QUEST INTERNATIONAL UNIVERSITY
(DU021(A))

15 Years of Excellence

SDG STEERING COMMITTEE REPORT 2025

www.qiu.edu.my/qiu-sdg

ABOUT US

The Quest International University (QIU) SDG Steering Committee continues to play a central role in advancing the United Nations 2030 Agenda for Sustainable Development. Comprising members from diverse academic, administrative, and professional backgrounds, the Committee oversees the planning, coordination, and implementation of SDG-aligned initiatives within the University and the surrounding community.

Through structured reporting, evidence-based evaluation, and cross-cluster collaboration, the Committee ensures that sustainability initiatives are meaningful, measurable, and aligned with institutional priorities.

FRAMEWORK OF THE QIU SDG STEERING COMMITTEE

Vision

Fostering sustainable development values, principles, and practices in society.

Mission

- To integrate sustainability in educational processes
- To implement strategies that drive impactful and sustainable change
- To collaborate with all segments of society to achieve the Sustainable Development Goals

Core Values

- Respect
- Integrity
- Inclusiveness
- Empathy

Motto

QUEST for Sustainability

SDG CLUSTER STRUCTURE

Under the SDG Steering Committee, four clusters coordinate SDG-related initiatives across the University. These clusters broaden staff and student participation while ensuring systematic alignment with the SDGs.

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1. EDUCATION CLUSTER

Objective: To provide students and the local community with the knowledge, skills, and motivation to understand and address the SDG challenges, and to empower and mobilise them for further action.

2. RESEARCH CLUSTER

Objective: To conduct research into SDG issues and craft solutions.

3. OPERATIONS CLUSTER

Objective: To align all University policies, procedures, and activities with the SDGs.

4. LEADERSHIP CLUSTER

Objective: To create awareness and identify engagement opportunities at the city, state, national, and international level as an advocate for sustainable development.

A Diversity, and Equality sub-committee was established to provide guidance on and implement policies, programs, and training focused on diversity, equity, inclusion, and human rights on campus. This six-member committee includes the Director of the Student Life Division, Deputy COO, Director of the Human Resource Division, Bursar, Dean of the Faculty of Social Sciences, and the Deputy Registrar. The committee collaborates with various departments, leadership, and staff to foster an inclusive and diverse environment where everyone has the opportunity to thrive.

INTRODUCTION

The QIU SDG Steering Committee Report 2025 presents a consolidated overview of SDG-aligned initiatives undertaken across the Education, Research, Operations, and Leadership Clusters during the year.

Activities in 2025 addressed key societal priorities including health and well-being, quality education, poverty alleviation, gender equality, environmental sustainability, and strategic partnerships. Emphasis was placed on SDG 3 (Good Health and Well-being), SDG 4 (Quality Education), SDG 8 (Decent Work and Economic Growth), SDG 10 (Reduced Inequalities), SDG 13 (Climate Action), and SDG 17 (Partnerships for the Goals).

2025 vs 2024 CONTINUITY STATEMENT

The SDG initiatives undertaken in 2025 represent a deliberate continuation and consolidation of the university's sustainability agenda established in 2024, rather than a departure from prior directions.

Across all four SDG clusters—Education, Research, Operations, and Leadership—activities in 2025 were designed to **strengthen, scale, or deepen the impact of existing SDG-aligned programmes** introduced in the previous reporting cycle.

Key areas of continuity include:

- **Governance and Structure:** The SDG Steering Committee framework, cluster objectives, and reporting mechanisms remain unchanged from 2024, ensuring consistency in institutional oversight and accountability.
- **Strategic SDG Focus:** Priority SDGs in 2024—namely SDG 3 (Good Health and Well-being), SDG 4 (Quality Education), SDG 8 (Decent Work and Economic Growth), SDG 10 (Reduced Inequalities), SDG 13 (Climate Action), and SDG 17 (Partnerships for the Goals)—continue to feature prominently in 2025 initiatives.
- **Programme Evolution:** Community partnerships such as **Ray of Hope**, financial literacy programmes for B40 communities, health awareness initiatives, and leadership capacity-building activities were sustained and expanded in scope, target groups, and depth of engagement in 2025.
- **Operational Sustainability:** Campus-based initiatives related to food waste management, healthy campus practices, and community support services build directly upon systems, policies, and pilots implemented in 2024.
- **Evidence-Based Reporting:** Similar to 2024, all 2025 initiatives are supported by documented proposals, participant records, impact statements, and verifiable evidence, enabling year-on-year comparison and audit readiness.

This continuity demonstrates QIU's commitment to **long-term, structured progress** towards the Sustainable Development Goals, emphasising institutional learning, programme maturity, and sustained stakeholder engagement rather than one-off activities.

KEY HIGHLIGHTS 2025

Community Health & Well-being

Health-focused outreach initiatives, including collaborations with Klinik Kesihatan Buntong, Ray of Hope, and local NGOs, strengthened access to preventive care and wellness education.

Education & Capacity Building

Financial literacy programmes, leadership development modules, and service-learning activities enhanced lifelong learning and social responsibility.

Environmental Stewardship

Community-based clean-up and waste reduction initiatives fostered environmental responsibility and strengthened climate-conscious action.

Partnerships & Inclusion

Multi-stakeholder collaborations supported B40 communities, women, children, and underserved groups through inclusive and targeted interventions.

SDG RELATED ACTIVITIES (2025)

The following activities were carried out by the various Faculties and SDG Clusters.

1. **Patch the Planet with Reezy: A QIU SDG Showcase**

   Patch the Planet with Reezy is an interactive sustainability exhibition designed to bring the Sustainable Development Goals (SDGs) to life in an engaging, inclusive, and relatable manner. The exhibition marked the official introduction of Reezy, a youth-friendly robot mascot developed to communicate sustainability concepts in an accessible way. Featuring content from the Reezy Guidebook—a co-created resource developed by students and educators—the exhibition invited the public to explore real-world sustainability challenges alongside simple, practical solutions for building a more sustainable future.


2. **Patch Your Dreams with Reezy (Sustainables! 1.0 activity)**

Held in conjunction with World Sleep Day, Patch Your Dreams X Reezy: Nap Your Way to Greatness aimed to educate students on the science of sleep and its impact on cognitive function, health, and daily performance. The session also provided practical strategies for managing sleep effectively in academic and professional settings. The event attracted approximately 100 students and staff members, reinforcing the importance of sleep and well-being within the campus community. This activity was led by members of Sustainables!, who graduated from the Sustainables Leadership Modules in 2024.

3. **Communication Expert Series**

The Communication Expert Series, organised by the Faculty of Social Sciences, bridges academic learning with industry practice by providing students with direct engagement with experienced communication professionals. Through interactive sessions, students gain insights into current industry trends, essential professional skills, and career development pathways. The initiative contributes to quality education and lifelong learning by enhancing employability-relevant competencies, supports decent work and economic growth by preparing students for evolving workplace demands, and advances partnerships for the goals through sustained collaboration between academia and industry practitioners.

4. **Public Speaking Competition**

The Public Speaking Competition supports the development of inclusive and equitable learning opportunities by strengthening communication, critical thinking, and language skills among secondary school students from diverse backgrounds nationwide. By providing broad access to a national platform and recognising student participation through formal co-curricular accreditation, the programme promotes educational equity and student empowerment. The collaboration with professional teaching associations and recognition by the Ministry of Education further demonstrate strong institutional partnerships that enhance the reach, credibility, and long-term impact of the initiative.

5. NextGen Science 2025

NextGen Science 2025, organised by the Faculty of Integrated Life Sciences (FILS), engaged students and teachers from four districts through expert-led lectures and hands-on laboratory activities in biotechnology, environmental technology, and food science. The programme bridged classroom theory with real-world scientific applications, enhanced scientific literacy and practical skills, and stimulated interest in future science- and technology-related careers.

6. World Cleanup Day 2025

World Clean Up Day 2025 was carried out at KRT Sungai Terap as part of the global clean-up movement, involving local residents, adults, teenagers, students, and key stakeholders. The initiative focused on the residential areas and the riverbank of Sungai Angkat, promoting environmental responsibility, waste reduction, and protection of local ecosystems. Implemented in collaboration with KRT Sungai Terap and the Global Environment Centre (GEC), the programme strengthened community participation and multi-stakeholder collaboration in fostering a cleaner and healthier living environment.

This picture was taken from The STAR, 22 October 2025

7. Heart-to-Heart with Science Series 2025

The Heart-to-Heart with Science seminar series was conducted in 2025 as an online, bimonthly programme aimed at exposing participants to the application of science for the betterment of society and the world. The sessions were scheduled during the CCA period on Wednesdays and featured six invited experts who shared insights into their respective fields of specialisation and contributions to societal advancement. In addition to engaging QIU staff and students, the series expanded its reach to members of the local and international community, promoting wider access to scientific knowledge, lifelong learning, and informed public discourse through an inclusive virtual platform.

8. QIU STEM Challenge 2025

The QIU STEM Challenge 2025 was organised by the Faculty of Integrated Life Sciences and the Faculty of Computing and Engineering to promote interest in science, technology, engineering, and mathematics among secondary school students. The competition engaged Form 4 and Form 5 students from over 100 schools across Perak, Penang, Kedah, and Perlis, providing a platform to showcase STEM knowledge and problem-solving skills. The initiative strengthened access to quality STEM education, nurtured young talent, and supported the development of future-ready learners through recognition and awards.

9. Healthy-Eating Awareness Campaign 2025

In conjunction with World Food Day 2025, the Faculty of Integrated Life Sciences in collaboration with the School of Hospitality, conducted a Healthy-Eating Awareness Campaign at QIU under the theme “Eat Smart, Live Right – Healthy Food is a Right, Not a Privilege.” The campaign engaged adults and young adults through awareness talks, workshops, affordable healthy meal initiatives, and physical and virtual activities across campus. It promoted informed food choices, long-term well-being, and accessible nutrition practices within the university and local community. The programme concluded with a closing ceremony featuring a nutritionist from Jabatan Kesihatan Negeri Perak, highlighting collaborative approaches to fostering sustainable and healthy lifestyles.

10. Hari TVET, ACS Ipoh

Hari TVET at SMK Methodist–ACS, Ipoh was conducted as a week-long programme featuring science- and technology-related talks, exhibitions, and hands-on experimental activities. Targeting Form 3 to Form 5 students, the initiative enhanced exposure to applied science, technical skills, and experiential learning beyond the classroom. The programme supported early skills development, informed career awareness, and fostered interest in technical and vocational pathways essential for future-ready education and workforce development.

