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GRIP Run 9 Lift-Off Day

14 dynamic teams unveiled their revolutionary deep tech solutions to an eager audience of corporate partners, venture capitalists, and investors!

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NUS Summer Programme in Entrepreneurship 2023

NUSSP 2023 brought together an extraordinary cohort of students from 20 countries across the globe. They embarked on a transformative journey fostering innovative ideas, all while embracing cross-cultural connections and entrepreneurial spirit.

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Unlocking Sleep's Magnetic Secret

Dive into the captivating world of M.I. Cloud, a start-up that has unlocked the magnetic secret to sleep innovation.

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useful tinder

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DEPUTY PRESIDENT'S Message

Dear readers,

I am excited to take you through the pages of the latest SPARKS issue, shedding light on the extraordinary endeavours within our ecosystem!

It is heartening to witness the impact of our initiatives as we bridge the gap between classroom learning and real-world problem-solving. From incubation programmes that nurture fledgling start-ups to networking events that connect aspiring entrepreneurs with industry leaders, we are continually fostering an environment where innovation thrives. At the recent NUS Graduate Research Innovation Programme (GRIP) Run 9 Lift-Off Day, 14 pioneering deep tech start-ups embarked on their journey, seeking funding and partnerships. This marked a triumphant return to in-person engagement post-COVID-19.

In an era where innovation and entrepreneurship have become catalysts for transformation, it fills me with immense pride to witness the boundless creativity, drive, and innovation that our students and staff bring to the forefront. The NUS Enterprise Summer Programme (NUSSP) 2023 drew its largest-ever cohort from 20 countries. The programme promoted diversity and camaraderie among international students, leaving them with entrepreneurial skills, long-lasting friendships, and innovative ideas. Furthermore, we are thrilled to highlight recent collaborations with esteemed institutions. Temasek, NUS, and NTU (Nanyang Technological University) recently signed a Memorandum of Understanding (MOU) to launch a joint program with a total investment of S$75 million. This groundbreaking endeavour is dedicated to fast-tracking the growth of successful deep tech start-ups, utilising research from these leading universities. An exciting aspect of this partnership involves the creation of a unified Intellectual Property (IP) licensing framework, streamlining the licensing process from up to five months to just one month! The collaboration intends to nurture globally competitive ventures in areas like Energy Transition, Biotechnology, and Compute and Cognition.

Our journey also takes us up close and personal with the visionaries within our ecosystem. M.I. Cloud, a pioneering start-up, harnesses magnetic interference technology to enhance various facets of life. Founded by Zaid Ahmed Khan and Paige Yang Ping, their focus on improving sleep quality and reducing snoring by targeting the soft palate in the throat is truly innovative. Initially designed for food preservation, their technology found an unexpected application in enhancing sleep quality, spurred by a fisherman's positive experience! M.I. Cloud has also ventured into pain management and is poised to collaborate with a sports company to integrate their devices into protective gear.

BeeX, an exceptional deep tech venture born from NUS research, embarks on a captivating journey to redefine underwater inspections using cutting-edge Autonomous Underwater Vehicles (AUVs). Founded by the visionary duo of Grace Chia and Goh Eng Wei, BeeX's story began as a student research project in 2008 and has since evolved into a groundbreaking enterprise, committed to introducing autonomy to the enigmatic depths of the ocean.

I invite you to delve into the stories and insights shared within these pages, for they not only celebrate our past achievements but also inspire us to reach even greater heights. I hope this issue's stories encourage each of us to embrace the entrepreneurial spirit that resides within!

Prof Chen Tsuhan

Deputy President
(Innovation and Enterprise)

NUS GRIP LIFT-OFF DAY 2023

NEXT TECH UNICORNS IN THE MAKING

Fourteen deep tech start-ups presented their ground-breaking solutions to an enthusiastic audience comprising corporate partners, accelerators, venture capitalists and investors at the NUS Graduate Research Innovation Programme (GRIP)'s Lift-Off Day held on 28 June 2023.

Currently in its ninth run, GRIP is one of NUS Enterprise's flagship innovation programmes. It provides comprehensive step-by-step guidance to the best and brightest NUS postgraduate students and researchers, cultivating these budding entrepreneurs to translate NUS' world-class research in deep technology into their own start-ups.

Held in a hybrid format, the event marked a return to in-person engagement following the resumption of physical events after the COVID-19 pandemic.

Now about three months into their transformative journey at NUS GRIP, 14 teams presented their innovative solutions at Lift-Off Day 2023 to an audience comprising corporate partners, accelerators, venture capitalists and investors, in a bid to secure funding as well as partnership and collaboration opportunities.

INSPIRING THE NEXT GENERATION OF DEEP TECH ENTREPRENEURS

In his opening speech, NUS Associate Vice President (Enterprise) Associate Professor Benjamin Tee, emphasised the programme's core mission, "The ultimate goal of GRIP is to nurture university talents in their quest to become successful deep tech start-up entrepreneurs."

At the event, Assoc Prof Tee also introduced a new programme, GRIP Prime, that offers early exposure for applicants to explore product-market fit and enable them to avoid the most common pitfalls at an early stage. The programme will also increase the scale and accessibility in deep tech entrepreneurial training across the University, said Assoc Prof Tee.

Associate Professor Benjamin Tee, Associate Vice President (NUS Enterprise) giving his opening speech at GRIP Lift-Off Day.

UNVEILING REVOLUTIONARY INNOVATIONS

The pitching session took centre stage at the GRIP Lift-Off Day, where the start-ups showcased their innovative solutions in a bid to secure funding as well as partnership and collaboration opportunities.

Among the notable start-ups, Circrete stood out with its mission to decarbonise the construction industry and reduce its environmental impact. By revolutionising the carbon-intensive cement production process, Circrete produces durable green cement from upcycled local waste marine clay. This breakthrough technology reduces the carbon footprint by up to 70 per cent and transforms waste clay into a valuable resource, revolutionising traditional cement production methods.

The breakthrough technology by Mr Pang Sze Dai, CTO of Circrete (extreme left) and his team revolutionises the carbon-intensive cement production process by producing durable green cement from upcycled local waste marine clay.

red hot

Another remarkable start-up was the return of GRIP alumni, ArmasTec™, which specialises in fabric-based exoskeletons. Their flagship product, the AireLevate™, reduces the physical strain on workers who regularly lift heavy loads, without compromising comfort and flexibility.

ArmasTec's proprietary fabric technology reduces back muscle load by close to 50 per cent, providing an ergonomic and comfortable experience for users. The start-up launched their first paid deployments in June 2023. They are also finalising a partnership with a major healthcare provider to develop an AireLevate™ suit for nursing, followed by deployments in hospitals.

Mr Rainier Natividad, CEO of ArmasTec™, with their flagship product, the AireLevate™.

Ms Joanne Lee, Chief Marketing Officer of Softlabs, sharing the features of their innovative haptic gloves with a participant at the event.

FOSTERING COLLABORATIONS AND CONNECTIONS

Through their captivating pitches, the start-ups demonstrated the remarkable progress and deep determination honed, in part, due to the nurturing and guidance provided by GRIP.

The participating start-ups also showcased their innovations at the event booths. Additionally, they had the opportunity to further engage and explore potential collaborations with fellow entrepreneurs, venture capitalists, incubators, industry players, and other stakeholders at a networking lunch and a one-on-one online networking session.

