout many courses and programmes, as students immerse themselves in the traditions and heritage of different communities. These educational endeavours do not only promote social inclusion and cultural awareness but also foster the essence of community building. By instilling an understanding and appreciation of various ethnicities, these subjects and courses contribute to the creation of more harmonious and sustainable urban and community environments, aligning perfectly with the principles of SDG 11.



### **Cultural Clubs at MSU**

The Management and Science University (MSU) is committed to advancing Sustainable Development Goal (SDG) 11, portrayed in its establishment of cultural clubs, such as the Performing Arts Cultural Club (PACC), Indian Cultural Association (ICA), International Student Society (ISS) and Chinese Cultural Society (CCS). These cultural clubs serve as a gateway to global understanding by providing students with a platform to immerse themselves in diverse cultural experiences. Through culturally embedded activities comprising dance performances, cultural exhibitions, and language workshops, students not only learn about different cultures but also develop mutual respect, social inclusion, and an appreciation for cultural diversity. This fosters a more inclusive and sustainable campus community, contributing significantly to the principles of SDG 11.





### **Embracing Diversity through Festivity**

At Management and Science University (MSU), the commitment to inclusivity and cultural awareness extends to the vibrant festivities and celebrations. MSUrians take pride in organizing and celebrating various cultural festivals, including Hari Raya, Chinese New Year, and Deepavali, among others. These festivities create cherished moments and joy to the campus whilst also serving as a powerful tool for promoting cultural understanding and unity.

Each festival celebration at MSU presents a unique opportunity for students to immerse themselves in the nation's rich multicultural settings portrayed across traditions, rituals, and cuisines associated with different cultures. It is also a time when the entire campus community comes together to share in the joy and significance of these special occasions. Through these celebrations, MSU aims to foster mutual respect, appreciation for cultural diversity, and a sense of belonging among all students. These celebrations and festivities are actively contributing to the principles of Sustainable Development Goal (SDG) 11 by creating a more inclusive and sustainable community that respects and values the cultural heritage of all MSU community.



### **MSU Heritage Walk Series: Putrajaya Iconic Tour**

The MSU Heritage Walk Series: Putrajaya Iconic Tour stands as a testament to Management and Science University's commitment to sustainable development and the SDGs. By bringing together total of 400 students, lecturers, and alumni in an event that promotes sustainable commuting and heritage appreciation, MSU has taken a significant step towards nurturing a sustainable mindset among its academic community. This initiative not only contributes to education but also underscores the importance of academia engaging with the broader community in the pursuit of sustainable development goals. Apart from instilling the sense of appreciation for the national heritage, the event also addresses multi-pronged contemporary concerns such as reducing emissions from transportation and fostering community well-being, all of which are important components of sustainable and resilient cities and communities.





### **Green Electric Tariff - Renewable Energy Procurement**

The Management and Science University ramps up its sustainability commitment to provide advocacy for SDG 11 in upholding resource efficiency and clean energy adoption to sustain the livelihood of its community through the procurement of a substantial portion of its energy through a green electric tariff, primarily sourced from renewable energy, notably hydropower. This practice is a testament to MSU's dedication in building sustainable and resilient communities. By embracing clean energy solutions and minimizing further reliance on non-renewable sources, this initiative contributes to the goal of making cities and human settlements more sustainable, safe, and inclusive.



### **Sustainable Building Practices and Community Well-Being**

The Management and Science University (MSU) has made significant strides in promoting Sustainable Development Goal (SDG) 11, which focuses on Sustainable



Cities and Communities. With a Diamond-2 rating in the SEDA Malaysia Sustainable Energy Low Carbon Building Assessment, MSU has demonstrated its commitment to reducing carbon emissions through sustainable building practices. MSU achieved this outstanding recognition for the prior reduction of carbon emissions, which is drastically reduced compared to the previous baseline. This substantial reduction in carbon emissions puts MSU on track to support the government's target of reduced CO2 emissions by 2030. Beyond the green certification, MSU's commitment extends to enhancing teaching, learning, and research experiences with cost-effective sustainable strategies that minimize energy and water consumption.



### **Empowering Sustainable Urban Transportation**

The concerted effort of MSU, a prominent educational institution, and Majlis Bandaraya Shah Alam, the local government authority, has converged to propel Sustainable Development Goal 11 (SDG 11) into actionable reality. This joint effort is focused on enhancing sustainable urban transportation and reducing carbon emissions in the lively community of Shah Alam. MSU's exceptional contribution in this collaborative work encompasses the input and support for mapping out public transportation routes to make students' accessibility to campus easier and improving the urban landscape for a better sustained city.

In addition to the contributions made in transportation, MSU also embarks on the initiative to provide Electric Vehicle Charging Stations, further contributing to the eco-conscious vision for Shah Alam's urban environment. This collaborative effort has a concrete impact, with data demonstrating a significant reduction in carbon

emissions. Moreover, feedback from students and the community serves as compelling evidence of the initiative's practical success. This initiative emphasizes the critical role of these partnerships in achieving SDG 11 and enhancing the sustainability and well-being of Shah Alam's urban environment. Future initiatives are perpetually in progress for a sustainable, interconnected, and environmentally responsible future for the city.



### **MSU's MySolar**

Management and Science University (MSU) has earned accolades for its MySolar project, winning a gold medal at the Research Innovation Commercialization and Entrepreneurship Showcase (RICES). Pioneered by the Faculty of Information Sciences and Engineering (FISE), the MySolar project is a comprehensive initiative aimed at addressing the energy needs of rural and indigenous communities in Malaysia. It focuses on implementing small-scale renewable energy solutions to improve the quality of life for those in underserved areas.

The MSU MySolar project imposes a profound impact on the lives of communities, such as the Orang Asli and residents of Surau Kampung Teluk Dalam on Pangkor Island. Thanks to two 100W solar panels installed in the recent project, these communities now enjoy sustainable power for twelve hours a day. The Orang Asli community in Paloh Inai are currently able to access to reliable lighting through a 15W flexible solar panel, leading to savings on batteries and generator fuel, reduced traveling time for power-charging trips to town, and a remarkable fifty-percent increase in productivity due to extended access to lighting. The MySolar project is made possible through funding from the MSU SEED Grant, industry sponsorship, and alumni contributions. This project ensures rural community empowerment and transformation

to be meaningful for many. Under the guidance of MSU President Professor Tan Sri Dato' Wira Dr Mohd Shukri Ab Yajid and a dedicated team, including Project Leader Associate Professor Dr Muhammad Irsyad Abdullah, the MySolar project continues to drive positive changes and making differences in the lives of those it serves.