11. STEM Programme: "I am a Girl, I am an Engineer"

The “I Am a Girl, I Am an Engineer” programme was conducted to empower underprivileged Form 3 female students from SMK Menglembu, Ipoh through hands-on STEM learning. Supported by the Universiti Tenaga Nasional Yayasan Canselor Universiti (YCU) Community Energy Grant 2025, the programme engaged 40 students alongside female facilitators from UNITEN and QIU’s Faculty of Computing and Engineering. Participants explored engineering concepts by building renewable energy–based prototypes, enhancing awareness of sustainable energy solutions and future career pathways. The initiative promoted gender inclusion, skills development, and environmental responsibility through experiential learning and mentorship.

12. Arduino Workshop

The Arduino Training Programme was conducted for Form 2 students from SMJK Ave Maria Convent, Ipoh to introduce fundamental concepts in electronics, programming, and microcontroller-based systems. Through hands-on activities, participants learned to design, code, and troubleshoot simple prototypes involving sensors, actuators, and basic automation. The programme strengthened problem-solving skills, creativity, and digital literacy, while fostering early interest in STEM-related fields and practical technological applications relevant to future innovation.

13. Public Health Campaign: Musculoskeletal Health and Well-being

Pharmacy students from Quest International University conducted their ninth annual Public Health Campaign to raise awareness of musculoskeletal health and well-being across all age groups. The campaign promoted early screening, prevention, and practical lifestyle measures through health talks, community screenings, medication management booths, and nutrition advice. A flagship event at Mydin Meru, supported by university leadership, health authorities, and pharmacy professionals, ensured broad public engagement and access to evidence-based health information. The initiative strengthened community health literacy while providing students with experiential learning in clinical practice, health communication, and community outreach.

14. Community Iftar Celebration

Quest International University successfully hosted its third consecutive annual iftar celebration, bringing together over 100 children and young adults from local welfare homes. Jointly organised by the Muslim Society and the Student Life Division, the event fostered social inclusion, compassion, and community well-being through shared meals, performances, and festive activities. The initiative strengthened support for underprivileged children while nurturing meaningful community bonds during the holy month of Ramadan. Student involvement in organising and delivering the programme also provided experiential learning in teamwork, leadership, and community engagement.

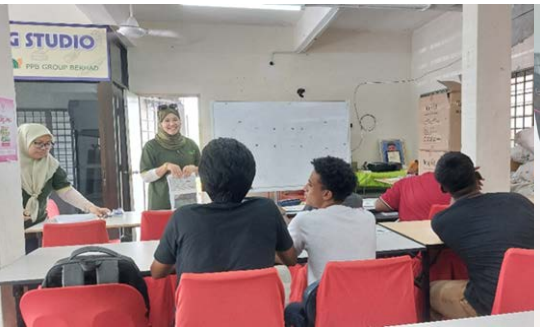
15. HOPE Programme

HOPE which is an acronym for Harmoni Opportunities for Progress and Empowerment was carried out in collaboration with Perak Women for Women Society (PWW), Kawasan Rukun Tetangga (KRT) Flat Harmoni. The target participants were the residents of Flat Harmoni. Three activities were carried out with the residents from different age groups:

I. SPM Power Prep (Aug–Oct 2025) – Academic support for SPM students

II. WomeNeur Programme (Nov 2025) – Entrepreneurship & self-development for women

III. School Holiday Programme (Dec 2025) – Holistic activities for children




16. Community-Based Health and Wellness Initiative

The Community-Based Health and Wellness Initiative was led by the Faculty of Medicine and implemented as a six-series programme targeting residents of Flat Harmoni. Conducted in collaboration with Klinik Kesihatan Buntong and Perak Women for Women Society, the initiative aimed to promote holistic health and preventive care within the community.

The programme was carried out from April 2025 to February 2026 and comprised six sequential activities: (1) Health Screening and Orientation, (2) Nutrition and Healthy Eating Workshop, (3) Physical Activity and Exercise Session, (4) Stress Management and Mental Wellness Workshop, (5) Health Literacy and Medication Management, and (6) Community Walk and Health Fair.



17. Financial Literacy Workshop for Undergraduates

The Financial Literacy Workshop for undergraduates was conducted with expert contributions from professionals representing AIA and Public Bank. The workshop aimed to strengthen students' understanding of personal financial management, including budgeting, savings, insurance, and basic investment principles. It also sought to bridge academic learning with industry practice through direct engagement with financial professionals, providing students with exposure to real-world financial decision-making. Additionally, the programme promoted responsible financial behaviour and long-term financial well-being as students prepare for future employment and independent financial responsibility.

18. QIU Joins Forces with Animal Heroes, PapanSouls and Noah's Ark Ipoh

This collaboration, named the Pawsitive Partnership, brings fresh hope to the city's stray cats and dogs. As at Nov 2025, a total of 74 students volunteered for PapanSouls, contributing a total of 525 hours throughout the year, with an average of 7.10 hours per person.

19. Collaboration with Ray of Hope

Ray of Hope is a non-profit centre set up with its main objective to give dignity and hope to people with learning difficulties and their families. There were two events organized by the Faculty of Business Administration which are:

I. Soto Lamongan Food Charity Tasting

A charity event to feature Soto Lamongan, an authentic Indonesian dish to the community of Ipoh. Revenue generated from the fund raising was donated to Ray Of Hope to empower individuals with learning disabilities.

II. Family Day- Bowling 2025

A family day between FBM (QIU) and Ray of Hope to promote fun activity via bowling. It aims to promote inclusion, cultivate hobby and healthy lifestyle.

20. Soup Kitchen

QIU staff were also involved in providing meals for the homeless and poor. A total of 1,800 hot meals were served as part of the Soup Kitchen Initiative.



21. Blood Donation Drive

Besides all these activities, QIU staff were also involved in blood donation campaigns. The campaigns were conducted in collaboration with Blood Transfusion Department, HRPB, AEON Kinta City and Mydin Meru. In the 13 campaigns conducted, a total of 587 bags of blood was collected.


22. Sustainability Policy on Green Events

The Operations Cluster helped develop a Sustainability Policy on Green Events to minimise the environmental impact of campus-based activities. The policy promotes zero-waste practices for food and beverages, prohibits single-use plastics, encourages paperless event management, and supports the recycling of solid waste. A Green e-Book outlining these guidelines has been completed, with official launch and campus-wide implementation pending.

Besides all this activities and initiatives, Quest International University has strengthened its collaborative ecosystem through the signing of 28 Memoranda of Understanding and Memoranda of Agreement with local partners and 65 with international institutions across diverse areas of academic, research, and professional collaboration. These partnerships enhance knowledge exchange, capacity building, and joint initiatives that address shared societal challenges. By fostering cross-sectoral and cross-border collaboration, the University advances inclusive education, research innovation, and sustainable development outcomes, reinforcing its commitment to collective action in support of long-term global and community impact.

RESEARCH CLUSTER ACTIVITIES (2025)

Research activities are classified under the **Research Cluster** where the primary intent is inquiry, evidence generation, or solution development addressing SDG-related issues.

NO.	STAFF NAME	PROJECT TITLE	RESEARCH AREA	SUSTAINABLE DEVELOPMENT GOALS - SDGs	IMPACT TO THE SDG	BRIEF DESCRIPTION OF THE PROJECT
1	ABDUL LATIF BIN SALLEH (DR)	Application of Nine-Type Personality in Corporate Human Resource Management	Human Resource Management	SDG 8: Decent Work and Economic Growth	Potentially contributes to better work practices	To study the influence of personality types on human resource development
2	ABDUL LATIF BIN SALLEH (DR)	Gender Disparities in Faculty Career Development: Exploring Cultural, Institutional and Organizational Factors	Human Resource Management	SDG 5: Gender Equality	Potentially contributes to gender equality	To study the relationship between gender disparity and career development
3	ABDUL RAHEEM BIN MOHAMAD YUSOF (DR)	A Comparative Study of the Impact of Globalization on the Development of Mauritius and Singapore	Global Economy and Business	SDG 4: Quality Education SDG10: Reduced Inequalities	Contribute to the field of knowledge and understanding economic growth.	To study the impact of globalization on the economies of Mauritius and Singapore using modified human development index that take into consideration five factors: Health & Longevity, Education, Income, Income inequality and quality of life.
4	ABDUL RAHEEM BIN MOHAMAD YUSOF (DR)	An Empirical Study of New Media Marketing, Customer Trust and Purchase Intention in China Online Stores	Online marketing	SDG 4: Quality Education	Contribute to enhancing knowledge in the field of E-marketing	To study how online stores uses new media marketing channels through understanding customers' trust and their intention to purchase in Hei Long Jiang, China.

5	ABDUL RAHEEM BIN MOHAMAD YUSOF (DR)	Understanding Buyer's Decision on Coffee Products in Malaysia	Retail Business	SDG 4: Quality Education	Contribute to enhancing knowledge in the field retail business.	To study how buyers make decision on coffee brands.
6	ABDUL RAHEEM BIN MOHAMAD YUSOF (DR)	Strategic Corporate Social Responsibility: Balancing Profitability and Share Value Impact – A study of selected Hong Kong Listed Companies	Corporate social responsibility and profitability	SDG 4: Quality Education	Contribute to enhancing knowledge on relationships between CSR and profitability.	To study how CSR impacts profitability.
7	ABDUL RAHEEM BIN MOHAMAD YUSOF (DR)	Analysing The Impact of Omnichannel Marketing Integration in Digital Marketing Communications: A Study of its Effectiveness in Influencing Consumer Purchase Behaviours	Marketing communication	SDG 4: Quality Education	To enhance knowledge on MARCOM	To study MARCOM and how it influence buyer decision making.
8	ABDUL RAHEEM BIN MOHAMAD YUSOF (DR)	Optimizing workforce strategies in Malaysia banking sector : recruiting, retention and re-skilling challenges	Human Resource Management	SDG 4: Quality Education	Enhance HRM knowledge	This project aims to analyze and enhance workforce management strategies within Malaysia's banking sector.
9	ALLAN MATHEWS (DATUK DR)	Effect of Environmental Temperature On The Quality Of Non-Cold Chain Pharmaceutical Products Supplied From Peninsular Malaysia To Sabah	Health Science	SDG 3: Good Health and Well-Being	Improvement of quality of medicine and controlled supply chain for safety of medicines and hence quality treatment	This project involves collection of selected antidiabetic and cardio vascular treating drugs from Sabah and Peninsular Malaysia. Collected samples of drugs will be analysed using BP methods for content % and presence of impurities as per pharmacopeial standards