To aid the GRIP founders as they build the next tech unicorn, the teams will continue to receive incubation support for a further nine months through mentorship, co-working spaces and other forms of assistance after Lift-Off Day.

Ms Karen Wai, a seasoned industry veteran and commercial champion to the GRIP team Picopoint Genomics who has been involved in the programme's previous editions, offered her observations of how teams have evolved over the years. "The teams have become savvier in terms of their expectations. They come into the programme with clear expectations, and these expectations are met as the programme provides a well-structured framework."

Reflecting on the success of the ninth run of GRIP Lift-Off Day, Mr Kevin Leung, Acting GRIP Director, shared that in the upcoming runs of GRIP Lift-Off Day, attendees can expect "a powerful convergence of deep tech innovation and sustainability-driven solutions that deliver societal impact".

> **"We are committed to empowering start-ups that are not only disrupting industries but also driving positive change for a sustainable and inclusive future."**
>
> **MR KEVIN LEUNG**
> Acting GRIP Director

The MOU was signed by Professor Tan Eng Chye, President of NUS (centre); Professor Ho Teck Hua, President of NTU (extreme left); and Mr Russell Tham, Head of Emerging Technologies and Joint Head of Enterprise Development Group (Singapore) of Temasek (extreme right).

Temasek, NUS and NTU to invest S$75 million to support deep tech ventures

Temasek, NUS and NTU signed a Memorandum of Understanding (MOU) on 12 September 2023 to embark on a joint S$75 million pilot programme that aims to accelerate the creation of successful deep tech start-ups from the pipeline of research at the two universities.

As part of the MOU, NUS and NTU will also develop a common Intellectual Property (IP) licensing framework, which will expedite the IP licensing process and translation of university technologies for spin-off companies. The outcome will be a shorter process of one month, instead of the usual period which can take up to five months.

Temasek will invest S$65 million, mostly through Xora Innovation (Xora), an early-stage deep tech investing platform of Temasek, into the deep tech start-ups, while NUS and NTU will each invest S$5 million in this effort. Temasek and Xora will collaborate with the two universities to launch and build globally competitive ventures with strong potential to address large global market opportunities in areas such as Energy Transition, Biotechnology, and the Future of Compute and Cognition.

Professor Tan Eng Chye, President of NUS, said, “The collaboration sees us synergising our expertise and resources to create opportunities for applications of emerging technologies and empower start-ups and companies to create positive societal impact and economic growth through innovation. NUS is excited to leverage our rich expertise and experience in entrepreneurship and innovation to help mature our deep tech ecosystem, and facilitate and accelerate IP commercialisation through the framework.”

The NUS Enterprise Summer Programme (NUSSP) gathers its largest-ever student cohort, hailing from 20 countries including Argentina, Australia, Austria, Brazil, Brunei, Cambodia, Chile, China, Colombia, France, Germany, India, Indonesia, Japan, Malaysia, Myanmar, Philippines, Singapore, Thailand and Vietnam.

NUS Enterprise Summer Programme in Entrepreneurship 2023

Fueling entrepreneurial dreams in ASEAN's start-up scene

During one of the learning journeys, participants visited Google's Singapore office and had the opportunity to engage with esteemed speakers who shared insights on fostering innovation within large corporations.

Picture this: a team shaking up the whole takeout scene by creating sustainable, low-cost packaging made from natural materials. On another front, there is a group with their "Raga Arm", a nifty prosthetic equipped with versatile gripping technology and an adaptable socket system. This ingenious creation is all about improving accessibility and job opportunities for persons with disabilities. What about a leasing service platform that ditches the costly and wasteful hassle of buying things you only need short-term? Need hiking shoes for the weekend? Or a bed for your friends crashing over? Just rent them.

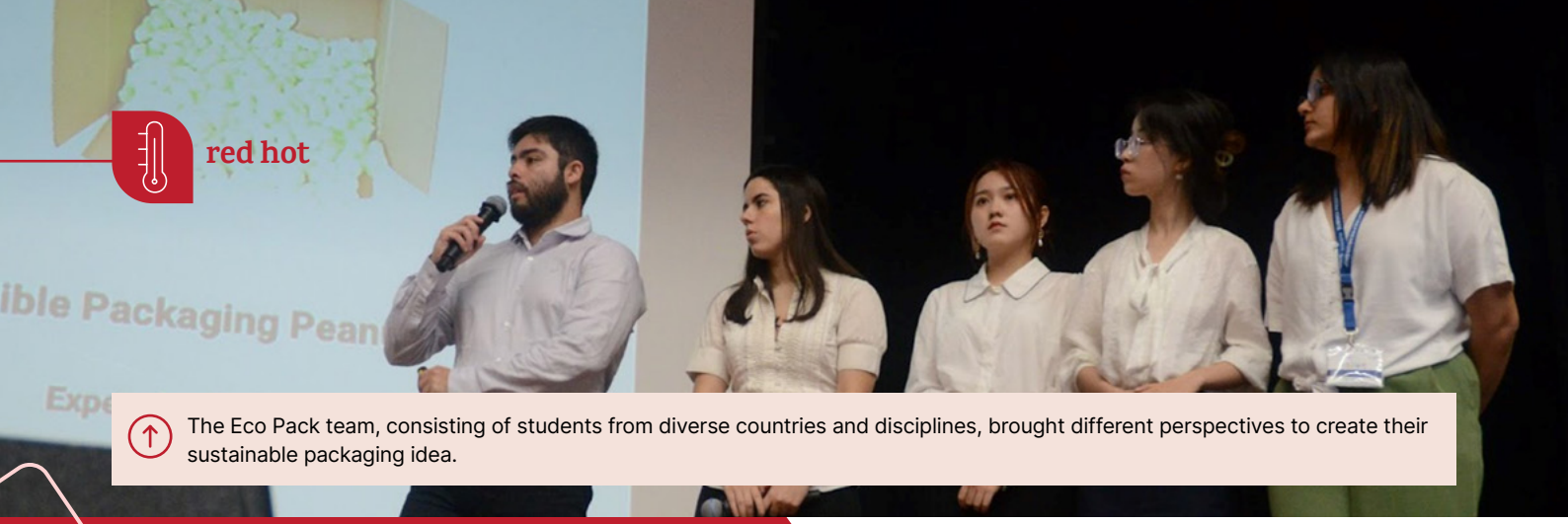
These were some of the top ideas from the NUS Enterprise Summer Programme in Entrepreneurship 2023, which garnered a record cohort of nearly 300 students from 20 countries including Argentina, Australia, Austria, Brazil, Brunei, Cambodia, Chile, China, Colombia, France, Germany, India, Indonesia, Japan, Malaysia, Myanmar, Philippines, Singapore, Thailand and Vietnam. Held over two exhilarating weeks from 10 to 21 July 2023, NUSSP 2023 was hosted by NUS Enterprise and supported by longstanding partner Temasek Foundation, and esteemed collaborators like the Vietnam National Innovation Centre, Aichi Prefecture, Tarumanagara Foundation, the University of Brunei Darussalam and the Pontifical Catholic University of Chile.

