



**GHANA TERTIARY
EDUCATION COMMISSION**

Driving a World Class Tertiary Education System for National Development



TRANSFORMING TERTIARY
EDUCATION IN GHANA:
Dialogue, Policy, Practice





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Driving a World Class Tertiary Education System for National Development

NTEC 2024

NOV 5 – NOV 7

Editors

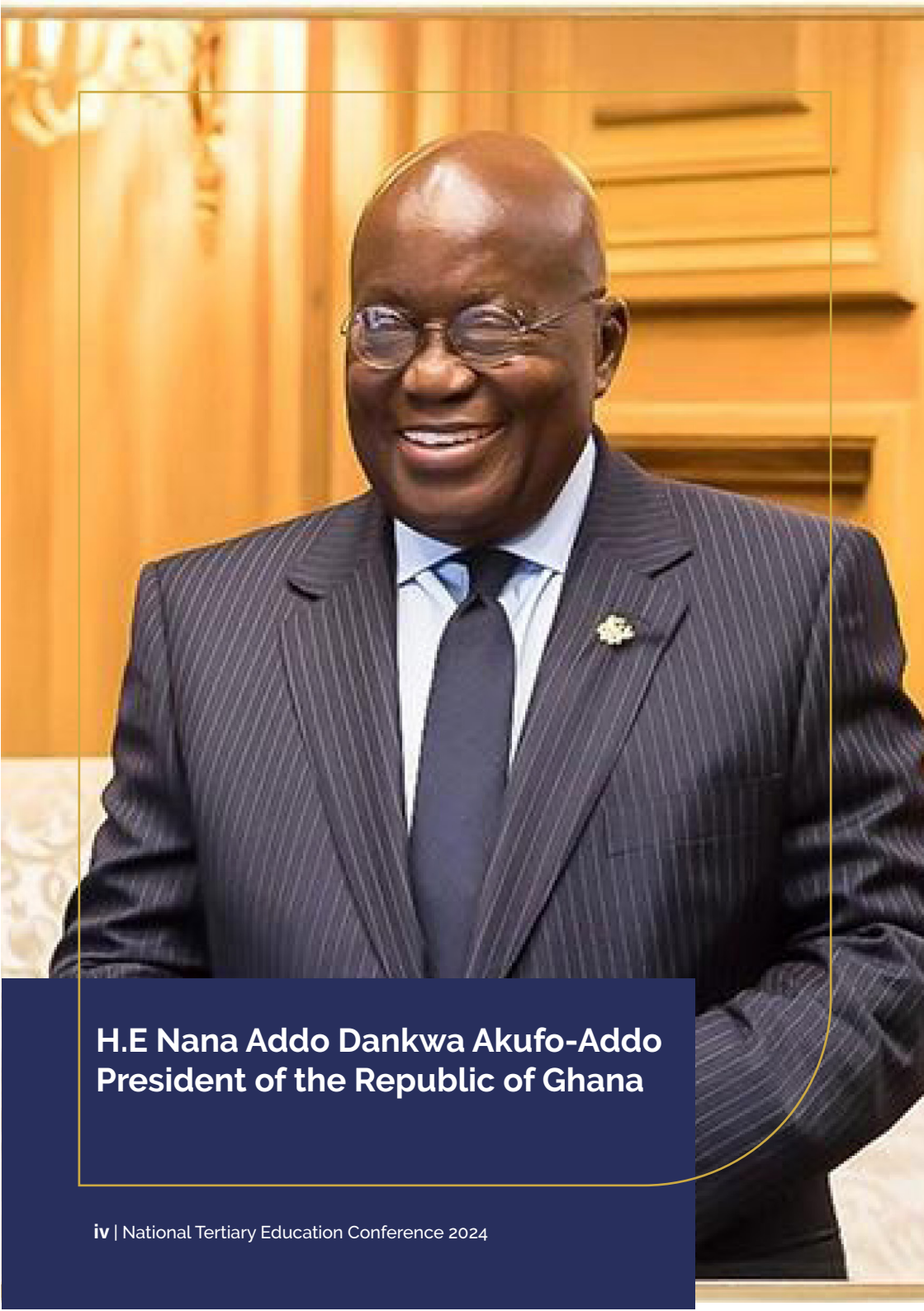
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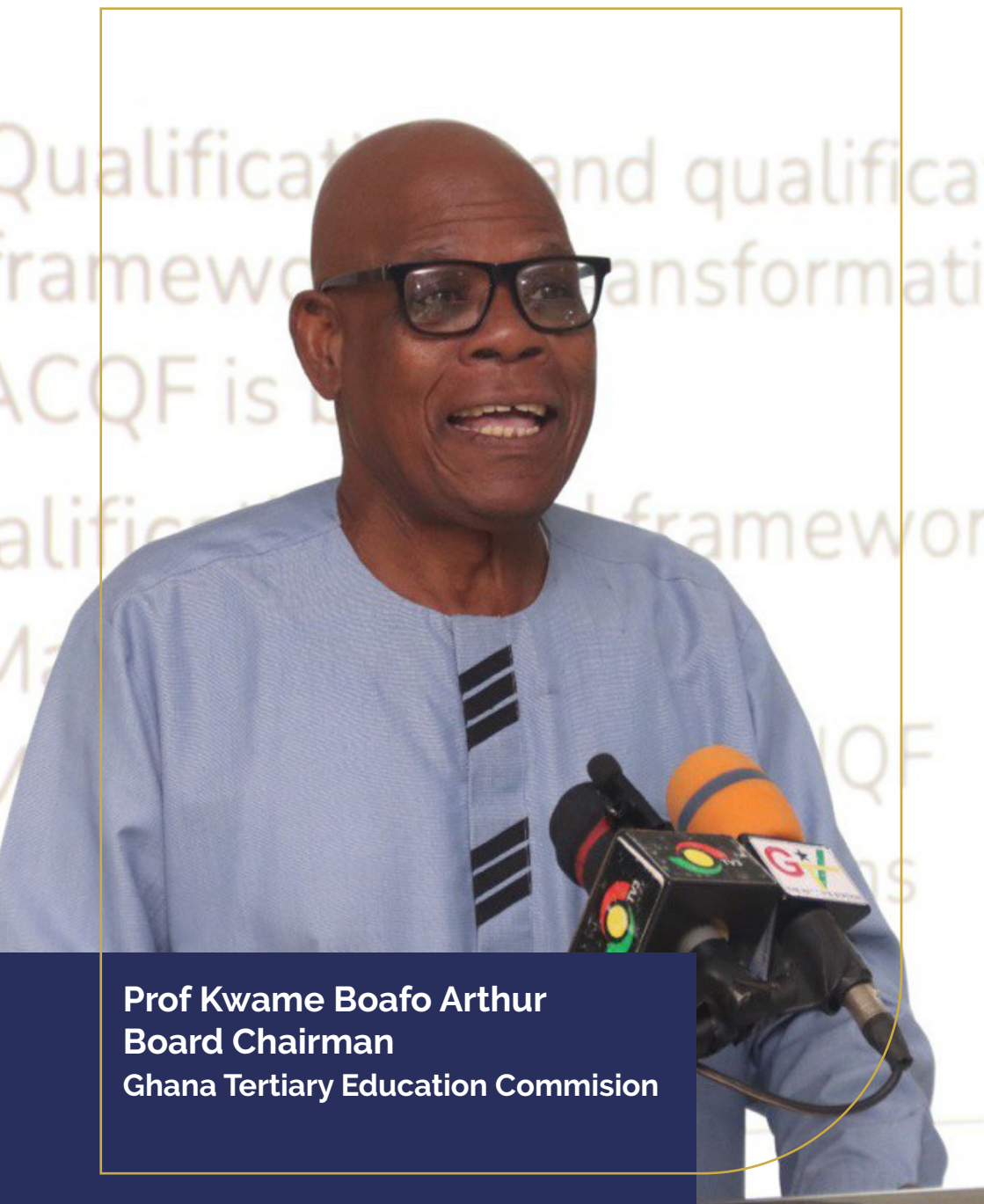
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Director General
Ghana Tertiary Education Commission