10	ALLAN MATHEWS (DATUK DR)	A Study on Current Perception and Expectations of Patients on Specialist Outpatient Ambulatory Pharmacist Services in Hospital Raja Permaisuri Bainun (HRPB) Ipoh	Health Science	SDG 3: Good Health and Well-Being	Quality improvement of pharmacy services to patients	This project involves Perception and Expectations of Patients on Specialist Outpatient Ambulatory Pharmacist Services in Hospital Raja Permaisuri Bainun (HRPB) Ipoh. This will help to improve and fix required services from pharmacy department to patients in healthcare system.
11	ALLAN MATHEWS (DATUK DR)	Impact of medical ward pharmacist transcribing on prescription processing time and transcribing errors in a Malaysian tertiary hospital: An Action Research	Health Science	SDG 3: Good Health and Well-Being	Quality improvement of pharmacy services to patients	This study involves medical ward pharmacist transcribing on prescription processing time and transcribing errors in a Malaysian tertiary hospital. This will help to improve and fix required services from pharmacy department to patients in healthcare system.
12	ALLAN MATHEWS (DATUK DR)	Role and impact of community pharmacist provision of pharmaceutical care in the management of gout at Cameron Highlands Malaysia	Pharmacy Practice	SDG 3: Good Health and Well-Being	Improvement in the outcome of gout treatment	The study evaluate the outcome of gout management with provision of pharmaceutical care and systematic approach in monitoring and adjusting pharmaceutical intervention based on the patient needs and response and the how education can help the patient in adhering to

						the recommended treatment by community pharmacy
13	AMAN SHAH BIN ABDUL MAJID (DR)	Medicine Advertisement: Content Analysis and Consumer Knowledge, Attitude and Practice	Pharmacoepidemiology	SDG 3: Good Health and Well-Being	Regulatory control of medicine and cosmetic advertising which impacts customer/patient safety and wellbeing	A survey based study evaluates the impact of non-compliant advertising guidelines on consumer behaviour. It further evaluates the basis underlying perceptions and acceptance towards regulatory non-complaint medicine advertising.
14	ANBUSELVAN SANGODIAH (DR)	Dual Domain Clustering Approach in Exam questions based on Bloom’s Taxonomy	Artificial Intelligence (machine learning)	SDG 4: Quality Education	Since the project involves exam questions and Bloom’s Taxonomy, it directly relates to improving the quality of education by enhancing assessment methods. A clustering approach could lead to better evaluation of students' understanding and cognitive skills, supporting inclusive and equitable education.	Dual Domain Clustering Approach in Exam Questions Based on Bloom’s Taxonomy" likely involves the development of a method for categorizing and analyzing exam questions using a dual domain clustering technique, with Bloom’s Taxonomy as the framework.
15	ASHOK GNANASEKARAN (DR)	Development of wound healing medicine from Passiflora plant	Wound healing	SDG 3: Good Health and Well-Being	Improve the quality of life	The study explores the antimicrobial and wound healing properties of Adenia cordifolia stem using liquid-liquid extraction to prepare ACE fractions with solvents like chloroform, hexane, petroleum ether, and butanol. The combination of

						chloroform and hexane fractions showed enhanced antimicrobial activity against skin infection-causing microorganisms. Chloroform fractions exhibited the highest antioxidant activity in DPPH and ABTS assays. Anti-inflammatory analysis also confirmed the chloroform fraction's effectiveness. Collagen synthesis and wound closure were significantly higher in chloroform and hexane fractions. Angiogenic potential was confirmed in chorioallantoic membrane and rat aortic ring assays. Phytochemicals in these fractions may contribute to their healing effects. Thus, Adenia cordifolia shows promise for wound healing and antimicrobial applications, warranting further compound analysis.
16	ASHOK GNANASEKARAN (DR)	Molecular characterization of Cryptococcus neoformans isolated	Health Science	SDG 3: Good Health and Well-Being	Highlighting the public health risks of Cryptococcus neoformans from pigeon droppings and emphasizing the need for effective	Evaluating the environmental factors and antifungal activities of C. neoformans strains from pigeon droppings

		from pigeon droppings in Ipoh, Perak, Malaysia			monitoring and antifungal treatment to protect vulnerable populations.	provides critical insights into their role in public health, especially in relation to immunocompromised populations.
17	ASHOK GNANASEKARAN (DR)	Polyherbal Formulation of Hydrangea arborescens, Berberis vulgaris and Hemidesmus indicus in Treatment of Urolithiasis	Health Science	SDG 3: Good Health and Well-Being	Improve the quality of life by promoting affordable, accessible, and holistic health care options. Reduces dependency on synthetic drugs and invasive procedures.	The polyherbal formulation combining Hydrangea arborescens, Berberis vulgaris, and Hemidesmus indicus offers a natural and synergistic approach to managing urolithiasis (kidney stone formation). These medicinal plants are traditionally known for their diuretic, anti-inflammatory, antioxidant, and lithotriptic (stone-dissolving) properties.
18	HANIZAN SHAKER BIN HUSSAIN (DR)	Digital Medical Images Classification in Steganography Using Machine Learning	Artificial Intelligence (machine learning)	SDG 3: Good Health and Well-Being	The application of machine learning and steganography (a technique for hiding information) is an innovative approach that could transform the way sensitive medical data is stored, shared, and processed. This aligns with SDG 9, which encourages the adoption of modern technologies in industries, including healthcare.	Digital Medical Images Classification in Steganography Using Machine Learning" combines three important fields: medical imaging, steganography, and machine learning. In this project, steganography could be applied to medical images to embed confidential information (like patient records or diagnostic

						reports) within the image itself. The hidden data is imperceptible to the naked eye, making it secure during transmission across networks. The combination of medical image classification and steganography ensures both efficient and secure management of medical data.
19	HANIZAN SHAKER BIN HUSSAIN (DR)	Dual Domain Clustering Approach in Exam Questions Based on Bloom Taxonomy	Artificial Intelligence	SDG 3: Good Health and Well-Being	Data mining plays a key role in advancing SDG 3 by contributing to disease prevention, personalized healthcare, medical research, healthcare system optimization, and the development of informed health policies	Data mining is the process of using machine learning, artificial intelligence, and statistics to find patterns, gain insights, and extract important data and knowledge from huge data sets
20	HANIZAN SHAKER BIN HUSSAIN (DR)	Artificial Intelligence Applied to Malware Analysis and Detection in a Static & Dynamic Environment	Cybersecurity	SDG 3: Good Health and Well-Being	AI-based malware detection techniques can indirectly contribute to SDG 3 by enhancing the security of healthcare systems, preventing cyberattacks, ensuring the integrity of health data, and supporting public health research and digital health solutions.	A comprehensive review of existing malware detection techniques, including signature-based, heuristic, and AI-based approaches, will be conducted. Peer-reviewed journals, conference proceedings, and cybersecurity reports will be examined to establish foundational knowledge.

21	HEMA A/P RAMACHANDRAN (DR)	Development of polyhydroxyalkanoate-adenia cordifolia composites for diabetic wound healing	Industrial Biotechnology	SDG 3: Good Health and Well-Being	This research supports SDG 3 by contributing to the development of more effective and sustainable wound care solutions, particularly for diabetic patients. By utilizing biodegradable and biocompatible materials like P(3HB-co-4HB) and natural plant extracts, the study promotes sustainable material usage in medical applications. This aligns with SDG 12 by encouraging eco-friendly production methods and reducing dependency on synthetic, non-degradable polymers in wound dressing products.	This research aims to make innovations in wound dressing by incorporating active compounds from Adenia cordifolia stem crude extract in PHA copolymer P(3HB-co-4HB). This innovation is desirable because it is biodegradable and biocompatible to human skin. The desired compounds shall be released to diabetic wounds at a controlled rate and volume. The present study may be a groundwork of recent development of medicinal plants in wound dressing along with future aspects.
22	JEFFREY YEE KHONG LOONG (DR)	The path of successful entrepreneurial cases-cross-industry comparative study	Business Administration	SDG 8: Decent Work and Economic Growth	Enhance sustainable economic development of nation	Examining successful entrepreneurship models across industries/ sectors.
23	JEFFREY YEE KHONG LOONG (DR)	Annual equity incentive plan for an education enterprise	Organisational theory and behaviour	SDG 8: Decent Work and Economic Growth	Enhance sustainable businesses	This project involves the design and implementation of an Annual Equity Incentive Plan aimed at attracting, retaining, and motivating top talent within an education enterprise.

24	BHUPINDER KAUR (DR)	Effect of Plectranthus amboinicus on Starch Digestibility and Antioxidant Properties in Cooked Rice	Food Science & Nutrition	SDG 3: Good Health and Well-Being	The project may improve public health by enhancing the nutritional and safety properties of a staple food, supporting better glycaemic control, antioxidant protection, and reduced risk of food-borne illnesses.	This project investigates the functional potential of Plectranthus amboinicus–infused white rice as a value-added staple food by examining how varying infusion concentrations influence starch digestibility and estimated glycaemic index. It further evaluates the antioxidant capacity of the infused rice using DPPH, ABTS, and FRAP assays, as well as its antibacterial activity against selected common food-borne pathogens, to assess its potential health and food-safety benefits.
25	HEMALATHA MURUGIAH (MS)	Development of antimicrobial Silver nanoparticles coatings on cotton fabrics.	Nanotechnology	SDG 3: Good Health and Well-Being	Reduce microbial load on frequently used fabrics by minimizing the development of antimicrobial drug-resistant bacteria	This project focuses on the development of antimicrobial silver nanoparticle (AgNP) coatings on cotton fabrics to inhibit the growth of microorganisms. Silver nanoparticles will be synthesized using Streptomyces sp. PBD311B and applied onto cotton fabrics using layer-by-layer techniques, followed by characterization of their

