DEDAN KIMATHI UNIVERSITY OF TECHNOLOGY

MONTHLY NEWS BULLETIN

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Visit by a team from KAIST



Deputy Vice Chacellor, Prof. Esther Magiri, Dr. Paul Tanui, Prof. Heather Coltman and her team during the visit to the University

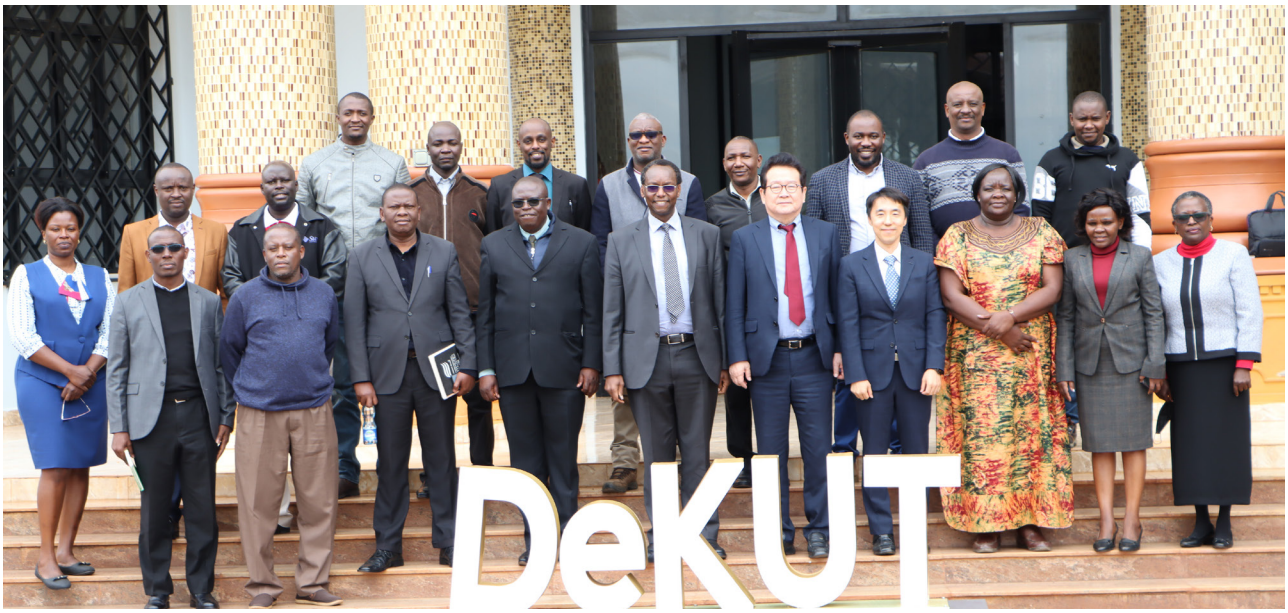


Marketing Society of Kenya educating students on what it takes to be future marketer

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DeKUT to Host and Mentor Kenya-AIST in Konza Technopolis



Recently Kenya and Korea signed an agreement to establish the Kenya Advanced Institute of Science and Technology (Kenya-AIST), which is being constructed at the Konza Technopolis. The Institute, which will offer specialized research and training in various cutting-edge engineering technologies, will be a replica of the Korean Advanced Institute of Science and Technology (KAIST). Kenya-AIST will initially function as an affiliated college of DeKUT before rapidly transitioning into a specialized university.

The Institute will comprise ten research science labs working with specialized local and international researchers in science, technology and engineering. It will develop an academic curriculum for six initial departments of Mechanical Engineering, Electrical/ Electronics Engineering, ICT Engineering, Chemical Engineering, Civil Engineering and Agricultural Biotechnology, laying the groundwork for engineering research and education in Kenya. Science, Technology, and Innovation are considered a critical catalysts for fast-tracking modernization and transformation of Kenyan society into a middle-income country by 2030. The Kenya Advanced Institute of Science and Technology will be an institution of strategic national importance. Kenya-AIST is expected to advance (STEM) courses in institutions of higher learning in the quest to create a large number of specialists to industrialize the economy by 2030 and drive economic growth through advanced science and technology.

