

Creating New Values and Opportunities in Information Technology

A paper delivered

By

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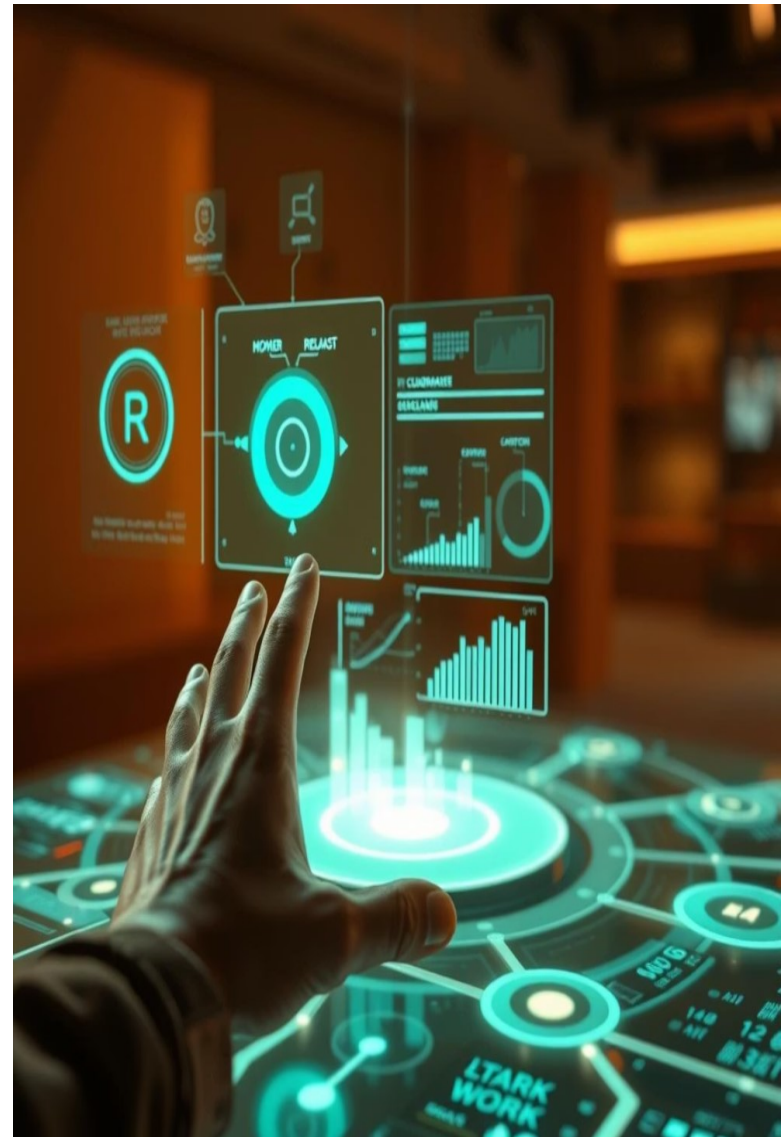
**Induction Ceremony organized by Nigeria Computer Society at the 19th International
Conference tagged ConNovate 2025, held at Coronation Hall, Kano Government
House, Kano State, August 14th, 2025.**

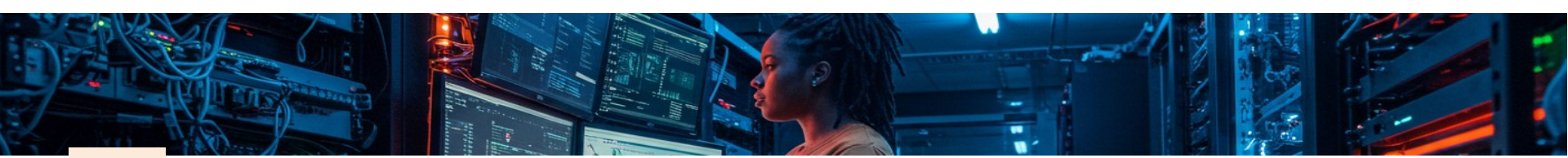
Welcome to the Nigeria Computer Society Induction

Today marks a significant milestone as you join the ranks of IT professionals.

