

IE Insight

FOREWORD



Nurul Aqilah Bte
Haji Muzani

Welcome to the Office of Assistant Vice Chancellor Innovation and Enterprise (OAVCIE) April to June 2021 newsletter issue.

It is with great pleasure to write the foreword for this newsletter. The office continues to make efforts in ensuring continued engagement with industry stakeholders such as LSL, Brunei Shell Petroleum (BPS) and Imagine Sdn. Bhd to pursue potential joint projects and collaborations.

As part of the department's goal to encourage the development of innovative and entrepreneurial skill sets, the incubation startups under the care of the Entrepreneurship Village (EV) had opportunities to explore digitalization skills, showcased their products and services, and participated in a hackathon focused on developing solutions for the oil and gas industry. In June 2021, EV assembled a designated team called Faculty Representative Entrepreneurship Development (FRED), which comprises academic experts from various faculties at the University Brunei Darussalam (UBD), to support the entrepreneurship initiative; by aiming to create opportunities and reduce the unemployment rate among University Brunei Darussalam (UBD) graduates.

It is worth noting in June, a memorandum of understanding (MOU) was signed between Brunei Shell LiveWIRE Sdn Bhd and the Office of Assistant Vice Chancellor Innovation and Enterprise, on behalf of UBD. The MOU acts as a general foundation for potential collaborations for both organisations in various areas and disciplines. As part of the initiative, Brunei Shell LiveWIRE shall be hosting UBD students for their industrial attachment/placement at areas and duration mutually agreed by both organisations.

With these exciting advancements with industry stakeholders, we hope OAVCIE can bring in more initiatives that can benefit the students in building up their mindset, skills and opportunities.

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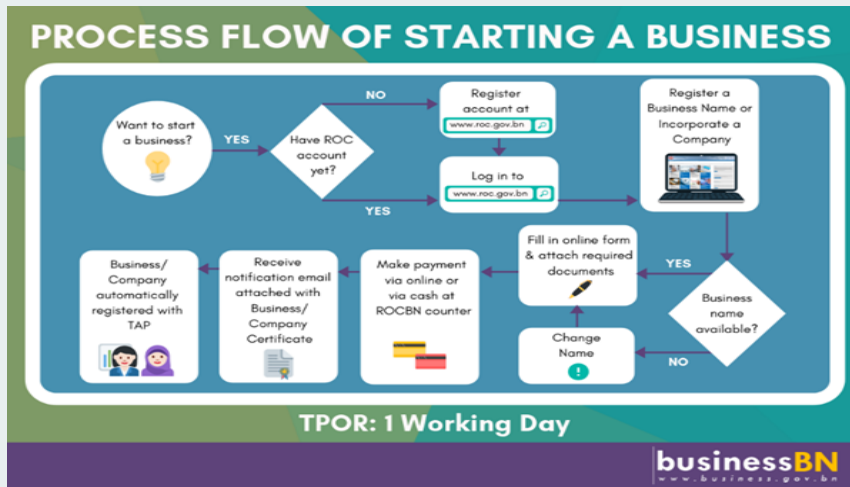
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OFFICE OF ASSISTANT VICE CHANCELLOR INNOVATION AND ENTERPRISE

The Office of Assistant Vice-Chancellor Innovation and Enterprise (OAVCIE) was formed in 2017; to assist in UBD's transformation into a university of innovation and enterprise.

The office's functions include Education on Intellectual Property (IP), Entrepreneurship, Patent Management, Marketing and Licensing, Business development and assistance for Start-ups as well as Industry Outreach. OAVCIE also oversees UBD Innovation Wharf and Prototype Development Unit, and is responsible for consultancies and services within UBD as the UBD's focal point of contact with industries.

ENTERPRISE EDUCATION : STARTING A BUSSINESS IN BRUNEI



Process flow of Starting a Business (courtesy of business BN)

Brunei has been taking strives in ensuring that entrepreneurship is accessible to the public, especially to youth. It is important for youth to develop the mindset that entrepreneurship can be taken as a possible career path, which can lead to opportunities and provide an alternative source of financial stability. The efforts have been fruitful such that in 2020, Brunei Darussalam was ranked 66 out of 190 economies in the Ease of Doing Business score.