The panel discussion on "The New Frontier: Opportunities in the Southeast Asia Start-up Ecosystem" gathered industry experts from the government, start-up and VC sectors (from left): Thaddeus Koh, Co-Founder, e27; Julian Koo, Assistant Vice President, Singapore Economic Development Board; Felix Tan, Co-Founder, Skilio; Leung Puiyan, Partner, Vertex Ventures Southeast Asia & India; and Daryl Chung, BD Director, JDI (moderator).

As participants immersed themselves in the programme, they gained valuable insights into the core concepts of innovation and entrepreneurship, including an understanding of start-up ecosystems in Singapore, Southeast Asia and beyond. For example, the panel discussion, "The New Frontier: Opportunities in the Southeast Asia Start-up Ecosystem", offered key insights into the unique prospects the region presents. In another fireside chat with Mr Foo Jixun, Global Managing Partner, GGV Capital, he emphasised that achieving success in entrepreneurship involved introspectively questioning "Why you? Why now?". He urged the young leaders in the audience to recognise the importance of seizing opportune moments to capitalise on market possibilities in today's dynamic landscape.

Connecting with founders from NUS Enterprise's own start-up ecosystem at BLOCK71 Singapore.

Moreover, participants ventured beyond the classroom and embarked on learning journeys to renowned companies such as Google, Huawei, Microsoft, and Sea Group, gaining valuable first-hand insights into their operations and innovations. The visits to BLOCK71 Singapore, NUS Enterprise's tech start-up ecosystem builder, as well as NUS-affiliated start-ups like Carousell and ShopBack were particularly noteworthy, showcasing the immense potential of start-ups incubated by NUS Enterprise that have now become industry juggernauts.



The Eco Pack team, consisting of students from diverse countries and disciplines, brought different perspectives to create their sustainable packaging idea.

This year's programme also marked a significant milestone as it partnered with organisations such as NUS Technology Transfer and Innovation (technology translation and commercialisation arm of NUS), Prudential Innovation Hub and the Singapore Centre for Social Enterprise (raiSE) to provide participants with the chance to address real-world problems and pitch their solutions to investors and venture capitalists. The problem statements covered critical issues such as enhancing financial literacy for young adults and improving mental well-being among youths in Singapore. This partnership provided a launchpad for students to further develop their ideas and participate in the respective corporate challenges, making a lasting impact in the entrepreneurial landscape.

Throughout the intensive two-week programme, they collaborated in teams and applied their newfound knowledge to develop entrepreneurial ideas. The outcomes were exceptional, with diverse concepts ranging from eco-friendly packaging to affordable prosthetics for persons with disabilities.

Forming life-long friendships and connections with international friends, entrepreneurs and stakeholders from the start-up ecosystem.

At the heart of NUSSP 2023 was a celebration of diversity, promoting cross-cultural exchange and valuing different perspectives. With students from various international backgrounds, their strong camaraderie, built through team bonding activities, played a pivotal role in the programme's resounding success. The Amazing Race led participants through Singapore's iconic landmarks where they engaged in challenges that offered an introduction to Singaporean culture, while the Dragon Boat race taught teamwork and adaptability — essential skills for their entrepreneurial journey.

The programme's conclusion left participants with a wealth of knowledge and skills about the start-up ecosystem, empowering them for their entrepreneurial ventures and the possibility of new friendships, ideas and collaborations.

Winning ideas

ECO PACK is tackling the issue of takeout containers contributing to global plastic waste and greenhouse gas emissions. They plan to solve this by creating affordable, eco-friendly packaging made from dried cochayuyo, lemon, rice and water. While the pro duction cost of their packaging is a bit higher than traditional Styrofoam, its environmental footprint is significantly smaller. By employing existing air-based insulation technology, their packaging emits less than a third of the greenhouse gases produced by Styrofoam containers.

LOCALVIBE is developing a platform that fosters community connections to address the serious health risks linked to loneliness and isolation. Users can connect with neighbours for assistance, engage in local events, purchase second-hand items and request home services. This cohesive framework bolsters community empowerment and inclusiveness. Moreover, the platform welcomes local businesses to promote and offer their services, fostering a seamless space for users to explore and purchase products.

POC is addressing the widespread issue of lipohypertrophy, which affects 64% of self-injecting patients due to repetitive insulin injections at the same spot. This condition involves fatty lumps retaining a significant amount of injected insulin, resulting in complications like hyperglycemia, misdiagnosis, and frequent medical visits, impacting both health and finances. POC's inventive solution introduces an add-on device that subtly marks injection sites, detectable through UV light. This tracking mechanism prevents the recurrence of injections at the same site, improving patient outcomes.

EMOT introduces a bracelet that continuously monitors vital signs. This data is seamlessly transmitted to the user's phone and later to the cloud for AI-driven analysis. The outcomes are showcased on EMOT's app, where individuals receive mental wellness solutions in the presence of potential mental concerns or guidance for maintaining mental well-being.

KARLA BIONICS introduces the "Raga Arm", an affordable groundbreaking prosthetic incorporating Versatile Gripping Technology (VGT), Adaptable Socket System (ASS) and Drum Prosthesis abilities. This innovation addresses the needs of underprivileged individuals with disabilities through improved accessibility and job opportunities.

SKYRENT introduces a leasing service platform that tackles the drawbacks of expensive and wasteful short-term purchases. Whether it's renting hiking shoes for a weekend adventure or providing a bed for visiting friends, their approach champions an eco-friendly lifestyle by reducing waste associated with transient acquisitions. Through their "buy less, rent more" model, Skyrent encourages sustainable choices.

BUDGE offers an all-encompassing benefits platform targeting companies aiming to enhance employee productivity and engage young individuals. The user-friendly mobile app aids employees in expense tracking, savings and offers customised financial advice and rewards for positive financial behaviour, such as insurance coverage or donations. It stands out by offering expense and goal tracking, investment and insurance advice, along with rewards and consultation services — features absent in competitors.

SOLACE offers a free web application offering expert connections, mentorship and well-being activities like yoga and meditation. It creates a supportive environment where users can openly address mental health, receive professional help and connect with a community, overcoming fears and vulnerabilities.

VCARE is addressing the pressing challenges of elevated social isolation among the elderly and heightened homesickness among international students, both contributing to escalated mental health concerns. Through the creation of inclusive and secure virtual communication spaces, designed for meaningful and psychotherapeutic interactions, VCare strives to mitigate these issues using VR technology.

Teams from Bell Living Lab, ArmasTec and Nanomatics emerged as winners of the inaugural NUS-JWC Alpha Ventures iGnite Award.

Inaugural iGnite Award 2023

EMPOWERING THE NEXT GENERATION OF NUS-AFFILIATED IMPACT START-UPS

A start-up catalysing waste reduction for positive sustainability impact. An innovative venture that manufactures body-assistive apparel using patented fabric-based air-spring technology to reduce muscle effort and potential injury when doing physical work. A research-based company that collects and transforms organic waste from farmers into an array of sustainable alternative materials.

These were the NUS-affiliated start-ups recognised for making significant environmental, social or sustainability-related impacts at the iGnite Award, organised by Alpha JWC Ventures in partnership with NUS Enterprise. The iGnite Award is the flagship start-up support programme of Alpha JWC Ventures, designed to nurture the next generation of impact-driven founders. Through their partnership with NUS, the award now extends its support to recognise and empower promising early-stage impact start-ups affiliated with NUS, enabling them to create a lasting positive impact on communities.