On Friday 29th July 2022, a team from the Korea Advanced Institute of Science and Technology (KAIST)) visited the University to discuss future partnerships and collaborations in relation to the Kenya Advanced Institute of Science and Technology (Kenya-AIST).





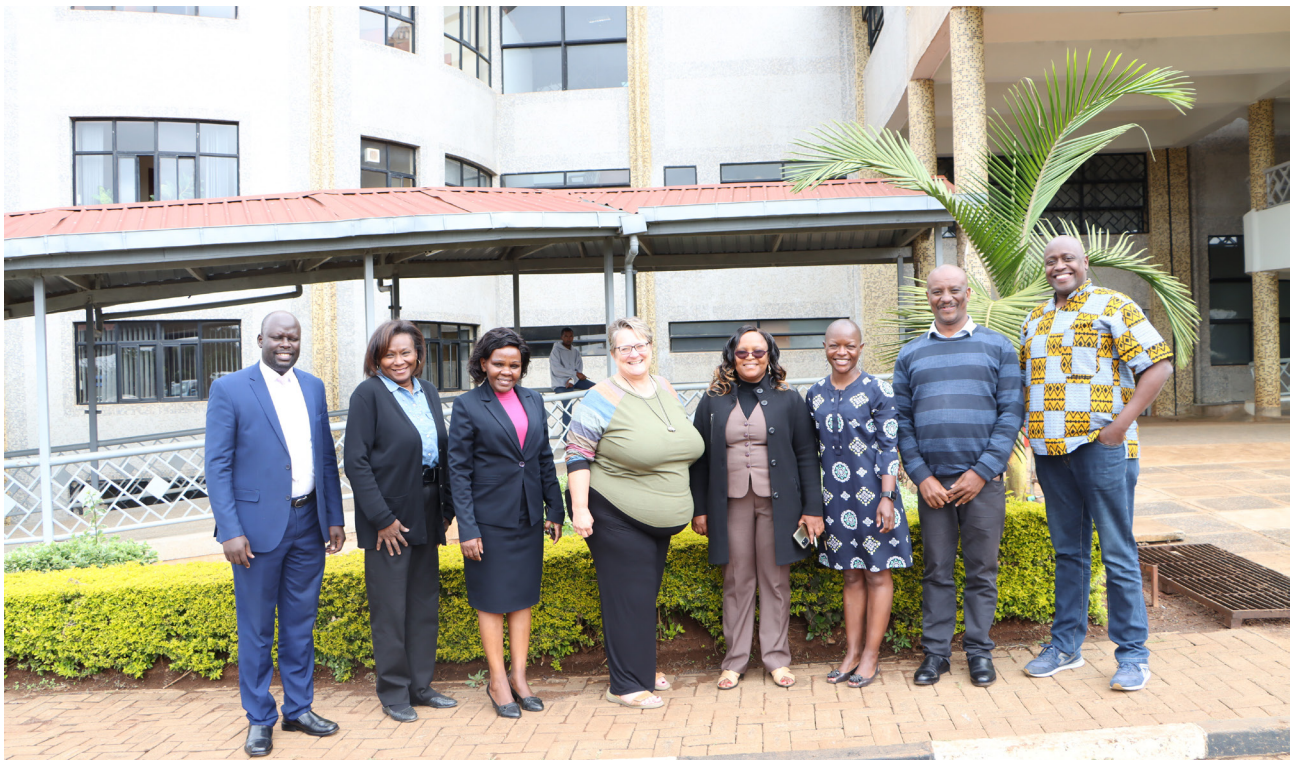
Prof. Heather Coltman from James Madison University holds a public lecture with our students under the 'Utilizing technology to solve global problems.'