Your technical skills are foundational, but in today's knowledge-based economy, entrepreneurial and innovative strategies are paramount.

The society is looking for people with **TECHNICAL COMPETENCE** and who can deliver within the **ACCEPTABLE MORAL STANDARDS** approvable for regulated services and be able to add **VALUE** to the society



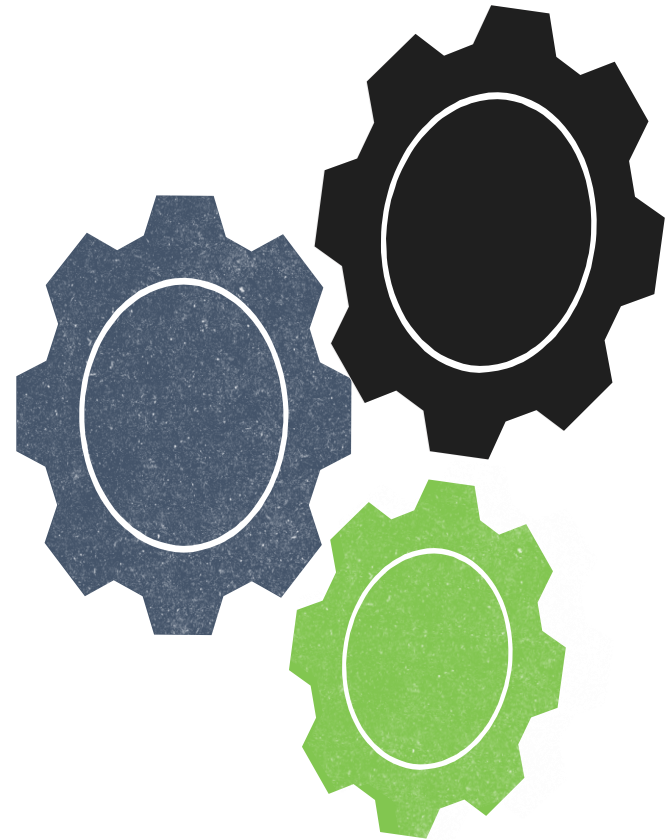


Transformative Power of Information Technology (IT)

IT is reshaping governance, agriculture, education, healthcare, security, and commerce. From artificial intelligence and cybersecurity to blockchain and quantum computing, IT is redefining **how we think, work, and live.**

Our task, as professionals and innovators, is not just to use IT, but to create value through it — **value that is relevant, inclusive, ethical, and sustainable.**

Information Technology (IT) has profoundly reshaped society, impacting communication, business, healthcare, and education. It has revolutionized how we connect, work, and access information, fostering unprecedented innovation and connectivity. .



More Detailed look at IT's Transformative Power

- **Revolutionized Communication**
- **Transforming Business**
- **Improving Healthcare**
- **Enhancing Education**
- **Creating New Possibilities**

- **Driving Innovation**
- **Empowering Individuals**
- **Facilitating Remote Work**
- **Shaping Sustainable Solutions**
- **Enabling Data-Driven Decisions**

New Values, Opportunities and Emerging Technologies

Disruptive technologies are reshaping the IT landscape, creating new values and opportunities.

Value from Data

Transforming raw data into actionable insights for strategic decisions.

AGILITY & INNOVATION

It is now the job of the IT to determine, test, plan and implementing new technologies so as to create new business opportunities and stay competitive.

CYBERSECURITY

Ensuring robust security posture for data protection and customer trust.

ETHICAL RESPONSIBILITY

Promoting fairness, transparency, and positive societal impact with AI.

Human-Machine Synergy

Emerging technologies like AI and robotics augment human capabilities, automating routine tasks and allowing focus on creative, strategic work. The goal is human augmentation, not replacement.



