

DigitALL: Innovation and technology for gender equality

GUEST LECTURE

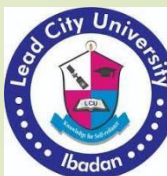
By:

Prof. Grace Oloukoi (FNITP)

and

Dr. Oluwatoyin Bolukale (MNITP)

Department of Urban and Regional Planning, Faculty of Environmental Design and Management,
Lead City University, Ibadan, Nigeria



Presentation made on the Occasion of the 2023 International Women's Day held at Isabatudeen Girls Grammar School, Orita-Basorun, Ibadan, Nigeria on the 8th of March.

Outline

- Introduction
- Objectives
 - ✓ The Girl Child
 - ✓ Gender equity
 - ✓ Innovation and technology
 - ✓ The changing world
 - ✓ The gender gaps
- Samples of Digital Innovations and opportunities they brought to humanity
- Dealing with the gaps
- The cloud of witnesses
- Motivations to getting on the track



Introduction: Historical background

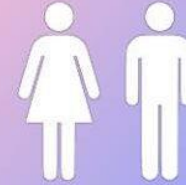
IWD originated from labor movements in North America and Europe during the early 20th century

- It started with 15,000 women's marches and campaign for change in New York.
- These women advocated for better pay, working conditions and voting rights.
- From then on, National Women's Day was established in 1909, which later became celebrated in other parts of the world and became known as International Women's Day in 1911
- International Women's Day: a global day celebrating the social, economic, cultural, and political achievements of women.
- The United Nations began celebrating International Women's Day in 1975, which had been proclaimed the International Women's Year.
- In 1977, the United Nations General Assembly invited member states to proclaim March 8 as an official UN holiday for women's rights and world peace.

Gender not sex

"Sex"

refers to the biological and physiological characteristics that define men and women.



"Gender"

refers to the socially constructed roles, behaviours, activities, and attributes that a given society considers appropriate for men and women.

- Gender: is based on norms, practices and ideas of a social group as it relates to male and female's roles and power dynamics.
- Sex: is based on hormone, chromosomes, physiology and anatomy of being a male or a female.

Objectives of the presentation



DigitALL:
Innovation and technology for gender equality

Highlights the role of innovative technology in promoting gender equality and meeting the health and developmental needs of women and girls

Motivates the girl child to get on the Track

Who is a Girl Child?

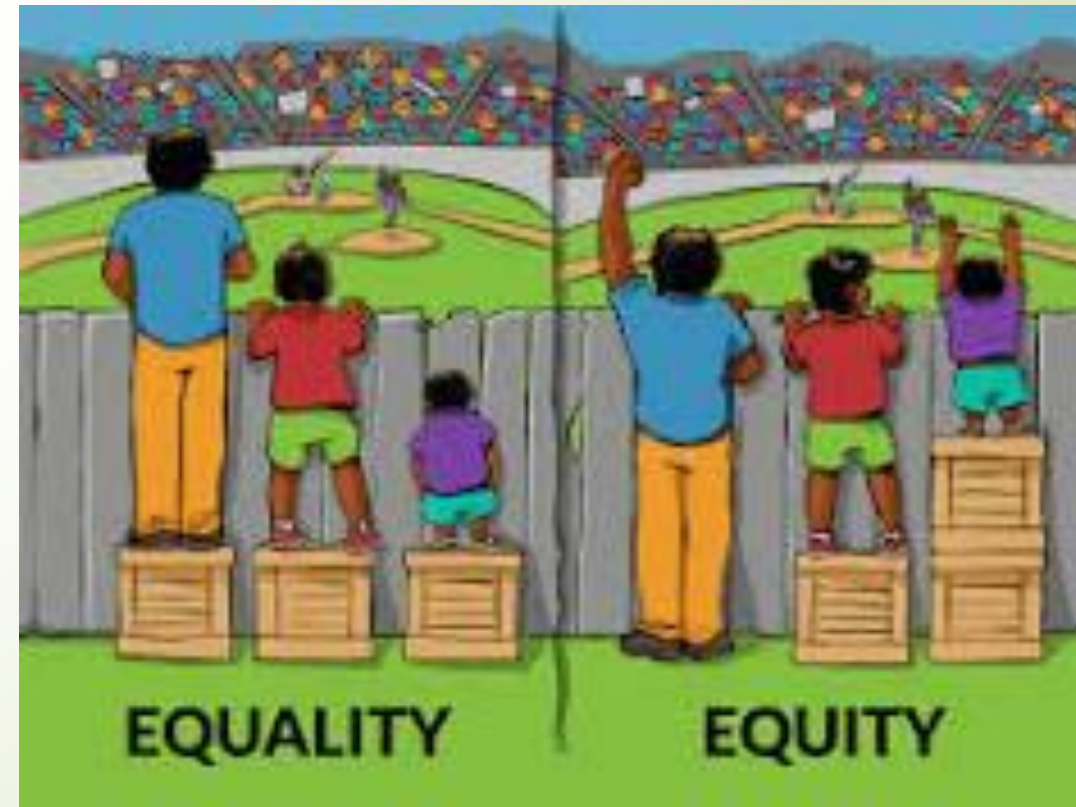
- The girl-child is a **biological female** offspring from birth to eighteen (18) years of age.
- A female child referred to as daughter.
- She grows from thence to adulthood and becomes aged.



