

AI and WACP Training: Opportunities and Pitfalls.

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What is AI

- ▶ Stands for Artificial Intelligence
- ▶ The simulation of human intelligence processes by machines, especially computer systems.
- ▶ Simply put, it is an attempt to make computers mimic human capabilities.

Impacts of AI

- ▶ A New Normal
- ▶ Already woven virtually into every fabric of our human existence and endeavours.
- ▶ Impacts are evident from antiquity and are visible in the Arts, Agriculture, Architecture, Building, Banking, Transportation, Law, Medicine, etc.



AI in Everyday Life



Uses in Teaching and Training

- ▶ Lesson Planning
- ▶ Getting the latest content for lectures
- ▶ Creating resources
- ▶ Creating Assessment Questions
- ▶ Grading Assessments and Papers
- ▶ Writing Reports and Memos
- ▶ Curriculum development
- ▶ Emailing
- ▶ Teaching Techniques
- ▶ Offering real-time feedback



AI Tools for Training & Education

General Learning & Teaching

- ▶ **ChatGPT:** Great for generating explanations, quizzes, summaries, and interactive learning content.
- ▶ **Copilot (formerly Bing Chat):** Offers real-time web-integrated responses, ideal for research and lesson planning.
- ▶ **Perplexity AI:** Combines AI with web search to provide cited answers—perfect for deep research.
- ▶ **Quillbot:** A writing assistant that helps with paraphrasing, grammar correction, and summarization.

Classroom & Educator-Focused Tools

- ▶ **MagicSchool.ai:** Tailored for educators with tools for lesson planning, rubric creation, and student feedback.
- ▶ **NotebookLM:** Lets you upload documents and ask questions about them—great for personalized study guides.
- ▶ **Google Gemini (formerly Bard):** Supports content creation and information discovery for educators.

Learning Management Systems (LMS)

- ▶ **360Learning:** Uses AI to identify skill gaps, personalize learning paths, and generate interactive course content.

Other More Specific Ones

For Educators

- ▶ **MagicSchool.ai:** Designed specifically for teachers—helps with lesson planning, rubric creation, IEPs, and student feedback.
- ▶ **TeachFX:** Analyzes classroom audio to provide insights on teacher-student engagement and equity in participation.
- ▶ **Diffit:** Converts any topic or article into differentiated reading levels and formats for diverse learners.

For Trainees

- ▶ **Copilot:** Your AI companion for summarizing texts, solving problems, generating study guides, and answering questions with citations.
- ▶ **ChatGPT:** Great for brainstorming essays, practicing language skills, and tutoring in subjects like math or science.
- ▶ **Grammarly:** Enhances writing by correcting grammar, tone, and clarity—ideal for academic papers and emails.
- ▶ **Quillbot:** A paraphrasing and summarizing tool to help with rewriting and understanding complex texts.

For Researchers

- ▶ **Elicit:** AI-powered research assistant that helps find relevant papers, summarize findings, and generate literature reviews.
- ▶ **Scite.ai:** Evaluates the credibility of scientific papers by showing how they've been cited—supporting or disputing.
- ▶ **ResearchRabbit:** Visualizes citation networks and helps discover related research in your field.