## **SDG 12 : RESPONSIBLE CONSUMPTION AND PRODUCTION**

In alignment with SDG Goal 12, Management and Science University demonstrates a proactive commitment to responsible consumption and production. The university champions sustainability through initiatives such as the "No Plastic Bag" campaign, actively discouraging the use of plastic bags to reduce environmental impact. Additionally, MSU prioritizes responsible electronic waste management, ensuring the proper disposal and recycling of e-waste to minimize environmental harm. Beyond internal practices, MSU extends its commitment by educating the community on waste management, promoting awareness and responsible consumption practices. These concerted efforts contribute significantly to the advancement of SDG Goal 12, reflecting MSU's dedication to fostering a sustainable and responsible approach to consumption and production within its community and beyond.



### **No Plastic Bag Campaign**

The Management and Science University (MSU) has taken proactive steps in support of Sustainable Development Goal (SDG) 12, focusing on responsible consumption and production across all quarters. The "No Plastic Bag Campaign @ This Hub", showcases MSU's dedication to creating positive changes to the environment. The campaign encourages all students, scholars and staff to avoid single use plastic bags.

Through this initiative, MSU communicates its enmity against environmental pollution caused by improper waste disposal and non-biodegradable plastics as a way of promoting a sustainable lifestyle. This collective effort is actively contributing to the safeguarding of our planet for the benefit of future generations. Through this campaign implementation, it positions this impactful initiative congruent with SDG 12, highlighting the significance of sustainable consumption and production patterns. MSU believes that this collective action is the key to shaping a more eco-conscious and sustainable tomorrow



## Recycletronic Squad

The transformation of MSU's "E-waste" initiative to "Recycletronic Squad" and its introduction of Recycletronic Boxes exemplify a holistic approach towards achieving Sustainable Development Goal 12 (SDG 12), which is dedicated to ensuring sustainable consumption and production patterns. Through the rebranding of this e-waste management initiative, MSU further rejuvenates the call for community involvement in recycling awareness and cultivating responsible electronic waste management via its Recycletronic boxes placed at different campus locations.

The "Recycletronic Squad" initiative marks as a shared conscience adopted by the MSU community that induces responsible consumption and production behaviour among students. This initiative also sets forth for future initiatives and association establishments to follow suit in furtherance of SDG 12 goal.





### **Sustainable Operational Practices at MSU**

The Management and Science University (MSU) has taken significant steps to contribute to stay abreast for Sustainable Development Goal 12 (SDG 12) pertinent to "Responsible Consumption and Production" through a series of practices. Some of it include plastic water bottle replacement with canned mineral water to encourage the act of recycling and reducing the detrimental effects of improper plastic waste disposal simulataneously. The implementation of this initiative is well-received across all students and staff and reinforces the mass attitude and perceptions of the campus community in upholding the responsible consumption and production patterns of waste and resources.

To maximize environmental pollution mitigation, MSU reusable canvas bags for both students and staff are produced. These reusable bags are designed to encourage responsible consumption and production by minimizing the need for disposable plastic bags. By offering an affordable and eco-friendly alternative, our goal is to reduce the overall utilization of single-use plastic bags, promoting a sustainable approach to daily activities in support of SDG 12.





### **My Kampung Community Program**

The students of Management and Science University (MSU) visited the village of Tuba, Langkawi Island in a community engagement trip to advance Sustainable Development Goal 12 for responsible consumption and production patterns. The trip is a part of “MyKampung” programme that aims to foster responsible waste management practices in pursuance of diminishing the environmental impacts.

Accompanied with additional initiatives such as My Kampung Trash Hero, this outreach empowers rural and local residents to actively partake in sustainable waste reduction and disposal activities. These efforts align with the broader goals of the Sustainable Development Agenda, including addressing issues like poverty, hunger, health, and education. By actively participating in these initiatives, the MSU students are not only promoting responsible consumption and production but also making significant strides towards a more sustainable and prosperous future for the community and the planet as a whole.



## SDG 13 : CLIMATE ACTION

In alignment with SDG Goal 13, Management and Science University actively addresses climate action through community engagement and environmental initiatives. MSU collaborates with the community by conducting programs focused on climate awareness and participates in mangrove projects, emphasizing the importance of preserving coastal ecosystems. Furthermore, MSU celebrates Earth Day, organizing events and activities that raise awareness about environmental issues and promote sustainable practices. These collective efforts underscore MSU's commitment to climate action, fostering a sense of shared responsibility and actively contributing to SDG Goal 13 by mitigating climate-related challenges and promoting environmental sustainability.



### **Emergency Response Team (ERT)**

The Management and Science University (MSU) takes proactive measures to enhance its readiness for the monsoon season, prioritizing the well-being and safety of its wider community and students. In collaboration with the Selangor Fire and Rescue Department, MSU organized informative talks to equip its community with vital knowledge and skills for effective response to potential emergencies during the monsoon season. Additionally, under the MSUCares initiative, the university introduced its Emergency Response Team (ERT), demonstrating its commitment to ensuring the community's safety and well-being during flooding incidents. The inauguration of the ERT also features a specialized boat for the MSUCares Flood Relief Team (FRT), comprising 60 dedicated volunteers, including both students and staff, highlighting MSU's dedication to community support and fostering a sense of unity among all stakeholders.

The officiation of the MSU's emergency response and flood relief committee showcases the university's emphasis on community solidarity and preparedness for natural disasters. In addition to preparations made, this event also nurtured a culture of responsibility and community resilience as a compelling example for other educational institutions and inspiring a stronger sense of unity among its stakeholders.

This comprehensive effort underscores MSU's commitment to safeguarding the safety and well-being of its immediate community, reinforcing the institution's role as a responsible and caring member of the wider society.



### **MSU Earth Day**

Every year, MSU celebrates Earth Day to present advocacy for environmental sustainability and the objectives of SDG 13 to tackle climate challenges. This annual occasion brings together students and the local community to raise awareness about climate change and inspire collective action, making a consistent and impactful contribution towards a better sustained future. This event transcends beyond mere symbolism as it serves as a tangible demonstration of MSU's commitment to addressing climate change and contributing to the global mission of SDG 13. The Earth Day often being accompanied with engaging activities such as tree planting, eco-friendly workshops, and awareness campaigns, all aimed at educating, engaging, and inspiring the MSU community and beyond. By consistently upholding this tradition, MSU provides a consistent and meaningful platform for learning and action,



contributing significantly to the broader global effort to tackle climate-related challenges.