Strategic Planning & Business Alignment

IT is now a strategic partner, aligning organizational goals with technology initiatives. Professionals need business skills to drive innovation and entrepreneurship, fostering local capacity and reducing reliance on foreign tech.



Creating New Values: Beyond Technology

Creating new values in IT, is not just about economic returns or innovation but values such as:

DIGITAL INCLUSION

Ensuring that every Nigerian, regardless of background or location, benefits from digital transformation.

ETHICAL RESPONSIBILITY

Building technologies that respect privacy, promote transparency, and uphold human dignity.

COLLABORATION AND OPENNESS


Creating ecosystems where startups, government, academia, and industry co-create solutions.

SECURITY AND TRUST

Embedding confidence into our digital systems so they are resilient, dependable, and safe.

Creating new values means **placing people before processes, ethics before efficiency, and purpose above profit.**

Unlocking New Opportunities



SMART GOVERNANCE

Develop platforms that make public services more transparent, accessible, and efficient.



AGRITECH

Use data and automation to improve food security and empower rural farmers.



HEALTHTECH

Create applications that enhance telemedicine, diagnostics, and health access in underserved areas.



EDTECH

Build tools that democratize knowledge and prepare our youth for global competitiveness.



CYBERSECURITY

Protect our national infrastructure, banking systems, and digital identities.



GREEN IT

Develop sustainable technologies that align with Nigeria's climate and energy goals

How To Unlock New Opportunities

In the dynamic field of Information Technology, unlocking new opportunities involves:

1. Embrace Continuous Learning and Skill Development
2. Focus on Emerging Technologies
3. Cultivate a Growth Mindset
4. Network and Build Connections
5. Be Proactive and Take Initiative

By embracing continuous learning, staying informed about emerging technologies, and cultivating a growth mindset, IT professionals can unlock new opportunities and thrive in the ever-evolving world of technology

Government Efforts in Creating New Values




NAIR Scheme

Grants for individuals and startups in AI projects.



NDPA ACT

For data protection



3 Million Technical Talent (3MTT)

Training Nigerians in technical skills for the digital economy.



Nigeria AI Scaling Hub

Providing resources and mentorship to local innovators to translate ideas into impactful solutions



National AI Strategy and Trust

To guide the ethical and responsible development and deployment of AI



NCAIR

Dedicated Hub for AI research, development, and innovation



Entrepreneurial Skills

Ability to turn ideas into action of value and successfully manage a business

These skills are not innate. They can be developed and honed overtime through continuous learning and practice

Moral Virtues/Values

Ethical conduct and value creation in your professional journey.

Your behavior counts just as your brain also counts.

Soft Skills

Employability skills like communication, leadership, and numeracy.

• Hard Skills

Technical expertise from your education and training.

IT Ethics and Professional Conduct

The Nigeria Computer Society (NCS) has codified ethical standards to guide members' behavior and ensure value creation.

INTEGRITY

Honesty, fairness, and truthfulness in all relationships.

ACCOUNTABILITY

Objectivity and responsibility for decisions.

COMMITMENT

Focus on priorities and achieving aggressive goals.

EXCELLENCE

Only undertaking work within one's technical competence.

TEAMWORK

Collaborating to achieve results that exceed individual efforts.

Obligations of IT Professionals

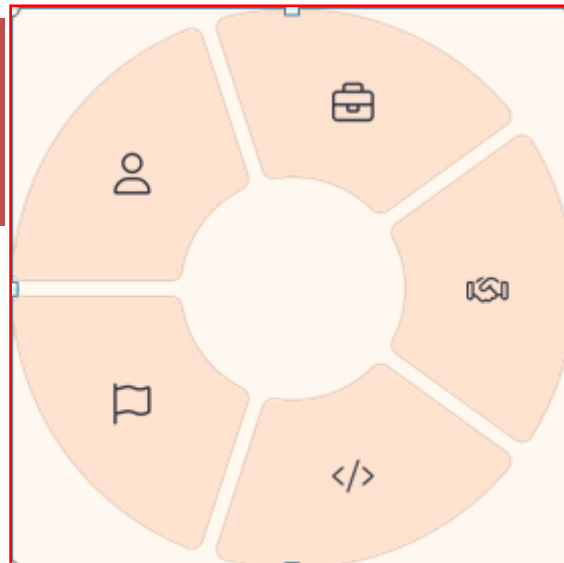
IT professionals have a five-fold responsibility to various stakeholders, requiring a balance of intelligence, knowledge, and experience.