Academic Administration

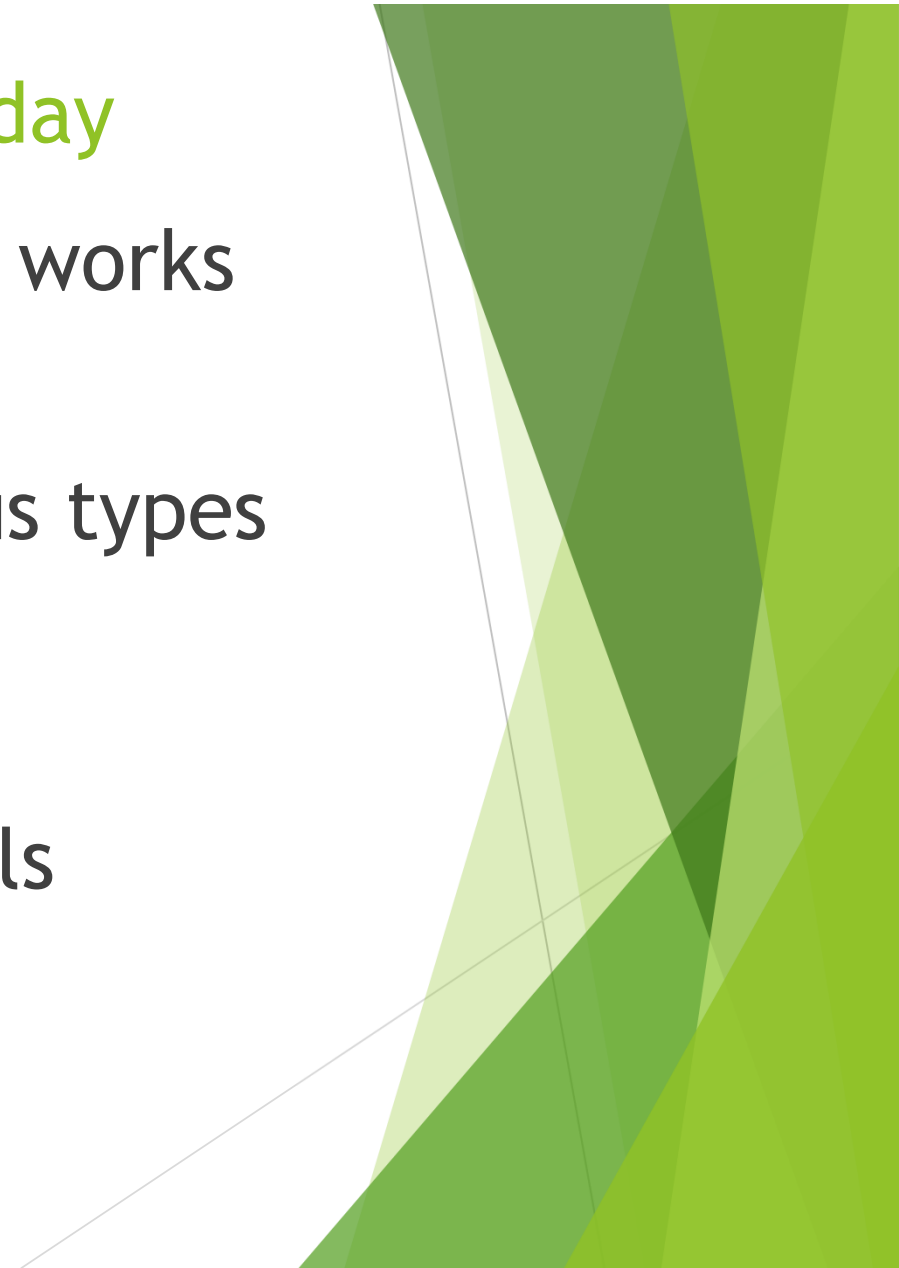
- ▶ **Sana Labs:** AI-driven personalized learning platform used by institutions to tailor training and onboarding.
- ▶ **Gradescope:** Uses AI to streamline grading of assignments and exams, especially for Science, Technology, Engineering, and Mathematics (STEM) subjects.

Purpose of the Presentations today

- ▶ Not to give lectures on how AI works
- ▶ Not to give the history of AI
- ▶ Not to demonstrate the various types or models of AI

Rather, it is to showcase

- ▶ Possible opportunities & Pitfalls
- ▶ The Ethics of the Use of AI
- ▶ The WACP Policy on AI



Dr. Emmanuella Irabor:
*AI in Postgraduate Training:
Opportunities and Pitfalls*



She is a Consultant Family Physician in the Department of Family Medicine, University College Hospital (UCH), Ibadan, and a member of the Faculty of Family Medicine of the WACP.

Her focus is on bridging **clinical care, medical education, and community service.**

She has held various positions in the College, and these include Training Coordinator; Quality Assurance Rep for Family Medicine; Current Chapter Chairman; and the Academic Coordinator of the WACP-DAE programme.

She has also led several capacity-building workshops and has contributed to institutional reforms that enhance the quality of training and service delivery.

Dr. Olufemi Ogunrinde:
*Artificial Intelligence in
postgraduate medical colleges in
West Africa: Ethical tensions
between innovation
and responsibility.*



- ▶ Dr Olufemi Ogunrinde is a professor of paediatrics at the Ahmadu Bello University (ABU), Zaria, and her affiliated Teaching Hospital.
- ▶ He obtained his medical degree from the University of Ibadan and has extensive experience in Paediatrics, Medical Education, and Research. He is an active contributor to scientific conferences, with numerous publications on Child Health, particularly in sickle cell anaemia.
- ▶ He is a former chairman of the Faculty IT Committee in the Faculty of Medicine, ABU, Zaria. He is involved in postgraduate medical training and academic leadership.
- ▶ A former Chief Examiner in the Faculty of Paediatrics of the WACP, he leveraged AI in the execution of the office, in particular when COVID-19 was ravaging the landscape. He strongly believes that information technology, and now Artificial Intelligence, if properly harnessed and utilised, has a role in the exponential transformation in medical education, both at the undergraduate and postgraduate levels.

Dr. Musa Dankyau
*WACP Policy on AI:
Safeguarding certification,
Shaping training*



Dr. Musa Dankyau needs no introduction. He is:

A Professor of Family Medicine with Bingham University, Karu, Abuja, and an Honorary Chief Consultant with the Bingham University Teaching Hospital.

A former CMD, Provost, and Current DVC.

He has held various positions in the College, and these include

- ▶ Faculty Secretary Nigeria Chapter
- ▶ Chief Examiner, Family Medicine
- ▶ Internal Assessor, Family Medicine
- ▶ Assistant Secretary General, WACP
- ▶ Current Secretary General, WACP

Time
to
take
your
Questions
and
Comments



Conclusion

- ▶ AI is here to stay
- ▶ The College needs to harness the opportunities it affords and avoids the pitfalls
- ▶ Ethical Considerations and guidelines have to be put in place and enforced
- ▶ The opportunities quite outweighs the pitfalls. Both Trainers and the Trainees can benefit from the use of AI.