> **“At NUS Enterprise, we strive for our start-ups to be more than just doing something good; we also want them to excel and do what is right. With the iGnite Award, our NUS-affiliated start-ups will get the support to improve their solutions and extend their positive impact on the environment, communities and the world,”**
>
> **MR BRIAN KOH**,
> Director of Ecosystem Development, NUS Enterprise.

Six NUS-affiliated impact start-ups pitched their innovative solutions to a distinguished panel of judges (from left to right): Mr Brian Koh, Director of Ecosystem Development, NUS Enterprise; Mr Jefrey Joe, Managing Partner, Alpha JWC Ventures; and Mr James Tan, Chairman, Action Community for Entrepreneurship (ACE).

When the call opened in May this year, the iGnite Award received many impact start-up applications from diverse industries, all with a focus on the Sustainable Development Goals (SDGs). Out of these, six start-ups advanced to the grand finals on 26 July 2023, where they presented their transformative solutions to a distinguished panel of judges representing pioneers in the start-up space: Mr Brian Koh, Director of Ecosystem Development, NUS Enterprise; Mr Jefrey Joe, Managing Partner, Alpha JWC Ventures; and Mr James Tan, Chairman, Action Community for Entrepreneurship (ACE).

ArmasTec, Bell Living Lab and Nanomatics were crowned winners of the iGnite Award, each receiving up to US$40,000 in prize money. They will also benefit from added support and mentorship from NUS Enterprise, gaining access to diverse resources, networking opportunities and the guidance of experienced mentors.

Learn more about how these three winning start-ups of the iGnite Award are making an impact from driving sustainability to revolutionising the way people move and work:

1

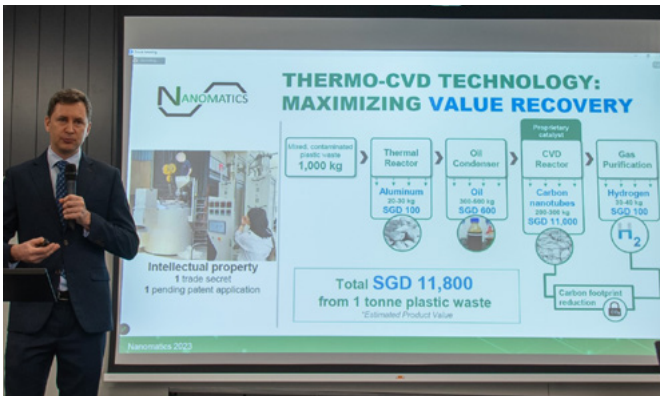
ARMASTEC is a start-up founded by NUS alumni Rainier Natividad and Serene Wong. Hailing from the NUS Graduate Research Innovation Programme (GRIP), the company specialises in comfortable and efficient body-assistive apparel. Their flagship product, the AireLevate™ base suit, features a state-of-the-art fabric powered by air-regulated muscles designed to assist with manual handling activities in the logistics and healthcare industries. The innovative suit reduces the lower back effort required for lifting objects by up to 55 per cent.

2

Incubated at BLOCK71 Bandung, **BELL LIVING LAB** is dedicated to recycling agro-waste such as fruit waste and coconut fibre using microbe technology. What sets their process apart is its simplicity, efficiency and scalability, making it suitable for implementation in both laboratories and homes. Beyond being eco-friendly, the venture also embraces a social business approach. By partnering with local villagers in Cidaun, Cianjur, West Java, who have faced inconsistent earnings, the start-up provides them with essential training on material production. These eco-friendly materials then serve as substitutes in the textile industry, currently dominated by non-environmentally friendly products that often harm the environment during production.

3

NANOMATICS, an alumnus of PIER71's Smart Port Challenge, takes on the complex task of addressing the challenges in plastic recycling. With over 90 per cent of plastics being non-recyclable due to contamination and processing complexities, recycling has remained economically unviable. However, this start-up aims to make a positive sustainability impact through advanced thermal technologies. Unlike conventional chemical recycling, their innovative thermal process converts plastic waste into high-value products like oil, solid carbon and hydrogen, enabling more effective recycling and contributing to sustainability efforts.



UNLOCKING SLEEP'S MAGNETIC SECRET
THE M.I. CLOUD INNOVATION

In the realm of cutting-edge science and unexpected discoveries, one start-up stands out: M.I. Cloud Technologies. This innovative company has tapped into the intriguing power of magnetic interference, offering a fresh perspective on how we can improve our lives. Beyond the conventional, M.I. Cloud's magnetic technology holds the promise of reshaping our world, from enhancing our sleep quality to relieving pain and more. In this story, we delve into the fascinating journey of this start-up, exploring how their unconventional approach is making a real impact.

INNOVATING SLEEP FOR A RESTFUL WORLD

One of M.I. Cloud's standout innovations addresses a prevalent modern concern – sleep. In today's fast-paced world, it's increasingly common to encounter individuals grappling with sleep-related issues. Enter M.I. Cloud, founded by the visionary duo of Zaid Ahmed Khan and Paige Yang Ping, who dared to think beyond conventional solutions.

M.I. Cloud introduces an extraordinary concept known as the "magnetic interference cloud." This groundbreaking technology alters the spin of electrons, influencing the intermolecular forces within liquids. Compressed into compact devices, this innovation, when placed near the body, enhances blood circulation. This results in improved sleep quality and reduced snoring. Placed under the pillow, it effectively improves blood circulation in the palate, toning up muscles, and opening air passages, a key to relieving snoring and enhancing sleep quality.

While the market offers various remedies for sleep disorders, M.I. Cloud takes a unique approach by targeting the soft palate in our throats, where the root of the problem often lies. Zaid explains, "When we sleep, the soft palate falls down and blocks the passage, creating the snoring sound. Moreover, it reduces our blood oxygen levels, so people still feel tired even when they think they have slept enough."

FROM FISHERMAN'S DISCOVERY TO INNOVATIVE SOLUTION

The origin story of this technology adds a delightful twist to its evolution. Paige's initial research focused on food preservation, with the device's ability to lock in moisture. The devices found their way into the hands of fishermen in Singapore, who, to their astonishment, witnessed the remarkable freshness of their catch. Intrigued by the device's potential, one fisherman placed it under his sleeping bag and experienced newfound vitality. Thus, the idea that this innovation could improve sleep and reduce pain was born.

While the core technology remains the same, M.I. Cloud has developed smaller versions for targeted pain management. These miniature marvels can be clipped onto various parts of the body, alleviating discomfort and enhancing blood circulation. The start-up is testing with a sports company, embedding the devices into wrist guards for added protection during strenuous exercise.

Zaid also mentioned that it was very encouraging to receive testimonials from clients and customers who have tried M.I. Cloud's products. He shared an example from InnovFest, where a lady from Brunei explained that she used to take sleeping pills to fall asleep. After using M.I. Cloud's product for a few nights, she sent a message stating, "I have used it for 8 days, and I no longer need the sleeping pills anymore." She also expressed her interest in becoming a primary distributor for Brunei," said Zaid.

FROM CORPORATE WORLD TO START-UP SUCCESS

Zaid shared with us on how he transitioned from a six-year corporate stint, to seek a more fulfilling path. His journey led him to meet his co-founder Paige, at the NUS Masters of Science in Venture Creation (MSVC) programme, where they found the compelling vision of M.I. Cloud. "I never imagined I would be working on this; I had fully planned to return to my old company," Zaid reflects.