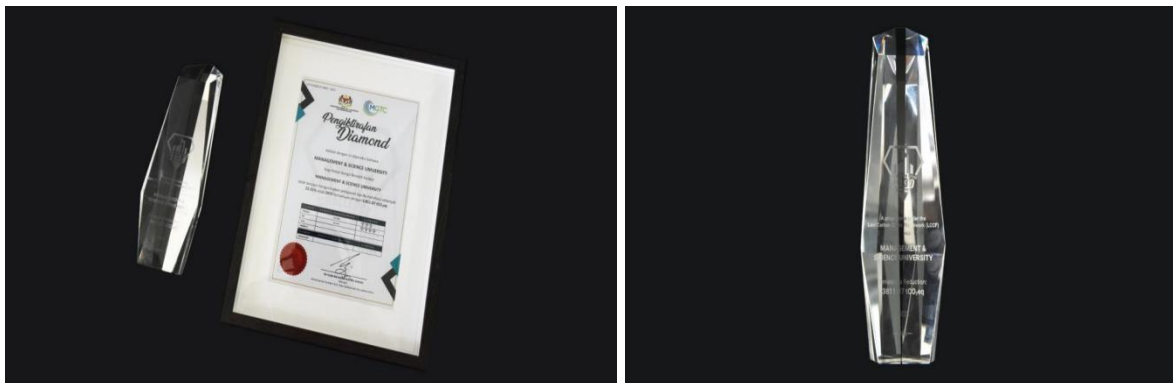
### **Green Initiative**

Management and Science University (MSU) has taken a commendable stance in addressing the urgent global challenge of climate change through its Green Initiative and commitment to achieving net-zero emissions. In accordance with the GHG Protocol standard, MSU's rigorous assessment of carbon emissions for both the baseline year (2019) and the current year (2022) underscores the institution's dedication to environmental sustainability.

MSU's commitment to net-zero emissions by 2035 aligns with the target set by the Majlis Bandaraya Shah Alam (MBSA) City Council and demonstrates the university's dedication to being a responsible global citizen. To achieve this goal, MSU has implemented a range of strategies, including energy-efficient technologies, renewable energy adoption, comprehensive waste management programmes, and a strong focus on sustainability education and awareness. These initiatives underscore MSU's holistic approach to addressing climate change by reducing emissions, promoting energy efficiency, and educating the next generation about the importance of environmental stewardship.

### **Diamond Recognition by MGTC**

Management and Science University (MSU) has earned prestigious Diamond recognition from the Malaysian Green Technology and Climate Change Corporation (MGTC), affirming its commitment to Sustainable Development Goal 13: Climate Action. MSU achieved remarkable reductions in water and energy usage, receiving five diamonds for a 26.51 percent reduction in water consumption and three diamonds for a 23.38 percent reduction in energy usage. These sustainability efforts not only enhance campus experiences but also contribute significantly to the fight against climate change. MGTC's recognition certifies a substantial 23.31 percent reduction in greenhouse gas emissions, reducing carbon dioxide emissions by 3,811.07 tonnes since 2019. MSU's dedication to sustainability is further emphasised by its impressive Diamond-2 rating in the Sustainable Energy Development Authority's (SEDA) Malaysia Sustainable Energy Low Carbon Building Assessment 2020, reinforcing its pivotal role in promoting climate action and environmental responsibility.



### **Mangroves Tree Planting**

The Mangrove Tree Planting Program, an exemplary initiative spearheaded by Management and Science University (MSU) in collaboration with Cenviro Sdn Bhd, Free Tree Society, and Yayasan Hijau Malaysia, along with the support of Jabatan Perhutanan and Jabatan Pengairan dan Saliran, reflects a strong commitment to Sustainable Development Goal (SDG) 13. This collaborative effort successfully planted 500 mangrove trees in Port Dickson, Negeri Sembilan, showcasing a powerful synergy between climate action and carbon sequestration. By actively involving the community, university, and students, MSU's initiative not only contributes to mitigating climate change but also emphasises the importance of collective environmental

stewardship. At its core, this MSU-led initiative aims to instill a deep sense of love and responsibility for the environment, empowering the next generation of leaders to actively participate in safeguarding our planet and advancing the values of the SDGs.



### **Community Outreach (Pulau Ketam)**

In an effort to address the urgent global call for climate action outlined in SDG 13, Management and Science University (MSU) has undertaken a comprehensive community service project on Pulau Ketam. This small island, inhabited by indigenous communities, was the focal point for MSU's educational initiatives on climate change and its impacts. We organised workshops and awareness campaigns to educate the indigenous population on climate-resilient agriculture, sustainable land management, and early warning systems. Concurrently, the university initiated clean-up drives, waste management programmes, and recycling education to enhance environmental cleanliness. Collaborative partnerships with local organisations and indigenous leaders have also been forged, exemplifying the importance of collective action in achieving the SDGs. These integrated efforts have raised climate change awareness, improved environmental conditions, and empowered the local community, illustrating the potential for local initiatives to contribute to global sustainability objectives.





## SDG 14 : LIFE BELOW WATER

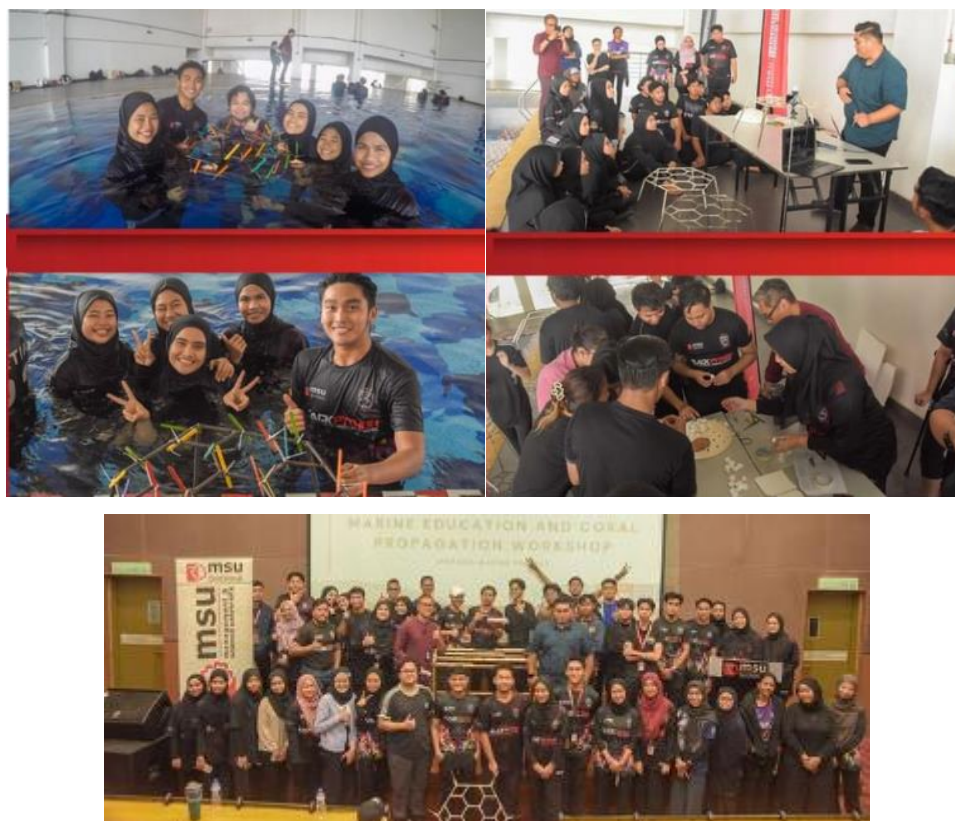
In alignment with SDG Goal 14, Management and Science University spearheads the Coral Project, showcasing its active commitment to marine life conservation. The initiative involves comprehensive efforts such as talks on marine ecosystems, workshops, and beach cleaning activities. This multifaceted approach not only contributes to the preservation of coral reefs but also raises awareness about marine ecology and fosters community involvement in marine conservation. MSU's My Coral Project aligns seamlessly with SDG Goal 14, underscoring the university's dedication to the sustainable use and conservation of life below water.