As a way to have Micro, Small & Medium Enterprises (MSME) development accessible to the public, the process of registering a business in Brunei has been transitioned to an online platform <http://www.roc.gov.bn/>.

The process of registering a business can be done within 1 working day, upon confirmation of business name availability, and payment via online. Before starting to consider registering your company, you should have some idea of the type of business entity that is best suited for your company's needs. This could determine the criteria, liability, and documents that need to be prepared to officially register your company.

Types of business entities in Brunei:

1) Sole Proprietorship

A business entity that is owned by one person. Most micro and small business start with this entity.

2) Partnership

A business of two or more business partners, where liability is shared amongst partners. Generally, the maximum number of people to be registered in a partnership is 20 partners. It is also a popular choice for many MSM to start with.

3) Company

A business entity that separates the legal entity from its stakeholder and directors. A company can either be Private (between 2 to 50 shareholders) or Public (at least 7 shareholders/members). Typically, company entities in Brunei are given the title of *Sendirian Berhad* (Sdn Bhd).

4) Cooperatives

An autonomous association of persons united voluntarily to meet their common economic, social and cultural needs, and aspirations through a jointly owned and democratically controlled enterprise.

More details can found in the link here: <https://business.mofe.gov.bn/SitePages/Choosing a business structure.aspx>



BIGBWN GO DIGITAL WORKSHOP FOR DISCOVERY YEAR (DY) INCUBATION

By Wafiy Anak Suhimi

On Thursday, 1st April 2021, students from the Discovery Year Incubation program of the Entrepreneurship Village (EV) had the opportunity to attend a workshop organised by BigBWN, called GO DIGITAL ASEAN, which took place at the Main Lecture Theatre, Level 2, Institute of Health Science (IHS) Extension Building, at UBD



BigBwn Go Digital Workshop for Discovery Year(DY) Incubation

The GO Digital ASEAN workshop is a Digital Literacy Project, an initiative to focus on closing the digital gap across ASEAN and in support of ASEAN's Coordinating Committee on MSMEs vision. Implemented by The Asia Foundation, with support from Google's philanthropic arm, Google.org, the initiative aims to train up to 200,000 people from rural regions and under-served communities including entrepreneurs, underemployed youth, and women.

In the course of the workshop, the participants were exposed to a plethora of topics, including 'Cyber Security 101' that was presented by BruCert, 'E-Commerce/E-Kadai' presented by the Authority of Info-Communications Technology Industry for Brunei Darussalam (AITI), 'Digital Marketing & Employability' by BigBWN, 'Technology for Inclusive Education' by Nisai Brunei, and Art & Science of Digital Workforce by ComQuest Brunei. It is hoped that the participants were able to gain new skills to support the launching of the Digital Economy Master Plan 2035, which aims to turn Brunei into a smart nation by the year 2035.

INDUSTRY ENGAGEMENT WITH LSL SDN. BHD.

By Wafiy Anak Suhimi

On the 5th of April 2021, OAVCIE welcomed LSL Sdn. Bhd. (LSL) as part of UBD's effort in establishing possible collaboration between the two entities. In the meeting, UBD presented some of the ongoing researches as well as past researches that have been done at UBD, as well as the different UBD-owned patents, particularly those which are close to the commercialization stage.

Attending the meeting from LSL was their Managing Directors, Low Soon Lye and Low Ser Yew and few members from the company. While, OAVCIE was lead by Pg Dr Emeroylariffion Abas, Director of OAVCIE, and Mr Lim Kok Shein (Deputy Director of OAVCIE and Head of EV/USC) and few other OAVCIE members.

LSL are committed to building quality infrastructure projects with their highly experienced team that focuses on delivering quality service and effective construction planning. They are also proudly known for locally manufacturing a wide range of high quality products.



Industry Engagement with LSL Sdn Bhd



TALK BY BRUNEI INTELLECTUAL PROPERTY OFFICE

By Hasnah Hassan , Mohammd Azizul Ezzaddin Bin Julime and Mohammad Nur' Haiyan Hibatullah Bin Roslan



Group photo with Brunei Intellectual Property Office

On 5th April 2021, Brunei Intellectual Property Office (BruIPO) delivered a seminar on Intellectual Property Rights (IPRs) in Brunei, which took place at the Mini Lecture Theatre 2, University Technology Hub Building. The seminar was arranged as part of UBD's module, GE-2405: Intellectual Property Rights. It was delivered by officers from BruIPO and attended by the students registering for the module, teaching staff and staff from the OAVCIE.