M.I. Cloud's journey began with GRIP (Graduate Research Innovation Programme) and has found its incubation home at The HANGAR, an initiative by NUS Enterprise. The company values the support and facilities provided by NUS Enterprise, emphasising the importance of trust in building relationships with larger corporations. "I appreciate all the facilities that NUS Enterprise has provided for us. The management support also keeps us updated on the latest events and collaboration opportunities. I particularly value the location of HANGAR within NUS. The reason behind this preference is that we aim to position ourselves as a B2B company, serving as a technology provider. Given our status as a small company, larger corporations may initially be hesitant to trust us. However, by establishing our presence within NUS and being located inside the university, when we invite them to The HANGAR, it instils a strong sense of trust in them, assuring them of our reliability" shared Zaid.

As M.I. Cloud continues to make waves in the world of innovative technology, its magnetic interference cloud remains a symbol of transformation. With a commitment to enhancing sleep, reducing pain, and improving lives, this startup is destined to leave a magnetic mark on the future.

Micro Mobility Marvels

MIMO MOTOR

In a world seeking sustainability at every turn, MIMO Motor emerges as a dynamic force, set on revolutionising the urban commute. Led by founder Witono Halim, this start-up is on a mission to redefine how we move in cities, one electric ride at a time.

Witono Halim (NUS Mechanical Engineering, Class of 2010), the brains behind MIMO Motor, isn't your average engineer. He's a dreamer, a designer, and a researcher, and he's been on a remarkable journey since 2010. Partnering with prestigious institutions in both Singapore and Germany, he poured years of dedication into shaping the future of electric transportation. That journey reached its zenith with the birth of MIMO Motor, a tight-knit team of innovators determined to transform Witono's dream of eco-friendly commuting into reality.

NAVIGATING URBAN JUNGLES MADE EASY

MIMO Motor is all about breaking down the barriers to smooth, sustainable urban travel. Their innovative line of products aims to reward eco-conscious commuters with cost savings and exhilarating performance. At the forefront of their groundbreaking creations is the MIMO C1, a cargo e-scooter that's not just award-winning but also the world's very first foldable cargo e-scooter.

The MIMO C1 is equipped with a customised motor and controller to effortlessly conquer even the steepest hills. These scooters are built to withstand the test of time, armed with swappable batteries sporting Samsung 35E cells, ensuring you're not just traveling green but also traveling smart. Now, let's talk about transformation. In the blink of an eye – just three seconds to be exact – the MIMO C1 morphs into a push trolley. Picture this: you're gliding along the streets, and suddenly, you need to run a quick errand like grocery shopping. No problem. You switch effortlessly from rider to pusher, seamlessly navigating through tight spots and narrow aisles. It's not just convenient; it's liberating.

AN ELECTRIC VISION

Witono's journey into sustainable transportation began in his childhood. His daily ritual involved pedalling to school on a bicycle, a habit instilled by his early exposure to global energy and waste challenges. He made a persona promise: "I told myself that I would not drive a car until I built my own electric vehicle" said Witono. As he embarked on his undergraduate journey at NUS in 2006, he became a vital part of the NUS Eco Car team, playing a pivotal role in crafting the university's first electric car. The driver's license came, as did involvement in several projects funded by the National Research Foundation.

Witono's realisation that electric cars faced an uphill battle in becoming viable business ventures led to his exploration of micro-mobility solutions. Long before e-scooters became a sensation in Singapore, he pondered making electric scooters and bicycles more portable, more micro – something you could carry with you wherever you go. That's how MIMO, short for micro-mobility, was born. "We looked at the vehicles crowding the streets and studied the daily transportation grind. Regardless of how fancy the car, traffic remained an issue. We yearned for something smaller, like a bicycle or motorcycle, but without the parking woes. Our goal? A portable solution that combined the perks of a cargo scooter and a trolley, addressing multiple transportation conundrums from the start to the finish line," Witono passionately recounted. MIMO's cargo e-scooter is tailor-made for bustling megacities, with its compact frame and nimble turning radius setting it apart from conventional cargo bikes. It represents a giant leap toward making urban travel not only sustainable but also hassle-free.

As a start-up founder, Witono openly shares the challenges, particularly in the hardware sector. He points to the limited infrastructure for hardware startups in Singapore, necessitating global partnerships for manufacturing and supply chain logistics. But for him, the magic lies in working with fresh, vibrant minds. He finds solace working at The HANGAR, where the environment is closer to academia and away from the harsh corporate world. In Witono's words, "Coming out of NUS, I relish the opportunity to collaborate with young, innovative minds. Here, we're shielded from the politics and rigors of the outside business world. It's invigorating to work in an environment filled with optimism."

MIMO Motor, under the inspired leadership of Witono Halim, continues to push the boundaries of sustainable urban mobility. They offer a glimpse of a future where eco-conscious commuting isn't just a choice; it's a thrilling way of life.

GREEN COP Transforming Biowaste into Biofuels for a Sustainable Future

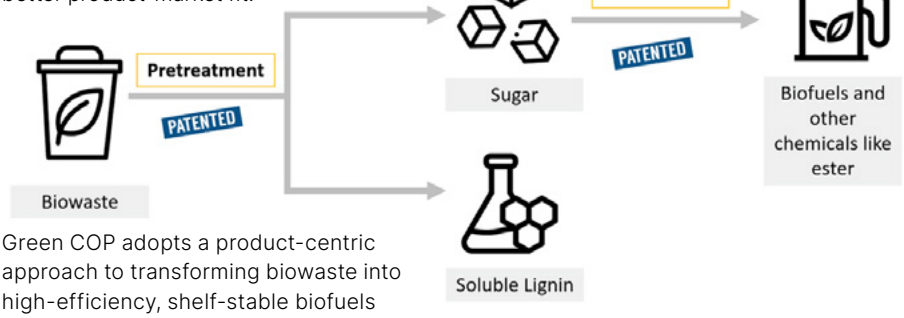
In the bustling heart of Singapore, a pioneering start-up, Green COP, stands at the forefront of innovation in the realm of sustainability with its biofuel solutions. It all started with Dr Hanson Lee (NUS Chemical and Biomolecular Engineering, Class of 2023), whose early experiences with waste management and eco-conscious upbringing ignited a passion for recycling and upcycling. Formerly an aspiring educator, Hanson has now taken on a new role: educating the world about sustainability and decarbonisation through smart technology and waste transformation.

GREENCOP

The company's logo, an artful amalgamation of a leaf and an ear, symbolises their commitment to transforming biowaste into biofuels while actively listening to provide the best solutions. Hanson added, "The chosen blue and green tones represent our dedication to nature — the ocean and the forest — and underpins our core principle of sustainability."