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About the Ghana Tertiary Education Commission

The National Council for Tertiary Education (NCTE) and the National Accreditation Board (NAB) have been merged under the new Education Regulatory Bodies Act, 2020 (Act 1023) to form the Ghana Tertiary Education Commission.

The Ghana Tertiary Education Commission (GTEC) is established as a body corporate to regulate tertiary education in Ghana with a view to promote

- Efficient and effective administration and accreditation of tertiary education institutions;
- Principles of the provision of consistent quality of service by tertiary education institutions;
- Advancement and application of knowledge through teaching, scholarly research and collaboration with industry and the public sector; and
- the development of appropriate human capital for the sustainable advancement of the national economy.

As per our mandate the commission functions extensively across general, advisory, co-ordinating, regulatory, accreditation and any other function necessary for the attainment of the objects of the Commission.

Vision

“ Driving a world class tertiary education system for national development. ”

Mission

Ghana Tertiary Education Commission exists to ensure equitable access to relevant world class tertiary education through the formulation and coordination of policies and plans, provision of accreditation and quality assurance

Core Values of GTEC

Professionalism

Transparency

Accountability

Inclusiveness

Integrity

ACCREDITATION MADE EASY

1

Letter of Intent

Submit a letter of intent to GTEC stating a brief blueprint of what the applicant institution seeks to achieve, proposed affiliate institution(s), & proposed institution name(s) for clearance from the Commission.

2

Application for Site Clearance

Visit by an appropriate Committee of the Board to the physical site for review of its suitability to function as a place of learning.

3

Application for Institutional Authorization

Complete an Institutional Authorization Questionnaire and interview with relevant Committee of the Board





Strategic Plan 2023-2027

The development of GTEC's first Strategic Plan is part of the first steps to enable the commission to fulfil the expectations imposed on it by the Education Regulatory Bodies Act, 2020 (Act 1023) in light of a rapidly changing tertiary education sector.

We present seven strategic thrusts that align with the Tertiary Education Policy, the Educational Strategic Plan (2018–2030) and the key divisional functions of the Ghana Tertiary Education Commission;

- Foster efficient management, governance, financing, and accountability in tertiary education
- Foster equitable access and participation to inclusive tertiary education and achieve 34.24% GER in tertiary education
- Promote quality tertiary education through effective accreditation and quality assurance
- Operationalise an improved system of credentials evaluation
- Build the capacity of the secretariat and strengthen administrative support systems
- Foster quality teaching and learning of Science, Technology, Engineering and Mathematics
- Foster relevant research to support national development

NATIONAL TERTIARY EDUCATION CONFERENCE (NTEC)





NTEC 2024

► THEME:

TRANSFORMING
TERTIARY EDUCATION
IN GHANA: DIALOGUE,
POLICY AND PRACTICE



"In the face of global challenges, the Ghana Tertiary Education Commission is committed to fostering a robust tertiary education system that is resilient, adaptive, and future-ready."

Prof. Ahmed Jinapor Abdulai
Director General GTEC

Director General's Message

Your Excellency Nana Addo Dankwa Akufo-Addo, Ministers of State, Honourable Members of Parliament, Heads of Educational Institutions, Colleagues from Academia, Representatives from Industry, Government, and Civil Society, Invited Guests, Members of the Press, Ladies and Gentlemen,

On behalf of the Ghana Tertiary Education Commission (GTEC), it is both a profound privilege and a great honour to warmly welcome you to the inaugural edition of the National Tertiary Education Conference (NTEC), an initiative that seeks to redefine the contours of higher education in Ghana. This significant gathering, which is taking place at a time of unprecedented global challenges and evolving educational paradigms, holds the promise of charting new and exciting pathways for the future of tertiary education in our nation.

This premier forum brings together over 400 participants, comprising university leaders, scholars, researchers, policymakers, students, industry captains, and other critical stakeholders. It is this rich diversity of perspectives that sets the stage for a dynamic exchange of ideas and meaningful collaboration.

Ladies and Gentlemen, the organization of this conference could not be more timely. Across the globe, higher education institutions are undergoing transformative shifts as they respond to the demands of an ever-changing world driven by technological advancements, economic uncertainties, and complex social issues. In the face of these global realities, the Ghana Tertiary Education Commission is committed to fostering a robust tertiary education system that is resilient, adaptive, and future-ready. This conference, therefore, stands as a pivotal platform for advancing our efforts in policy development, innovative pedagogy, and research excellence.

The theme of this year's conference, **"Transforming Tertiary Education in Ghana: Dialogue, Policy, and Practice,"** encapsulates the core objective of bridging the gap between theoretical policy formulation and practical implementation. We seek to initiate dialogue that not only reflects the aspirations of our education system but also addresses the critical issues of our time, including the integration of emerging technologies such as Artificial Intelligence in education, the

realignment of curricula to meet the demands of industry, and the need for more sustainable and inclusive funding models.

Distinguished Colleagues, the National Tertiary Education Conference is not only a space for intellectual discourse, but also a platform for forging strategic partnerships. The dialogue we initiate here must be backed by decisive action and sustained collaboration between academia, government, industry, and other stakeholders. I am confident that the ideas and solutions generated in this forum will serve as the blueprint for transforming our tertiary education landscape and ensuring that our institutions are well-positioned to address the challenges of the 21st century.

Let me take this opportunity to express my profound gratitude to all our partners, sponsors, and collaborators, whose generous contributions have made this event possible. Your unwavering support is a testament to your commitment to the future of education in Ghana, and we look forward to continuing this fruitful partnership as we move forward.

I want to also express my profound appreciation to the Conference Organizing Committee, who have worked tirelessly over the last six months to raise funds, develop the conference content, secure keynote and plenary speakers, and make the complex logistical arrangements for this programme. You have done an outstanding job and we are most grateful for your commitment and diligence.