Beware of Identity crisis!!!

Gender equity

- It means addressing gender inequalities that limit a person's ability to access opportunities to achieve better health, education and economic opportunity based on their gender.












12 critical areas





**Achieve gender
equality and
empower all
women and girls**

SDGs #5


<p>TARGET 5-1</p>  <p>END DISCRIMINATION AGAINST WOMEN AND GIRLS</p>	<p>TARGET 5-2</p>  <p>END ALL VIOLENCE AGAINST AND EXPLOITATION OF WOMEN AND GIRLS</p>	<p>TARGET 5-3</p>  <p>ELIMINATE FORCED MARRIAGES AND GENITAL MUTILATION</p>
<p>TARGET 5-4</p>  <p>VALUE UNPAID CARE AND PROMOTE SHARED DOMESTIC RESPONSIBILITIES</p>	<p>TARGET 5-5</p>  <p>ENSURE FULL PARTICIPATION IN LEADERSHIP AND DECISION-MAKING</p>	<p>TARGET 5-6</p>  <p>UNIVERSAL ACCESS TO REPRODUCTIVE HEALTH AND RIGHTS</p>
<p>TARGET 5-A</p>  <p>EQUAL RIGHTS TO ECONOMIC RESOURCES, PROPERTY OWNERSHIP AND FINANCIAL SERVICES</p>	<p>TARGET 5-B</p>  <p>PROMOTE EMPOWERMENT OF WOMEN THROUGH TECHNOLOGY</p>	<p>TARGET 5-C</p>  <p>ADOPT AND STRENGTHEN POLICIES AND ENFORCEABLE LEGISLATION FOR GENDER EQUALITY</p>

Source: <https://www.globalgoals.org>

SDGs #5 Targets



It means;.....

- Say 'No' to limitation
 - Respecting all people without discrimination, regardless of their gender.
 - Remove discrimination (based on socio-cultural norms and ideologies)
 - Create opportunities for women and girls to be all that they can be
- 

The Challenge!!!