						antimicrobial effectiveness, durability, and safety. The treated fabrics are intended for potential use in healthcare and daily applications, such as medical textiles, masks, and clothing, to reduce microbial transmission and improve hygiene
26	HEMA RAMACHANDRAH (DR)	Formulation and Evaluation of P(3HB-co-3HHx)/Adenia cordifolia Transdermal Patches				
27	HEMA RAMACHANDRAH (DR)	Phytochemical Screening, Antioxidant and Antimicrobial Capacities of Superheated Steam (SHS) Dry Leaves Extract of Alternanthera sessilis Red				
28	KAMARIAH BINTI HASAN (DR)	Elucidation of caspase genes expression in colon cancer cells treated with *Annona muricata* endophyte extract	Molecular Biology	SDG 3: Good Health and Well-Being	Provide alternative treatments for cancer to prolong life spans	Soursop is a well known medicinal plant used as alternative treatment for many diseases including cancer. This research focuses on bacteria isolated from soursop that may produce compounds similar to soursop and possesses anti-cancer properties that might kill colon cancer cells.
29	KAMARIAH BINTI HASAN (DR)	Molecular Identification & Antibacterial Activities of Fungal Endophytes	Microbiology	SDG 3: Good Health and Well-Being	Provide alternatives to antibiotics and help solve antimicrobial resistance	Brazilian mint is traditionally used to treat many health issues

		derived from *Plectranthus amboinicus*				including headache, stomach pain and flu. Fungi residing in the plant may also produce useful compound that might prevent the growth of pathogenic bacteria. This research focus on the ability of the fungal extracts in killing pathogenic bacteria and can be a potential candidate as an antimicrobial agent.
30	KOH CAI PING (DR.)	Establishment of In Vitro Cell-Based Model to Study Il-23/Il-23r Signalling Pathway In Enhancing T Cell Proliferation	Immunology	SDG 3: Good Health and Well-Being	Improve healthcare	To reveal IL-23 mediated JAK/STAT Signalling in enhancing T cell survival.
31	KOH CAI PING (DR)	Establishment of vitro cell-based model to study IL-23/IL-23R signalling pathway in enhancing T cell proliferation	Immunology	SDG 3: Good Health and Well-Being	Improve healthcare	To reveal IL-23 mediated JAK/STAT Signalling in enhancing T cell survival.
32	KOH CAI PING (DR)	To Assess the Synergistic Anti-Cancer Effects of Policosanol and Chemotherapy in Colorectal Cancer	Anti-cancer	SDG 3: Good Health and Well-Being	Improve healthcare	To reveal synergistic cytotoxicity effect of polycosanols with conventional chemotherapy drugs on cancer cells.
33	KOH CAI PING (DR)	Explore the Anti-tumor Mechanisms of IL-23 Primed T Cells Using Molecular and Functional Assays	Immunology	SDG 3: Good Health and Well-Being	Improve healthcare	To examine the cytotoxicity effect of IL-23 primed T cell on cancer cells.

34	KOMALA A/P THIRUMALAI (DR)	Acute toxicity evaluation of the ethanolic extract of Hanguana malayana (Jack) Merr rhizomes in rats	Biochemistry, Arthritis	SDG 3: Good Health and Well-Being	According to SGD3 well-being, many plants are used either directly as medicine or form the basis of derived medicines. Therefore, the plant of interest in this study has potential medicinal usage in line with SDG3 and is a possible commodity in line with KEGA7.	To assess the toxicity level of ethanolic extracts
35	KOMALA A/P THIRUMALAI (DR)	Deciphering in vivo anti-arthritic potential of Hanguana malayana (Jack) Merr ethanolic extracts	Biochemistry, Arthritis	SDG 3: Good Health and Well-Being	According to SGD3 well-being, many plants are used either directly as medicine or form the basis of derived medicines. Therefore, the plant of interest in this study has potential medicinal usage in line with SDG3 and is a possible commodity in line with KEGA7.	To evaluate the in-vitro anti-arthritic potentials and antioxidant properties of ethanolic extracts of H. malayana
36	KOMALA A/P THIRUMALAI (DR)	Deciphering In-Vivo Anti-Arthritic Potential of Hanguana Malayana (Jack) Merr Ethanolic Extracts	Biochemistry, Arthritis	SDG 3: Good Health and Well-Being	According to SGD3 well-being, many plants are used either directly as medicine or form the basis of derived medicines. Therefore, the plant of interest in this study has potential medicinal usage in line with SDG3 and is a possible commodity in line with KEGA7.	To evaluate the in-vitro anti-arthritic potentials and antioxidant properties of ethanolic extracts of H. malayana
37	LEE CHEE LEONG (DR)	Enhanced Artificial Bees Colony (ABC) Algorithm in Conventional and Islamic Portfolio Optimization	Mathematical optimisation	SDG 9: Industry, Innovation and Infrastructure	To foster innovation on the mathematical method for sustainable industrialisation	The aim of this research is to develop a more robust algorithm that combines the global search strengths of the Artificial Bee Colony (ABC) algorithm with the local refinement efficiency of the

						Steepest Descent method.
38	LEE CHEE LEONG (DR)	Research on the improvement of shared warehouse Information Management framework based on Big data and blockchain	Information System	SDG 9: Industry, Innovation and Infrastructure	To foster innovation on the management system for sustainable industrialisation	The aim of this research is to develop a robust warehouse management information system for the use in the industry.
39	LEE CHEE LEONG (DR)	Performance comparison between fixed structure and single axis tracking for large-scale photovoltaic plant based on satellite data	Photonics	SDG 7: Affordable and Clean Energy	To ensure access to affordable, reliable, sustainable and modern energy for all.	The aim of the project is to compare the performance of fixed and single-axis structures of the photovoltaic plant based on the satellite data.
40	LEE CHEE LEONG (DR)	Comprehensive studies on large-scale photovoltaic power plant in Malaysia based on the satellite data: the potential, limitations and economic impact	Photonics	SDG 7: Affordable and Clean Energy	To ensure access to affordable, reliable, sustainable and modern energy for all.	The aim of the project is to study the potential, economic impact, limitation of the power plant in Malaysia.
41	KAMARIAH BINTI HASAN (DR)	Isolation and Characterization of Halotolerant Plant Growth-Promoting Bacteria from Mangrove Soil for Enhancing Salt Stress Tolerance in Oryza sativa	Plant Microbiology	SDG 2: Zero Hunger SDG12: Responsible Consumption and Production SDG 13: Climate Change SDG 15: Life on Land	This research contributes to SDG 2 (Zero Hunger) by improving rice productivity under saline stress through the use of halotolerant PGPB. By reducing reliance on chemical fertilizers, it supports SDG 12 (Responsible Consumption and Production). The development of climate-resilient agricultural practices aligns with SDG 13 (Climate Action), while the use of beneficial microbes from mangrove soils promotes biodiversity conservation and	This project investigates halotolerant plant growth-promoting bacteria isolated from mangrove soils and evaluates their ability to enhance salt stress tolerance in rice (Oryza sativa). By improving plant growth under saline conditions, the study supports sustainable, climate-resilient rice production and reduces reliance on chemical inputs.

					soil health in line with SDG 15 (Life on Land).	
42	LEE SIN LI (DR)	Critical evaluation of Vetiver Grass (Vetiveria zizanioides) on enhanced phytoremediation in highly contaminated As and Cr soil conditions in Malaysia.	Bioremediation	SDG 15: Life on Land	To remediate the polluted soil	This project aims to remediate the heavy metals contaminated soil using phytoremediation treatment
43	LOKE SIEW PHAIK (DR)	Gen-Z Personal Brand Equity and Social Capital for Digital Entrepreneurship In China	Entrepreneurship	SDG 8: Decent Work and Economic Growth	Promotes entrepreneurship in Malaysia by fostering sustainable economic growth, encouraging innovation, and creating decent job opportunities, which are vital for empowering local entrepreneurs and driving the nation's economic development.	To investigate personal brand equity and other related factors in influencing digital entrepreneurship in China
44	LOKE SIEW PHAIK (DR)	The Future Generation of Malaysia: Gen Z Entrepreneur Business Strategies	Entrepreneurship	SDG 8: Decent Work and Economic Growth	Promotes entrepreneurship in Malaysia by fostering sustainable economic growth, encouraging innovation, and creating decent job opportunities, which are vital for empowering local entrepreneurs and driving the nation's economic development.	To investigate Malaysia's digital entrepreneurs
45	LOKE SIEW PHAIK (DR)	Understanding the core competitiveness of Chinese express logistics enterprises: Dual Perspectives of Customers and Enterprises	Logistics management	SDG 9: Industry, Innovation and Infrastructure	Supporting express logistics industry in China by driving sustainable economic growth, improving the speed and efficiency of delivery networks, and creating decent jobs, which	To examine different perspectives of customers and enterprises on China Express Logistics Competitive Advantage

					strengthens both domestic and international trade	
46	LOKE SIEW PHAIK (DR)	Adoption of Martech in SMEs for Business Success	Strategic management	SDG 9: Industry, Innovation and Infrastructure	Promote competitiveness and viability of SMEs	To examine the adoption of Martech in the SMEs including barriers for pursuing such strategies
47	LOKE SIEW PHAIK (DR)	The impact of Skill Training on the career Sustainability of Ride-Hailing Drivers: Based on Platform Dispatching Mechanisms	Entrepreneurship & HRM	SDG 8: Decent Work and Economic Growth	Enhance career sustainability of gig workers through skills training	To identify the skill-gaps of ride-hailing drivers so that they are able to perform and sustain in their job
48	ABDULLAH KHAN (DR)	Development and Characterization of Ginkgo Biloba Phytosomal Gel	Pharmaceutical Technology (Health Sciences)	SDG 3: Good Health and Well-Being	A Ginkgo biloba phytosomal gel improves bioavailability and patient-friendly delivery of a neuroprotective herbal medicine, advancing SDG 3 by supporting innovative, accessible treatments for cognitive and vascular health	This project focuses on formulating and evaluating a Ginkgo biloba phytosomal gel to enhance topical delivery, stability, and therapeutic effectiveness of the herbal extract.
49	ABDULLAH KHAN (DR)	Development and Characterization of Novel Ginkgo Biloba Ethosomal Gel	Pharmaceutical Technology (Health Sciences))	SDG 3: Good Health and Well-Being	The novel Ginkgo biloba ethosomal gel enhances therapeutic efficacy and patient compliance, contributing to SDG 3 by promoting innovative, accessible solutions for better health and well-being.	This project develops and characterizes a Ginkgo biloba ethosomal gel to improve topical delivery, stability, and bioavailability of the herbal extract.
50	ABDULLAH KHAN (DR)	Development and characterization of Ocimum basilicum extract incorporated ethosomal gel for anti-inflammatory effects.	Pharmaceutical Technology (Health Sciences)	SDG 3: Good Health and Well-Being	The Ocimum basilicum extract ethosomal gel provides an innovative anti-inflammatory therapy, supporting SDG 3 by promoting effective, accessible solutions for	This project develops and characterizes an ethosomal gel incorporating Ocimum basilicum extract to enhance topical delivery and anti-inflammatory efficacy.

