ACADEMIC CITY
TECHNOLOGY
DUBAI

The Innspire

Knowledge, Insight, Inspiration, The Innovation Hub

April - June 2022

Introduction

We are excited to bring to you the inaugural edition of our quarterly e-magazine, **The Innspire**. Meaning "Inspiration", the **The Innspire** Mag is your gateway to the latest happenings at Academic City Technology, Dubai. The magazine will feature articles on a diverse range of topics that embody innovation, inspiration, and insight, including interviews with our students, faculty members, industry experts, and vendor partners, as well as the latest TECH-driving developments in the UAE and beyond. The magazine will also feature articles on upcoming events, impact, and the innovation hub.

EVENTS/ACTIVITIES

Sustainable Plastic Waste Recovery and Buy-Back Workshop on World Environment Day

As part of our commitment to the environment, we collaborated with ARM to organize a workshop with Sustainability Assessment, organized in workshop on World Environment Day, June 5th, 2022. The workshop aimed to raise awareness and educate participants on the process of processing them with cascade technology, which is a patented technology that can process any kind of plastic waste, including soft PET, PP, PE, polystyrene, and other plastics, into high-quality products or raw materials. The workshop focused on understanding the impact of plastic waste on the environment and on communities, discussing the current recycling landscape, and highlighting opportunities for women and youth in the recycling industry. The workshop also aimed to raise awareness and promote a sustainable and profitable recycling ecosystem in the UAE community.

Delta Airlines Innovation Camp

We are thrilled to share that ACity has successfully completed the Delta Airlines Innovation Camp, a one-day programme took place on June 16th, 2022, at the Dubai International Aerospace Centre in Dubai. The programme was a collaboration between Delta Airlines and ACity's Innovation Centre, with over 50 participants from various sectors, including aviation, technology, and entrepreneurship. The programme aimed to foster innovation, collaboration, and entrepreneurship in the aviation industry. The programme included presentations from leaders in the aviation industry, discussions on the future of aviation, and hands-on workshops focused on developing innovative solutions to industry challenges. The programme also emphasized the importance of sustainability and environmental responsibility in the aviation industry. Overall, the Delta Airlines Innovation Camp was a successful and impactful event that provided participants with valuable insights and opportunities for collaboration and entrepreneurship in the aviation industry.

Telesto Strategy Accelerator Program: Fueling Climate Solutions and Business Growth in Ghana

Powering Ghana Strategy Limited with a **Professional Advisor Office of Record** Partnership

Climate Tech Accelerator in Ghana

Partnership with Academic City Technology

The ACity CoE launched the Telesto Tech Accelerator in collaboration with Telesto Strategy, the US Trade Development Office of Ghana, the Ministry of Environment, Science, Technology and Innovation (MESTI), and the Ayaa Research Institute for Development Impact Assessment (ARIDIA). The accelerator program aims to foster innovation and entrepreneurship in climate-focused startups in Ghana, fostering a pipeline of innovative solutions.

The Telesto Accelerator program is a six-week program designed to support Ghanaian tech startups addressing climate-centered solutions. The program will provide participants with access to mentorship, training, and resources to help them develop and scale their businesses. The program will culminate in an investor pitch event, where the participants will have the opportunity to pitch their ventures to potential investors and gain valuable feedback from judges and counsels. We are excited to see the impact this program will have on the climate tech ecosystem in Ghana and beyond.

Patent Lecture: Exploring Innovation and Intellectual Property Protection

Patents network organized a lecture on intellectual property protection and innovation, in collaboration with the Dubai Chamber of Commerce, a substantial twelve-round of lectures and workshops aimed at promoting innovation, creativity, and intellectual property rights in the UAE. The lecture was attended by participants both online and in the auditorium, with a total of 50 participants.

During the lecture, Eman Al-Qaseer discussed the importance of innovation in the world, some of which have been patented, such as the Dyson vacuum cleaner, the Apple iPhone, and the Google search engine.

Patents network aims to enhance innovation and intellectual property protection in the UAE by providing comprehensive support and resources to individuals and businesses. The organization offers a range of services, including patent and trademark registration, IP audits, and IP management consultation, as well as educational programs and workshops to promote awareness and understanding of intellectual property rights.

Additionally, Eman shed light on the cost considerations associated with patent registration, including the fees for patent applications, maintenance fees, and legal fees for patent prosecution and enforcement. The lecture also provided participants with valuable insights into the patent application process, including the different types of patents available, the criteria for patentability, and the steps involved in the patent application process.

By sharing its extensive knowledge and experience, Eman inspired attendees to embrace the power of patents, fostering an environment where innovation and creativity thrive and are protected.

Beyond Reality: Unleashing the Power of XR Webinar

The Beyond Reality: Exploring the Power of XR webinar, organized collaboratively by the Black Ink Entertainment and ACity, was a groundbreaking event that aimed to delve into the vast potential of extended reality (XR) technologies. The webinar featured a lineup of distinguished speakers, including Ali Al-Shaikhly, the Chief Executive Officer of Black Ink Entertainment, Chris Lambert, Creative Director of Black Ink Entertainment, and Ali Al-Shaikhly, the Chief Executive Officer of Black Ink Entertainment, who shared their unique perspectives and expertise on the transformative power of XR.