The talk started with a brief introduction on BruIPO, its history, vision and mission, and then, it was followed by the introduction of Intellectual Property (IP), its different types, and the importance and processes of IP protection. As of 2012, 340 Patents, 26 Industrial Designs, and 10,298 Trade Marks have been registered in Brunei through BruIPO. During the talk, the importance of IP has been emphasized, as IP gives owners protection against unauthorized use on top of being great a marketing tool for commercialization, may serve as a valuable asset as well as possible collateral.

BruIPO can be found on Instagram, Facebook and Twitter. For any filing of IP, it can be done physically at the BruIPO office or through efiling.bruipo.gov.bn

EV STARTUP SHOWCASE: DISCOVERY INCUBATION STUDENTS & EV ALUMNI

By Nurul Aqilah Binti Muzani and Wafiy Anak Suhimi

In conjunction with UBD SPECTRUM 2021: ANEW, a 6-day parallel event was organized by EV and UBD Startup Centre (USC) between 8th and 13th April 2021. The event called EV Startup Showcase presented startups incubated under EV.

These incubate had undergone training as 'student entrepreneurs' under the Discovery Year Incubation program, and alumni startups under USC. During the showcase, they showcased their promotional products and services. This was also an extension to show the UBD Entrepreneurship Ecosystem, where multidisciplinary collaboration plays a role in ensuring innovation and sustainability. This is the first time that the event has been organized, and it is planned to be held annually; to provide a platform to proudly expose and present startups that have been trained at UBD.



Group photo with EV Startups during showcase

DISCOVERY YEAR INCUBATION STUDENTS IN THE SHELL LIVE WIRE HACKATHON

By Wafiy Anak Suhimi



Group photo with students in the Shell LiveWIRE Hackathon

Between 9th and 12th April 2021, seven out of ten students from the Discovery Year Incubation Program under EV had the opportunity to participate in the LiveWire Hackathon event, organized by Brunei Shell LiveWIRE Sdn. Bhd.

The LiveWIRE Hackathon was a three-day hackathon, designed to stimulate the entrepreneurial capacity of the youth to work together and develop suitable solutions from a broader perspective focusing on 5 core areas: Agrotechnology, Waste Management, Digitalization, Smart Manufacturing, and Energy Transition. Participants were provided with mentorship sessions and training workshops to further refine and provide depth to their ideas, reshape business strategies and processes to derive more value, by considering the prospects of the ideas as part of Industrial Revolution 4.0, rather than only tackling innovation.

From the workshop, it is hoped that the participants will be more equipped with relevant knowledge to be able to generate business ideas that can lead to business opportunities worthy of further investment. During the event, Team Pitcher won first place with BND2,000, Team RecOil won second place with BND1,500, and Elctrack Team won third place with BND1,000.



SECOND INDUSTRY ENGAGEMENT MEETING WITH IMAGINE SDN. BHD.

By Harris Ar-Rafi and Muhammad Azizul Ezzaddin Bin Julime

On 12th April 2021, The Office of Assistant Vice Chancellor Innovation and Enterprise (OAVCIE) has been invited to Imagine Sdn. Bhd. headquarters at RBA Plaza in Bandar Seri Begawan to discuss potential research on digital poverty in Brunei Darussalam. Among the things which had been discussed, including researches to find ways of identifying and catering the digital needs, such as connectivity, data and access to devices for local underprivileged families.

Leading the team from UBD was Professor Dr. Mohammad Ayub Sadiq @ Lin Naing, Assistant Vice Chancellor (Innovation and Enterprise) and Dr. Muhammad Anshari Ali, Senior Assistant Professor, UBD School of Business and Economics and Deputy Director, Institute of Policy Studies, and representing Imagine Sdn. Bhd. was General Manager and Head of Corporate Project Management Office, Mr. Omdani Yusof and Corporate Affairs Manager, Ms. Siti Hajar Mahathir.