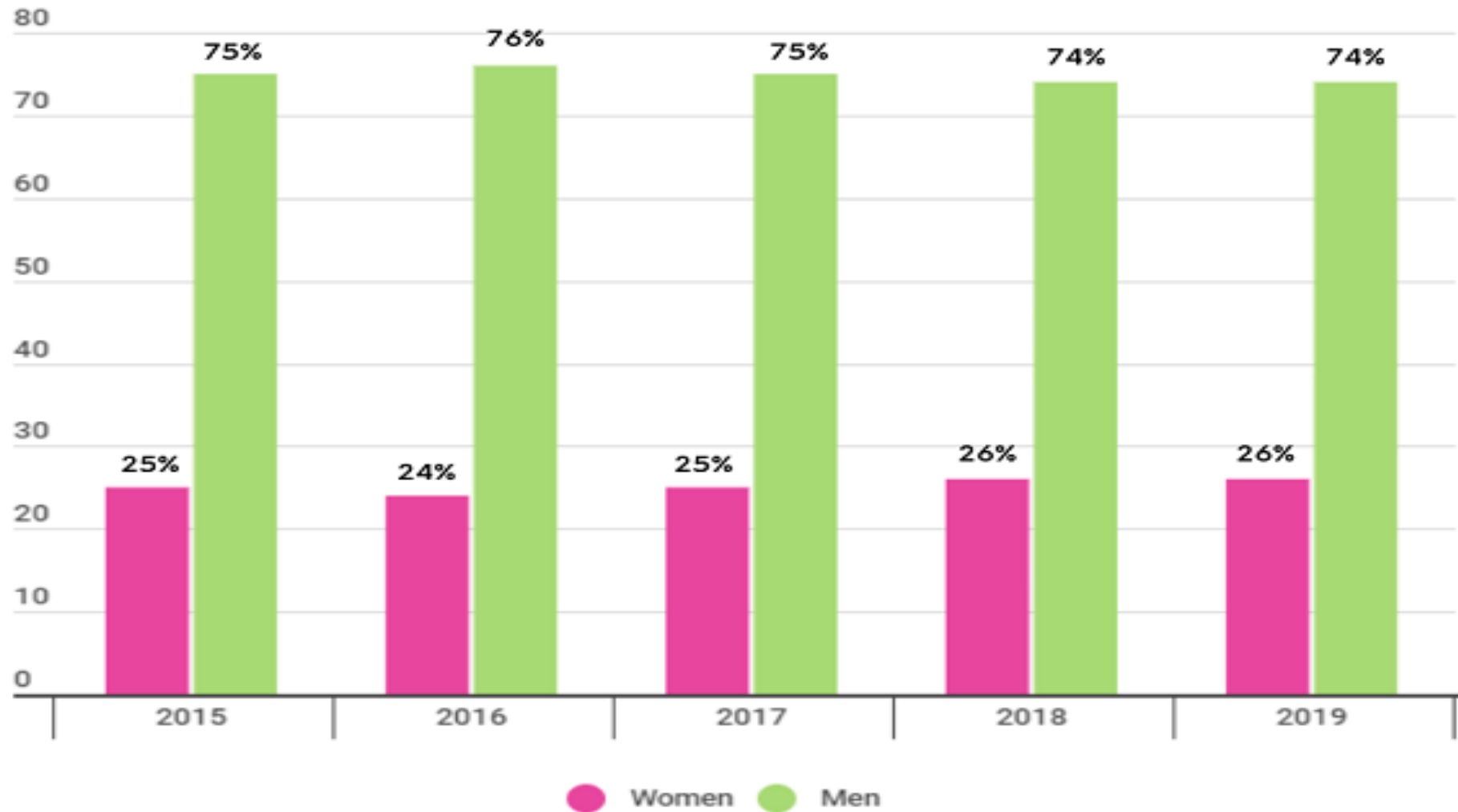
18% 
**OF EVER-PARTNERED
WOMEN AND GIRLS
AGED 15 TO 49 YEARS
HAVE EXPERIENCED
PHYSICAL AND/OR SEXUAL
PARTNER VIOLENCE**

- Stereotyping
- Gender bias
- Less women pursue high tech careers
- Fewer women in executive positions