					improved health and well-being.	
51	LOOI SHU YING	Evaluation and Comparative Analysis of Antioxidant Properties and Drug Release Profile of Hydrogel Creams and Conventional Cream Incorporating Punicalagin and Carbopol 934P	Health Science	SDG 3: Good Health and Well-Being	Promote safer and more effective and sustainable drug delivery systems	Compare and evaluate of antioxidant properties and controlled release profiles in hydrogel versus conventional creams incorporating punicalagin and Carbopol 934P.
52	LOOI SHU YING	Formulation And Evaluation Of Punicalagin And Linoleic Acid Cream	Health Science	SDG 3: Good Health and Well-Being	Develop a safer, antioxidant-rich topical therapies that enhance skin health and drug delivery efficiency	Developing a plant-based topical cream combining punicalagin, a potent antioxidant, with linoleic acid, an essential fatty acid, to enhance skin health and drug delivery efficiency,
53	LOOI SHU YING	Formulation and Evaluation of Morus alba Ethosomal Gel.	Health Science	SDG 3: Good Health and Well-Being	Development of sustainable pharmaceutical delivery systems that integrate natural resources into modern healthcare solutions.	Formulation and evaluation of plant-based Morus alba ethosomal gel advances by harnessing natural bioactives for safer, more effective skin therapies
54	MAHIBUB MAHAMADSA KANAKAL (DR)	Product Development of Senna Alata Leaf Extracts	Health Science	SDG 3: Good Health and Well-Being	Sustainable healthcare with natural product development	Antimicrobial topical preparations for skin applications
55	MAHIBUB MAHAMADSA KANAKAL (DR)	Development of a Topical In Situ Film-Forming Spray Solution of Senna alata Leaf Extract and Assessment of Its In Vitro Anti-Inflammatory Activity	Health Science	SDG 3: Good Health and Well-Being	Sustainable healthcare with natural product development	Antimicrobial topical preparations for skin applications

56	MAHIBUB MAHAMADSA KANAKAL (DR)	Design and Characterization of a Senna Alata-Based In-Situ Gel for Scalp Inflammation Management	Health Science	SDG 3: Good Health and Well-Being	Sustainable healthcare with natural product development	Antimicrobial topical preparations for skin applications
57	MAHIBUB MAHAMADSA KANAKAL (DR)	Ethiosome Topical Preparation and Evaluation of Senna Alalta Leaf Ethanol Extract.	Health Science	SDG 3: Good Health and Well-Being	Sustainable healthcare with natural product development	Antimicrobial topical preparations for skin applications
58	MAHIBUB MAHAMADSA KANAKAL (DR)	Formulation and Evaluation of Suppository of Sennosides	Health Science	SDG 3: Good Health and Well-Being	Sustainable healthcare with natural product development	Antimicrobial preparations for localised application for rectum infection
59	MAHIBUB MAHAMADSA KANAKAL (DR)	Study On Herbal Products Role and Treatment Models for Oral Cancer Management	Health Science	SDG 3: Good Health and Well-Being	Improvement of cancer treatment	This study collected data from health care organizations on use of various treatment models and their success rate is compared. Also involves data of treatment models and their impact in combination with herbal treatments for oral cancer and their respective success rate analysed to demonstrate impactful treatment models.
60	MAHIBUB MAHAMADSA KANAKAL (DR)	Research & Development on Skincare, Personal care and Healthcare Solutions	Health Science	SDG 3: Good Health and Well-Being	Improve skin health care treatment with innovative formulation for anti-aging and antimicrobial effect.	This research involves formulation multi compound extracts from selected antioxidant and anti-aging efficiency will be formulated into topical preparations and their ex vivo efficiency

						will be studied using suitable models.
61	MAISARA SHAHROM BINTI RAJA SHAHROM (DR)	Elucidation on the dissolution behaviour between chitosan-ionic liquids complex supported on SiO2 for heavy metal extractions	Applied science	SDG 6: Clean Water and Sanitation	Clean Water	Heavy metal extraction using chitosan dissolves in ionic liquids supported with silica
62	NG KWOK WEN (DR)	Development of a sensitive, rapid and reproducible method in simultaneous determination of aflatoxin B1, ochratoxin A and zearalenone in Ziziphus jujuba, Cordyceps militaris and Citri reticulatae pericarpium in Malaysia using RP-HPLC-DAD method	Pharmaceutical Sciences	SDG 3: Good Health and Well-Being SDG12: Sustainable Consumption and Production	This project supports SDG 3 and 12 by ensuring safe use of herbal products through rapid mycotoxin detection.	This project aims to develop a sensitive, rapid, and reproducible reverse-phase high-performance liquid chromatography with diode-array detection (RP-HPLC-DAD) method for the simultaneous determination of aflatoxin B1, ochratoxin A, and zearalenone in traditional medicinal products commonly used in Malaysia.
63	NG KWOK WEN (DR)	Development of Rapid, Sensitive and Reproducible Method with RP-HPLC-DAD for Simultaneous Determination of Aflatoxin B1, Ochratoxin A and Zearalenone in Dendranthema grandiflora, Hordeum vulgare and Lycium barbarum in Malaysia	Pharmaceutical Sciences	SDG 3: Good Health and Well-Being SDG12: Sustainable Consumption and Production	This project supports SDG 3 and 12 by ensuring safe use of herbal products through rapid mycotoxin detection.	This project aims to develop a sensitive, rapid, and reproducible reverse-phase high-performance liquid chromatography with diode-array detection (RP-HPLC-DAD) method for the simultaneous determination of aflatoxin B1, ochratoxin A, and zearalenone in traditional medicinal

						products commonly used in Malaysia.
64	NG YEN PING (DR)	A Randomised Clinical Trial, Open-Label Single Centre Study to Evaluate the Efficacy and Safety of Pentoxifylline (PTX) for Renoprotection in Diabetic Kidney Disease (DKD)	Health Science	SDG 3: Good Health and Well-Being	Improve healthcare	This single-centre, open-label randomised clinical trial will evaluate whether pentoxifylline (PTX), when added to standard care, can slow kidney damage in patients with diabetic kidney disease (DKD). Participants will be randomly assigned to receive PTX plus usual treatment or usual treatment alone, and kidney outcomes and side effects will be monitored to assess both efficacy and safety.
65	NG YEN PING (DR)	Evaluating effects of glucosamine and type 2 collagen on HbAIC	Health Science	SDG 3: Good Health and Well-Being	Improve healthcare	This study will investigate whether glucosamine affects fasting blood sugar levels or increases the risk of worsening glucose control or new-onset diabetes. Participants will be randomly assigned to receive either glucosamine or type II collagen (control) and will be followed over the study period with regular fasting blood sugar (FBS) monitoring. Side effects and safety outcomes will also be

						recorded. The aim is to provide clear evidence on the glucose-related safety of glucosamine, a commonly used supplement.
66	NURUL DAYANA BINTI MAHIZIR (DR)	Unravelling Placental Leptin Signalling in Valproic Acid (VPA)-Induced Autism	Neurodevelopment	SDG 3: Good Health and Well-Being	Provide valuable insights into the involvement of the placenta in neurodevelopmental disorders and contribute to the identification of novel biomarkers or therapeutic targets for autism spectrum disorder (ASD).	This study investigates the role of placental leptin signalling in autism spectrum disorder (ASD). It aims to understand how leptin, a hormone involved in regulating energy balance and metabolism, affects fetal brain development and the potential mechanisms linking VPA exposure to the development of ASD.
67	NURUL DAYANA BINTI MAHIZIR (DR)	Molecular Profiling of STAT and Autophagy-Related Genes in Colon Cancer Cells in Response to Chloroquine and Fluorouracil	Cancer Pharmacology	SDG 3: Good Health and Well-Being	Contribute to the development of more effective cancer treatment strategies to overcome chemotherapy resistance and improve survival outcomes for colorectal cancer patients	This study investigates the molecular effects of combining chloroquine with 5-fluorouracil on colorectal cancer cells, focusing on STAT3 signalling and autophagy-related genes. Human HCC2998 colon cancer cells will be treated with single and combination therapies, followed by analysis of cell viability, gene expression (qPCR), and protein levels (Western blot). The findings aim to

						determine whether CQ enhances the effectiveness of 5-FU by inhibiting autophagy and reducing STAT3 activation, thereby providing insight into strategies to overcome chemotherapy resistance.
68	NURUL DAYANA BINTI MAHIZIR (DR)	Investigating VPA-Induced Inflammatory Mechanisms in Fetal Neurodevelopment	Neurodevelopment	SDG 3: Good Health and Well-Being	Provide valuable insights into the involvement of the placenta in neurodevelopmental disorders and contribute to the identification of novel biomarkers or therapeutic targets for autism spectrum disorder (ASD).	This study investigates the role of inflammatory pathways in autism spectrum disorder (ASD). It aims to understand how inflammatory cytokines involved in regulating energy balance and metabolism, affects fetal brain development and the potential mechanisms linking VPA exposure to the development of ASD.
69	ONG KHANG WEI (DR)	Confirming Production of L-asparaginase in An Endophytic Staphylococcus sp.	Cancer Pharmacology	SDG 3: Good Health and Well-Being	Alternative source of asparaginase which might have better anticancer activities	This study addresses the non-availability of safe and superior therapeutic sources by focusing on an endophytic bacterial strain, Staphylococcus sp. strain SB3, whose observed anticancer activity requires mechanistic validation.
70	ONG KHANG WEI (DR)	Immunomodulatory effects of chloroquine on 5-flourouracil treated	Cancer Pharmacology	SDG 3: Good Health and Well-Being	Potential combination therapeutic approach for colorectal cancer	The limitation of 5-FU might contribute to immune evasion of

		HCC2998 colon cancer cells				cancer cells due to its chemoresistance and adverse effects. The anti-inflammatory properties of chloroquine are capable of regulating PD-L1 expression in combined treatment with 5-FU.
71	POH WOON CHENG (DR)	Antifungal activity of Plectranthus amboinicus against candidiasis: in vitro and in vivo studies	Candidiasis, antifungal, natural product	SDG 3: Good Health and Well-Being	Potential antifungal drugs against candidiasis	In this study, we aim to investigate the antifungal activity of P. amboinicus using both in vitro and in vivo methods. The antifungal activity of the P. amboinicus will be examined via disk diffusion assay, followed by determining the minimal inhibitory concentration (MIC) of P. amboinicus extract using the standard method. For in vivo antifungal study, Candida sp. will be injected into immunosuppressed rats to induce systemic candidiasis. The infected rats will be screened by fungal blood culture test and then divided into control (no treatment), positive (Amphotericin B), and treatment (P. amboinicus) groups.