### **Marine Education and Coral Restoration Workshop**

SDG 14, which pertains to responsible consumption and production, finds an intriguing ally in the form of the Marine Education and Coral Restoration Workshop, a collaborative effort between our university and Dr. Hamizan from Dorken Reef, an industrial strategic partner in the realm of coral restoration. This enlightening workshop was a beacon of sustainable education, underscoring the significance of responsible consumption in the preservation of our oceans. Dr. Hamizan shared invaluable insights into the methods of coral restoration, shedding light on how we can mitigate the damage caused by unsustainable practices. By imparting knowledge on coral conservation, the workshop effectively instilled a sense of responsibility among participants, aligning with the principles of SDG 14.

This practical exposure to coral restoration methods was an embodiment of the sustainable practices that SDG 14 seeks to promote. It not only enriched their understanding but also kindled a passion for responsible consumption and production. The workshop serves as a testament to our university's commitment to sustainability and its active role in fostering responsible consumption and production practices.



### **MY CORAL 5.0**

Management and Science University (MSU) exemplifies its dedication to environmental stewardship and global community engagement through the My Coral 5.0 program. As a university with a strong track record of supporting the United Nations' Sustainable Development Goals (SDGs), MSU's commitment to SDG 14, which centres on conserving and sustainably managing life below water, shines through in this initiative. The My Coral 5.0 program, an annual event established by MSU for the past five years, not only involves students from MSU but also welcomes participants from various faculties at Airlangga University in Indonesia, highlighting the university's commitment to fostering international ties and promoting cross-cultural exchange. By facilitating this programme, MSU plays a pivotal role in nurturing a global community dedicated to marine conservation and sustainable development.

Under the expert guidance of the World Wildlife Fund (WWF) and MSU's leadership, My Coral 5.0 participants engage in a multifaceted approach to marine conservation. They actively contribute to preserving endangered sea turtles by excavating nests and ensuring safe hatching. Furthermore, students are deeply



involved in merambong and pandan laut seedling extraction, essential activities for the restoration of coastal ecosystems crucial to the survival of marine life. MSU's emphasis on meticulous beach cleaning further underscores the university's dedication to mitigating the impact of pollution and litter on delicate ecosystems, solidifying its commitment to SDG 14 and the broader goals of sustainable development.



### **Beach Cleaning At Pantai Morib**

In our comprehensive university Sustainable Development Goals (SDG) report, we spotlight the commendable joint effort of the MSU Environmental Club (MEC) and the International Student Society in their recent collaborative undertaking, a beach cleaning activity at the scenic Pantai Morib. This initiative, rooted in the spirit of SDG 14, which aims to protect and sustainably manage life below water, exemplifies our institution's commitment to environmental stewardship and global responsibility. The event not only served as a catalyst for raising environmental awareness among students but also fostered a sense of community engagement and cooperation that

transcends borders. Through their dedicated actions, the students involved played a pivotal role in preserving the fragile marine ecosystems at Pantai Morib and promoting the creation of sustainable coastal environments for both present and future generations.

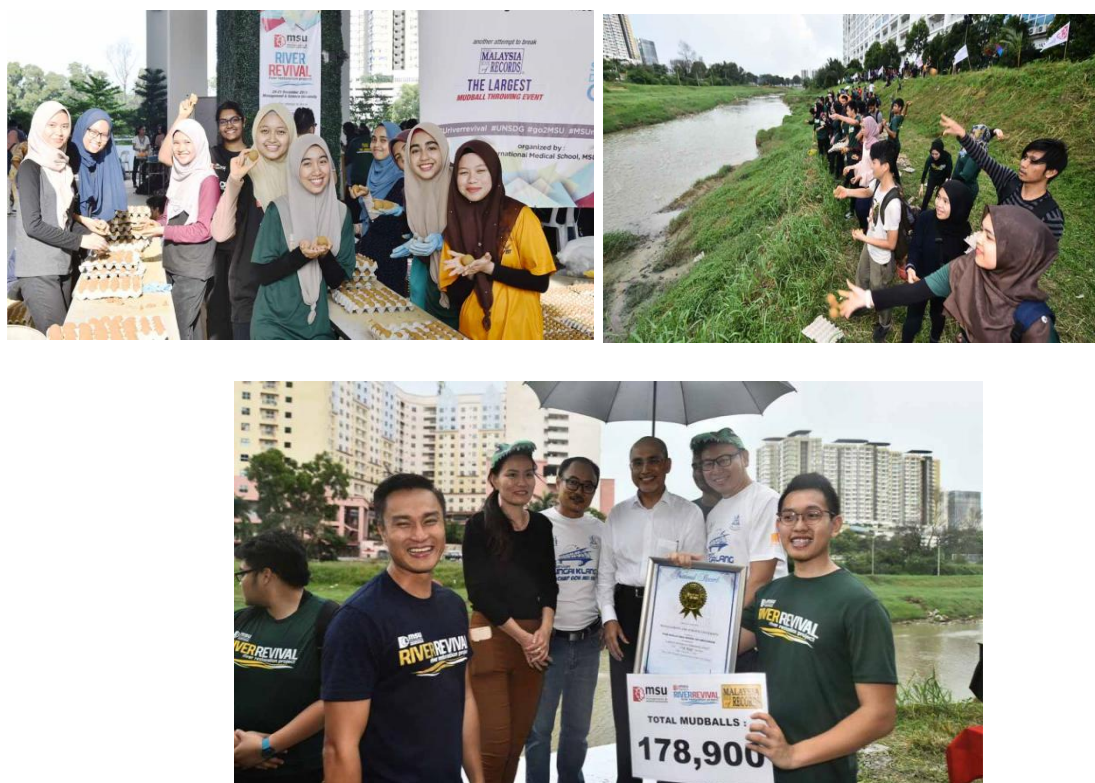


### **River Revival Project**

Management and Science University (MSU) has taken a significant step in addressing environmental degradation and supporting the United Nations Sustainable Development Goals (UNSDG) by initiating a river restoration project that has broken new ground in Malaysia. The project involves the use of 178,900 enzymatic mudballs, an innovative approach to combating eutrophication, which is one of the crucial environmental impact factors contributing to climate change. Eutrophication, caused by the excessive discharge of nitrates and phosphates into the environment, is a pervasive issue in polluted bodies of water, and MSU's initiative offers a promising solution.