On 28th July 2022, we hosted Provost and Senior Vice President for Academic Affairs, Prof. Heather Coltman from James Madison University, USA, who held a public lecture with our students under the theme, "Utilizing technology to solve global problems."

"Technology has run a mark, and we are in a global world. We are globally connected, and it is your responsibility to use that for the betterment of mankind. She stated. She also educated them on climate change and how they can leverage on technology to solve such issues and other complex problems. She concluded by challenging the students to consider using technology and the resources at their disposal to solve global challenges. She was accompanied by two of her members of JMU, Prof. Besi Muhonja, Associate Vice Provost for Scholarship, Diversity, Equity and Inclusion and Dean of Graduate School Prof. Linda Thomas.

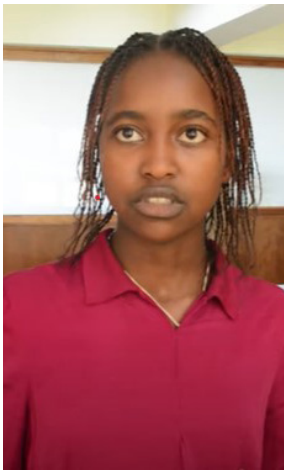






Two DeKUT students invent a water monitoring system to monitor the quality and quantity of water in tanks.





Diana Mwithalili, a third-year student pursuing Bachelor of Science in Civil Engineering and Newton Ollengo, a recent graduate, invented a water monitoring system to monitor the quality and quantity of water in tanks.

Access to clean water is essential for agriculture, industry, and human use. According to Mwithalili, many counties lack clean water due to the urbanization of rural regions, population growth, and extensive chemical use in manufacturing, building, and other industries.

"In the past, water quality was determined manually by taking samples and sending them to labs for analysis. This method takes time, money, and human resources. These methods do not deliver data instantly. The water monitoring system, which includes a microcontroller and simple sensors to measure pH, turbidity, water level, temperature, and humidity of the air, transmits continuous and real-time data to the monitoring station via wireless technology. This will assist in addressing some of the national and international water quality and quantity issues the nation is currently dealing with." stated Mwithalili

DeKUT hosts a team from the Marketing Society of Kenya (MSK) to educate students on what it takes to be a successful future marketer



Digital marketing has advanced significantly over the past few years and is now essential for business outreach. Organizations now rely more on digital marketing due to the pandemic, which has transformed this industry.

On 22nd July 2022, a team from the Marketing Society of Kenya (MSK) visited the University to educate marketing students on what it takes to be a successful future marketer. Some of the key topics of discussion included; how to create content relevant to your brand, how to strategize this content on social media platforms, and carrying out a social media campaign, among other digital marketing skills needed for the world of work.

In attendance were; Ms. Rosehilda Kamanga, MSK Communication and Marketing Manager; Ms. Rosemary Nduku, MSK Marketing and Communications Consultant. Ms. Gloria Rotich, Marketing Officer, Membership Student Affairs, Mr. Martin Ndirangu, CEO, Kenya National Chambers of Commerce and Industry (KNCCI).



A DeKUT Alumnus Making Waves in the Industry



Meet Biwott Stanley Kipkemboi-an alumna from the Institute of Tourism and Hospitality Management and now a lead chef in one of the fast-paced establishments in Dubai.

"I started as a dining hall captain in form three, and I believe that's where I developed the passion, interest, and zeal to explore the culinary world. I later joined the Dedan Kimathi University of Technology, which enlightened me even more in this field. The sight of huge pots with ready meals sent down chills over me. I used to be fascinated by the sight of an individual fully dressed in a chef's uniform, till to date, I still get some chills.

At first, I was interested in being a chemical analyst before finding something more interesting, which is cooking. I remember spending most of my campus time reading book recipes, food blogs, cookbooks etc. On weekends I used to cook for the underprivileged children back in the orphanages, and the more I did it, the more I got a deep sense and attachment to food.

