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Services:

1. ROBOTICS AND DRONES
2. VIRTUAL AND AUGMENTED REALITY
3. ARTIFICIAL INTELLIGENCE
4. INTERNET of THINGS (IoT)
5. BLOCKCHAIN

Units:

1. Corporate Liaison and Advocacy

The unit explores R&D efforts from local institutions (like universities and research institutes) and identifies harnessable innovative ideas with potentials for commercialization. It also coordinates research visits to the center, like sabbatical tenancy for visiting researchers, and serves as the interaction link with the other entities in the ecosystem – Office for Nigerian Digital Innovation (ONDI), MIT Regional Entrepreneurship Acceleration Program (MIT-REAP), and Mass Challenge programs. Additionally, the unit serves as the business face of the center, projecting and coordinating the center's digital consultancy services to other government agencies and private entities.

The unit promotes the center and its activities through public relations and advocacy programs and maintains a strong online presence via social media outlets and effective website deployment and maintenance. It is responsible for coordinating the center's participation in exhibitions and trade shows to further market its activities and products to the corporate world and other government agencies.

Advocacy

The aim of the National Center for Artificial Intelligence and Robotics is to champion the course of digital innovation in Nigeria and to promote innovation-driven entrepreneurship across all sectors. In promoting NITDA's mandate to develop the ICT sector, the center actively engages innovators, makers, and DIY enthusiasts and renders its expertise to encourage participation and the flourishing of innovation-driven entrepreneurship culture across Nigeria.

Corporate Social Responsibility

The center engages in digital corporate social responsibility (CSR) to champion digital innovation, increase environmental responsibility awareness and promote technology adoption in Nigerian societies. The center, among other digital-CSR activities, engages in the following:

1. Organizing seminars and workshops to promote innovation-driven entrepreneurship;
2. Organizing training sessions for schools and local communities on relevant topics such as smart agriculture and digital technology adoption in day-to-day engagements; and
3. Donating "Made by NITDA" products and services to schools and local communities.

SB4Kids

NITDA SB4KIDS Commences Batch A(8-11)

In line with the NITDA's strategy road map and action plan(SRAP2021-2024) which is aimed at catching the children young to enable them to be conversant with Emerging Technologies around the world.

The training was filled with excitement and enthusiasm as they were tutored on various programs like 3D Design, Coding, VR, and Digital communication.

NCAIR stands for the National Centre for Artificial Intelligence and Robotics. It is a research and development facility that is focused on emerging technologies, such as artificial intelligence, robotics, and the Internet of Things.

NCAIR conducts research and development on emerging technologies. It also provides training and support for businesses and entrepreneurs who are interested in using these technologies.

NCAIR is located in Abuja, Nigeria.

NCAIR's goals are to:

- * Promote research and development on emerging technologies
- * Facilitate the practical application of these technologies in Nigeria
- * Create a thriving ecosystem for innovation-driven entrepreneurship
- * Help Nigeria transform its digital economy

NCAIR was founded in 2020.

The director of NCAIR is Dr. Yau Isa Garba.

NCAIR's mission is to accelerate research and development of innovative digital technologies in Nigeria, enable collaboration and build an enabling environment for innovation and entrepreneurship in emerging digital technologies.

NCAIR's vision is to foster the development of Nigeria's digital ecosystem through research and innovation in emerging technologies.

NCAIR's statement of purpose is to create an ethical workspace to foster research that drives digital innovation in emerging technologies.

NCAIR's core values are:

- * Innovation
- * Cooperation and Collaboration
- * Cutting-edge Research
- * Sustainability
- * People and society

NCAIR offers a variety of services, including:

- * Robotics and Drones
- * Virtual and Augmented Reality
- * Artificial Intelligence
- * Internet of Things (IoT)
- * Blockchain

There are a number of benefits to using NCAIR's services, including:

- * Access to NCAIR's research and development facilities
- * Access to NCAIR's training and support programs
- * Access to NCAIR's network of experts
- * The opportunity to contribute to Nigeria's digital economy

There are a number of ways to get involved with NCAIR's research and development efforts, including:

Attending NCAIR events
Participating in NCAIR training programs
Applying for NCAIR grants
Donating to NCAIR

The latest trends in artificial intelligence and robotics include:

- * The development of more powerful and efficient AI algorithms
- * The development of new and innovative robotics technologies
- * The increasing use of AI and robotics in a variety of industries

The challenges facing the development of artificial intelligence and robotics include:

- * The need for more data to train AI algorithms
- * The need for more powerful and efficient computing hardware
- * The need to address ethical concerns about the use of AI and robotics

The future of artificial intelligence and robotics is bright. AI and robotics have the potential to revolutionize a variety of industries, including healthcare, transportation, manufacturing, and customer service.

