



# CAPE COAST TECHNICAL UNIVERSITY NEWSLETTER

March 2023

Volume 1

4th Edition

## CAPE COAST TECHNICAL UNIVERSITY TO REPRESENT GHANA AT TECH INNOVATION PITCHING COMPETITION IN BERLIN



Three students from the Department of Food Science and Postharvest Technology, Miss Emelia Addy, Miss Isabel Naa Allotey and Mr. Samuel Addo have won the 2023 Business Ideas/Technology Innovation Pitch Competition. The team won the competition by using plantain leaves to manufacture sanitary towels. Prof. Emmanuel Kwaw, Mr. Kwame Tenadu and Mrs. Sandra Kaburi led the team.

The Pitch, which was held for Universities in Ghana was organized by RWTH Aachen University and Paabinaa Meriga Peace Initiative. The final stage of the competition was made up of 14 Universities including University of Ghana, University of Cape Coast, University of Development Studies, University of Professional Studies among

others. At the end of the contest, Cape Coast Technical University beat thirteen other tertiary institutions to win the ultimate prize.

The Team from CCTU will represent Ghana and Africa in Germany in October, 2023.



**Congratulations to Team CCTU!**

# CCTU ORGANISES ORIENTATION FOR FRESH UNDERGRADUATE STUDENTS



**T**he Cape Coast Technical University under the auspices of the Dean of Students' Affairs organized orientation for the Fresh students who applied for the 2022/2023 Academic Year from Tuesday, January 10, 2023 to Friday, January 13, 2023 at the University Ceremonial Grounds.

The programme was put together to facilitate the navigation of undergraduate

through vital aspects of the systems, services and processes of the University.

The University experts at the helm of various aspects of the University functions and other key stakeholders took them



through salient topics to prepare them for the challenges ahead and to set them up for success.

The Registrar, Dr. Francis Narh Akrono, advised them to participate fully in all academic work and not be involved in examination malpractice and other social vices. He added that they should be dili-



Freshers on campus, to learn how to be a student in the University and guide them





gent students and their stay in the University would be rewarded.

The Ag. Pro Vice-Chancellor, Prof. Lawrence Atepor who was the Chairperson for the orientation congratulated the Fresh-



ers and admonished them to acquaint themselves with the student's handbook and abide by all rules and regulation.

Presentations were made by officers from the Ghana National Fire Service, Ghana Immigration Service, The Narcotic and Drugs Commission of Ghana and Student Loan Trust and some financial institutions. Present at the programme were Deans, Directors and Head of Departments, Sections and Unit.





# CCTU HOLDS ORIENTATION FOR ITS FIRST BATCH OF POSTGRADUATE (MTECH) STUDENTS



Cape Coast Technical University (CCTU) has held orientation ceremony for its first batch of students (2022/2023 academic year) who are pursuing Master of Technology (MTech) Civil Engineering programme. The orientation was held on Tuesday, February 28, 2023 at the University Library Conference Hall.



The Dean of the School of Graduate Studies, Dr. Stephen Agyefi-Mensah, Speaking at the orientation ceremony congratulated



lated the students on their admission to CCTU. He made the students aware that their stay in CCTU would be a memorable one. He indicated that the University would provide them with quality academic service to enable them excel in their studies, research and career. He urged them to exhibit high sense of commitment and dedication to their studies. The Dean of the School of Graduate Studies in his remarks underscored the need for the students to be punctual at lectures, partici-



pate in presentations, attend seminars as well as complete assignments on time.



Dr. Stephen Agyefi-Mensah took the opportunity to brief them on the functions of the school. He indicated that the School's mandate includes equipping graduates with innovative and practical thinking skills to support existing and emerging productive sectors of the Ghanaian economy with technical expertise. He affirmed that the School has qualified professionals with rich industrial experience thereby using innovative methods in teaching and learning.



On her part, the Director of Academic Affairs, Mrs. Fanny Ama Darkey, who represented the Registrar, took the students through Academic policies and regulations governing the stay of students on CCTU campus. She affirmed that CCTU would not compromise on its quality academic standard and that the students should put in more efforts to complete their studies successfully.