In closing, let me once again extend my deepest appreciation to all who have made time to be part of this historic event. Your presence here today speaks to your dedication to the advancement of higher education in Ghana and beyond. May the discussions over the next three days inspire new ideas, foster innovative solutions, and ultimately lead to a brighter future for our nation's tertiary education system.

Thank you all for your attention, and I wish you a successful and rewarding conference.

Professor Ahmed Jinapor Abdulai

Director General, Ghana Tertiary Education Commission

About the National Tertiary Education Conference

The National Tertiary Education Conference (NTEC) represents a bold and transformative initiative introduced by the Ghana Tertiary Education Commission to reimagine tertiary education in Ghana. This inaugural event, to be held from November 05 to 07, 2024, marks a significant milestone in the nation's educational landscape, positioning it as a premier platform for discussing and shaping policies that will respond to emerging trends, global challenges, and future opportunities within higher education.

Under the overarching theme "Dialogue, Policy, and Practice," the NTEC seeks to bridge the gap between policy formulation and educational practice by fostering meaningful collaboration between academia, government, industry, and other key stakeholders. The conference will bring together over 400 participants, including university leaders, researchers, policymakers, employers, and students, creating a rich and diverse environment for exchanging ideas and fostering innovation.

Key Focus Areas

The conference will address several critical areas shaping tertiary education, including:

1. **Policy Development and Innovation:** How can policies be crafted to respond effectively to current global trends in education, particularly in areas such as quality assurance, academic freedom, and institutional autonomy?
2. **Artificial Intelligence (AI) in Education:** Exploring the transformative role of AI in enhancing student learning, teaching methodologies, and research outcomes.
3. **Pedagogy and Curriculum Innovation:** How can educational institutions reshape curricula to better equip graduates with the entrepreneurial skills and competencies required in today's job market?

The conference will feature a series of high-level plenary sessions, general forums, poster presentations, and interactive panel discussions. Thought leaders from academia, industry, and government will spearhead these

discussions, offering their insights and expertise on how to drive progress in tertiary education through innovation, research, and policy alignment.

In addition to the main theme, the conference will explore several sub-themes, including:

1. **Student Participation in Policy Formulation:** Addressing how students can be more actively involved in shaping educational policies that directly impact their learning experience and future careers.
2. **Graduate Employability and Curriculum Design:** Rethinking academic programmes to align with the demands of employers and emerging industries.
3. **Research, Development, and Innovation:** Showcasing cutting-edge research and innovations, including the role of the World Bank African Centres of Excellence in driving educational reforms and advancements.
4. **Alternate Funding Models for Tertiary Education:** Exploring sustainable funding models that can support the growth and internationalization of tertiary institutions.
5. **Educational Technology and Open Distance Learning (ODL):** Examining the potential of educational technologies to enhance learning outcomes, especially through the expansion of ODL opportunities.

Showcasing the Impact of the World Bank Africa Higher Education Centres of Excellence (ACE) Project in Ghana

The This year's National Tertiary Education Conference (NTEC) will spotlight the World Bank Africa Higher Education Centres of Excellence (ACE) Project, which celebrates its 10th anniversary. The ACE project aims to promote regional specialization among universities across Africa to address critical challenges in areas such as health, agriculture, engineering, and environmental sustainability. It also seeks to strengthen the capacities of these universities to deliver high-quality training and applied research.

Ghana plays a key role in this initiative, with nine Centres of Excellence (ACEs) hosted by five of the country's public universities, out of the 54

spread across the continent. The University of Ghana is home to three ACEs: the West African Centre for Cell Biology of Infectious Pathogens (WACCBIP), the West African Centre for Crop Improvement (WACCI), and the West African Genetic Medicine Centre (WAGMC). Kwame Nkrumah University of Science and Technology (KNUST) hosts three centres as well: the KNUST Engineering Education Project (KEEP), the Regional Water and Environmental Sanitation Centre, Kumasi (RWESCK), and the Regional Transport Research and Education Centre, Kumasi (TRECK).

In addition, other institutions in Ghana contributing to the ACE project include the University of Cape Coast, which hosts the Africa Centre of Excellence in Coastal Resilience (ACECoR); the University for Development Studies, hosting the West African Centre for Water, Irrigation and Sustainable Agriculture (WACWISA); and the University of Energy and Natural Resources, which is home to the Regional Centre of Energy & Environmental Sustainability (RCEES).

During the conference, each of these centres will present on their specific mandates and the impact they have made within their respective fields over the past decade, showcasing the profound role the ACE project has played in advancing higher education and research in Africa.

A Platform for Collaboration and Innovation

The NTEC is designed to be a dynamic and participatory forum, where stakeholders from various sectors can come together to share best practices, present research findings, and engage in forward-thinking discussions.

The conference also recognizes the pivotal role of industry and employers in shaping the future of education. Special fora will allow industry leaders to discuss the skills and competencies they require from graduates and how educational institutions can collaborate with the private sector to meet these needs.

Inclusive Participation and Access

The NTEC is committed to ensuring broad and inclusive participation. Attendance is open to all interested individuals, including academic professionals, researchers, policymakers, and students. All tertiary institutions and relevant stakeholders were invited to nominate participants to attend the conference. Furthermore, interested individuals could also register to participate in the conference, with the option to submit abstracts for consideration.

To encourage wide participation, the Commission considered waivers for a select number of participants from various institutions, ensuring that all key stakeholders have the opportunity to contribute to the dialogue.

Funding and Partnerships

The success of the NTEC has been supported by a combination of participation fees and partnerships with donors and sponsors. The conference offers unique opportunities for institutions, development partners, and corporate organizations to contribute to the growth of tertiary education in Ghana. Sponsors have the opportunity to showcase their brands and initiatives through various platforms, including advertising in the conference brochure and exhibition spaces at the venue.

Looking Ahead

As the first of its kind under the now GTEC, the National Tertiary Education Conference is poised to set the stage for future conferences that will continue to drive innovation, policy development, and collaboration in the field of higher education. By bringing together thought leaders and stakeholders, the NTEC will serve as a catalyst for meaningful change, ensuring that Ghana's tertiary education system is not only responsive to contemporary challenges but also aligned with global best practices. This is a unique opportunity to contribute to the shaping of policies and practices that will define the future of education in Ghana.