The National Centre for Artificial Intelligence and Robotics (NCAIR) is one of NITDA's special purpose vehicles created to promote research and development on emerging technologies and their practical application in areas of Nigerian national interest. The centre, a state-of-the-art facility, along with its modern digital fabrication laboratory (FabLab), was commissioned on November 13th, 2020 by the Honourable Minister of Communications and Digital Economy, Prof. Isa Ali Ibrahim Pantami. It is co-located in the same building complex with the Office for Nigerian Digital Innovation (ONDI), at No. 790 Cadastral Zone, Wuye District, Abuja.

NCAIR as a digital innovation and research facility is focused on Artificial Intelligence (AI), Robotics and Drones, Internet of Things (IoT), and other emerging technologies, aimed at transforming the Nigerian digital economy, in line with the National Digital Economy Policy and Strategy (NDEPS). NCAIR is also focused on creating a thriving ecosystem for innovation-driven entrepreneurship (IDE), job creation, and national development.

Yau Isa Garba is currently the National Director, National Center for Artificial Intelligence and Robotics (NCAIR), a subsidiary of the National Information Technology Development Agency (NITDA), where he leads research and development on emerging technologies.

Mr. Garba holds a bachelor's degree in Electrical Engineering and a master's degree in Computer Engineering and is an alumnus of Abubakar Tafawa Balewa University Bauchi (ATBU) and King Fahd University of Petroleum and Minerals (KFUPM), Dhahran, Saudi Arabia.

He held several positions in academia and industry, with experience spanning both research and development in information technology and embedded systems. Mr. Garba is certified by Microsoft, Cisco and CompTIA in areas related to systems administration, networking, and computer security.

He is a technology enthusiast, an expert on emerging technologies, with experience spanning both industry and academia. He is a pragmatic engineer with expertise in the development of both hardware and software systems, with applications in healthcare, agriculture, renewable energy, and educational technology. He has designed several tools to inspire young Nigerians to embrace technology using the popular 'Science Technology, Engineering and Mathematics' (STEM) scheme. He is also an ardent precision agriculturalist where he has been designing and deploying innovative systems to take Nigerian agricultural industries to new levels.

Before joining NITDA, he has been the co-founder and CEO of a technology startup developing cutting-edge products for the renewable energy sector. He is still a hands-on engineer, spending quality time with machines and tools in the NCAIR research and development labs.

MISSION

To accelerate research and development of innovative digital technologies in Nigeria, enable collaboration and build an enabling environment for innovation and entrepreneurship in emerging digital technologies.

VISION

To foster the development of Nigeria's digital ecosystem through research and innovation in emerging technologies.

STATEMENT OF PURPOSE

To create an ethical workspace to foster research that drives digital innovation in emerging technologies.

Core Values

Innovation: We strive to create unique solutions, push technological boundaries, and consistently establish new frontiers in digital technologies

Cooperation and Collaboration: We build valuable public-private sector networks across multiple industries; and we provide a platform to link ideas and opportunities.

Cutting-edge Research: Our research challenges existing processes to produce quality contributions to knowledge.

Sustainability: We strive to minimize the negative impact on the environment and to ensure that sustainability is at the heart of our operations, strategy, and long-term vision.

People and society: Our approach is people-centric. We treat people with respect; we provide an environment for personal development; we build meaningful individual and organizational relationships, and we work for national interest.

SERVICES

ROBOTICS AND DRONES

VIRTUAL AND AUGMENTED REALITY

ARTIFICIAL INTELLIGENCE

INTERNET of THINGS (IoT)

BLOCKCHAIN

Digital Skills Training:

Adding 1 Million Developers across the Nation

The National Information Technology Development Agency (NITDA) through its subsidiary, the National Center for Artificial Intelligence & Robotics (NCAIR) is calling for applications to participate in the NITDA Developers Group (NDG) Training programme.

The training is part of NITDA's project of training one million developers in Nigeria where the trainees will go through a series of coaching, and lectures to develop programming skills in Artificial Intelligence and Machine Learning. The first cohort of the training programme will focus on Python for Machine Learning and Data Science.

Nigerian

- Residing or has accommodation in the FCT

Including

NYSC Corps Members, Secondary School Students & Undergrads who are on holiday.

Also

Graduates and any other individual that wishes to acquire Tech-skills.

If you want to apply, Visit Digital Skills Portal