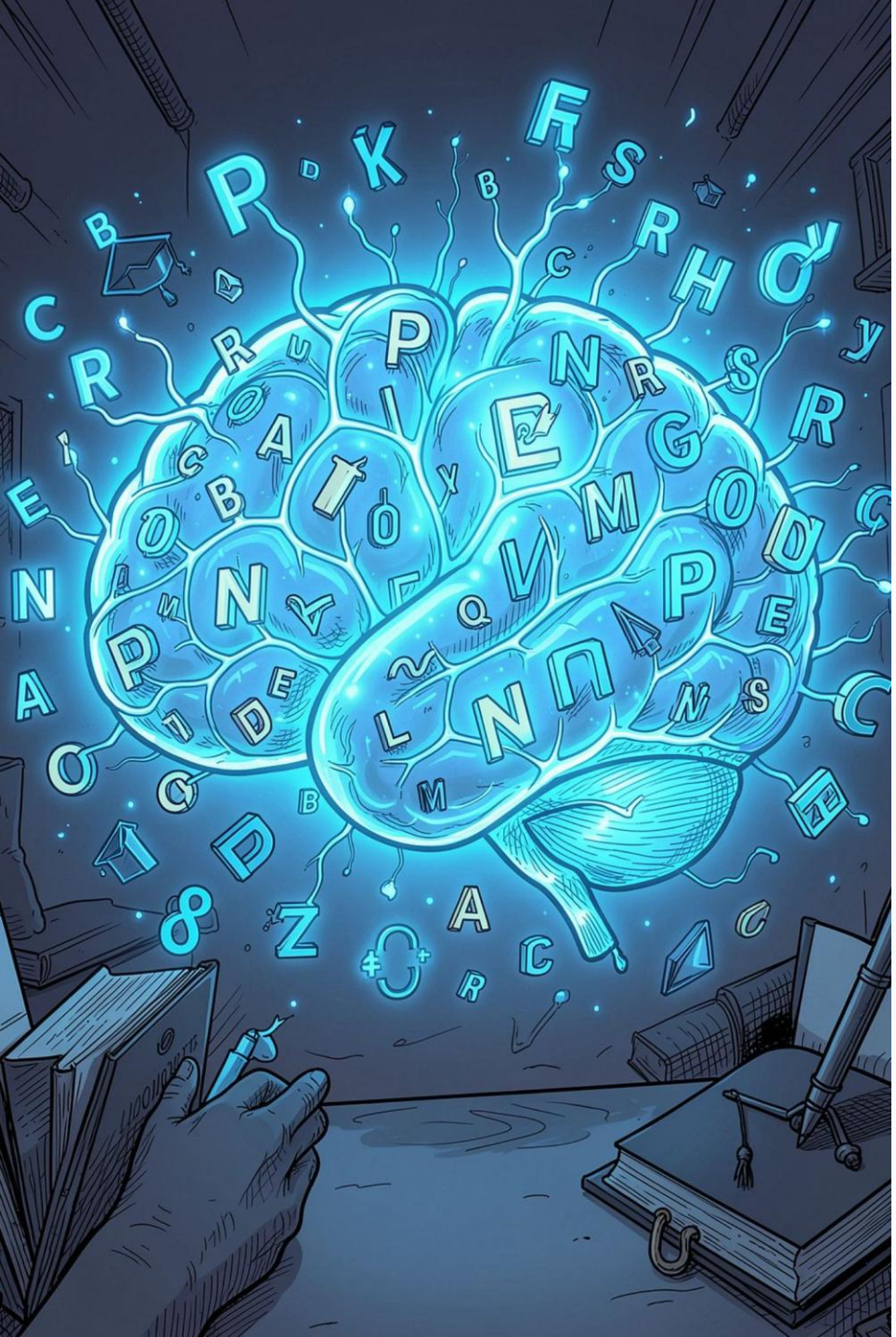

Generative Artificial Intelligence for English Language Teaching: Benefits, Risks, and Future Horizons

Olha Lemeshko,PhD,Associate Professor, Bohdan Khmelnytskyi National Academy of the State Border Guard Service of Ukraine