PROGRAMME OUTLINE

DAY 1

TIME	ACTIVITY
7:00 AM – 8:45 AM	Registration of Participants
8:45 AM	Opening Prayer
9:05 AM	Welcome Address <i>Prof. Nana Aba Appiah Amfo, Vice-Chancellor, University of Ghana</i>
9:00 AM	Purpose of the Conference <i>Prof. Ahmed Jinapor Abdulai, Director General, Ghana Tertiary Education Commission</i>
9:10 AM	Conference Overview <i>Prof. Gordon Awandare, Chairman of the Conference Organizing Committee and Pro VC, University of Ghana</i>
9:20 AM	Remarks by the Minister of Education <i>Hon. Dr Osei Yaw Adutwum, Minister for Education</i>
9:30 AM	Address by Special Guest of Honour <i>His Excellency Nana Addo Dankwa Akufo-Addo, President of the Republic of Ghana</i>
9:45 AM	Group Photographs and President's Departure
10:00 AM	A Short Documentary on the African Centres of Excellence Project <i>Dr. Edmund Aalandong</i>
10.20AM	Keynote Address <i>Prof. Ernest Aryeetey, Former Vice Chancellor, University of Ghana</i>
10:50AM	First Break (30 Mins)

11:20 AM	SESSION ONE – CURRICULUM DEVELOPMENT, PEDAGOGY, QUALITY ASSURANCE AND REGULATION IN TERTIARY EDUCATION
11:20 AM	Strategies for Effective Governance of Higher Education Institutions <i>Prof. Atsu Ayee, University of Ghana (UG)</i>
11:45 AM	Trends in Curriculum Development in Tertiary Education <i>Prof. Ernest K. Davis, Provost, College of Education, University of Cape Coast (UCC)</i>
12:05 PM	Managing Quality Assurance in Higher Education Institutions <i>Prof. Daniel Twerefou, Director of Quality Assurance, University of Ghana (UG)</i>
12:30 PM	Lunch Break
1:30 PM	Developing and Implementing Ghana’s Ecosystem of National Qualifications Framework (NQF), Credit Accumulation and Transfer System (CATS), and Recognition of Prior Learning (RPL) <i>Eduarda Castel Branco</i>
1.50 PM	Effective Pedagogical Approaches in Tertiary Education <i>Prof. Yaw Oheneba-Sakyi, Head, Teaching Excellence Unit, Centre for Teaching and Learning Innovation, University of Ghana</i>
2:30 PM	Question and Answer Session
3:00PM	Coffee Break

3:30 PM	<p>Impact of ACE Centres in Ghana Chairman: Prof Mohammed Salifu, Former Director-General - GTEC</p> <ul style="list-style-type: none"> • <i>Africa Centre of Excellence in Coastal Resilience (ACECOR), University of Cape Coast</i> • <i>KNUST Engineering Education Project (KEEP)</i> • <i>Regional Centre for Energy and Environmental Sustainability (RCEES), University of Energy and Natural Resources (UENR)</i> • <i>Regional Water and Environmental Sanitation Centre Kumasi (RWESK), Kwame Nkruma University of Science and Technology (KNUST)</i> • <i>Regional Transport Research and Educational Centre (TRECK), Kwame Nkruma University of Science and Technology (KNUST)</i> • <i>West African Centre for Crop Improvement (WACCI), University of Ghana (UG)</i> • <i>West Africa Centre for Water, Irrigation and Sustainable Agriculture (WACWISA), University for Development Studies (UDS)</i> • <i>West African Genetic Medicine Centre (WAGMC), University of Ghana (UG)</i>
4.30 PM	End of Day

DAY 2

TIME	ACTIVITY
9:00 AM	Introduction of Session Chair
9:05 AM	SESSION TWO – RESEARCH DEVELOPMENT AND INTERNATIONALIZATION
	Chairman: Prof. Albert Luguterah <i>Vice Chancellor, C. K. Tedem University of Technology and Applied Science, Navrongo</i>
9:05 AM	Impact of ACE project on the research ecosystem in Ghana and how to sustain the Centres Prof. Gordon A. Awandare <i>Founding Director, West African Centre for Cell Biology of Infectious and Non-Communicable Diseases (WACCBIP) and Pro VC (Academic and Student Affairs), University of Ghana</i>
9:25 AM	Research Development and Internationalization Prof. Dorcas Obiri-Yeboah <i>Deputy Director, Directorate of Research, Innovation and Consultancy (DRIC), University of Cape Coast</i>
9:45 AM	Ghana's Credit Accumulation and Transfer System (GhCATS) <i>James Mwena</i>
10:05 AM	First Break (30 Mins)
10:35 AM	First Parallel Session CURRICULUM DEVELOPMENT/PEDAGOGY/REGULATION Group 1: Curriculum Development and Pedagogy <i>Chair: Prof. Yaw Oheneba-Sakyi</i> Group 2: Regulation <i>Chair: Prof Samuel Atintono</i> Group 3: Quality Assurance I <i>Chair: Prof Daniel Twerefou</i>

1:00 PM	Lunch Break
2:00 PM	<p>Second Parallel Session</p> <p>INDUSTRYLINKAGES/EMPLOYABILITY/FUNDING/SUSTAINABILITY</p> <p>Group 1: Funding and internationalization <i>Chair: Prof Denis Aheto, Centre Leader, ACECOR, University of Cape Coast</i></p> <p>Group 2: Industry linkages and graduate employability <i>Chair: Prof. Fred McBagonluri, President, Academic City University College</i></p> <p>Group 3: Quality Assurance II <i>Chair: Prof Felix Abagale, Centre Leader, WACWISA, and former Pro VC, University for Development Studies</i></p>
3.30 PM	Briefing/Report on Breakout Sessions by Session Chairs/ Rapporteurs
4:00 PM	Networking cocktail

LIST OF PRESENTERS / SCHEDULE OF PRESENTATIONS

PARALLEL SESSION I

CURRICULUM DEVELOPMENT/REGULATION/QUALITY ASSURANCE

Group 1: Curriculum Development and Pedagogy		
Chair: Ing. Prof. Abena Obiri-Yeboah		
Presentation	Title	Presenter
1	Challenges of arts-based curriculum development and implementation in Ghanaian tertiary institutions	Osuanyi Quaicoo University of Education, Winneba
2	The development of a paediatric oncology pharmacy curriculum for Africa	Ebenezer Wiafe University of Health and Applied Sciences, Ho
3	Bridging the gap: addressing the misalignment between teacher education programmes and Basic school curriculum in History education	Prince Essiaw Enchi College of Education, Enchi
4	Assessing Junior High School Social Studies teachers' knowledge of the 21 st -century skills in the Social Studies curriculum	Emmanuel Brew Enchi College of Education, Enchi
5	Impact of large class size on Lecturers' teaching and assessment practices: a cross-sectional survey at the University for Development Studies	Iddrisu Bariham University for Development Studies, Tamale
Group 2: Regulation		
Chair: Prof Samuel Atintono		
Presentation	Title	Presenter
6	Evaluating Colleges of Education Integrated Science curriculum's environmental sustainability content towards a responsive framework	Joseph Parker Enchi College of Education, Enchi
7	Curriculum development, pedagogy, quality assurance, and regulation in Ghanaian tertiary education: challenges and prospects	Samuel Lartey Regent University College of Science and Technology, Accra