What began as Hanson's PhD research project in 2019 swiftly gained momentum. Securing a patent for his innovative pretreatment formulation and fermentation process that converts biowaste into biofuels was just the start. He later discovered the NUS Graduate Research Innovation Programme (GRIP), which served as a bridge by propelling his idea from lab to market. Together with his two co-founders, Yee Ching, a like-minded university course mate with a Business Development background, and Wang Chang, a seasoned chemist with a knack for entrepreneurship whom he crossed paths with during postgraduate studies, the trio embarked on a journey of extracting value from biowaste. The team also received support from Prof He Jianzhong (NUS Civil and Environmental Engineering), A/P Yang Kun-Lin (NUS Deputy Head of Academic and Student Affairs) and A/P Zhou Kang (SIT Food, Chemical and Biotechnology). This idea, influenced by Hanson's zero-waste upbringing, laid the foundation for Green COP's mission to address two pressing global challenges: to reduce carbon emissions and biowaste accumulation in landfills.

Their journey continued through participation in other start-up programmes, including the Shell Start-up Engine. However, the onset of the COVID-19 pandemic posed unprecedented challenges. With the market and sustainability interests dwindling, Green COP sought guidance from NUS Enterprise, which led them to PIER71™, a hub where entrepreneurial minds converge to reimagine solutions for the maritime industry. Their participation in the Smart Port Challenge 2022, where they secured the runner-up position, steered them towards a strategic pivot. Recounting their turning point, Hanson shared, "With the valuable insights, connections and grant support provided by PIER71™ and the Maritime and Port Authority of Singapore (MPA), we transitioned from waste valorisation to decarbonisation and sustainability within the maritime sector. This also aligned seamlessly with Singapore's Green Plan 2030, resulting in a better product-market fit."



Green COP adopts a product-centric approach to transforming biowaste into high-efficiency, shelf-stable biofuels using proprietary technology. Their revolutionary pretreatment process is 50% faster and non-energy-intensive compared to existing industrial methods. The fermentation process, uniquely aerobic, eliminates the need for purging. These attributes allow for seamless integration into existing infrastructure, aiding the transition to sustainable energy solutions and contributing to up to 30% reduction in NOx emissions.

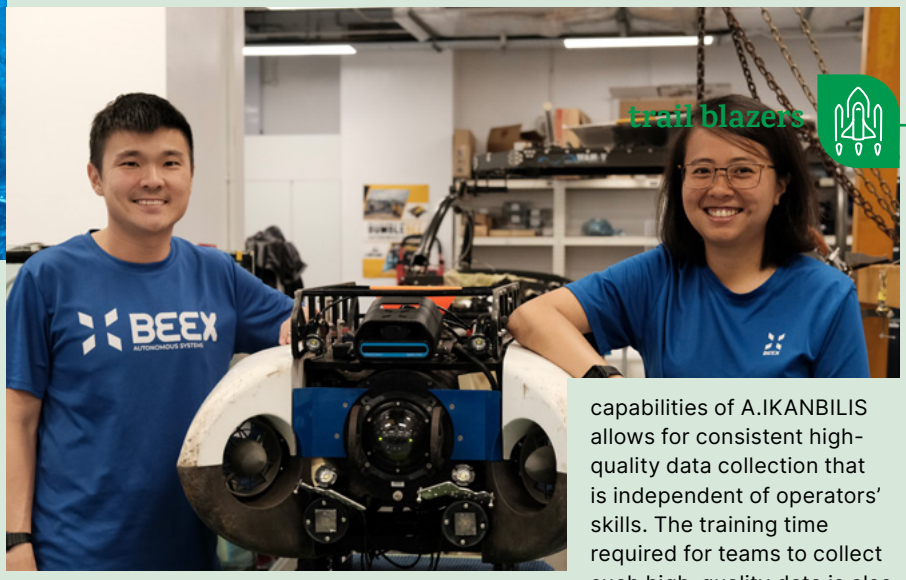
Green COP aims to do more than just innovate; they aspire to drive change. Their goal is to inspire individuals, businesses, governments and corporations to collaborate in creating a greener, more sustainable future. They firmly believe that collaboration is key to making a real impact. Through strategic partnerships, Green COP envisions broadening their global footprint, fostering connections across diverse regions and audiences, all to catalyse the adoption of biofuels as a practical energy alternative. With the industry's capital-intensive demands and the need for more biowaste, Green COP is also eyeing expansion beyond Singapore, potentially reaching into Malaysia, Indonesia and China.

From biowaste to marine biofuels, Green COP's journey underscores the profound impact that can arise from a singular idea fueled by a collective drive for a more sustainable world.

Find out more at: **greencop.sg**

BEEX

Navigating New Depths with Autonomous Underwater Vehicles



At the heart of technological innovation lies BeeX, a deep tech engineering spin-off from the National University of Singapore (NUS), that has flourished under the wings of the NUS Graduate Research Innovation Programme (GRIP) and maritime innovation ecosystem builder PIER71™. BeeX's journey began as a student research project helmed by Grace Chia (NUS Mechanical Engineering, Class of 2014) and Goh Eng Wei (NUS Computer Engineering, Class of 2013) during their time at NUS in 2008. Over the years, BeeX has evolved into a formidable crew of fourteen, united by a shared mission to revolutionise underwater inspections through the power of Autonomous Underwater Vehicles.

Looking back on their journey, Grace and Eng Wei fondly recall their participation and achievements in competitions organised by the US Office of Naval Research. These competitions served as platforms for passionate engineers aspiring to build Autonomous Underwater Vehicles when such technology was still a dream. With that same burning passion, they set sail into the corporate world after graduation, where they sold underwater vehicles controlled by humans and sensor payloads. Eng Wei recounted, "We realised that underwater infrastructure inspections were not optimised due to the lack of advanced solutions. While technological advancements soared on land and in the skies, the subsea domain remained stagnant. With a firm belief that autonomy could unlock subsea potential, we founded BeeX with the goal of not only introducing autonomy to underwater depths, but also charting a new course for the underwater industry."

This realisation drove Grace and Eng Wei to a crucial decision — to license their Autonomous Underwater Vehicle technology through GRIP, a step that allowed them to commercialise their innovation. With their technology officially licensed and their dreams beginning to take shape, BeeX's focus shifted towards the market. They embarked on a customer discovery journey through PIER71™'s Smart Port Challenge 2020, assessing how their solutions could find value in the maritime sector. It was during this time that feedback from vessel owners revealed an additional need — underwater inspection for their vessels. This insight sparked the idea of potentially repurposing their technology for the maritime industry, expanding upon their presence in the energy and defense sectors.

The significance of a name is in its vision, and the name chosen by BeeX is no exception. The inclusion of the letter "X" symbolises their pursuit of exponential improvement, acting as a driving force behind their every endeavour. Their logo, representative of their flagship solution A.IKANBILIS, exemplifies their unique approach. Grace explained, "Unlike the conventional torpedo-shaped solutions in the market, our Autonomous Underwater Vehicles can stand firmly anchored on the sea floor at four distinct corners, providing a stable base for precise inspections. The four quadrants in our logo also mirror the four pillars of BeeX's strategy: hardware, software, analysis, and the promise of exponential growth."

Central to BeeX is their groundbreaking creation: A.IKANBILIS. Operating in more than five countries worldwide, A.IKANBILIS is a fleet of six Hovering Autonomous Underwater Vehicles (HAUV) that surfs the currents of innovation, akin to self-driving cars but beneath the waves. Leveraging the autonomous capabilities of A.IKANBILIS allows for consistent high-quality data collection that is independent of operators' skills. The training time required for teams to collect such high-quality data is also greatly reduced, enabling their personnel to dedicate more time to data analysis.