In a remarkable display of community engagement, the largest Mudball-Throwing Event as part of the River Revival project saw around a thousand volunteers from MSU's International Medical School (IMS) and members of the MSU community coming together to launch these enzymatic mudballs into the river adjacent to the MSU campus grounds. These mudballs play a vital role in restoring the river ecosystem by decomposing sludge, a consequence of excessive nutrient runoff. The decomposition process not only helps remove sludge but also stimulates the growth of oxygen-producing phytoplankton, thereby increasing oxygen levels in the water. This, in turn, activates oxidative bacteria, further accelerating the natural restoration of the river. MSU's commitment to this sustainable endeavour exemplifies its dedication to environmental preservation and aligns with the global goals of UNSDG.



### **MoU with Friends of Rivers Malaysia**

Management and Science University (MSU) has taken a significant step towards environmental sustainability by signing a memorandum of understanding (MoU) with Friends of Rivers Malaysia (FoRM). This collaboration aims to contribute to the fulfilment of UN Sustainable Development Goals through River of Life activities, with a particular focus on uplifting and upgrading the Damansara River stretch behind



MSU's main campus in Shah Alam. MSU's President, Professor Tan Sri Dato' Wira Dr. Mohd Shukri Ab Yajid, emphasised the importance of community engagement and environmental sustainability at the university, which have been fundamental pillars of their mission for nearly four decades. The collaboration with FoRM aligns with MSU's commitment to the UNSDG movement, embracing Goals 1–17 as an integral part of their institutional DNA.

The joint effort between MSU and FoRM signifies a proactive approach towards environmental sustainability, with the aim of not only upgrading the Damansara River but also building character, competitiveness, and concern among students.



### **MSU Sg Damansara National River Trail Project**

Management and Science University (MSU) demonstrates its steadfast commitment to the United Nations Sustainable Development Goal 14 (UNSDG 14)—Life Below Water—through its latest initiative, the MSU Sg Damansara National River Trail Project. In collaboration with Malaysia's Ministry of Environment and Water (KASA) and the Department of Irrigation and Drainage (JPS), this project aims to contribute to UNSDG 14 by fostering a deeper appreciation for and sustainable management of aquatic ecosystems.

The impact of the MSU Sg Damansara National River Trail Project extends further as students from MSU's School of Pharmacy (SPH) will directly benefit from the cultivation of medicinal plants, aligning with UNSDG 14's objective to conserve and sustainably use marine and coastal ecosystems. With the active participation of over 300 volunteers, this collaborative endeavour underscores MSU's proactive approach to addressing environmental challenges and contributing to UNSDG 14's overarching mission. The project exemplifies MSU's role in safeguarding and promoting life below water and underscores its dedication to sustainable development and environmental conservation, in harmony with the United Nations' Sustainable Development Goals.



## **Buzon**

Management and Science University (MSU) is committed to advancing Sustainable Development Goal 14 (SDG 14), "Life Below Water," through the conservation of aquatic life on its campus. The MSU Buzon, home to turtles, fish, and koi, is a testament to our dedication to biodiversity and sustainability. This initiative reflects our commitment to preserving aquatic ecosystems and aligns with the global goals set by the United Nations.

The Buzon serves as a thriving ecosystem that embodies the principles of SDG 14. It provides a haven for a diverse community of aquatic life, including native and ornamental fish, turtles, and koi. By maintaining a balanced and self-sustaining environment, we actively contribute to the conservation of aquatic life and the promotion of biodiversity. Our approach to ecosystem management, including regular water quality monitoring, responsible feeding practices, and aeration systems, showcases sustainable practices that align with SDG 14's guidelines for responsible

resource management. The pond fosters community involvement, aligning with the global goal of engaging and mobilising local communities.





## **SDG 15 : LIFE ON LAND**

In alignment with SDG Goal 15, Management and Science University actively engages in initiatives to promote life on land. The university's commitment is exemplified through its Mangrove Project, showcasing a dedication to the conservation of terrestrial ecosystems. In addition to practical efforts, MSU conducts educational talks on nature, emphasizing the importance of biodiversity and sustainable land use practices. Furthermore, MSU establishes its own herbal garden, featuring an impressive collection of 100 different species of local medicinal plants. This holistic approach not only contributes to the preservation of ecosystems but also promotes the sustainable use of natural resources and the preservation of biodiversity. MSU's multifaceted initiatives align seamlessly with SDG Goal 15, underscoring the university's commitment to the protection and sustainable management of life on land.



### **Save the Nature**

Management and Science University has risen to the challenge of providing effective virtual learning experiences and engagement opportunities for its students. In collaboration with Skuad Komuniti Prihatin Sabah (SkuadKPS), Management and Science University initiated the #Listen2Donate sharing session, fostering a sense of community and a giving and grateful (2G) culture among students. This event not only offered valuable insights into community service activities during the COVID-19 pandemic but also involved the collection of participation fees to support future community initiatives.

Furthermore, Management and Science University partnered with the Sabah Wetland Conservation Society to host the virtual programme, "Mangrove Talk: Save Nature." This initiative, attended by members of the Kembara Club, focused on raising awareness about the importance of mangrove forests. Through active engagement and the students' participation in this virtual event, the institution demonstrated its

dedication to promoting environmental conservation and sustainable practices, aligning with SDG 15's objectives.



### **My Blue Forest 5.0**

In our unwavering commitment to the United Nations Sustainable Development Goals, we have conducted "msuMyBlueForest5.0," a groundbreaking mangrove planting programme developed in close collaboration with the Sustainable Conservation and Development (SCD) organisation, generously supported by the Jabatan Perhutanan Negeri Selangor. This visionary initiative harmonises with the principles of SDG 15, which strives to safeguard, rejuvenate, and advocate for the sustainable utilisation of terrestrial ecosystems. "msuMyBlueForest5.0" is dedicated to enlightening and empowering communities, instilling a profound sense of environmental responsibility, with a primary focus on preserving our invaluable mangrove forests, preserving biodiversity, and nurturing terrestrial ecosystems. At our esteemed university, we steadfastly champion and bolster the fundamental tenets of environmental sustainability, uniting our collective efforts towards a more robust and verdant future for all.