8	Enhancing mathematics pedagogy for improving learning outcomes among mathematics PhD students in Ghana	Ebenezer Bonyah Akenten Appiah-Menka University of Skills Training and Entrepreneurial Development
9	Science tutors' self-efficacy in integrating ICT in teaching in the Colleges of Education in the Northern Zone of Ghana	Justice Kobina Asmah St. Vincent College of Education, Yendi
10	Curriculum development, pedagogy and quality assurance regulations: perspectives, strides and preferences	Gifty Serwaa Nyarko SDA College of Education, Asokore
Group 3: Quality Assurance I		
Chair: Prof Daniel Twerefou		
Presentation	Title	Presenter
11	SWOT analysis of student registration and the effects of non-registration on examination processes – a case study at Kumasi Technical University	Emmanuel Omari-Siaw Kumasi Technical University, Kumasi
12	Leveraging technology and innovation to enhance Quality Assurance in Higher Education	Francis Ohene Boateng Akenten Appiah-Menka University of Skills Training and Entrepreneurial Development
13	Quality Assurance and Regulatory Compliance in Ghana's Education sector: a case study of Colleges of Education	Samuel Agyemang Bia Lamplighter College of Education, Sefwi Debsio
14	Addressing Quality Assurance and inequality in tertiary education: a critical evaluation of GTEC's role in resource allocation, appointments, and institutional support	Amevi Acakpovi Accra Technical University, Accra
15	Disparities in promotion standards among tertiary institutions in Ghana: a focus on Journal credibility and assessment processes	Abdul Kadir Salifu Tamale College of Education, Tamale

PARALLEL SESSION II
**INDUSTRY LINKAGE/EMPLOYABILITY/FUNDING/
INTERNATIONALIZATION**

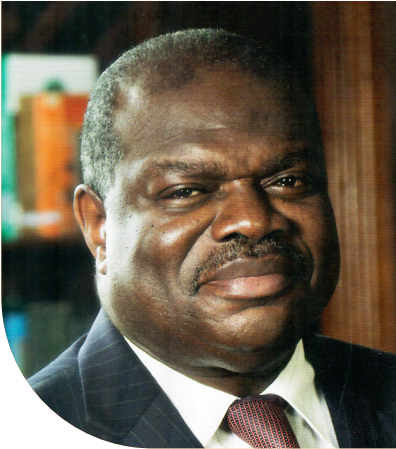
Group 1: Funding and internationalization		
Chair: Prof Denis Aheto		
Presentation	Title	Presenter
16	Regulatory implications for Transnational Education and Internationalization of Tertiary Education Institutions	E. Takyi Ankomah-Asare Ghana Tertiary Education Commission, Accra
17	Research development and Internationalization in Ghana’s Tertiary Education: the role of ACE projects and their implications for Educational Advancement	Samuel Lartey Regent University College of Science and Technology, Accra
18	Research funding and literacy development in Ghana	Dorcas Pearl Slippe University of Cape Coast, Cape Coast
19	Funding need of Technical Universities: are the Strategic Plans comprehensive?	Bismark Quarku Parker Kumasi Technical University
20	Research abstract: multiplex network analysis of research funding and collaboration	E. Takyi Ankomah-Asare Ghana Tertiary Education Commission, Accra
Group 2: Industry Linkages and Graduate Employability		
Chair: Prof. Fred McBagonluri		
Presentation	Title	Presenter
21	Strengthening Industry Linkage and enhancing Employability through vocational training: a case study of the Fred Newton Binka School of Public Health	Frank Baiden University of Health and Applied Sciences, Hohoe Campus
22	Analyzing fashion students’ industrial Attachment experiences in Ghana: evidence from Ordinal logistic regression	Kofi Ababio Kumasi Technical University
23	Rethinking innovator employability: the Triple Helix factor	Frank Boateng

		University of Mines and Technology
24	Bridging the gap between Industry and Academia: preparing for the age of Artificial Intelligence	Adam Salifu University of Professional Studies Accra
25	Quality Assurance and Regulatory Compliance in Ghana's Education Sector: A Case Study of Colleges of Education.	Samuel Agyemang, Sumaila Issah, Samuel Donkoh Bia Lamplighter College of Education
Group 3: Quality Assurance II		
Chair: Prof Felix Abagale		
Presentation	Title	Presenter
26	Introducing a Sustainability and 4IR-Driven BTech Curriculum framework: insights from Accra Technical University and policy recommendations for GTEC	Amevi Acakpovi, Florence Plockey Accra Technical University, Accra
27	Evaluating Journal credibility: a Study of publications by Academic Staff of Technical Universities in Ghana	Abdul Kadir Salifu Tamale College of Education, Tamale
28	University visibility through quality research: University of Education, Winneba in focus	Emma S. Eshun University of Education, Winneba
29	Quality assurance in curriculum development in Ghana's Higher Education system: a case study of UMaT	Bernice Worlanyo Nyadzi University of Mines and Technology, Tarkwa
30	Skill gap in professional accounting competencies in Ghana: analysis of compliance with international accounting education standards	Richard Oduro University of Education, Winneba

DAY 3

TIME	ACTIVITY
9:00 AM	Introduction of Session Chair
9:05 AM	SESSION THREE – INDUSTRY LINKAGE, EMPLOYABILITY, FUNDING AND SUSTAINABILITY
	<i>Chairman: Prof Nii Boye Tagoe Former Vice-Chancellor, University of Ghana, and former Board Chairman, erstwhile National Commission on Tertiary Education</i>
9:05 AM	Developing Employable Graduates – Challenges and Solutions <i>Prof. Fred McBagonluri President, Academic City University College</i>
9:25 AM	Sustainable Funding of Tertiary Education – Assessment of Best Practices <i>Dr. Patrick Awuah President, Ashesi University</i>
9:45 AM	Strategies for Building Effective University-Industry Partnership <i>Prof Rosemond Boohene Pro VC, University of Cape Coast</i>
10:05 AM	Break

11:05 AM	<p>Panel Discussion – The Role of Government, Industry and International funding agencies in Funding Tertiary Education</p> <ul style="list-style-type: none"> • <i>Representative, MasterCard Foundation</i> • <i>Representative, Vice-Chancellor’s Ghana</i> • <i>Representative, National Union of Ghana Students</i> • <i>Representative, Association of Ghana Industries</i> • <i>Representative, Council of Independent Universities</i> • <i>Representative, Vice Chancellors, Technical Universities Ghana</i> • <i>Representative, Colleges of Education Teachers Association of Ghana</i> • <i>Other Experts</i>
12:30PM	<p>Closing Remarks <i>Prof. Ahmed Jinapor Abdulai</i> <i>Director-General, GTEC</i></p>
12:45 PM	<p>Vote of Thanks <i>Dr. Emmanuel Newman</i> <i>Conference Organizing Committee</i></p>
1:00 PM	<p>Lunch and Departure</p>



Keynote Speaker

Emeritus Prof. Ernest Aryeetey

Keynote Speaker

Profile

Ernest Aryeetey is an Emeritus Professor at the Institute of Statistical, Social and Economic Research (ISSER) at the University of Ghana. Until 31st July 2024, he was the secretary general of the African Research Universities Alliance (ARUA). He is a Professor of Economics and former Vice-Chancellor of the University of Ghana (2010-2016). He was also previously Director of the Institute of Statistical, Social and Economic Research (ISSER) (2003-2010) at the University of Ghana and the first Director of the Africa Growth Initiative of Brookings Institution, Washington D.C.