The Students expressed their gratitude to the University for the opportunity given them to enroll as Master of Technology (MTech) Civil Engineering students.

Present at the programme were Deans, Directors, Head of Departments, Lecturers and the Assistant Registrar at the School of Graduate Studies, Mrs. Gloria Blay-Mienzah.





# CAPE COAST TECHNICAL UNIVERSITY ORGANIZES MATRICULATION FOR FRESHERS- 2022/2023 ACADEMIC YEAR



**C**ape Coast Technical University on Tuesday, February 28, 2023 held its 29th Matriculation ceremony to officially welcome the freshmen of the University at the Ceremonial Grounds.



The Registrar, Dr. Francis Narh Akrono took the matriculants through the University's matriculation oath and declaration of obedience.

The Vice-Chancellor, Rt. Rev. Ing Prof. Joshua Danso Owusu-Sekyere prior to the matriculation pronouncement, reminded

the students that matriculation ceremony marks the formal admission of students into the University and an occasion during which matriculants pledge their allegiance to the authority of the University through the administration of the oath. Rt. Rev. Ing Prof. Joshua Danso Owusu-Sekyere administered the matriculation pronouncement by legitimizing the status of the matriculants as junior members of the University by admitting them to the rights, privileges and responsibilities of the schools and departments to which they had been assigned in the University.

Speaking at the 29th matriculation of the University the Vice-Chancellor, Rt. Rev. Ing Prof. Joshua Danso Owusu-Sekyere indicated that this year, the University issued admission letters to 2,689 prospective students. Out of this number, 1,836 applicants representing 68.3%, enrolled to pur-



sue various programmes of study for the 2022/2023 academic year.



Out of the total enrolment 1,468, representing 54.6%, are Males, whilst 1,218, representing 45.3%, are Females. He indicated that a lot had been done to increase the number of females in male dominated courses, saying that the 45.3 per cent of females admitted this year was significant. Again, out of the total enrolment, 21 applicants were admitted to pursue postgraduate programme in MTech Civil Engineering. Rt. Rev. Ing Prof. Joshua Danso Owusu-Sekyere gave the breakdown as follows; out of 1,836 students enrolled, 21 were MTech students, 1,695 were Bachelor of Technology students, 369 High-



er National Diploma, two certificate students, and 589 Diploma students. The Vice-Chancellor intimated that this is the first batch of postgraduate students admitted by the University.

On the issue of accommodation for students, he intimated that the lack of hos-

tel facilities did not only serve as a disincentive for prospective students, but also did not augur well for effective teaching and learning. He appealed to prospective investors to assist the university with the building of hostels to solve students' accommodation deficits on campus.

Rt. Rev. Ing Prof. Joshua Danso Owusu-Sekyere reminded the students to ad-



here to rules and regulations of the University as well as exhibit high sense of purpose and diligence to achieve high academic standards. He said this will enable them attain the requisite skills and competences that will make them successful in the world of work thereby making themselves and the University proud.





# INDUSTRIAL FIELD TRIP TO SONO (PINORA) GHANA INDUSTRY-ASAMANKESE, EASTERN REGION, GHANA.



**O**n the 16<sup>th</sup> February, 2023, Lecturers and students (level 200's and 300's) of the Department of Food Science and Postharvest Technology of the Cape Coast Technical University embarked on an industrial field trip to Sono Processing Industry. Sono Processing Industry, which was formerly called the Pin-

tory who were already informed of the visit and were well prepared to receive them. Every member of the team was given an identification badge while the team was ushered to the factory's visitor's hall. An orientation on the factory's activities and safety and precautionary rules were given.



ora Fruit Processing Factory, is based in Akim Asamankese in the Eastern Region of Ghana.

The team of students and lecturers got to the factory at about 12 noon, after a 4-hour journey from Cape Coast. The team was received by the management of the fac-

The orientations were given by Mr. Wisdom Abbey (Production Manager) and Mr. Emmanuel A. Larbi (Agric. Manager).