Collaborating with global experts from renowned institutions like the National University of Singapore, Agency for Science, Technology and Research (A*STAR) and Technology Centre for Offshore and Marine (TCOMS) based in Singapore, the University of Strathclyde and the University of Southern Mississippi, BeeX continues to push boundaries, expand possibilities, and redefine the underwater industry.

In 2024, BeeX is set to launch BETTA, an upgraded version of the HAUV, with improved capabilities to tackle even harsher underwater conditions. BETTA's advanced features will significantly expand its operational range, empowering BeeX to undertake underwater inspections of hundreds of wind farms by 2027.

When asked about advice for aspiring entrepreneurs, Grace shared, "Carefully consider the problem you want to solve, have a strong passion to solve it, and fully commit to finding the best solutions." Indeed, passion and a profound understanding of industry challenges are the driving forces behind success.

Find out more at: **beex.sg**

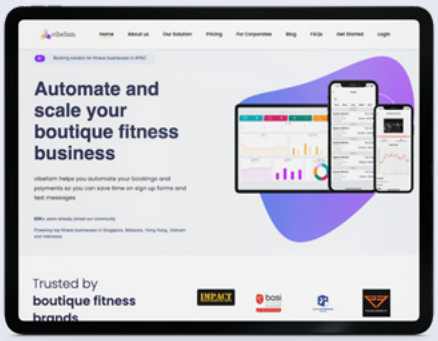
New Year, New You 4 Start-Ups Redefining Personal Growth and Wellness

As the year draws to a close, it's that time when we reflect on our accomplishments and set our sights on new goals for the coming year. With the dawn of 2024 just around the corner, it's the perfect moment to consider how innovative products can enhance your life and propel you into a "New Year, New Me" journey. Here are five remarkable start-ups to kickstart your transformation!

Vibefam

Your Fitness Buddy

Embrace renewal on your "New Year, New Me" fitness journey with Vibefam, a start-up simplifying booking and payments. It saves time, making scheduling and paying for workouts worry-free. Enjoy affordable last-minute class slots, seize spontaneous fitness opportunities, and access localised payment options for a streamlined experience. Say goodbye to booking hassles and hello to a better fitness journey with Vibefam.



Laila Learns

Unleash your curiosity

Embrace self-improvement with Laila Learn, your personalised learning platform. Explore topics you love, from sports to politics. Make language learning engaging. Cultivate lifelong learning, shaping the "New You" with Laila Learn. Explore, acquire skills, and evolve with Laila Learn as your guide.

The moonbeam co.

Sustainable Goodness

In your pursuit of a sustainable lifestyle, consider The Moonbeam Co. This innovative start-up transforms unused resources into nutritious snacks, combating food waste while boosting your diet's healthiness. Their snacks are protein and fibre-rich, free from refined sugar or preservatives. Traditionally discarded due to poor texture, these grains are packed with protein and fibre. Their innovative transformation into a crisp texture akin to oats significantly reduces food waste and addresses food security. Supporting The Moonbeam Co. means nourishing yourself and championing sustainability!

Curated Culture

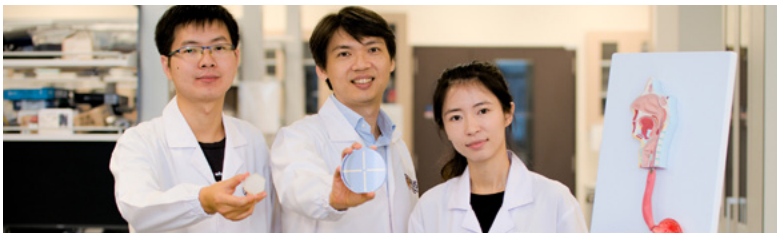
Delicious Wellness

As you strive for a healthier lifestyle in the "New Year, New Me" journey, discover the transformative power of Curated Culture. And the best part? You don't have to compromise on flavour. This innovative brand crafts a range of aromatic probiotic drinks through a combination of meticulous science and curation. Savour the goodness of their cold brew teas – a symphony of organically sourced tea leaves, plant-derived sweeteners, and science-backed probiotics. With zero sugar, dairy or gluten, Curated Culture's Probiotic Tea is the ideal companion for your wellness goals. With a daily dose of Lactobacillus acidophilus NCFM probiotics, supported by extensive scientific research, Curated Culture empowers you to take charge of your health and embrace the year ahead with vitality and balance all without sacrificing the taste!

NEWSFEED

Congratulations to food sustainability advocate **Preston Wong** for his remarkable achievement as one of the winners of the inaugural Sustainability Impact Awards, organised by The Business Times and UOB. Preston shone in the individual category and was honoured with the prestigious title of Impact Leader of the Year. As the CEO and Co-founder of **treatsure**, a sustainability tech start-up incubated at The Hangar, the National University of S, a sustainability tech start-up incubated at The Hangar, the National University of Singapore alumni has been advocating the reduction of food waste in Singapore, and raising awareness of food sustainability issues.

Associate Professor Benjamin Tee (centre), together with Dr Cheng Wen (left) and Ms Wang Xinyu (right), have developed a novel aero-elastic pressure sensor, called '**eAir**'. This technology promises increased precision and reliability, and can be applied to minimally-invasive surgeries and implantable sensors. The **eAir** sensor promises increased precision and reliability across medical applications. It can potentially transform laparoscopic surgeries by enabling tactile feedback for surgeons, allowing more precise manipulation of patient tissues. In addition, the sensor can improve patient experiences by offering a less invasive means of monitoring intracranial pressure (ICP), a key health metric for individuals with neurological conditions.



Celebrating 21 years of collaboration between the National University of Singapore (NUS) and Stanford Center for Professional Development! **NOC Silicon Valley**, which started in 2002 and is now in its 21st year, brings students from NUS to work and study in Silicon Valley, with the option of taking courses at Stanford University. The programme is part of a larger NUS global entrepreneurship program called NUS Overseas Colleges (NOC), sending students to innovation hubs around the world. Students complete year-long internships at local companies and take courses at nearby universities.

Teredo Analytics, a deep tech engineering start-up from NUS Graduate Research Innovation Programme (GRIP), had a remarkable double win in the Jurong Lake District (JLD) Innovation Challenge and the Mandai Co-innovation Programme 2023. In the JLD Innovation Challenge, Teredo emerged as 1 out of 8 winners from over 100 submissions with a S$50,000 cash prize. Their solution seeks to automate the traditional way of detecting anomalies through an AI algorithm that is capable of discerning environmental and man-made noise. They also came out as 1 of 4 winners with another S$50,000 on hand tackling a problem statement on Smart Identification & Wildlife Localisation in Rainforest in the Mandai Co-innovation Programme 2023.

The NUS FoodTech Challenge 2023 aimed to promote sustainability in the Asian food market, with students from various universities worldwide gathering to develop innovative food tech concepts. Organised in collaboration with Nestlé and Tate & Lyle, the competition attracted 89 teams, including local and international participants, showcasing a significant increase in global involvement. Two problem statements were presented: one focused on developing healthy snacks for Southeast Asian Gen Z-ers, and the other aimed to enhance food system sustainability in the digital age. The event included a pre-competition workshop, mentoring sessions, and finals judged by industry experts. Winning concepts included adaptogenic mushroom coffee, kefir-based breakfast beverages, and innovative noodles, among others, all geared toward healthier and more sustainable food choices.