He has held academic appointments at the School of Oriental & African Studies (London), Yale University and Swarthmore College in the U.S. Ernest Aryeetey was a member of the Governing Council of the United Nations University (2016-2019) and was also previously Chairman of the Advisory Board of the UNU-World Institute for Development Economics Research (Helsinki). He is currently the Board Chairman of the African Economic Research Consortium. He was, until recently, the Board Chairman of Stanbic Bank Ghana Limited. He holds honorary degrees from the University of Sussex (UK), Lund University (Sweden), Stellenbosch University (South Africa), University of Ghana, Legon (Ghana), University of Health and Applied Sciences (UHAS), Ghana) and University of Glasgow (Scotland, UK).



Strategies for Effective Governance of Higher Education Institutions

Prof. Atsu Ayee

Speaker

Profile

Joseph Atsu Ayee, a retired professor of political science, has held various leadership positions in higher education institutions in Ghana and South Africa. With extensive experience in governance, leadership, and public policy, he has authored numerous publications and supervised numerous graduate students. Ayee has also served on various committees and boards, contributing to national policies and initiatives. His current research focuses on higher education governance, doctoral education, and political transitions





Trends in Curriculum Development in Tertiary Education

Professor Ernest Kofi Davis

Speaker

Profile

Professor Ernest Kofi Davis, a renowned mathematics educator, has made significant contributions to the field through his teaching, research, and curriculum development. With expertise in socio-cultural issues, mathematics content, and teacher education, he has been involved in numerous local and international projects. Davis has received prestigious awards and is a member of various professional associations. His research and publications have had a lasting impact on mathematics education in Ghana and beyond.





Managing Quality Assurance in Higher Education Institutions

Prof. Daniel K. Twerefou

Speaker

Profile

Prof. Daniel K. Twerefou, an expert in environment and natural resource economics, has made significant contributions through his teaching, research, and consulting work. With a strong academic background and expertise in climate change, natural resource accounting, and environmental policy, he has published extensively in reputable journals and worked with various international organizations.

Twerefou currently serves as the Director of the Academic Quality Assurance Directorate at the University of Ghana, leveraging his expertise to enhance quality assurance in higher education.



NTEC 2024



Developing and Implementing Ghana's Ecosystem of National Qualifications Framework (NQF)

Eduarda Castel Branco

Speaker

Profile

Eduarda Castel Branco, a seasoned expert in qualifications and credentials frameworks, has extensive experience working in international cooperation, particularly in Africa and Europe. As the ACQF-II coordinator, she has played a pivotal role in developing the African Continental Qualifications Framework (ACQF) and supporting its implementation in various countries. Additionally, she has contributed to the development of national qualifications frameworks (NQF) in several African countries and has been involved in various projects related to labor market information and youth mobility. Her expertise and contributions have been instrumental in advancing qualifications frameworks and promoting skills development across the continent.





Effective Pedagogical Approaches in Tertiary Education

Prof. Yaw Oheneba-Sakyi

Speaker

Profile

Professor Yaw Oheneba-Sakyi, a renowned expert in educational technology, has made significant contributions to higher education both nationally and internationally. With extensive experience in distance education, instructional design, and online learning, he has played a pivotal role in implementing innovative teaching and learning strategies. His research and mentorship have been instrumental in advancing educational technology and fostering academic excellence. Professor Oheneba-Sakyi's dedication to his field has earned him recognition and respect from the academic community..





Research Development and Internationalization

Prof. Dorcas Obiri-Yeboah

Speaker

Profile

Prof. Dorcas Obiri-Yeboah, a professor of clinical microbiology at the University of Cape Coast, holds a medical degree from KNUST, a master's from the University of Nottingham, and a PhD from KNUST and the London School of Hygiene and Tropical Medicine. She has undergone training globally in countries like Japan, Germany, Switzerland, and the Netherlands. Prof. Obiri-Yeboah has extensive teaching and mentorship experience in health disciplines, and has held various administrative positions. She is a prolific researcher with over 120 publications and has contributed to important policy documents. Currently, she is involved in NIH-funded projects focusing on cervical cancer prevention. She has received several awards and is active in various professional organizations and networks, including the International Papillomavirus Society.





Impact of ACE project on the research ecosystem in Ghana and how to sustain them?

Prof. Gordon A. Awandare

Speaker

Profile

Prof. Gordon Awandare, a distinguished researcher and academic administrator, has made significant contributions to the field of infectious diseases and the development of scientific research in Ghana. As the Founding Director of the West African Centre for Cell Biology of Infectious Pathogens (WACCBIP), he has played a pivotal role in establishing and sustaining a world-class research center. His expertise in infectious diseases, coupled with his leadership and fundraising skills, has secured substantial funding for WACCBIP and ensured its long-term sustainability. Professor Awandare's achievements have been recognized with numerous awards and accolades, solidifying his reputation as a leading figure in the scientific community





Ghana's Credit Accumulation and Transfer System (GhCATS)

James Mwewa

Speaker

Profile

Eng. James Mwewa is one of the Technical Experts facilitating the implementation of the African Continental Qualifications Framework (ACQF) through the ACQF-II Project. He is also a certified Quality Management Systems (ISO 9001:2015) and Productivity Improvement (Kaizen) Expert.

Eng. Mwewa is experienced in the areas of developing national qualifications frameworks and related policies and guidelines for credit accumulation and transfer systems, recognition of qualifications, registration of qualifications, maintaining databases of learning achievement records, as well as developing national occupational standards.

In addition, Eng. Mwewa has a broad knowledge base in the field of quality assurance in higher education – specifically in areas pertaining to; defining the role of quality assurance agencies, regulating providers of cross-border higher education, establishment of institutions of higher learning, assessment of quality in institutions of learning, quality assurance systems development, internal quality assurance and external quality assurance.



Developing Employable Graduates – Challenges and Solutions

Prof. Fred McBagonluri

Speaker

Profile

Prof. Fred McBagonluri, a distinguished academic and business leader, has made significant contributions to the fields of engineering and higher education. With a strong academic background and extensive industry experience, he has held leadership positions at prestigious institutions and Fortune 500 companies. Professor McBagonluri's expertise and achievements have been recognized with numerous awards and accolades, solidifying his reputation as a prominent figure in his field.