To the Public

Ensure products meet needs, avoid deception, protect dignity.

To Nigeria

Abide by laws, protect privacy, use skills for social good.



To Employers/Clients

Work performance, avoid conflicts, cautious use of property.

To Fellow Members

Honesty, respect, and ethical conduct in all relationships.

To the Profession

Promote reputation, encourage excellence, uphold principles.

Your Induction: A Call to Purpose

Today, as you are inducted into the Nigeria Computer Society, you are not merely receiving a title — you are taking an oath to contribute to national development through digital excellence.

- Ask not only what technology can do, but what it should do.
- Think not only about innovation, but about impact.
- Code with conscience. Build with balance. Lead with integrity.

Remember that in the knowledge economy, intellectual capital is national capital. You are the future of that capital.

OUR COLLECTIVE ROLE AS NCS

As a Society, we must continue to nurture:

Mentorship

Connecting seasoned experts with rising talent.

1

Policy Advocacy

Influencing government and regulatory bodies to support digital innovation

2

Research and Development

Pushing the boundaries of knowledge and local content.

3

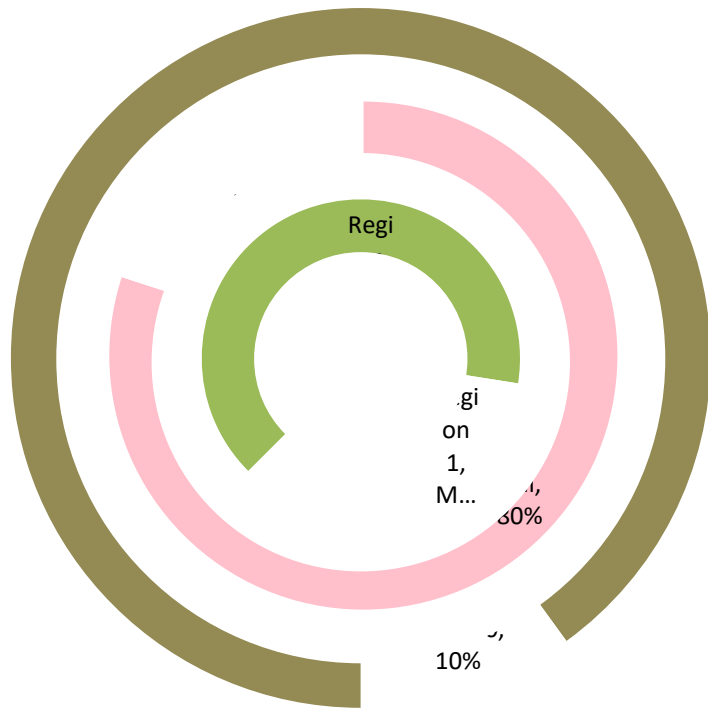
Entrepreneurship

Transforming our solutions into scalable businesses that employ and empower.

4

The NCS must not be a ceremonial body — it must be a think tank, a force for good, and a beacon of leadership.

Conclusion



- ❑ Distinguished guests, new inductees, friends — this is your time. The 21st century belongs to those who can imagine, innovate, and implement.
- ❑ Let us create a Nigeria where technology doesn't just serve the few — but empowers many.
- ❑ Let us create a future where the digital is also human, where every line of code is a statement of purpose, and where every innovation is a commitment to justice, equity, and progress.
- ❑ Let us use our potentials in IT to develop and add values to our nation in the most ethically possible ways.
- ❑ To the newest members of the Nigeria Computer Society — congratulations once again. The baton has been passed to you. Now, create, lead and build.

**Thank
You**