Imagine Sdn.Bhd is a well-known telecommunication company in Brunei. Their vision is to be a force of transformation in Brunei, by helping to accelerate people and businesses into the future; by empowering every resident in Brunei to imagine, create and experience the future through next-gen telecom solutions.



Meeting with Imagine Sdn Bhd

DSS WORKING VISIT TO UBD BIOSENSORS AND NANOBIO TECHNOLOGY LABORATORY

By Hjh Masriatol Zuraifah Hj Sajali and Mohammad Nur'Haiyan Hibatullah Bin Roslan

On 12th April 2021, the Office of Assistant Vice Chancellor Innovation and Enterprise (OAVCIE) welcomed the Department of Scientific service (DSS), Ministry of Health to UBD Biosensors and Nano-biotechnology Laboratory.

Attending from DSS were Chief Scientific Officer Hjh Hasinahwati Binti Hj Hanafi, Chief Scientific Officer Nur Nisrinah Binti Hj Awang Yusof, Scientific Officer Dr Hjh Noorhasifah Binti Awang Hj Tengah, Scientific Officer Nadiyah Binti Hj Amidon, and Scientific Officer Norkhuzaifah Binti Kassim. Welcoming them were Professor Dr. Mohammad Ayub Sadiq @ Lin Naing (Assistant Vice Chancellor, Innovation & Enterprise), Pg Dr. Emeroylariffion Abas (Director of OAVCIE), Associate Professor Dr Minhaz Uddin Ahmed, Dr Lim Lee Hoon, Dr Noor Faizah Mohd Naim and staff from OAVCIE.

DSS is responsible for providing laboratory services through comprehensive scientific analysis and calibration to support public health and law enforcement agencies in Brunei Darussalam. The department is capable of providing such scientific analytical services and calibration services, in line with current developments in the fields of health science, forensic science, metrology, and in assisting to fulfill food export requirements.



Group photo with DSS working group

BRUNEI SHELL PETROLEUM SDN BHD DECOMMISSIONING AND RESTORATION TEAM MEETING

By Harris Ar-Rafi Bin Mohd Zaini



Meeting between BSP Decommissioning And Restoration Team

On 27th May 2021, A representative from Brunei Shell Petroleum (BSP) Decommissioning and Restoration (D&R) Team had a discussion on Surface Abandonment-Isolation Strategy with the Office of Assistant Vice Chancellor Innovation and Enterprise (OAVCIE).

The meeting was attended by Hj Idris Hj Mohd Jaafar, D&R Manager; Manoochehr Salehabadi D&R Technology Lead; Pg Suraini Pg Hashim, D&R Business Opportunity Manager for East Asset; Mr.Todd Zerbin, D&R Business Opportunity Manager for Darat Asset; Pg Reza Mariano Pg Salleh, Subsurface Abandonment Lead and Puan Mazridah Rahman, D&R External Relations and Cadence PMO.

Representatives from UBD include Professor Dr. Mohammad Ayub Sadiq @ Lin Naing, Assistant Vice Chancellor (Innovation and Enterprise);Pg Dr Emeroylariffion Abas, Director OAVCIE; Dr Afroz Ahmad Shah and Dr Stefan Herwig Godeke from Faculty of Science; and Dr Hj Abdul Hanif Hj Mahadi from the Centre of Advanced Material and Energy Sciences.

The proposed projects include Trapping and sealing potential of selected crops in Brunei Darussalam, Wide Cap-rock identification and mapping study, Statistical Analysis for good cement quality prediction, and Energy Transition.

FACULTY REPRESENTATIVE ENTREPRENEURSHIP DEVELOPMENT (FRED) IN THE DISCUSSION

By Mohammad Nur'Haiyan Hibatullah Bin Roslan



Discussion Photo Of Faculty Representative Entrepreneurship Development

On 3rd June 2021, EV and OAVCIE organized a meeting with UBD academics from various faculties. Attending the meeting were Professor Dr Mohammad Ayub Sadiq @ Lin Naing, Assistant Vice Chancellor (Innovation and Enterprise), and Lim Kok Shein (Deputy Director and Head EV/USC).