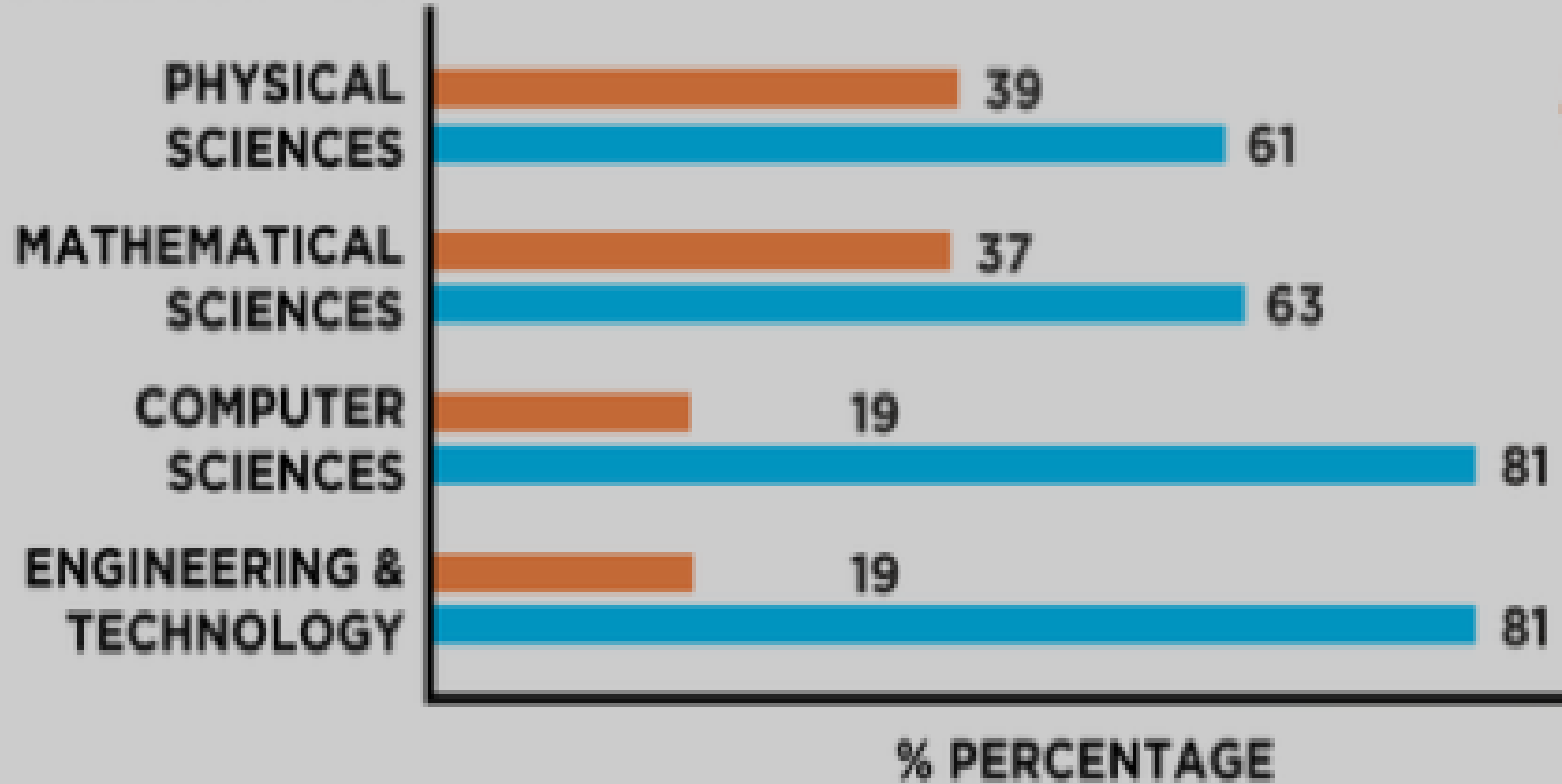


STILL, **30%**
OF WOMEN AGED
20 TO 24 YEARS
WERE MARRIED
BEFORE AGE 18
(2018)

Less Women Pursue STEM Careers



COURSES 2017 - 2018



Career in STEM by male and female



Why so few women?

- Classroom climate
 - Lack of role models
 - Lack of encouragement
 - Loss of confidence
 - Bias and stereotypes
 - **Gender differences in attitude toward STEM surface in middle school**
- 

Changing World, Changing generations



TRADITIONALISTS

Born 1900-1945

Great Depression
World War II
Disciplined
Workplace Loyalty
Move to the 'Burbs'
Vaccines



BOOMERS

Born 1946-1964

Vietnam, Moon Landing
Civil/Women's Rights
Experimental
Innovators
Hard Working
Personal Computer



GEN X

Born 1965-1976

Fall of Berlin Wall
Gulf War
Independent
Free Agents
Internet, MTV, AIDS
Mobile Phone



MILLENNIAL

Born 1977-1997

9/11 Attacks
Community Service
Immediacy
Confident, Diversity
Social Everything
Google, Facebook



GEN 2020

After 1997

Age 15 and Younger
Optimistic
High Expectations
Apps
Social Games
Tablet Devices

Innovation and Technology

- New ideas
- New methods
- New Approaches
- New Products
- New value added
- New improvement