The webinar covered various topics, such as immersive storytelling, interactive entertainment, and the future of XR technology in various industries. The speakers also discussed the potential of XR technology to enhance the overall experience of entertainment and education, and the ethical and social implications of this technology.

The collaboration between Black Ink and ACity underscores the growing interest in the intersection of entertainment and technology, and the webinar provided attendees with a unique opportunity to explore the latest advancements in XR technology and its potential impact on various industries.

Beyond Reality: Exploring The Power of XR webinar was a successful event that showcased the immense potential of XR technology and emphasized the importance of collaboration between entertainment and technology to drive the future of XR technology forward.

Arduino Day at TEC: Unleashing Creativity through Arduino Architecture and Programming

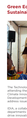
ARTIFI ECOSYSTEMS organized an Arduino Day event at TEC on April 27, 2022, to provide participants to the Arduino ecosystem with a comprehensive understanding of Arduino architecture and programming. The event was moderated by Dennis and Ashish from ARTIFI ECOSYSTEMS.

The event focused on familiarizing participants with the Arduino ecosystem and offering hands-on experience with the popular Arduino Uno microcontroller board. The event engaged participants in various activities and challenges, including coding and bots installations from the Arduino Uno kit. The event also featured a quiz with exciting prizes for the winners. The event's highlight was a collaborative coding challenge where participants worked together to create innovative solutions to real-world problems. The event provided participants with a deeper understanding of Arduino architecture and programming and offered a unique opportunity for hands-on learning in the Arduino ecosystem.

To ensure a smooth learning experience, the event was well-organized and supported by volunteers. The Robotics Club at ACity provided technical support and assistance to participants, ensuring that everyone could participate and providing guidance whenever needed. The event was successful in promoting STEM education and fostering a supportive learning environment, empowering participants to explore and learn from the Arduino ecosystem.

The Arduino Day event provided participants with a unique opportunity to immerse themselves in the Arduino ecosystem and gain valuable knowledge and skills in programming and coding concepts. The hands-on activities, coding challenges, and collaborative projects offered participants a comprehensive learning experience and the opportunity to develop transferable skills such as teamwork, problem-solving, and creativity. The event's success in promoting STEM education and fostering a supportive learning environment underscores the importance of such events in the Arduino ecosystem and beyond.

ACity Big Idea Challenge: Unleash Your Creativity and Make an Impact



The ACity Big Idea Challenge is an exciting opportunity for students, innovators, and entrepreneurs to showcase their creativity and make an impact. The challenge is open to participants of all ages and backgrounds and is designed to foster innovation and entrepreneurship in various fields, including technology, sustainability, and social impact. The challenge provides participants with a platform to pitch their ideas and compete for exciting prizes and opportunities to develop their ideas further. The challenge is a great opportunity for participants to network with industry experts and mentors, gain valuable feedback on their ideas, and develop their skills in entrepreneurship and innovation. The challenge is also a great way for participants to contribute to a sustainable and innovative ecosystem in the community.

Green Economy Innovation Session: Inspiring Sustainable Entrepreneurship in Ghana

The Technology and Entrepreneurship Center (TEC) had the privilege of participating in a green economy innovation session in Ghana on June 7, 2022, with Ghanian citizens and Ghana's Ministry of Environment, Science, Technology and Innovation (Ministry of Environment, Science, Technology and Innovation, 2022). The session aimed to promote sustainable entrepreneurship in the country and foster innovation in the green economy.

ACity, a collaborative platform for entrepreneurs and innovators, collaborated with various government departments from renowned development agencies worldwide, seeks to promote sustainable entrepreneurship in Ghana. The session was a great opportunity to showcase ACity's commitment to supporting the green economy in Ghana.

During the session, the focus was on exploring the current landscape of entrepreneurship in Ghana and the potential for sustainable innovation. The session was conducted with the participation of the Ministry of Environment, Science, Technology and Innovation, which provided valuable insights into the government's perspective on the green economy in Ghana.

The session provided valuable insights into the work of three green entrepreneurs from different sectors, including waste management, renewable energy, and sustainable agriculture. The entrepreneurs shared their experiences and challenges in starting and scaling their businesses, emphasizing the importance of sustainable practices and innovation in the green economy. The session provided valuable insights into the challenges and opportunities for sustainable entrepreneurship in Ghana and the potential for innovation in the green economy.

The Technology and Entrepreneurship Center (TEC) actively participated in this session, demonstrating its commitment to fostering a thriving ecosystem for sustainable entrepreneurship in Ghana and promoting innovation in the green economy.