Sustainable Funding of Tertiary Education – Assessment of Best Practices

Dr. Patrick Gyimah Awuah Jr

Speaker

Profile

Patrick Gyimah Awuah Jr., a visionary leader and entrepreneur, founded Ashesi University in Ghana with the aim of providing a high-quality, liberal arts education. With a strong academic background and a passion for education, Awuah returned to his home country to establish Ashesi, a university that would foster critical thinking, ethical leadership, and social responsibility. Awuah's dedication and accomplishments have been recognized with numerous awards and honors, including the Order of the Volta, the Elise and Walter A. Haas International Award, and the MacArthur Fellowship. His leadership has also been acknowledged by prestigious organizations such as the Africa Leadership Initiative and the United Nations Educational, Scientific, and Cultural Organization (UNESCO). As the President of Ashesi University, Awuah has played a pivotal role in shaping the institution's mission and guiding its growth. Under his leadership, Ashesi has become a renowned university, known for its innovative curriculum, dedicated faculty, and engaged student body. Awuah's commitment to providing a transformative education has had a profound impact on the educational landscape in Ghana and beyond.



Strategies for Building Effective University Industry Partnership

Prof. Rosemond Boohene

Speaker

Profile

Professor Rosemond Boohene, a distinguished leader in higher education, is the Pro Vice-Chancellor of the University of Cape Coast and a renowned expert in entrepreneurship and small business development. With over 27 years of experience, she has spearheaded initiatives to foster entrepreneurial thinking within the university, including establishing the Centre for Entrepreneurship and the Design Thinking Hub. Professor Boohene's expertise extends to project management, having secured funding from various international organizations like the EU and the UN. Her contributions have been felt through presentations, workshops, and mobilizing resources, making her a valuable asset to the university and the field of entrepreneurship education.





About the Africa Higher Education Centers of Excellence (ACE) Project

The Africa Higher Education Centers of Excellence (ACE) Project is a World Bank initiative in collaboration with governments of participating countries to support Higher Education institutions in specializing in Science, Technology, Engineering and Mathematics (STEM), Environment, Agriculture, applied Social Science / Education and Health. It is the first World Bank project aimed at building the capacity of higher education institutions in Africa.

The first phase (ACE I) was launched in 2014 with 22 Centers of Excellence in nine (9) countries across West and Central Africa – Benin, Burkina Faso, Cameroon, Côte d'Ivoire, The Gambia, Ghana, Nigeria, Senegal and Togo.

ACE@10: A Decade of Advancing Post-Graduate Education in Excellence in Africa

The Project aims to promote regional specialization among participating universities in areas that address specific common regional development challenges. It also aims to strengthen the capacities of these universities to deliver high quality training and applied research and meet the demand for skills required for Africa's development.

The second phase (ACE II) was launched in East and Southern Africa with 24 centers across 8 countries including Ethiopia, Kenya, Malawi, Mozambique, Rwanda, Tanzania, Uganda and Zambia.

Based on the initial successes, the World Bank and the French Development Agency (AFD) in collaboration with the African governments, launched the ACE Impact Project in 2018 to strengthen post-graduate training and applied research in existing fields and support new fields essential for Africa's economic growth. The new areas include sustainable cities; sustainable power and energy; social sciences and education; transport; population health and policy; herbal medicine development and regulatory sciences; public health; applied informatics and communication; and pastoral production.



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54
Project Centres
across Africa

9 ACE's in Ghana





ACECOR

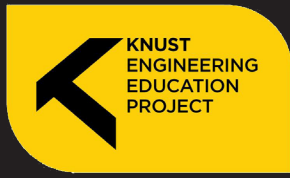
AFRICA CENTRE OF EXCELLENCE IN COASTAL RESILIENCE (ACECOR)

The Centre for Coastal Management (CCM) was established in 2013 to conduct demand-driven applied research, promote the development and running of professional short courses, and undertake extension activities.

In 2019, CCM attained the status of a Centre of Excellence under the World Bank ACE Impact Project and was designated as the Africa Centre of Excellence in Coastal Resilience (ACECoR). ACECoR seeks to support the development of the technical and scientific capacities of young African professionals to develop integrated solutions to address coastal degradation in coastal countries on the continent.

This is achieved through postgraduate education, research, short professional courses, and community and policy engagement activities. ACECoR collaborates closely with various relevant academic, industry, government and development institutions, and partners to achieve its mandate within Africa and globally.

Recognizing that coastal degradation is a complex and multifaceted problem, the overall research strategy for ACECoR adopts a systems-based approach where smaller multidisciplinary research projects are developed to eventually feed into the broad goal of addressing the challenge of coastal degradation. ACECoR seeks to train 120 graduates at the postgraduate (PhD and Masters) levels, in addition to 260 professionals (in short courses) across Africa.



KNUST ENGINEERING EDUCATION PROJECT (KEEP)

The KNUST ENGINEERING EDUCATION PROJECT (KEEP), at Kwame Nkrumah University of Science and Technology, Kumasi Ghana seeks to address the shortage of high-level skills and applied research in the area of Energy and Digital Development in Ghana and the sub-region. The vision of KEEP is to contribute to Ghana and the sub-region's industrial and digital revolution through excellence in engineering education, research and innovation.

The Centre is focused on strengthening postgraduate education at the College of Engineering, conducting, and disseminating applied research focused on addressing development challenges related to industrialization, digital development and energy.

The quality of education will be improved through the provision of infrastructure (classrooms and equipment) to enhance learning and research environment, structured internship with industry, collaboration with other universities, innovation and startups development. Applied research will be enhanced through strong partnership with industry - contract research, industry funded research that addresses priority applied research questions that meets the need of industry.



RCEES
ENERGY - ENVIRONMENT - SUSTAINABILITY

REGIONAL CENTER FOR ENERGY AND ENVIRONMENTAL SUSTAINABILITY (RCEES)

The Regional Centre of Energy & Environmental Sustainability (RCEES) established under the Africa Higher Education Centres of Excellence (ACE) Project.

The Centre is committed to conducting cutting-edge research in energy and environment as well as promoting quality & excellent postgraduate education that can transform and support sustainable development.

The vision at RCEES is: "to be the leading internationally accredited Centre of Excellence that provides Quality Research and Postgraduate Education in Energy and Environmental Sustainability."

Our mission is to provide excellent and quality postgraduate education, discover, preserve and disseminate cutting-edge interdisciplinary research. RCEES also aims, through training and capacity building, consulting, professional development, and securing grants and donor funding, to enhance the lives of our students, industry and society.

collaboration and support thus far from the Ministry of Energy, Ministry of Environment, Ministry of Education, BUI Power, Water Resources Commission and the Ghana Institute of Engineers and many others

THE REGIONAL WATER AND ENVIRONMENTAL SANITATION CENTRE KUMASI (RWESCK)

The Regional Water and Environmental Sanitation, Kumasi (RWESCK) at KNUST is a Centre of Excellence set up to scale up graduate studies and research in water and environmental sanitation.

Specific objectives of the Centre are: to build a state-of-the-art laboratory and lecture facility for post graduate education in water, environment and sanitation, develop new post graduate programmes (MSc/PhDs) in relevant thematic areas, develop and build capacity for research and development at PhD level and build strategic partnerships for outreach through students/faculty exchange, knowledge sharing and dissemination.

The Centre collaborates with national and regional partners to train the needed man power in the area of water and environmental sanitation to meet developmental challenges confronting the region and Ghana as a whole. RWESCK aims to be vibrant with an enhanced visibility and attractiveness and also leverage funds to attain sustainable financing beyond the World Bank funding.