To recap past NUS Enterprise events and stay apprised of those upcoming, please refer to the following QR code.

RECENTLY REPORTED FUNDING & ACQUISITIONS IN OUR START-UP COMMUNITY:

- Carousell; US $2.8 million
- NEU Battery Materials: Seed round; $3.7 million
- eFishery: Series D; US $200 million
- Qoala: Series B; US $7.5 million

All info based on public news sources.

useful tinder

beyond fame

unveiling the hidden entrepreneurial side of global and local icons

When the name Jaden Smith comes to mind, you might immediately think of the young actor from "Karate Kid" or his ventures in the music world. But did you know that he's also ventured into entrepreneurship?

jaden smith: JUST water

At just 10 years old, a pivotal moment occurred when he encountered plastic bottles littered across the beach, which deeply troubled him. This catalysed Jaeden's desire to create a better, more environmentally friendly solution, giving birth to "JUST Water" – a brand that, as his father Will Smith put it, was "born out of a child's love for the ocean." This sustainable water company showcases his commitment to making a positive impact on the world, aligning with his broader interests in environmental and social issues.

The carton used to package their water is made of 54% paper, 28% plant-based plastic, 15% protective plastic film, and 3% aluminium making it fully recyclable.

Through JUST Water, Smith has expanded his influence into the realm of conscious business, aiming to raise awareness about the environmental challenges posed by single-use plastic and offering consumers a more responsible choice in packaged water. Currently, JUST Water has a partnership with AllBirds to create an environmentally sustainable sneaker. The sneaker's sales supported the emergency Amazon First Fund, established with $5 million to aid indigenous communities and prevent further devastation from the wildfires in the Brazilian rainforests as reported by Deadline.

All in all, Jaden Smith demonstrates the power of turning a personal concern into a global movement for change.

julie bowen: JBSkrubs

Julie Bowen rose to fame with her role as Claire Dunphy, the hardworking mother of three on the beloved sitcom "Modern Family." Strikingly, this art-imitating-life scenario holds true, as Julie herself is a mother of three. In interviews, she candidly discusses the challenges and humorous chaos of raising her boys, shedding light on the contrasting experiences between her on-screen and off-screen parenting roles.

As her boys enter puberty, Julie Bowen openly acknowledges the heightened challenges in her household, particularly regarding their personal hygiene. She humorously admits to grappling with stronger odours and the difficulty of monitoring their bathroom routines. In her candid interviews, she shares that she even resorts to shouting "Pits, Nuts, Butts" to remind her sons to stay clean. However, she observes that they either fall short in thorough cleanliness or attempt to mask the odours with even stronger fragrances, which doesn't solve the issue. This relatable struggle became the inspiration behind her and her co-founder's venture, JBSkrubs, as they sought to address these hygiene concerns with specialised products with boys in mind.

JBSkrubs presents a five product range featuring subtle fragrances and natural ingredients, a departure from the strong scents in typical men's products. This approach aims to balance pH levels and offer a distinctive grooming experience. The packaging is simple to use and colourful in order to make the experience of self-grooming enjoyable to not just teen boys but everyone.

nicole liel: cuul.sg

Cuuul is a lash and brow salon with Muslimah & Wudhu friendly services and options readily available such as brow bleaching

Nicole Liel, a prominent figure on social media platforms such as TikTok, gained rapid recognition due to her vibrant and lively personality. She made her mark when she casually downloaded TikTok for entertainment purposes. Despite her easy-going online presence, Nicole is also an accomplished businesswoman. She initially garnered attention through her participation in NOC's talent search series. Furthermore, she is the owner of a successful business.

Nicole's journey as an entrepreneur began with offering eyebrow and lash services from her residence in Sengkang. This endeavour was primarily aimed at generating funds to support her university education. Over time, her business expanded, leading her to establish her first studio in Chinatown in March 2021 and have since moved over to Woodlands. The studio specialises in lash, eyebrow, and waxing services.

A unique aspect of Nicole's studio is its commitment to being Muslimah-friendly. This means that the studio caters to the Muslim demographic in Singapore by providing services that align with their religious and cultural practices. The studio offers features that allow clients to comfortably remove their scarves, pray, break their fast during Ramadan, and even provides henna services during Hari Raya, a significant Islamic festival. Nicole ensures clients' comfort by providing dates for them to break their fast, along with wipes and oil-based

perfume for refreshment. Her thoughtful approach fosters an inclusive and welcoming environment.

Nicole's ability to merge her engaging online presence with her success as a business owner is a testament to her entrepreneurial skills and her dedication to creating a space that caters to diverse needs and values. Her journey serves as an inspiration to both her followers and aspiring entrepreneurs alike.

emily tan: itsybitsyspicy

Emily Tan is a lifestyle and family creator who has been uploading videos to share and document her life for 11 years. She and her husband Kenneth had the opportunity to try marinated salmon during one of their travel trips and fell in love with the concept. Collaborating with a chef with over 20 years of Japanese cuisine experience, they took 11 months to perfect their recipe. This culinary journey led to the birth of Itsy Bitsy Spicy, a venture specialising in shoyuzuke, a Japanese technique involving the pickling of salmon in soy sauce.

Their shoyuzuke-marinated salmon has a remarkable shelf life of 2-3 days when refrigerated and an extended 7 days when frozen. This longevity could revolutionise the traditional approach to store-bought sashimi, which typically demands immediate consumption on the day of purchase. Itsy Bitsy Spicy experienced rapid growth and frequent sold-out stock releases shortly after their initial launch, thanks to their unique product. Their presence went viral on TikTok, amplifying their appeal and drawing in a wave of intrigued consumers. This combination of distinctiveness and viral attention has played a significant role in their swift rise.

Bundle of two for $48.80 available on Shopee @itsybitsyspicy

PRENEURIAL SIDE OF GLOBAL AND LOCAL ICONS / BEYOND FAME: UNVEILING THE HIDDEN ENTREPRENEURIAL SIDE OF GLOBAL AND LOCAL ICONS

EPRENEURIAL SIDE OF GLOBAL AND LOCAL ICONS / BEYOND FAME: UNVEILING THE HIDDEN ENTREPRENEURIAL SIDE OF GLOBAL AND LOCAL ICONS / BEYOND FAME: UNVEILING THE HIDDEN ENTREPR

Ready to join our NUS Enterprise entrepreneurship ecosystem?

NUS Enterprise, the entrepreneurial arm of the National University of Singapore (NUS), plays a pivotal role in advancing innovation and entrepreneurship at NUS and beyond.

NUS Enterprise actively promotes entrepreneurship and cultivates global mind-sets and talents through the synergies of experiential entrepreneurial education, active industry partnerships, holistic entrepreneurship support and catalytic entrepreneurship outreach. Its initiatives and global connections support a range of entrepreneurial journeys and foster ecosystem building in new markets. These initiatives augment and complement the University's academic programmes and act as a unique bridge to industry well beyond Singapore's shores.

Learn more about how we can support you in your entrepreneurial journey.

Find out more

Join our events

If you are an entrepreneur affiliated with NUS Enterprise, find out how you can:

Give back to the community

Have a question or a suggestion? Reach out to us at enterprise@nus.edu.sg.

NUS National University of Singapore | Enterprise