MakeLab Holds An Introduction To Fusion 360 Course

The Technology and Entrepreneurship center partner Makelab holds an introduction to Fusion 360 course on June 14th, 2022, to provide participants with the knowledge and skills to use Fusion 360 software effectively. The course was designed to cater to a diverse audience, including students, professionals, and participants in equipment interactions with the Nanotech CAD/CAM software of Nanotech Dubai. The course was led by experienced instructors who provided a comprehensive overview of the software and its various tools and features. The course covered topics such as 3D modeling, sketching, and rendering, and the instructors also shared Makelab's technical community, under the guidance of the Technology and Entrepreneurship Center, which has been instrumental in providing a conducive environment for innovation and entrepreneurship in the community. The course was a great opportunity for participants to learn about Fusion 360 and its capabilities, with a project for 3D printing. By partnering with the Academic City Technology and Entrepreneurship Center, Makelab has demonstrated its commitment to supporting the local community and fostering innovation and entrepreneurship in the region.

COLLABORATIONS

UK Government Foreign Policy Team Explores Innovations and Partnerships at Academic City

The Technology and Entrepreneurship center partner Makelab hosts an introduction to Fusion 360 course on June 14th, 2022, to provide participants with the knowledge and skills to use Fusion 360 software effectively. The course was designed to cater to a diverse audience, including students, professionals, and participants in equipment interactions with the Nanotech CAD/CAM software of Nanotech Dubai. The course was led by experienced instructors who provided a comprehensive overview of the software and its various tools and features. The course covered topics such as 3D modeling, sketching, and rendering, and the instructors also shared Makelab's technical community, under the guidance of the Technology and Entrepreneurship Center, which has been instrumental in providing a conducive environment for innovation and entrepreneurship in the community. The course was a great opportunity for participants to learn about Fusion 360 and its capabilities, with a project for 3D printing. By partnering with the Academic City Technology and Entrepreneurship Center, Makelab has demonstrated its commitment to supporting the local community and fostering innovation and entrepreneurship in the region.

Collaboration with U.S. Embassy Explores STEAM Projects

TEC has been exploring collaboration opportunities with the U.S. Embassy in Ghana to promote STEAM education and innovation in the country. The collaboration aims to develop STEAM-focused initiatives that will benefit students, Makerfy teachers, the Manager of the TEC, to discuss ongoing STEAM projects and initiatives.

These projects include the development of a STEAM curriculum for Makerfy, a popular startup hub incubated at the university. The teams are exploring the potential of STEAM education in the curriculum and how it can be integrated into it to prepare students for the future workforce. The collaboration also includes the development of a STEAM-focused curriculum for the university, which will include coursework, special access, and various events and activities for students. We are proud of the collaboration between TEC and the U.S. Embassy in Ghana and the potential impact it will have on the STEAM education landscape in the country. The initiatives being explored by the teams are a testament to the power of collaboration and innovation in education. The collaboration between TEC and the U.S. Embassy in Ghana is a collaboration with Tetesto Strategy, a Chicago-based organization focused on promoting innovation and entrepreneurship in the technology sector.

ONGOING PROJECTS AT THE TEC

Baby Monitoring Sensor

Ensuring the safety of babies is a top priority for parents and caregivers. Tech is why our students have proposed a project to address the risk of babies being left in cars on hot days. The project aims to develop a sensor that can detect the presence of a baby in a car and alert the driver or caregiver if the temperature inside the car exceeds a safe threshold. The project will use the ESP32 microcontroller, the temperature sensor, and the ESP8266 WiFi module to interconnect the monitoring system with the driver's phone or the hub. The project's goal is to prevent accidents and ensure the safety of babies in cars.

Enhancing Home Security with a Car Detecting Notification System Using Microphone Sensors

Unauthorized entry into a home poses the safety and security of their homes. To address this concern, our students have proposed a solution that utilizes microphone sensors to detect the presence of a car in the vicinity of the home and alert the homeowner. The sensor is designed to be sensitive to the sound of a car engine and to differentiate between the sound of a car and other ambient noises. This car detecting notification system provides homeowners with an added layer of security and peace of mind.

UPCOMING PROGRAMMES AND EVENTS

Innovation Office Hours
Date: 15th September, 2022

Young Africa Leaders Initiative (YALI) Mid-Career Pan-African Fellowship Program Information Session
Date: 14th October, 2022

Sponsorship, Support & Impact - Calling All Partners!

We cannot consider the importance of partnerships and collaborations in fostering innovation and impact in the tech ecosystem. At ACity, we have a strong commitment to building strategic partnerships with various stakeholders, including government agencies, corporations, and educational institutions.

Now we invite you and your organization to join us in **"Leaving the Impact Mark"** on the tech ecosystem in Dubai. We believe that collaboration is essential to driving innovation and impact in the tech ecosystem, and we are excited to invite you to join us in this journey.

As we look forward to August 2022, ACity is poised to become the largest incubator on the Dubai Silicon Oasis campus, with a total capacity of 1,000 people. This milestone marks the end of the century, Wednesday, two-thirds of young people, and the beginning of a new chapter in our journey to foster innovation and impact in the tech ecosystem. We are excited to see how our partnerships will contribute to this end.

Don't miss out on this opportunity to make a real difference! Contact us at partnerships@acitytech.com to explore the exciting opportunities for collaboration and impact.