The team was introduced to the company's passion fruit farm and bee rearing site. The farm is a thirty (30) acres land which have been demarcated into blocks.





The passion fruit occupied eight (8) blocks. The farm uses an irrigation system which runs through all corners of the farm. They use the drip method of irrigation system where the fertilizer is mixed with water in a tank and allowed to pass through pipes (valves) to irrigate the crops. The team spent about an hour touring the farm.

The tour of the farm included going to see the beehives. It was explained to the team that, the purpose of rearing the bees was to help facilitate pollination of crops grown on the farms. Thus, pollination of the passion fruits. Aside the pollination of the plants, they also got honey from the bees. The visits to the farm and the bee hives really exposed the students to many busi-



ness opportunities that they could explore as Food Science and Postharvest Technology professionals. The students asked many questions of which they had time to answer all of them.

Once the visit to the farm was over, the team was divided into three groups and each group taken in turns to the factory

processing floor. The visits to the processing floor were led by Mr. Wisdom Abbey, the Production Manager. The first place to visit on the processing floor was the site where they offload the fruits. So once the oranges are offloaded, they pass through a conveyer belt where sorting is done on the moving conveyer belt and go into a silo which have ten (10) compartments. On the silo, are five (5) compartments for organic oranges and the other five (5) are for conventional oranges.

The company export the passion fruit outside the country without processing them. Oranges are the major fruits they currently process. It was explained that the organic oranges are separated from the conventional or non-organic oranges. The reason why they separate the organic oranges from the non-organic oranges is to prevent cross-contam-



ination. From the silo, the oranges move along a conveyer belt where cleaning and washing are done. Ammonia acid is added to the water to remove any pathogenic organisms on the oranges with the aid of a roller brush. The oranges are then crushed,



and the juice goes to a receiving tank while the peels are collected and taken to a dug-out site to be thrown away. From the receiving tank, the juice goes through a pasteurizer and then to a chilling room



for some time to be cooled. The chilled juice is moved to an evaporator to reduce the water contents to produce a juice concentrate. The juice concentrates are sold to other factories that produce fruit drinks.

The tour of the factory ended at the visitor's hall where the management exchanged pleasantries with the team. They expressed their joy and gratitude to CCTU, especially to the Vice Chancellor and lecturers of the Food Science and Postharvest Department, for visiting their facility. The team departed from the factory around 6:00pm and arrived at CCTU campus at 10:00pm.

The visit to the factory and its farms was a great opportunity for the students and the lecturers. The students could relate to an application of some of the theories and principles that they were learning while at the same time, the lecturers had the opportunity to site examples for some of the things they thought. It is expected that more of such field trips would be arranged for the student body.





# WORKSHOP FOR DEANS/DIRECTORS/HEADS OF DEPARTMENT



The Directorate of Human Resource on Thursday, January 26, 2023 organized a day workshop for Deans, Directors and Heads of Department at the University Library Conference Room. The Registrar, Dr. Francis N. Akrono, chaired the workshop.



Opening the workshop, the Chairperson underscored the importance of the workshop and indicated that as part of the measures to build capacity of participants to achieve the desired impact at various capacities, the training programme had been fashioned to afford all the participants especially newly appointed heads the opportunity to enrich themselves with the knowledge on leadership and how the University system runs. He entreated participants to accord facilitators the maxi-

imum cooperation for a successful programme.



Prof. Lawrence Atepor, Dean of the School of Engineering facilitated the presentation on the topic "Governance System of the University". Prof. Samuel B. Owusu-Mintah, the second resource person presented "Duties and Responsibilities of Deans, Directors and Heads of Department in the University". The Director of Legal, Consular and General Services, Mr. Michael M. Ben-







skill needed for the execution of their duties and responsibilities.

til made a presentation on “Extracts of the Statutes that Directly Affect the Work of Directors/Deans/HODs”. Deputy Finance Director, Mr. Frederick Appiah on behalf of the Director of Finance spoke on “Financial Administration in the Directorates/Schools/Departments”.