### **Our Environment, Our Nature**

The initiative undertaken by a collaborative network of organisations, including the MSU Foundation Yayasan MSU (YMSU), Majlis Perbandaran Sungai Petani Kedah (MPSPK), Jerai Geopark Kedah, Pejabat Perikanan Daerah Kuala Muda/Yan Kedah, Jabatan Perhutanan Kedah Tengah Sungai Petani, and Kelab Pendidikan dan Kebajikan Puncak, exemplifies a dedicated commitment to addressing the goals outlined in SDG 15.

Activities undertaken included reforestation efforts, habitat conservation, and sustainable land management practices. These actions were integral to combating deforestation, habitat degradation, and biodiversity loss, which are some of the pressing challenges threatening our planet's ecosystems. The involvement of these organisations in the preservation of terrestrial ecosystems highlights the significance of local and regional action in achieving global sustainability goals. Their dedicated work not only serves as an essential contribution to SDG 15 but also as an inspiration for similar endeavours worldwide. By addressing the issues of land degradation, deforestation, and habitat loss, this collaborative effort is making a significant impact in the fight to sustain "Life on Land."





## **MSU Herbal Garden**

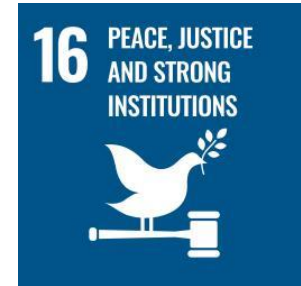
Management and Science University (MSU) is deeply committed to supporting Sustainable Development Goal (SDG) initiatives, particularly in the realm of research, education, and community engagement. One notable endeavour is the MSU Herbal Garden, established in partnership with the Jabatan Pertanian Negeri Selangor (JPNS) to conserve and study medicinal plants and herbs. With a focus on biological resources, the garden aims to serve as a repository for traditional medicine and pharmaceuticals in Malaysia by facilitating research into natural remedies and medicinal properties. The collaborative initiative encompasses plantation, the development of a digital book, and plant identification and tagging, and it holds the potential to revolutionise the development of local herbs in the country. As a living lab, the garden welcomes students, lecturers, and researchers to explore and conduct research on the various medicinal plants, fostering a deeper understanding of their traditional uses and pharmacological activities.

The MSU Herbal Garden features around 100 different species of local medicinal plants, each thoughtfully organised in raised beds with QR codes for easy access to detailed information. This project represents a 10-year commitment by MSU and Jabatan Pertanian Negeri Selangor and aims to provide a valuable resource for researchers and the broader public, ultimately contributing to the preservation of traditional medicinal knowledge and biodiversity in line with SDG 15: Life on Land. Upon completion, the garden will be accessible to the public, allowing visitors to learn, observe, and study the diverse herbal plants within its borders.



## SDG 16 : PEACE, JUSTICE AND STRONG INSTITUTIONS

In line with SDG Goal 16, Management and Science University demonstrates a commitment to promoting peaceful and inclusive societies. MSU's leaders actively engage in external authorities, showcasing their involvement in promoting good governance, justice, and effective institutions. This collaborative participation fosters a sense of shared responsibility in contributing to a just and inclusive society. MSU's commitment to external involvement aligns with the principles of SDG Goal 16, emphasizing the importance of strong institutions and collaborative efforts for the establishment of peaceful, just, and inclusive communities.



### **Professor Tan Sri Dato' Wira Dr Mohd Shukri Ab. Yajid 's Commitment to Education and Governance**



Professor Tan Sri Dato Wira Dr. Mohd Shukri Ab Yajid, the President of Management & Science University (MSU), is actively engaged in various significant roles, demonstrating a deep commitment to higher education, governance, and the principles of SDG 16 (Sustainable Development Goal 16). In addition to his leadership at MSU, his diverse involvements include:

Advisory Council Member of the Federation of Malaysian Manufacturers (FMM), where he contributes to initiatives that support responsible and ethical business practices and governance.

Appointment as a Member of the National Education Council, where he plays a pivotal role in shaping national educational policies and practices, aligning with SDG 16's objectives of promoting peace, justice, and strong institutions.

Member of the Urban Governance Council of Shah Alam City Council, contributing to local governance and urban development in line with the principles of SDG 16 related to accountable and inclusive institutions at all levels.

Member of the Higher Education Advisory Committee, actively participating in advancing the quality and effectiveness of higher education in Malaysia, aligning with SDG 16's emphasis on inclusive and equitable access to education.

Member of the Board of Advisors for the Academy of Leadership in Higher Education (AKEPT), contributing to the development and enhancement of leadership and governance in higher education institutions, which aligns with SDG 16's goals of promoting effective, accountable, and transparent institutions at all levels.

He has also been appointed to several vital committees by the Malaysian government, including the National Implementation Task Force (NITF) and the Human Resource Cluster Working Group (CWG), established under the Prime Minister's department. Moreover, his participation in the National Higher Education Sponsorship Committee under the Ministry of Higher Education, Malaysia, demonstrates his significant influence on education policies and quality standards in the country, closely aligned with the goals of SDG 16.

### **Dato' Rosli Yusof's Impact on Higher Education**



Management and Science University (MSU) is committed to advancing the Sustainable Development Goals (SDGs), including Sustainable Development Goal 16 (SDG 16), which focuses on promoting peace, justice, and strong institutions. This report highlights the contributions of Dato' Rosli Yusof, our esteemed Senior Vice President of Endowment and Communication whose extensive experience and commitment to the transformation of private higher education in Malaysia have led him to play key roles in various committees. Dato' Rosli Yusof's dedication to improving higher education has led to his appointment to several influential committees:

Council Member for Students Affairs Committee, Ministry of Higher Education Malaysia: Dato' Rosli's active involvement in this committee underscores his commitment to enhancing the student experience and welfare within the higher education sector.



Member of the Task Working Group for Internationalisation and Promotion (Pemudah IPTS), Ministry of Higher Education Malaysia: His participation in this group is crucial for promoting internationalisation and the global outreach of private higher education institutions in Malaysia.

Advisory Committee Member for Education Malaysia Global Services (EMGS, MOHE): Dato' Rosli's role in this committee reflects his dedication to making the Malaysian higher education system more accessible and attractive to international students.

Deputy Secretary General for the Malaysian Associations of Private Colleges and Universities (MAPCU): As a leader in this essential association, Dato' Rosli Yusof contributes significantly to the development of private higher education in Malaysia, which directly impacts the growth and quality of education institutions within the nation.

These appointments and active participation in committees are in perfect alignment with the principles of SDG 16, which emphasise the promotion of peace, justice, and strong institutions.