						The in vivo antifungal effects of P. amboinicus will be examined by measuring the metabolic biomarkers such as blood urea nitrogen (BUN), aspartate aminotransferase (AST), and alanine aminotransferase (ALT) levels will be measured using the standard kits. Lastly, the histopathological examination will be performed to inspect the changes between the treated and the control groups
72	POH WOON CHENG (DR)	Modulatory Effects of Chloroquine on autophagy and apoptosis in Fluorouracil-treated Colon Cancer Cells	cancer Pharmacology	SDG 3: Good Health and Well-Being	Therapeutic approach for colorectal cancer	Colorectal cancer is one of the high-mortality and poor-prognosis cancers worldwide. Various combinations of chemotherapy have been studied, yet the anti-tumor effects are often compromised when the cancer develops chemoresistance. The cytotoxic effects of 5-FU and CQ have been tested on cancer cell lines; however, the mechanism of the synergy effect remains to be elucidated. This study aims to

						investigate the apoptotic and autophagy effects of the combination of 5-FU and CQ on the HCC2998 cell lines through Axin1 regulation.
73	PROF. LEE LAM HONG / LEONG YING MEI	R&D for Business, Customer Service and User Experience Enhancement	Artificial Intelligence, Augmented & Virtual Reality	SDG 9: Industry, Innovation and Infrastructure SDG12: Responsible Consumption and Production	Enhances user experience through intelligent systems, promoting digital transformation.	This project aims to develop and enhance business and customer service experiences through a series of R&D initiatives. It includes AI-driven chatbots, virtual try-on systems, volumetric applications, simulation dashboards, and AR environments. It focuses on leveraging innovative technologies to improve e-commerce operations and user engagement.
74	RAJESPARI A/P KUMAR	Unveiling the Financial Literacy Landscape: Developing an Academics Financial Literacy Index in Malaysia	Financial Literacy	SDG 4: Quality Education	Ensure inclusive and equitable quality financial literacy	Through this study we will be creating an index on Financial Literacy among academics and understand factors that lacking in improving financial literacy among academics.
75	RANJETTA POOBATHY (DR)	Second stage: Commercialisation of Micropropagation of Bentong Ginger (Zingiber officinale Rosc.)	Plant Biotechnology (Plant Tissue Culture)	SDG 2: Zero Hunger	The project addresses food security and income generation among farmers.	Bentong ginger (Zingiber officinale Rosc.), cultivated in Bukit Tinggi, Bentong, is renowned for its aroma and numerous medicinal qualities originating from its cultivation on freshly

						opened forestlands, hence requiring new fertile lands every few years. Crop yields from recycled lands are a fraction of that obtained from new lands. Ginger is conventionally propagated through rhizomes. Breeding is hampered by poor flowering and seed set, slow propagation rates and risks of disease transmittance through infected rhizomes. As such, plant tissue culture using plant growth regulators (PGRs) is considered a viable propagation technique. This research aims to improve Bentong ginger cultivation prospects for local farmers through micropropagation and plant biotechnology.
76	RANJETTA POOBATHY (DR)	Influence of Cholesterol on Callus and Steroid Production in Edible Amaranth (Amaranthus tricolor)	Plant Biotechnology (Plant Tissue Culture)	SDG 2: Zero Hunger	The project addresses food security and income generation among aquaculturists.	Ecdysteroids are a cluster of 500 polar and polyhydroxylated steroidal hormones that influence moulting and metamorphosis in crustaceans and insects. Phytoecdysteroids elicit the same responses as the insect ecdysteroids

						when bound to the insect ecdysone receptors. *Amaranthus tricolor* is a vegetable and ornamental amaranth known for its rich nutrient content and medicinal qualities. The extract of *A. tricolor* is also known as a moulting stimulant due to its phytoecdysteroid content. *In vitro* plant cell cultures are considered as a practical method of producing phytoecdysteroids through the action of plant growth regulators (PGRs) and elicitors. The use of callus and cell cultures allows controlled, consistent, predictable and increased production of targeted compounds. In this study, *in vitro* hypocotyls and leaf explants obtained from surface-sterilised seeds of *A. tricolor* will be subjected to various cholesterol combinations to amplify 20E production. The induced callus will then be subjected to drying and extraction in order

						to quantify the steroid content.
77	SAMIKKANU JABAMONEY A/L ISHAK SAMUEL (DR)	Developing Leadership in Education Framework for Tamil School Headmasters through Exploration of Mahabharata's Leadership Skills	Education	SDG 4: Quality Education	Ensure inclusive and equitable quality in education	Through this study we will be developing a framework on effective leadership in Tamil schools
78	SARAH STEPHENIE A/P JOHN SANDANARAJ	Targeted profiling of azadirachtin and in-silico evaluation of its synergistic antibacterial activity with colistin sulphate against multidrug resistant (MDR) *Pseudomonas aeruginosa*	Health Science	SDG 3: Good Health and Well-Being	Antimicrobial resistance (AMR) poses a major global health threat, particularly with pathogens such as MDR *Pseudomonas aeruginosa*. This project contributes to SDG 3 by exploring novel combination therapies that enhance antibiotic effectiveness against resistant infections, supporting the development of safer and more effective treatment strategies.	This project focuses on the targeted profiling of azadirachtin, a bioactive limonoid extracted from Azadirachta indica (neem), using chromatographic techniques (HPLC). The antibacterial potential of azadirachtin will be evaluated individually and in combination with colistin sulphate against multidrug-resistant (MDR) *Pseudomonas aeruginosa*. *in-silico* analyses (such as molecular docking and interaction studies) will be employed to investigate the molecular basis of synergy between azadirachtin and colistin sulphate against bacterial targets.
79	SARAH STEPHENIE A/P JOHN SANDANARAJ	Evaluation of the environmental factors and antifungal activities of Cryptococcus	Health Science	SDG 3: Good Health and Well-Being	Highlighting the public health risks of Cryptococcus neoformans from pigeon droppings and emphasizing	Evaluating the environmental factors and antifungal activities of C. neoformans strains

		neoformans strains isolated from Pigeon Droppings			the need for effective monitoring and antifungal treatment to protect vulnerable populations.	from pigeon droppings provides critical insights into their role in public health, especially in relation to immunocompromised populations.
80	NG KWOK WEN (DR)	Prototype Development of Accurate Senescence Detection Using YOLOv8 model by Integrating Biochemical and Morphological Signatures	Health Sciences	SDG 3: Good Health and Well-Being SDG 9: Industry, Innovation and Infrastructure	This project supports SDG 3 (Good Health and Well-Being) by enabling early and accurate detection of cellular senescence, improving research on aging and age-related diseases. It also advances SDG 9 (Industry, Innovation and Infrastructure) through the integration of artificial intelligence into biomedical diagnostics.	This project develops an AI-based prototype using the YOLOv8 deep learning model to accurately detect cellular senescence by integrating biochemical and morphological features. The system aims to improve the efficiency, objectivity, and scalability of senescence analysis in biomedical research.
81	NG KWOK WEN (DR)	Transcriptional Profiling of Taurine-Induced Anti-Aging Effects via qPCR and β-galactosidase Assay in Senescent Human Cells	Health Sciences	SDG 3: Good Health and Well-Being	This study contributes to SDG 3 (Good Health and Well-Being) by elucidating the molecular mechanisms of taurine in reducing cellular aging, supporting the development of preventive health interventions.	This study investigates the effects of taurine on senescence-associated gene expression in human cells using qPCR and β-galactosidase assays. The project aims to elucidate molecular mechanisms underlying taurine's potential anti-aging properties
82	NG KWOK WEN (DR)	Investigating the anti-aging gene expression in human cells treated with a combination product containing quercetin, taurine,	Health Sciences	SDG 3: Good Health and Well-Being	This research advances SDG 3 (Good Health and Well-Being) by evaluating synergistic anti-aging effects of natural compounds that may improve health span.	This project evaluates the impact of a combination of quercetin, taurine, bromelain, and pycnogenol on anti-

		bromelain, and pycnogenol using qRT-PCR.				aging gene expression in human cells using qRT-PCR. The study seeks to identify synergistic molecular effects that support the development of evidence-based anti-aging interventions.
83	NG YEN PING (DR)	Determining Short-term Oral Antibiotics Non-adherence and exploring its Associated Factors Among Orang Asli populations at Kampung Sungai Tonggang, Ipoh, Perak, Malaysia.	Health Sciences	SDG 3: Good Health and Well-Being SDG10: Reduced Inequalities	This study supports SDG 3 (Good Health and Well-being) by identifying factors contributing to antibiotic non-adherence, which can lead to treatment failure and preventable complications. It also contributes to SDG 10 (Reduced Inequalities) by addressing medication-use challenges in an underserved Orang Asli community.	This study will assess how often Orang Asli patients at Kampung Sungai Tonggang, Ipoh, do not complete short-term oral antibiotic treatment, and explore the reasons behind it. Using interviews and/or questionnaires, the study will identify factors such as understanding of antibiotics, access to healthcare, side effects, and practical barriers to taking medicines as prescribed. The findings will help guide more effective and culturally appropriate strategies to improve antibiotic use and reduce preventable infection-related complications in this community.
84	NG YEN PING (DR)	Assessing Antihypertensive Medication Adherence Among Geriatric Residents: A Single-	Health Sciences	SDG 3: Good Health and Well-Being SDG10:	This study supports SDG 3 (Good Health and Well-being) by identifying the level of antihypertensive medication adherence	This single-centre cross-sectional study will assess how well geriatric residents in a nursing home in Ipoh,