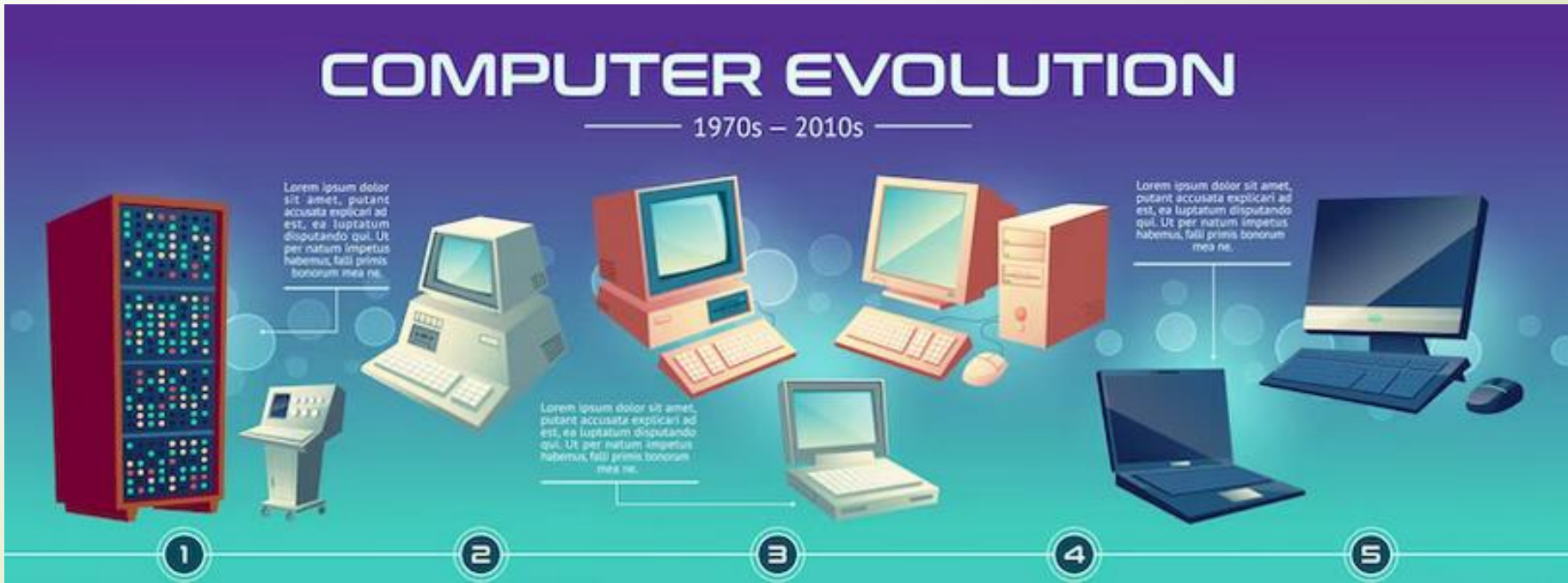


- Example are: Television, Computers (software and hardware), internet, cellphones, Artificial Intelligence, Audio-Visual media, earth observation devices, Global Positioning Systems (GPS) etc..
- Hardware and software
- From analogue to digital
- It is applicable in all areas of human endeavors: science, marketing, construction, mapping, research, governance, music, sports etc.