### **The Key Insights of Prof. Datuk Dr. Rohaizat Hj Yon**



Prof. Datuk Dr. Rohaizat Hj Yon, regarded as one of the ministry's war generals in the fight against Covid-19 in Malaysia. In addition to the outbreak of COVID-19, Prof. Datuk Dr. Rohaizat was involved in managing the H1N1 Influenza outbreak, chemical pollution in Sungai Kim Kim, Teluk Kok, fire outbreak at Sultanah Aminah Hospital Johor Bahru, flood disaster at Kuala Krai Hospital and others. He has extensive experience in planning, and managing healthcare delivery and financing reform as well as crisis and disaster management. Currently, Prof. Datuk. Dr. Rohaizat plays a

significant role as a member of the Board of Governors at MSU. He is also serving as a Professor in Public Health, MSU and Consultant of Public Health Physician at MSU Medical Centre. His roles and insights exemplify the university's efforts to achieve SDG 16 related to peace, justice, and strong institutions are of great significance.

Prof. Datuk Dr. Rohaizat Hj Yon has participated in the conference on White Paper officiated by the Prime Minister of Malaysia. Input on white paper especially on Public Private partnership has been accepted and included in Budget 2024. Prof. Datuk. Dr. Rohaizat has

engaged in giving educational talks related to health science careers to secondary school students and MSU students during Health Science Week organized in MSU. He is involved in stakeholders' engagement to Governance Framework for Allied Health organized by Ministry of Health and involved in collaboration and presentation Malaysian experience in managing COVID-19 & Malaysian Health System) delegations from International University of Health & Welfare, Japan.

### **A Feat of Aligning Professional Engagement by Prof. Dr. Muhammad Najib Bin Mohamad Alwi**



Prof. Dr. Muhammad Najib bin Mohamad Alwi has made significant contributions to the medical field, aligning with the principles of Sustainable Development Goal 16 (SDG 16). His active involvement in various medical associations and organizations underscores his commitment to fostering peaceful and inclusive societies. As a Psychiatrist at MSU Medical Centre, he not only contributes to individual well-being but also actively participates in shaping the broader medical landscape. His role as a Life Member of the

Preliminary Investigation Committee and Vetting Committee for EPR (THEORY) at the Malaysian Medical Council since 2017 reflects his dedication to justice and effective institutional development in the medical realm. Prof. Dr. Muhammad Najib's memberships in key bodies such as the Malaysian Medical Association, Malaysian Psychiatric Association and Islamic Medical Association of Malaysia (IMAM) highlight his substantial impact on shaping and advancing medical practices in Malaysia.

### **Professor Dr. Abdol Ali Khatibi**



Professor Dr. Abdol Ali Khatibi is the Senior Vice President for Postgraduate (offshore campuses) at MSU. Prof. Dr. Ali is an Honorary Board Member of the European Marketing and Management Association, demonstrating his commitment to professional development and networking.

As a professional educator, Professor Dr. Abdol Ali actively participates as a plenary speaker and panelist in conferences related to sustainability, management, education and business. Prof. Dr. Ali has been invited as the guest of honor to share his expertise with fellow professionals at the International Conference on E-Education, E-Management and E-Business – Post Covid Era at Dr.M.G.R. Educational and Research Institute, Maduravoyal, Chennai.

He has participated as Conference Co-Chair at the Business and Entrepreneurship Development in a Globalized and Digitalized Era organized at Istanbul, Turkey. In addition to the conference participation, Prof. Dr. Ali has also participated as a presenter in online webinar program – Fighting Back from Business Shutdowns: Strategies for Bouncing Back into Good Health, Education and Jobs.

### **Dr. Danielle Valerinna's Leadership Journey at MSU**

Dr. Danielle Valerinna's leadership extends beyond the confines of our university. As a Management and Science University student and the Student Representative Council (SRC) President, she represented MSU in the Ministry of Higher Education's programme, "Jelajah Aspirasi Mahasiswa Antarabangsa," which included visits to the United Kingdom, France, and the Netherlands. Her participation in this international initiative signifies her commitment to fostering global relationships and enhancing international cooperation, vital components of SDG 16. By engaging in diplomatic missions and promoting educational exchanges, she contributes to building strong and effective institutions that can drive social change.

One of the most remarkable achievements of Dr. Danielle Valerinna was her selection as the Programme Director in the UNESCO Malaysia session held at the UNESCO



Headquarters in Paris. This appointment is a testament to her outstanding leadership skills, her dedication to educational and cultural diplomacy, and her commitment to advocating for strong institutions. Her work at UNESCO embodies the ideals of SDG 16, as it promotes peace, justice, and inclusivity on a global scale. MSU is proud to have such exceptional individuals like Danielle, an active participant in advancing the SDGs, ultimately making the world a more peaceful, just, and inclusive place for all.



## **SDG 17 : PARTNERSHIPS FOR THE GOALS**

In support of SDG Goal 17, Management and Science University takes a comprehensive approach to foster partnerships and collaborations. Beyond offering courses and programs directly related to sustainable development goals, MSU actively engages in collaborations and has Memoranda of Understanding (MoUs) with various partners. These partnerships strengthen MSU's commitment to knowledge exchange, capacity-building, and joint initiatives that contribute to the broader agenda of sustainable development.



### **MSU's Commitment to SDG Through Sustainability Academic Programmes**

In alignment with the United Nations Sustainable Development Goals (SDGs), Management and Science University (MSU) is dedicated to fostering partnerships for the goals through its Sustainability Academic Programmes. As a forward-thinking institution, MSU recognizes the need to address global challenges and contribute to positive changes in our society and the environment. Our SDG-focused courses are designed to empower students with the knowledge, skills, and values necessary to become agents of sustainable development in their respective fields. Across 13 undergraduate programs, 8 postgraduate programs, and a total of 23 specialized courses, spanning disciplines such as management, science, engineering, healthcare, and social sciences, we integrate the principles of sustainability and responsible practices. MSU's commitment extends beyond education, promoting a holistic approach to SDGs and reinforcing our dedication to creating a positive impact in partnership with our students and the broader community.

## **Management and Science University (MSU) and Shah Alam City Council (MBSA)**

### **Collaboration: Advancing Sustainable Urban Development**

In response to the pressing need to address climate change through responsible urban development, a Memorandum of Understanding (MoU) was signed between Management and Science University (MSU) and Shah Alam City Council (MBSA) in early September 2021. This collaboration marks a significant step towards achieving three major areas of focus: sustainable development goals (SDGs), entrepreneurship, and education and training.