		Center Cross-Sectional Study in a Nursing Home in Ipoh, Perak, Malaysia.		Reduced Inequalities	among elderly nursing home residents and the key barriers affecting treatment success, which directly influences blood pressure control and reduces the risk of preventable complications such as stroke, heart failure, and kidney disease. It also contributes to SDG 10 (Reduced Inequalities) by focusing on a vulnerable older population who may face higher risks of poor medication management due to frailty, dependence on caregivers, and limited access to personalised healthcare support, helping to reduce health gaps in long-term care settings.	Perak, adhere to their prescribed antihypertensive medicines. Data will be collected using interviews and medical record review to measure adherence levels and identify common barriers such as side effects, forgetfulness, complex regimens, and limited understanding of treatment. The study aims to provide evidence to support better medication management and targeted interventions to improve blood pressure control and reduce cardiovascular complications among elderly nursing home residents.
85	NG YEN PING (DR)	Exploring the Knowledge, Attitude, and Practice of ChatGPT in Pharmacy Settings: A Cross-Sectional Study of Pharmacists' Perspectives at a Tertiary Hospital in Ipoh, Perak, Malaysia.	Health Sciences	SDG 3: Good Health and Well-Being SDG 9: Industry, Innovation and Infrastructure	This study supports SDG 3 (Good Health and Well-being) by evaluating pharmacists' knowledge, attitudes, and practices regarding ChatGPT use in pharmacy settings, which may influence the quality of medication counselling, clinical decision-making, and patient safety in a tertiary hospital. It also contributes to SDG 9 (Industry, Innovation	This cross-sectional study will explore pharmacists' knowledge, attitudes, and practices regarding the use of ChatGPT in pharmacy settings at a tertiary hospital in Ipoh, Perak, Malaysia. Data will be collected using a structured questionnaire to understand how pharmacists perceive

					and Infrastructure) by providing evidence on the readiness, barriers, and responsible adoption of AI-driven digital tools in healthcare, helping to guide future implementation strategies, training, and governance for innovation in pharmacy services.	ChatGPT, how it is currently being used, and what concerns or barriers exist, including issues related to accuracy, confidentiality, and professional responsibility. The findings will help inform future training needs and guide safe and appropriate integration of AI tools to support pharmacy services and patient care.
86	SYED ATIF ABBAS (DR)	Systematic Review On Antibacterial Activity Of Senna Alata.	Health Science	SDG 3: Good Health and Well-Being	Traditional medicine for wound healing	To find out the most the antibacterial activity of herbal extract (senna alata)
87	SYED ATIF ABBAS (DR)	Evaluation of the Anti-Inflammatory Effect of Topical Formulated Senna alata Using the Carrageenan-Induced Mouse Paw Oedema Model	Health Science	SDG 3: Good Health and Well-Being	Traditional medicine for wound healing	Anti-Inflammatory Effect of Topical Formulated Senna alata Using the Carrageenan-Induced Mouse Paw Oedema Model
88	SYED ATIF ABBAS (DR)	Study on antibacterial activity of Parkia Speciosa seeds extract	Health Science	SDG 3: Good Health and Well-Being	Traditional medicines for diabetic treatment	This study investigates the antibacterial properties of Parkia speciosa seed extract against selected bacterial strains
89	TAN BOON SENG (DR)	Developing, validating and investigating DRMS (Discover, Records, Monitoring, Solutions) Software System Acceptability Among Community Pharmacies	Health Science	SDG 3: Good Health and Well-Being	Improve health outcomes	This project focuses on the development and validation of the DRMS software system tailored for community pharmacies. The system is designed to enhance

						medicine discovery, patient records management, therapy monitoring, and provide data-driven solutions.
90	TEH CHUI YAO (DR)	Unravelling the interplay between proline application and rhizospheric soil metatranscriptome on the growth and yield traits of rice under salinity stress.	Biotechnology	SDG 2: Zero Hunger SDG 13: Climate Action	SDG 2: Zero Hunger This research supports SDG 12 by enhancing rice yield under salinity stress through proline application and soil microbiome analysis, offering sustainable strategies to boost crop productivity on saline soils and ensuring food security in salt-affected agricultural regions. SDG: SDG 13 – Climate Action This research aligns with SDG 13 by enhancing rice tolerance to salinity stress, a growing issue due to climate change-induced soil degradation and rising sea levels. By leveraging proline application and rhizosphere microbiome interactions, the study promotes sustainable adaptation strategies for rice cultivation under salinity stress conditions.	The proposed research focuses on sustainable and innovative agricultural practices. Rice is a staple crop in Malaysia, and increasing its tolerance to salinity stress is crucial for food security and economic stability. This study explores the potential of proline application to enhance rice productivity while investigating its impact on soil microbial communities through metatranscriptomic analysis. By optimizing proline induced microbial interactions, the research could lead to improved soil health, higher rice yields on salinity affected soils.
91	TEH CHUI YAO (DR)	Evaluation of stability and antioxidant properties of betalain derived from the callus of Gomphrena globosa.	Biotechnology	SDG12: Responsible Consumption and Production	This project provide an alternative method to produce a valuable natural pigment, betalain through plant in vitro culture technique.	This project provide an alternative method to produce a valuable natural pigment, betalain through plant in vitro culture technique.

92	TEH CHUI YAO (DR)	Elucidating the role of proline on the phosphorus assimilation and transcriptomic profile of rice under phosphorus deficiency	Biotechnology	SDG 2: Zero Hunger	The findings of the research may help to improve rice yield under phosphorus deficiency	Phosphorus (P) deficiency is an abiotic stress that severely hampered the rice production. Results showed that supplementation of proline has significantly increased the fresh weight, number of shoots and number of roots, but resulted in reduced plant height and root length. Quantification of P showed that proline-treated plants have higher Pi content as compared to the control regardless of the growth points. Differential expression analysis comparing the proline treated and control plants identified 1,050 differentially expressed (DE) transcripts. 668 DE transcripts were up-regulated, of which 138 DE were exclusively expressed in the treatment group. Functional, Gene Ontology (GO), and pathway enrichment analysis of the DE transcripts 15 and 20 pathways for up- and

						down-regulated transcripts respectively.
93	THINESWARAN (DR)	Support Vector Machine and Text Classification	Machine learning	SDG 4: Quality Education	Creation and organization of vast repositories through classification / categorization of large amounts of textual data could serve as components in e-learning solutions	This research contributes to SDG 4 by enhancing the effectiveness of machine learning in text classification, which play important role in many e-learning tools including digital libraries and course recommendation systems. Instead of using the standard Support Vector Machine (SVM) approach, we modifying the classification stage by replacing the optimal separating hyperplane by alternative distance functions. This study aims to reduce the computational complexity and enhance the stability of the classifier. This improvement can help in enabling faster and more stable categorization of large volumes of textual materials, help in educational tools like recommending learning materials and organizing course content.

94	VIJAY KOTRA (DR)	Exploring the mechanism of action of Chinese traditional medicine for breast cancer based on datamining and network pharmacology	Health Science	SDG 3: Good Health and Well-Being	Establishment of evidences for treatment using TCM for breast cancer	This study involves data mining of MOA for breast cancer using various TCM. With collected evidences by data mining will be analysed and selected TCM will be studied on breast cancer cell lines for their efficiency
95	WENDY LIU YING YING (DR)	Deciphering the anti-cancer potential and mechanism of action of bacterial endophytes associated with Annona muricata (L.) against colon cancer	Microbiology	SDG 3: Good Health and Well-Being	Potential complementary/alternative treatment for colon cancer	This study explores the potential and mechanism of action of bacterial endophytes derived from leaves of Annona muricata in its in vitro ability to inhibit the growth of colon cancer cell lines.
96	WENDY LIU YING YING (DR)	Antifungal activities of culturable fungal endophytes derived from Plectranthus amboinicus against Candida spp.	Microbiology	SDG 3: Good Health and Well-Being	Potential antifungal drugs to against candidiasis	In this study, we aim to investigate the antifungal activity of P. amboinicus using both in vitro and in vivo methods. The antifungal activity of the P. amboinicus will be examined via disk diffusion assay, followed by determining the minimal inhibitory concentration (MIC) of P. amboinicus extract using the standard method. For in vivo antifungal study, Candida sp. will be injected into immunosuppressed rats

						to induce systemic candidiasis. The infected rats will be screened by fungal blood culture test and then divided into control (no treatment), positive (Amphotericin B), and treatment (P. amboinicus) groups. The in vivo antifungal effects of P. amboinicus will be examined by measuring the metabolic biomarkers such as blood urea nitrogen (BUN), aspartate aminotransferase (AST), and alanine aminotransferase (ALT) levels will be measured using the standard kits. Lastly, the histopathological examination will be performed to inspect the changes between the treated and the control groups
97	WENDY LIU YING YING (DR)	Deciphering the anti-cancer potential and mechanism of action of bacterial endophytes associated with Annona muricata (L.) against colon cancer	Microbiology	SDG 3: Good Health and Well-Being	Potential complementary/alternative treatment for colon cancer	This study explores the potential and mechanism of action of bacterial endophytes derived from leaves of Annona muricata in its in vitro ability to inhibit the growth of colon cancer cell lines.

98	KHAIRULANWAR HUSAIN (MR)	A Survey on the Knowledge and Attitude in Managing Gout Among Community Pharmacists in Perak.	Pharmacy Practice	SDG 3: Good Health and Well-Being	Understanding the trends in gout management by pharmacist	A cross-sectional study regarding the trend in gout management by community pharmacist in Perak
99	KHAIRULANWAR HUSAIN (MR)	Knowledge And Awareness Of Polycystic Ovary Syndrome (PCOS) Among Women At Quest International University	Pharmacy Practice	SDG 3: Good Health and Well-Being	Potential to provide appropriate information intervention for female students in the university regarding PCOS and its treatment	It is a crosectional study analyzing the students knowledge an understanding of PCOS its symptoms and treatment
100	KHAIRULANWAR HUSAIN (MR)	Research Hotspots Trends on “Pantoprazole” and “Inappropriate Use”: A Bibliometric and Network Visualization Analysis	Pharmacy Practice	SDG 3: Good Health and Well-Being	Understanding the current trends in pantorprazole use	Analyze the current study on the use of pantoprazole whether it is used appropriately
101	CHOO JIN YIN (MR)	A Study on the Knowledge, Attitudes, and Practices (KAP) Towards Seasonal Influenza and Its Vaccine Among Adults in Ipoh, Perak, Malaysia: A Cross-Sectional Study	Health Sciences	SDG 3: Good Health and Well-Being	This study supports SDG 3 (Good Health and Well-being) by assessing adults’ knowledge, attitudes, and practices toward seasonal influenza and its vaccine, which helps identify gaps that may contribute to low vaccination uptake and preventable influenza-related illness. The findings can guide targeted health education and vaccination strategies to improve influenza prevention, reduce complications (especially among high-risk groups), and strengthen community-level public health efforts in Ipoh, Perak.	This cross-sectional study will assess the knowledge, attitudes, and practices (KAP) of adults in Ipoh, Perak, Malaysia, toward seasonal influenza and influenza vaccination. Data will be collected using a structured questionnaire to identify common misconceptions, barriers to vaccination, and factors influencing vaccine acceptance. The findings will help inform targeted public health education and strategies to improve