What really transformed me to the next level was the exposure through attachments. It gave me a different sense of well-being; that is how I started doing more research and trying out new recipes. From a 3-star hotel to a 4-star hotel for my attachment and then a 5-star hotel for my internship. I never wanted to settle for less, and my breakthrough was receiving my first ever salary in Dubai after many years of unpaid internships and attachments.

I will always be grateful for the life and educational skills I acquired from the Dedan Kimathi University of Technology.

Thank you, DeKUT fraternity





Call For Papers for the 6th DeKUT International Conference on Science, Technology, Innovation, and Entrepreneurship



The 6th DeKUT International Conference on Science, Technology, Innovation and Entrepreneurship will be held from 9th -11th November 2022 at the Main Campus, Nyeri. The theme of the conference will be 'Leveraging Science, technology, Innovation and Entrepreneurship for Sustainable Development and will aim to create a platform for researchers and practitioners to present, discuss, engage and publish research work related to national development.

The areas of presentation include; Engineering Technologies and Innovations, Business Management and Entrepreneurship, Basic and Applied Sciences, Agricultural Sciences and Technologies, Water, Energy, GIS and Remote Sensing, Environment and Climate Change, Health Sciences and Community Development and post Covid-19 Dynamics, ICT and Data Science, IoT, AI and Emerging Technologies, Tourism, Wildlife and Hospitality Management, Environment and Climate Change, Security Management Forensics and Contemporary Crimes, Trends in Technical Education and Training and Project Management for Micro-Public Project.

Important Dates

1. Abstract Submission – 31st July 2022
2. Submission of Full Papers – 30th September 2022
3. Early Bird Registration – By 30th August 2022
4. Normal Registration By – After 30th September 2022
5. Late Registration After – 30th October 2022
6. Exhibition Registration – 30th October 2022
7. Conference Dates – 13th – 9th – 11th November 2022

Key Notes:

- Guidelines to authors, abstract template and conference registration form are available on the link provided https://stieconference.dkut.ac.ke/
- Excellent papers selected from the 6th International Conference on STI& E, 2022 will be recommended to be published in our JASETD Journal
- Conference registration fees will cover conference materials only. Hotel accommodation is available within Nyeri town, and booking can be facilitated through the conference secretariat on prior request.

For enquiries, please contact;

Telephone: (+254) 061 2050000, (+254) 0712 388613, (+254) 0719 311223 Email: sti.conference@dkut.ac.ke or visit www.dkut.ac.ke/ https://stieconference.dkut.ac.ke/

INNOVATORS CLUB

LEADERS IN INNOVATION



Our Heritage

We aim to accomplish two daily goals: acquire valuable skills and improve the world through innovation. After a group of students approached Mr. Verol in 2011, looking for a method to apply what they had learned to change the world, the DeKUT Innovators Club was born. He decided to start a club because their enthusiasm for it inspired him.

The departments that pioneered the club, namely: Mechatronic Engineering, Telecommunication and Information Engineering and Electrical and Electronic Engineering, were allowed to form groups and choose a name to display their aim. With that, the three categories, Autotech (Mechatronics), Telenovist (TIE) and Electrique Tech (EEE), were formed. With Mr. Verol as the patron and 56 members from the three departments, the club officially began its operations.

In 2017, it was registered and finally labelled as Innovator's club. Through support from the University and other partners, we grew, receiving new members from the rest of the departments, including Civil engineering, Computer Science, among others. Over time, we progressed from working on small, straightforward projects to larger, more significant ones featured on events like The ASK SHOW in Nyeri and in competitions where they have gone on to win honors and prizes.

Vision

To develop students' and young people's technological skills by serving as a global leader in tech clubs.

Goals

- To foster cohesion amongst members
- Assist members in matters non-academic, projects, securing attachment and practical application of skills gained theoretically in class
- To be problem solvers by visiting companies analyzing their problems, and then solving them.

4. To promote the University's involvement in various internal and foreign competitions in terms of technology.

Activities

For the overall growth of our members, we engage them in both academic and non-academic activities.
Education
1. Leadership:
Our leadership is mainly comprised of students under the mentorship of our patron, Mr. Verol. This is to equip them with leadership skills and be a voice for the rest of the members.