Examples of Tech (Digital) Innovations **AFTER THE BEIJING DECLARATION**

- Computers
- Mobile Phones
- Coding
- Artificial
Intelligence

Word Processors





**Latest
I-Phone
in 2023**

**1ST
MOBILE
PHONE
CALL
03-04-73**

**Motorola Dynatac cell phone invented
by Martin Cooper 40 years ago**

Evolution of the Mobile Phone



NOKIA in History

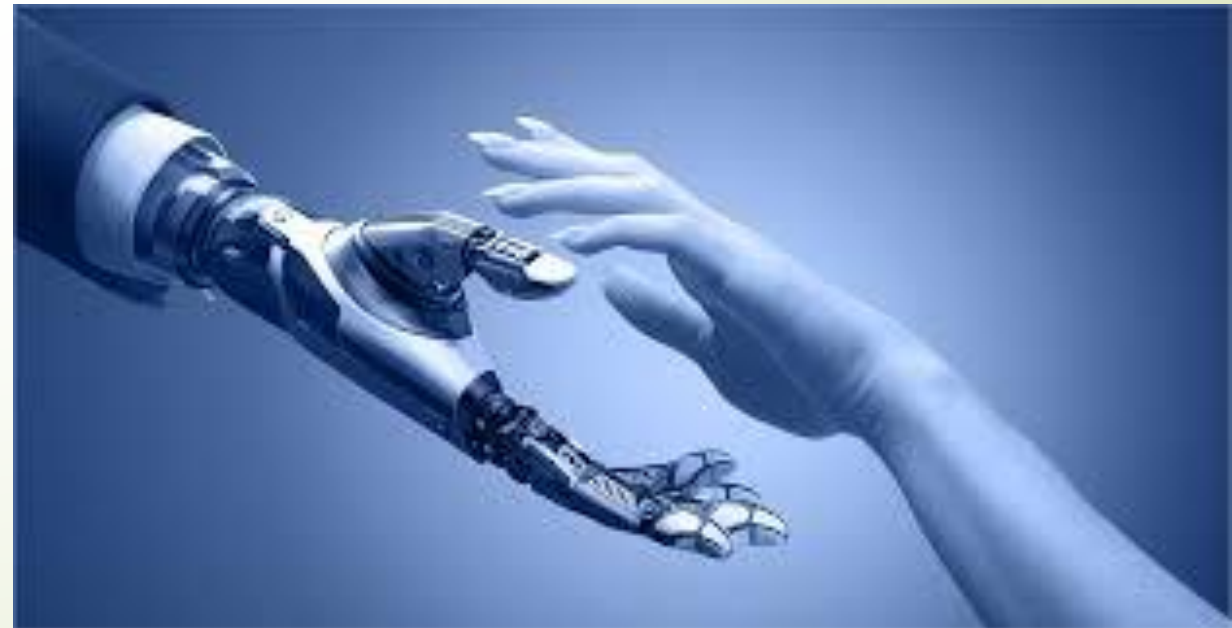




LNCT
GROUP OF COLLEGES
ACHIEVING TOWARDS NEWER THINGS

Applications of Artificial Intelligence

- Automobiles
- Business
- Education
- Finance
- Manufacturing
- Gaming
- Government
- Healthcare



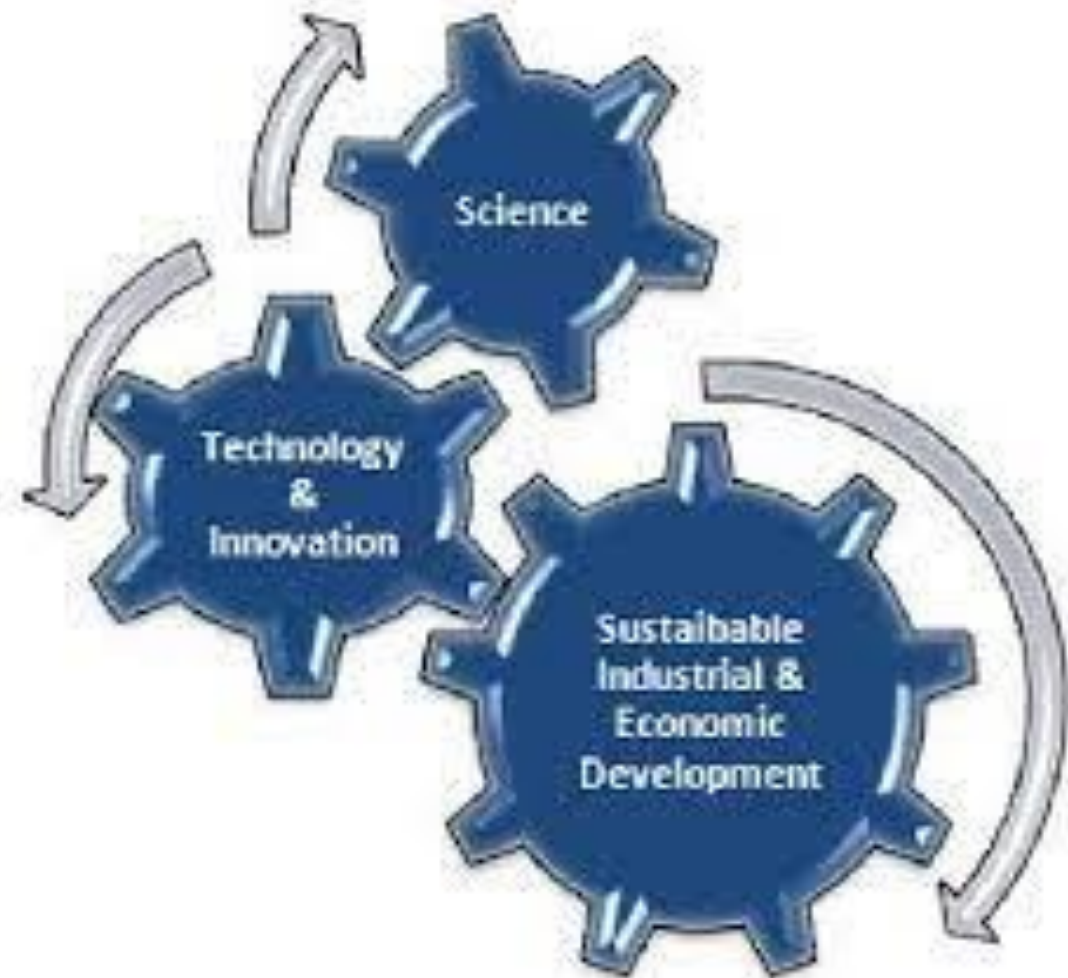
Coding

```
for i in people.data.users:
    response = client.api.statuses.user_timeline.get(screen_name=i.screen_name)
    print 'Got', len(response.data), 'tweets from', i.screen_name
    if len(response.data) != 0:
        ldate = response.data[0]['created_at']
        ldate2 = datetime.strptime(ldate, '%a %b %d %H:%M:%S +0000 %Y')
        today = datetime.now()
        howlong = (today - ldate2).days
        if howlong < daywindow:
            print i.screen_name, 'has tweeted in the past', daywindow
            totaltweets += len(response.data)
            for j in response.data:
                if j.entities.urls:
                    for k in j.entities.urls:
                        newurl = k['expanded_url']
                        urlset.add((newurl, j.user.screen_name))
        else:
            print i.screen_name, 'has not tweeted in the past', daywindow
```