The Regional Centre of Excellence for Water and Environmental Sanitation has a significant role to play in terms of capacity enhancement, research and addressing water and environmental sanitation challenges within the sub-region.



REGIONAL TRANSPORT RESEARCH AND EDUCATION CENTRE KUMASI (TRECK)

The Regional Transport Research and Education Centre, Kumasi (TRECK); a World Bank Africa Centres of Excellence (ACE), at the College of Engineering, Kwame Nkrumah University of Science and Technology Kumasi, in collaboration with national, regional and international academic institutions and sector stakeholders and partners, seeks to address the developmental challenges facing the transport sector within the sub-region through applied research, relevant educational programmes, training of professionals, leadership and development of strategic networks.

The vision of the centre is to be the leading hub for advancing applied research knowledge, developing and adapting innovative technologies, providing high quality training, leadership, and technology transfer in transport, mobility and integrated logistics.

Our mission remains to support improvements across the transport system.





WEST AFRICAN CENTRE FOR CELL BIOLOGY OF INFECTIOUS AND NON-COMMUNICABLE DISEASES (WACCBIP)

The West African Centre for Cell Biology of Infectious Pathogens (WACCBIP) is one of the World Bank's African Centres of Excellence (ACE) at the University of Ghana, led by faculty from the Department of Biochemistry, Cell and Molecular Biology (BCMB) and the Noguchi Memorial Institute for Medical Research (NMIMR) at the University of Ghana.

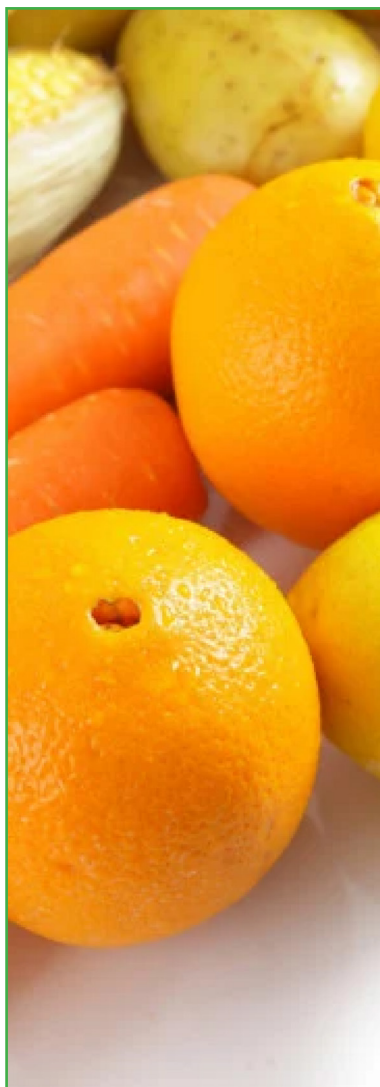
The Centre has a mandate to provide Master's, PhD & postdoctoral training, as well as targeted short courses in Bioinformatics, Cell & Molecular Biology, and to conduct applied research into infectious & non-communicable diseases, with the aim of increasing research and innovation by enhancing collaboration among biomedical scientists and industry leaders across Africa.

WEST AFRICAN CENTRE FOR CROP IMPROVEMENT (WACCI)

The West Africa Centre for Crop Improvement (WACCI) was established as a partnership between the University of Ghana (UG) and Cornell University, USA, in June 2007 to train Plant Breeders at the PhD level at the University of Ghana.

This partnership was driven by the earnest desire to train African plant breeders for the continent's staple and core crops. WACCI later introduced innovative MPhil and PhD programmes in Seed Science and Technology in 2015 under the World Bank Africa Centres of Excellence (ACE I) project.

To further strengthen agricultural entrepreneurship & innovation under the successor ACE Impact project, the Centre has partnered with various Agricultural and also business-related departments at the University, in addition to other regional and international universities, to provide the needed training and mentorship in seed science and technology.





WEST AFRICAN CENTRE FOR WATER, IRRIGATION AND SUSTAINABLE AGRICULTURE (WACWISA)

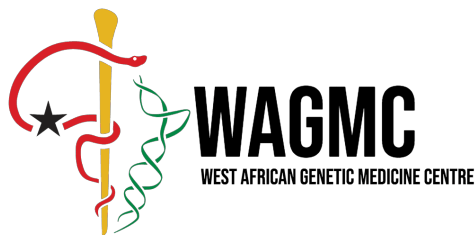
The West African Centre for Water, Irrigation and Sustainable Agriculture (WACWISA) was established in 2019 by the University for Development Studies (UDS) as a semi-autonomous Centre of Excellence to undertake cutting-edge research and training in irrigation, drainage, water resources management, sustainable agriculture, climate change and food and nutrition security.

WACWISA has as its vision "to be a leading world-class academic and research Centre specialized in irrigation, water resources, sustainable agriculture and climate change" and, a mission of "developing skills and knowledge of young men and women to provide practical and sustainable solutions to challenges of water resources, irrigation, agricultural development and climate change in Africa".

With a tagline "Building Capacities for Sustainable Solutions", WACWISA build's capacities of trainees and graduate students through short courses, Masters, PhD and post-doctoral level programmes, as well as undertakes applied and advanced research and develops sustainable localized technologies in water resources, irrigation, climate change, sustainable agriculture and food and nutrition.

Our training and research programmes are enhanced through established partnerships with research institutions and industry partners within Ghana, Africa and globally. The training system emphasizes quality and capacity building for students and places premium on practical skills and solutions to industry problems.

West African Genetic Medicine Centre (WAGMC)



The West African Genetic Medicine Centre (WAGMC) was established in 2019 to address the developmental health challenge of human genetic disorders in Africa notably sickle Cell Disease (SCD), as well as other genetic disorders. The Centre is multidisciplinary and draws its faculty from behavioral (e.g. Psychology) and biomedical (biochemistry, medical and allied health sciences) sciences. WAGMC is developing new postgraduate programmes in genetics.

The Centre collaborates with several academic partners in Africa (e.g., University of Witwatersrand, University of Cape Town), Europe (e.g., Imperial College London) and the US (e.g., University of Pittsburgh). In addition to research support for faculty of the Centre, postgraduate students of the Centre are also awarded fellowships to support their education and conduct research.

In 2022, WAGMC launched a genetic health awareness programme, known as the Ghanaian Genome (GhGenome) project to educate the general Ghanaian population about the role of genes/genetics in health, wellbeing and disease.

As a Centre of excellence WAGMC is positioning itself to introduce impactful programmes to help Africans overcome the developmental health challenges of human genetic disorders on the continent.



INSTITUTIONAL PARTNERS

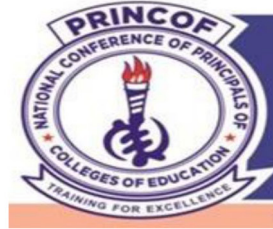


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