MSU's involvement in this partnership aligns with various strategic initiatives, including the Green Technology Master Plan 2017–2030, the Selangor State Green Technology Blueprint, the Sustainable Smart Shah Alam (SSAM) 2035 Blueprint, the New Urban Agenda (NUA), and the Low Carbon Cities Framework (LCCF). The LCCF, managed by the Ministry of Energy, Green Technology, and Water (KeTTHA) since 2011, addresses key aspects such as buildings, urban infrastructure, urban transport, and the urban environment. The Low Carbon Cities 2030 Challenge focuses on energy, water, waste, mobility, and greenery.



### **Smart Med project**

The Smart Med project exemplifies a robust alignment with SDG 17, "Partnership for Goals." This particular Sustainable Development Goal emphasises the need for global collaboration and partnerships to effectively address and achieve the broader SDG agenda. The project is a striking embodiment of this spirit of international cooperation, as it involves numerous local institutions and universities across Indonesia, China, Japan, Thailand, and the Philippines. These collaborative efforts underscore the significance of working together across borders, reflecting the essence of SDG 17's



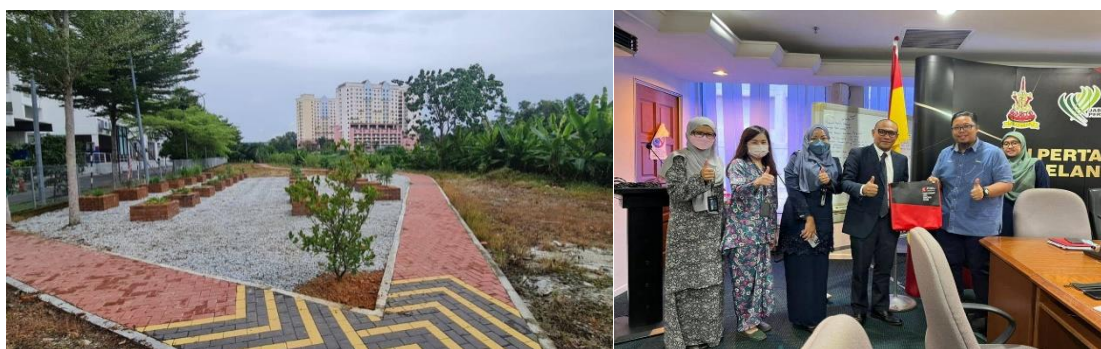
call for united action towards common objectives. Moreover, the project's knowledge transfer component, which equips students with valuable skills and promotes the exchange of expertise, enhances collaboration among institutions. In summary, the Smart Med project's commitment to international partnerships and cooperation aligns seamlessly with the principles of SDG 17, facilitating the collective pursuit of improving healthcare and medication management, while contributing to the broader sustainable development agenda.



### **MSU Herbal Garden**

Management and Science University (MSU) demonstrates a strong commitment to Sustainable Development Goal (SDG) initiatives, with a particular focus on SDG 17, "Partnership for Goals." Through its collaboration with the Jabatan Pertanian Negeri Selangor (JPNS) to establish the MSU Herbal Garden, the university emphasises the importance of partnerships in driving sustainable development. The garden's mission to conserve and study medicinal plants and herbs highlights the shared responsibility of institutions and government bodies in preserving traditional knowledge and biodiversity. This initiative serves as a testament to the collaborative spirit of SDG 17 by uniting expertise and resources to advance research, education, and community engagement.

The MSU Herbal Garden not only aligns with SDG 17 but also makes substantial contributions to SDG 15, "Life on Land." By acting as a repository for traditional medicinal knowledge and facilitating research into natural remedies derived from local biodiversity, the project fosters the conservation of traditional practices and the preservation of biological resources. This endeavour extends its impact by promoting partnerships in research and education, ultimately benefiting the broader public. As the garden opens its doors to visitors, it embodies the principles of SDG 17 by welcoming the community to learn, explore, and study the diverse herbal plants, thus ensuring that knowledge and biodiversity are shared and cherished by all.



### **The MySPINES project**

The MySPINES project exemplifies a robust alignment with SDG 17, which emphasises the importance of global partnerships in achieving sustainable development. Through multi-stakeholder collaboration, this initiative draws support from the World Health Organisation (WHO), the International Agency for the Prevention of Blindness (IAPB), and local businesses, among others. By channelling these partnerships, MySPINES strives to improve accessibility to eye care services in Malaysia, with a specific focus on the local community. The project's commitment to training volunteers and conducting research in health-related fields not only empowers individuals and organisations but also contributes to the broader goal of preventing blindness and promoting eye health. This holistic approach, along with the involvement of the private sector, underscores the project's alignment with SDG 17's principles of building partnerships for the goals.

MySPINES's dedication to community engagement, aligning with global initiatives, and leveraging private sector support highlights its instrumental role in the pursuit of SDG

17. Through its capacity-building efforts and commitment to data-driven research, the project embodies the spirit of SDG 17 by enhancing the collective effort to tackle global issues related to blindness and vision impairment. By collaborating with various stakeholders and promoting sustainable development at both local and global levels, MySPINES exemplifies the essential role of partnerships in achieving the broader framework of the Sustainable Development Goals.



### **MSU Sg Damansara National River Trail Project**

The MSU Sg Damansara National River Trail Project is a commendable endeavour that strongly aligns with United Nations Sustainable Development Goal 17 (SDG 17)—Partnerships for the Goals—in addition to its primary alignment with SDG 14—Life Below Water. This project exemplifies the power of collaboration, as it involves a partnership between Management and Science University (MSU), Malaysia's Ministry of Environment and Water (KASA), and the Department of Irrigation and Drainage (JPS). Such collaborative initiatives are central to the spirit of SDG 17, which



emphasises the importance of partnerships and alliances in achieving sustainable development goals.

Furthermore, the project's active engagement of over 300 volunteers underscores its commitment to involving a wide range of stakeholders in its efforts to promote the sustainable management of aquatic ecosystems. This approach directly addresses the principle of SDG 17, which encourages the active participation of civil society, governments, and the private sector in working together to accomplish common objectives.



## Leonie Vaas's Achievements in Asia's Top 7 Superwomen 2022



Leonie Vaas, a postgraduate student at MSU, has achieved recognition as one of Asia's Top 7 Sustainability Superwomen 2022. In her role as the Head of Sustainability and Sustainable Innovation at Hayleys Fabric, she has spearheaded an ESG strategy and a groundbreaking fashion show featuring international award-winning innovations in natural dyes and prints. Leonie also had the honor of making an official visit to the GRI headquarters in Amsterdam for the program "Integrating SDGs into Sustainability Reporting. Notably, Leonie received two international award-winning innovations, WARNA By Mahogany natural dye, and THE MIDNIGHT natural prints by charcoal, in the Fifth Forum of Ministers and Environment Authorities of Asia Pacific, organized by the United Nations Environment Program (UNEP) in collaboration with the Ministry of Environment Sri Lanka, showcasing her impactful contributions across all 17 SDG goal.