The meeting focused on a project to create opportunities for UBD alumni by teaching or mentoring students on a start-up business. Professor Ayub informed that this project aims to help reduce the rate of UBD graduates unemployment.



HARI RAYA AIDILFITRI AND INTERN APPRECIATION DAY

By Mohammad Nur'Haiyan Hibatullah Bin Roslan



Group photo with internship students

On Monday afternoon, 14th June 2021, OAVCIE celebrated Hari Raya Aidilfitri and an appreciation day for the student interns from Politeknik Brunei. In attendance was Professor Dr Mohammad Ayub Sadiq @ Lin Naing, Assistant Vice Chancellor (Innovation and Enterprise), Pg. Dr Emeroylarriffion Abas, Director OAVCIE, officers and staff of OAVCIE.

MOU BETWEEN UBD AND SHELL LIVEWIRE SDN BHD

By Wafiy Anak Suhimi



Group photo between UBD and Shell Livewire Sdn Bhd

On Saturday, 19th June 2021, Shell LiveWIRE Sdn Bhd and OAVCIE, UBD signed a memorandum of understanding (MOU) at the UBD Startup Centre (USC) in UBD. The MOU provides a general framework of cooperation and collaboration, as well as the initiation of a working relationship in different areas of mutual interest between UBD and Shell LiveWIRE. Particularly, both organizations are looking to enhance and channel student startups under the university's entrepreneurial initiatives with extended exposure to entrepreneurial education and intellectual property rights awareness. This MOU also acts as a platform for joint or collaborative research in fields of mutual interests between UBD and Shell LiveWIRE. To further encourage and support the production of students with an entrepreneurial mindset, Shell LiveWIRE also accommodates UBD students for durational industrial attachment and placement in areas mutually agreed by both organizations.

This MOU was signed by Hajah Rosita Binti Haji Hassan, In-Country Value Manager, Brunei Shell Petroleum Sdn Bhd (BSP) and Chairman of Shell LiveWIRE Brunei; and Pg Dr Emeroylarriffion Bin Pg Hj Abas, Director of OAVCIE. Witnessing the signing was Professor Dr Mohammad Ayub Sadiq @ Lin Naing, Assistant Vice Chancellor (Innovation and Enterprise), UBD and Hj Abdul Yusrin Bin DSLJ Hj Mohd Salleh, Programme Director of Shell LiveWIRE Brunei.



A TALK ON THE IMPORTANCE OF METHOD VALIDATION IN TESTING LABORATORIES BY THE DEPARTMENT OF SCIENTIFIC SERVICES, MINISTRY OF HEALTH

By Hasnah Hassan And Mohammad Nur'Haiyan Hibatullah Bin Roslan



Group photo With The Department Of Scientific Services , MOH

On 24th June 2021, a talk by the Department of Scientific Services (DSS) of the Ministry of Health was hosted by OAVCIE at UBD. The talk titled 'The Importance of Method Validation in Testing Laboratories' was delivered by Puan Nur Nisrinah Binti Haji Awang Yusof, Chief Scientific Officer and Head of Health Sciences Division at DSS. The talk was attended by Assistant Vice Chancellor (Innovation & Enterprise), Professor Dr Mohammad Ayub Sadiq; Director of OAVCIE, Pg. Dr Emeroylariffion Bin Haji Abas; Dean of Faculty of Science, Associate Professor Dr Lim Lee Hoon; officers from DSS and UBD lecturers, researchers and students. The talk was part of the research and collaboration between DSS and researchers from UBD.

The talk started off with an introduction to DSS. DSS is a science-based government agency providing scientific laboratory support services in public health safety and law enforcement in Brunei Darussalam. The speaker addressed the importance of analysts reports from their department; with common concerns on testing laboratory and ways to address them. A good laboratory method must be repeatable and reproducible by undergoing the process of development, validation and transfer. DSS adheres to the International Standard ISO/IEC 17025 requirements for method validation to assure reliability for the test method developed, and once validated, the method can be transferred to be used as routine analysis. Method validation can help analysts to show that the adopted test method can stand up against any disputes or criticism through demonstration of its proper and sound method validation process carried out beforehand. This means that without validation there can be no assurance that the test method will be fit for the purpose.



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