Top Big Data Applications



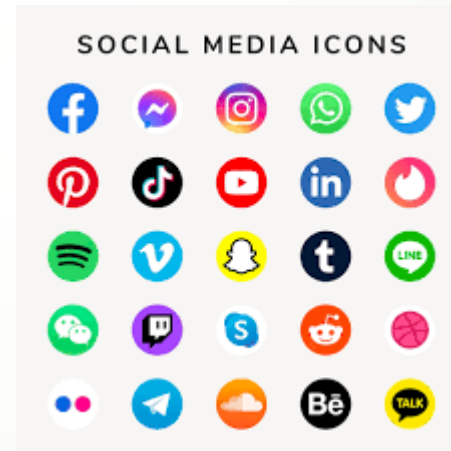
Applications of Machine Learning



Searched engines



Social media platforms




Virtual Meeting platforms



Online learning platforms



- 
- *'Analysis from the EQUALS Research Group, led by the United Nations University (UNU), shows that "a gender digital divide persists irrespective of a country's overall ICT access levels, economic performance, income levels, or geographic location".*
 - *"Women are thus under-represented in the digital revolution across high-, low- and middle-income countries despite the possibilities for marshalling greater equality".
(UN-Women, 2020)*

We can close the digital gender gap if we R.E.A.C.T



Rights



Education



Access



Content



Targets

Getting on the track

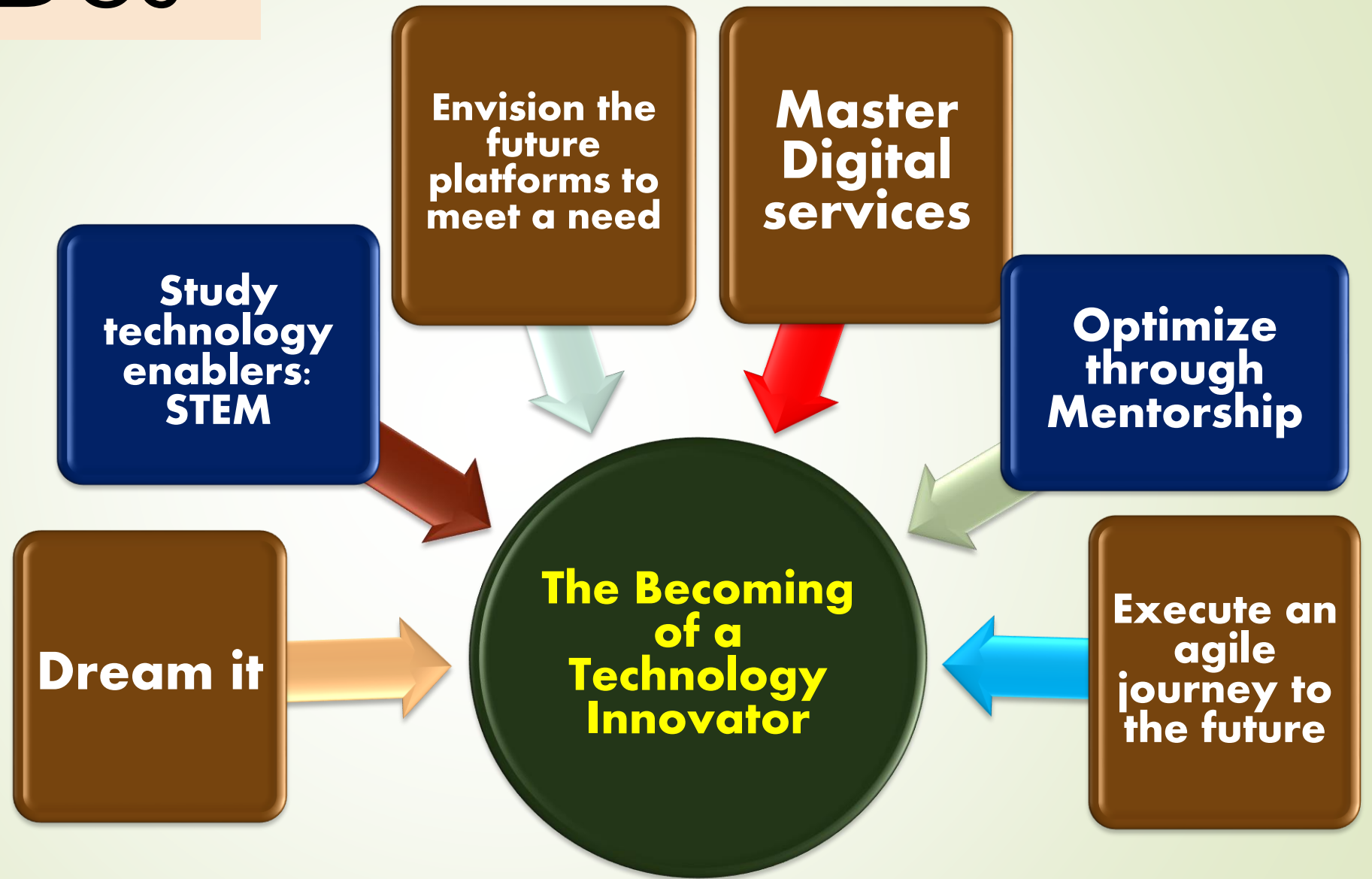
- ▶ Out-of-the-box thinking approaches
- ▶ help to bring new or improved solutions to the market.
- ▶ Adding values to products
- ▶ Enabler of industrial economy
- ▶ Shaping the future

The motivation and the call to action

- Change the stereotypes
 - Soft and hard parenting
- Be encouraged to get higher education in **STEM** (science, technology, engineering and mathematics)
- Wear the gender lens
- Be the role model in your local community

- Opportunity ahead: High tech is changing our lives, jobs and work experiences
- It is possible

Critical Dos



Critical don'ts

- Don't Stop adoring your identity, you are a girl child
- Don't give up your dreams
- Don't Short cut the journey to the top
- Don't Listen to the contrary



Nigeria is blessed with award winning women (Ngozi Okonjo-Eweala, Aisa Yesufu, Amina Mohammed, Oby Ezekwesili) in leadership, in tech, in business, politics and in academia.



Cloud of Witnesses



Cloud of Witnesses



Nigerian Women in Tech

In march 2023, Iyabo Masha became the Director and Head of Secretariat, Intergovernmental Group of Twenty-Four on International Monetary Affairs and Development (G-24). She is the first African to hold the position since the organization was founded in 1971

Cloud of Witnesses

Be motivated,

- Women are the biggest reservoir of talent in the world.
- The strongest woman in the world is the one with a voice.
- Women should also be there where decisions are being made.
- It should not happen that women are the exception at the place of decision.



Thank you