The workshop was well attended and the participation of members was very impressive. The organizers were commended for creating the forum for heads to be imparted and equipped with the requisite





# ADVANCED TRAINING WORKSHOP ON BUILDING ENERGY SIMULATION WITH DESIGN BUILDER SOFTWARE



Cape Coast Technical University was the only university in Ghana to benefit from a 5- day training workshop on Design Builders Software organized by Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ). This is part of the bilateral Renewable Energy and Energy Efficiency in the Public

efficiency in buildings in order to reduce the energy costs of public institutions and to support decision-makers and administrations at national, regional and district level. The capacity building activities under the REEEPPublic Project include several workshops including “Applying Technical Assessment Methodologies to Public Facilities.”



Sector (REEEPPublic) Project, implemented by the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH, which seeks among other objectives, to promote renewable energy and energy

The workshop trained professionals in the built environment on how to use Energy Simulating Software (Design Builder / Energy Plus) for designing new buildings or retrofitting existing buildings in Ghana.



The Sustainable Energy and Energy Efficiency for Climate Protection in Ghana Project (SustainE4Climate), seeks to improve the financial sustainability of the energy sector and the framework conditions to promote investments in renewable energies and energy efficiency, thereby strengthening Ghana's climate goals and sustainable economic development.

Cape Coast Technical University (CCTU) is situated along the coastal belt of Ghana, in the heart of the Central Regional capital. This places the institution in a conducive environment for the generation of Renewable Energy.

Most coastal communities experience a relatively large amount of solar radiation, wind and tidal waves that are great potential resources of renewable energy which can be harnessed to meet the electricity needs of the country. It has been estimated that 200–400 MW of onshore wind power could be established with wind speeds in excess of 8 m/s (Essandoh, Osei & Adam, 2014). This means that the coastal areas within the country are viable for the positioning of renewable energy devices with the aim of generating power.

The need to institutionalize and resource Cape Coast Technical University (CCTU) as the hub for Renewable Energy studies and researches, could provide a resource and knowledge link between players within the Renewable Energy stakeholders and the sector regulators including Energy Commission, Ghana Atomic Energy Commission and the Ministry of Energy.

The Cape Coast Technical University also has well equipped laboratories that will serve as the fulcrum in conducting research and providing policy direction on

the development and management of practical renewable energy technologies to support government and private organizations in meeting the energy demands of Ghana and Africa.

The University has chosen Renewable Energy Technology as its niche area. In line with this new strategic direction, the University is positioning itself as a leading centre of excellence in training, research and innovation in Renewable Energy Technologies, Sustainability and Clean Engineering and Design concepts. The goal of this strategy is to resource CCTU as a Renewable Energy Technology hub, and to pivot all academic programmes, research and innovations around Renewable Energy Technologies.





# HUMAN RESOURCE

THE FOLLOWING STAFF OF THE CAPE COAST TECHNICAL UNIVERSITY HAD SUCCESSFULLY COMPLETED THEIR **DOCTOR OF PHILOSOPHY** PROGRAMMES IN THEIR RESPECTIVE FIELDS. THEY ARE:



**Dr. Anthony Turkson**  
**PhD IN MANAGEMENT EDUCATION**  
**DIRECTOR OF ACADEMICS**



**Dr. Patrick Arthur**  
**PhD IN MANAGEMENT EDUCATION**  
**DIRECTORATE OF PUBLIC AFFAIRS**



**Dr. Richmond Yeboah**  
**PhD IN INTERNATIONAL STUDIES**  
**DEPARTMENT OF TOURISM**



**Dr. Cynthia Derx-Techie**  
**PhD IN ENGLISH**  
**DPT. OF LIBERAL & COM. STUDIES**



# EXHIBITION OF PRACTICAL WORK BY HCIM & FASHION STUDENTS IN PICTURES THE PROGRAME WAS HELD ON APRIL 7, 2023 AT THE BORSAH SQUARE.