2. Exhibitions
This is where our members get a chance to show what they have been working on, exposing them to potential investors and preparing them for the corporate part of the tech world.



Figure 1 Mr. Verol and the innovators club during ASK Show 2019

3. Industrial visits
This exposes them to the need for various industries to implement tech projects. It also enables them to interact with peers in their respective fields who are part of the staff.

4. Sessions –
The main goal of the club is to gain technical skills. This is done through peer-peer sessions, workshops and sessions from guest speakers. Since we are also aiming at commercialization, we also have business-oriented sessions to prepare our members.

Social
We aim to build a holistic environment for our members; hence we use various outdoors activities like trips, hikes and community service projects.

Others
1. Linkage to Alumni – we link our members to alumni already in various tech fields and industries to mentor and expose them to the market.

Projects
Some of our member's projects have grown into successful innovations with real-time applications.
1. IBEES – Jacline Tum
2. Rhion's lab – Clinton Oduor
3. Makini – Clinton Oduor
4. Speed Governor

We also have around ten ongoing projects we look forward to showcasing soon.

What should non-members know?

Being a part of innovators is like being a part of a family where you can:
- Fully express yourself and your ideas.
- Grow in terms of confidence and skills, both technological and business.
- Get exposed to new technology and how it is applicable in today's world
- Get opportunities to earn from the projects.
- Get a secure environment to challenge your creative skills and strengths and weaknesses.
- A supportive environment believes in healthy growth and where we help each other's projects grow to commercialization.

Benefits of Joining

With our ever-growing club, we have made an improvement to have membership cards as a way to give a sense of identity.
So what does it mean to be a part of the Innovators Club?
- The opportunity for growth of tech skills.
- Offer linkage to Alumni as a part of mentorship.
- A chance to interact and share ideas with the rest of the team.
- A chance to challenge the creative limits
- Being a part of a very supportive ecosystem.

What Does the Future Look Like?

We plan to reach out to more innovators and help them grow their skills and projects.
We also have plans to quickly commercialize and patent their work for them to benefit from their efforts entirely.

Testimonials
"Being a part of the Innovators Club has been amazing. I have learned, connected, led, inspired, and worked on projects. Long live the Innovators Club Family." – Collins Obota

By: Mr. Verol
Club Patron.

IAESTE DeKUT local committee organizes an international evening to create awareness about IAESTE amongst students

The International Association for the Exchange of Student for Technical Experience (IAESTE) is an international organization providing cutting-edge work experience for students abroad through paid internships; Students take up internships for eight weeks to 18 months.

IAESTE was started in 1948 at the Imperial College in London to promote better understanding between countries and cultures and technical work experience. The association has more than 80 participating countries and exchanges over 7000 students annually, giving them relevant experience in their area of specialization and broadening their global perspective.

DeKUT was incorporated into the Association in the year 2013. After completing the necessary application processes, DeKUT was admitted to IAESTE as a cooperating institution. This opened up new opportunities for students to take up internships abroad and gain life-changing global experiences. It also allowed students from around the world to take up internships in Kenya at DeKUT.

Since its inception in DeKUT, IAESTE has sent and received international students for international internships to and from countries such as Germany, the United Kingdom, Austria, the Czech Republic, Malta and Spain, Poland, Sweden, India and many others. The technical and cultural experiences that the students have gained during their stay in the various countries help their social and cultural integration and enhance their professional skills outside of the internship experience.

On Thursday, 28th July 2022, IAESTE DeKUT hosted an international evening to create awareness among students about IAESTE. The aim of the international evening was also to provide an opportunity for international students to showcase their culture while simultaneously providing an opportunity to learn and interact with DeKUT students. During the event, international students from Switzerland presented their country and showcased various cultural items, including foodstuffs, traditional costumes, ornaments and music. The opportunity provided a great platform for students to interact, share experiences, and learn more about the international academic exchange opportunities at the University.









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