						influenza vaccine uptake and reduce preventable influenza-related illness in the community.
102	CHOO JIN YIN (MR)	Assessment of Prevalence of Different Type of Headaches Among Students of Quest International University: A Cross-Sectional Study	Health Sciences	SDG 3: Good Health and Well-Being	This study supports SDG 3 (Good Health and Well-being) by identifying the prevalence and common types of headaches among university students, highlighting an important but often under-recognised health issue that can affect daily functioning and quality of life. The findings can guide targeted health education, early screening, and appropriate support services to improve symptom management, reduce disability, and promote better overall wellbeing among students.	This cross-sectional study will assess the prevalence and types of headaches among students of Quest International University. Using a structured questionnaire, the study will identify common headache patterns and related factors such as stress, sleep habits, screen time, and lifestyle practices. The findings will provide useful evidence to support health awareness initiatives and improve student wellbeing through early recognition and appropriate management of headache-related problems.
103	CHOO JIN YIN (MR)	Prescribing Trend of Benzodiazepine Among Outpatient Major Depressive Disorder Patients in Hospital Bahagia Ulu Kinta, Perak.	Health Sciences	SDG 3: Good Health and Well-Being	This study supports SDG 3 (Good Health and Well-being) by evaluating benzodiazepine prescribing trends among outpatient patients with major depressive disorder, helping to identify patterns of potentially inappropriate use,	This study will examine the prescribing trends of benzodiazepines among outpatient patients diagnosed with major depressive disorder at Hospital Bahagia Ulu Kinta, Perak. Using medical record review,

					long-term dependence risk, and gaps in safe prescribing practices. The findings can guide improvements in mental health medication management, promote rational use of psychotropic medicines, and support safer, higher-quality care for patients receiving treatment at Hospital Bahagia Ulu Kinta.	the study will describe how often benzodiazepines are prescribed, the types and doses used, and the duration of treatment. The findings will help identify prescribing patterns that may increase the risk of inappropriate use or dependence, and provide evidence to support safer and more rational medication use in mental health care.
104	VIJAY KOTRA (DR)	Investigation of Aging-Related Gene Expression and Cellular Senescence Reversing Activities of Quercetin in Hydrogen Peroxide Induced Human Cells using qRT-PCR and Beta-Galactosidase Assay	Health Science	SDG 3: Good Health and Well-Being	Investigation of effect of quercetin in treatment of anti-aging.	Investigation of Aging-Related Gene Expression and Cellular Senescence Reversing Activities of Quercetin in Hydrogen Peroxide Induced Human Cells using qRT-PCR and Beta-Galactosidase Assay
105	VIJAY KOTRA (DR)	In-Silico Studies on New Quinoline-Thiazole Derived Schiff Base Hybrids as PPAR-γ Agonist and α-Glucosidase Inhibitors in the Treatment of Diabetes	Health science	SDG 3: Good Health and Well-Being	New drug discovery for treatment of diabetes comes under the health and well-being SDG 3	Insilico studies of New Quinoline-Thiazole Derived Schiff Base Hybrids as PPAR-γ Agonist and α-Glucosidase Inhibitors in the Treatment of Diabetes in the process of Drug Discovery
106	VIJAY KOTRA (DR)	Design of Triazole Chalcone Derivatives as Multi-Targeted Agents for Lanosterol	Health Science	SDG 3: Good Health and Well-Being	Drug discovery of new antifungal agents comes under the health and	Design of Triazole Chalcone Derivatives as Multi-Targeted Agents for Lanosterol

		14α-Demethylase and Chitin Synthase 2 Inhibition in Candida albicans for Antifungal Activity by Molecular Docking Studies			wellbeing comes under SDG 3	14α-Demethylase and Chitin Synthase 2 Inhibition in Candida albicans for Antifungal Activity by Molecular Docking Studies
107	VIJAY KOTRA (DR)	Areca catechu LINN NUT EXTRACT AS BIO- INSECTICIDE AGAINST Aedes aegypti AND Aedes albopictus	Health Science	SDG 3: Good Health and Well-Being	Effect of natural and edible plant products as larvicidal compounds in the eradication of Dengue comes under health and wellbeing	Development of Areca catechu LINN NUT EXTRACT AS BIO-INSECTICIDE AGAINST Aedes aegypti AND Aedes albopictus which is environment friendly.
108	TAN BOON SENG (DR)	Mapping The Scientific Landscape Of Bipolar Disorder And Hypothyroidism: A Bibliometric and Network Analysis (2015 – 2025)	Health Science	SDG 3: Good Health and Well-Being	Mapping global research trends and knowledge gaps in bipolar disorder and hypothyroidism	This study uses bibliometric and network analysis to map global research trends on bipolar disorder and hypothyroidism from 2015 to 2025. It aims to identify publication patterns, key research contributors, collaboration networks, and emerging research themes to better understand the scientific relationship between these two conditions
109	TAN BOON SENG (DR)	Mapping The Scientific Landscape Of Stenosing Tenosynovitis (Trigger Finger): A Bibliometric Analysis Of Global Research (2015-2025)	Health Science	SDG 3: Good Health and Well-Being	analysing global research trends in stenosing tenosynovitis (trigger finger)	This study uses bibliometric analysis to evaluate global research trends on stenosing tenosynovitis (trigger finger) from 2015 to 2025. It aims to identify publication patterns, key

						contributors, research hotspots, and emerging themes to better understand the development of scientific knowledge in this field.
110	TAN BOON SENG (DR)	Community Pharmacists' Knowledge, Attitude, Practice and Barrier about Traditional Chinese Medicine Preparation in Kinta District of Perak State of Malaysia.	Pharmacy Practice	SDG 3: Good Health and Well-Being	The findings may help improve safe integration of traditional medicine into primary healthcare services	The study will use a cross-sectional survey to evaluate pharmacists' level of competency, current practice patterns, and challenges faced in handling TCM products. The findings are expected to provide evidence to support training needs, improve professional practice, and enhance the safe integration of TCM services into community pharmacy settings.
111	SITI NOR AISHAH MOHD SALLEH	Hazard Identification and Risk Assessment in the Landfilling	HIRA in the landfilling industry	SDG 6: Clean Water and Sanitation SDG 11: Sustainable Cities and Communities	SDG 6: Minimises risks of groundwater and surface water contamination from landfill leachate and improper waste handling. SDG 11: Supports safer and more sustainable waste management systems in urban and peri-urban areas	This project focuses on identifying potential hazards associated with landfill operations, including leachate generation, landfill gas emissions, slope instability, and exposure risks to workers and nearby communities. Using systematic hazard identification and risk assessment tools, the study evaluates the likelihood and severity of these risks and

						proposes mitigation and control measures. The outcomes support safer landfill management practices and compliance with environmental and occupational safety regulations.
112	SITI NOR AISHAH MOHD SALLEH	Pilot Study on Integration of Banana Peel and Limestone as Dual Coagulant Aids for Turbidity Removal from Landfill Leachate	Natural coagulant aids	SDG 9: Industry, Innovation and Infrastructure SDG12: Responsible Consumption and Production	SDG 9: Encourages innovation through the use of low-cost, sustainable materials in wastewater treatment processes. SDG 12: Supports waste valorisation by converting banana peel (agro-waste) into a useful treatment aid.	This project investigates the pilot study of banana peel (as a natural, biodegradable coagulant aid) combined with limestone to improve turbidity removal from landfill leachate. The study evaluates treatment performance in terms of turbidity reduction, optimal dosage, and potential cost and environmental benefits. By integrating agricultural waste and naturally abundant materials, the research promotes sustainable, low-impact leachate treatment technologies aligned with circular economy and green engineering principles.
113	JEFFREY YEE KHONG LOONG (DR)	A Study on the Impact of Work Connectivity Behaviour After-hours (WCBA) on the Development	Organisational Behaviour	SDG 8: Decent work and economic growth	By understanding what employees experience with WCBA, its origins and influences, we can better lead and manage people.	The study looks at an issue that plagues the modern workplace - where employees are compelled to work after

		Mechanism, of Primary School Teachers in China			This will have effects on a sustainable workforce, productivity and promote decent work.	hours. Part of the issue lies with the affordances of I.T. This study is needed in a time where global work engagement levels are at its lowest. This is exceptionally visible among primary school teachers in China - hence its choice of study location. It is hoped that this study will show up the likely varied experience of WCBA at the individual level. In so doing, the study will give insight into creating cultures for a sustainable workforce.
114	DR SUPPIAH A/L NACHIAPPAN	Investigating the Relationship among Emotional Intelligence, Peer Feedback Quality, and Critical Thinking Skills in Developing Academic Writing Proficiency among ESL University Students: A Mix-Method Study	Education	SDG 4: Quality Education	Producing quality graduates to meet the nation's education demand	To enhance the Critical Thinking Skills in Developing Academic Writing Proficiency among ESL University Students
115	DR SUPPIAH A/L NACHIAPPAN	Application of AI in High School to Improve Students Standing Long Jump in Anbui Province: Module Development	Education	SDG 4: Quality Education	Producing quality graduates to meet the nation's education demand	To apply AI usage in High Schools to Improve Students' Standing Long Jumps
116	DR SUPPIAH A/L NACHIAPPAN	Exploring the Interplay of Digital Storytelling Pedagogy, Learner Autonomy, and Cultural Identity in Enhancing	Education	SDG 4: Quality Education	Producing quality graduates to meet the nation's education demand	To explore the Interplay of Digital Storytelling Pedagogy, Learner Autonomy, and Cultural Identity in Enhancing

		Speaking Proficiency among ESL Learner in Multilingual Classrooms: A Mixed-Methods Study				Speaking Proficiency among ESL Learner in Multilingual Classrooms
117	DR SUPPIAH A/L NACHIAPPAN	Enhancing the pre-writing skills of pre-school students	Education	SDG 4: Quality Education	Producing quality graduates to meet the nation's education demand	To enhance the pre-writing skills of pre-school students

All faculties at QIU engage in various research that contributes to the following Sustainable Development Goals:

SDG ALIGNMENT SUMMARY (2025)

QIU initiatives in 2025 contributed directly to the following SDGs:

CONCLUSION

The SDG Steering Committee Report 2025 reflects Quest International University's continued commitment to embedding sustainability across education, research, leadership, and operations.

Through structured governance, strong partnerships, and community-centred initiatives, QIU contributes meaningfully to national development and the global SDG agenda.

Moving forward, QIU will continue to strengthen data-driven reporting, expand collaborative networks, and scale initiatives that deliver measurable and inclusive impact.

SUSTAINABLE DEVELOPMENT GOALS

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