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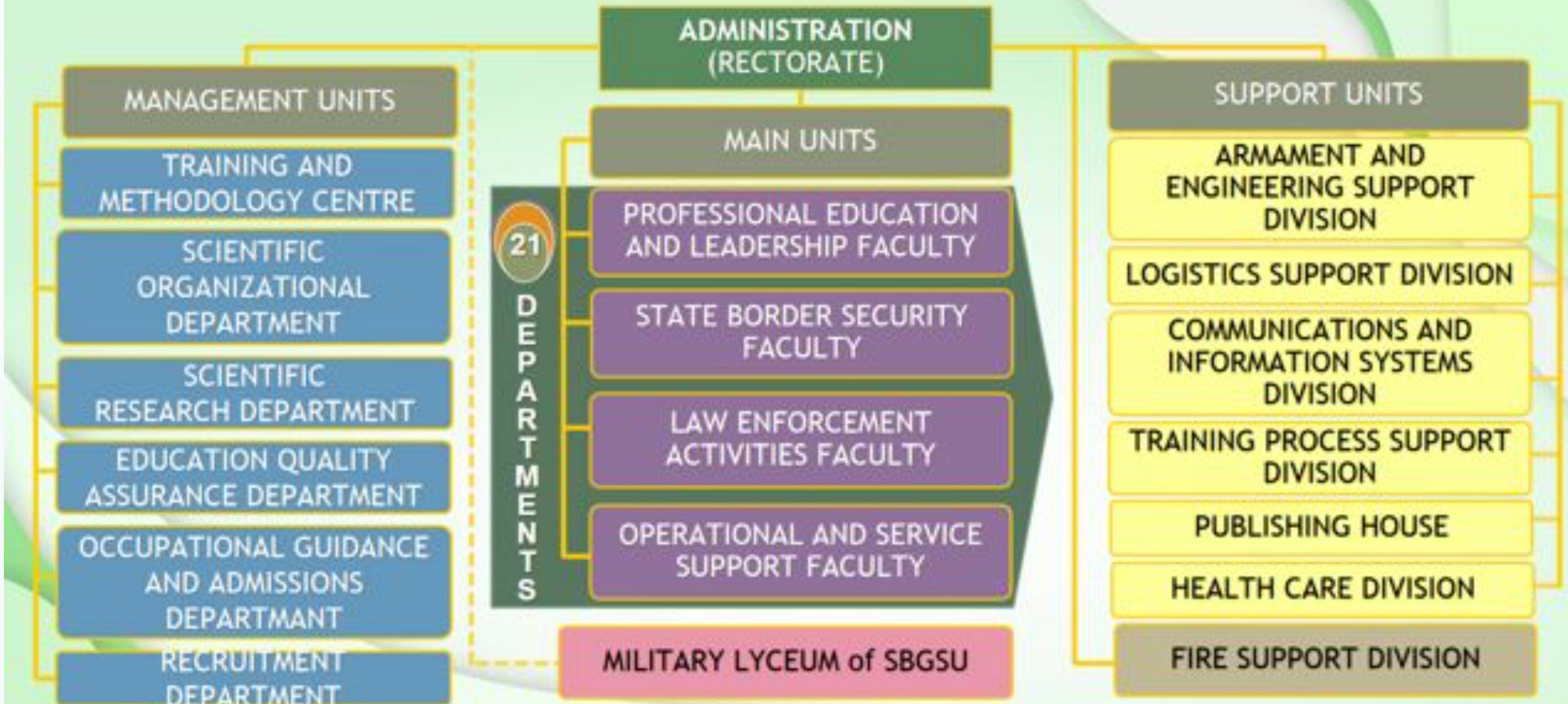
NASBGSU STRUCTURE

Bohdan Khmelnytskyi National Academy of State Border Guard Service of Ukraine



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TRAINING AND EDUCATION

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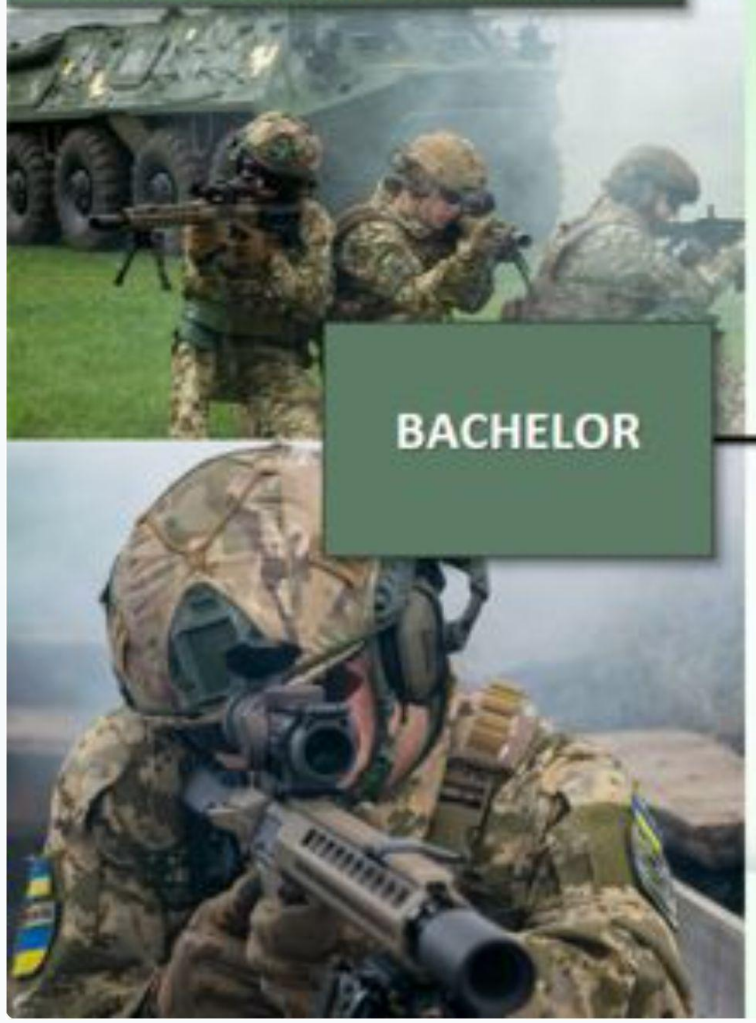
HIGHER EDUCATION DEGREES AND STUDY PROGRAMMES



BACHELOR

SBGS TACTICAL LEVEL

State Border Security

1. State Border Security.
2. Organization of Activities of SBGS Engineering Units.
3. Organization of Activities of SBGS Canine Units.
4. Organisation of Activities of Unmanned Systems Units.
5. Organization of Activities of SBGS Logistics Units.

- Law enforcement activities in border guarding
- English and second foreign language
- Psychology of operational and service (combat) activities
- Communications and information systems

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TRAINING AND EDUCATION

Bohdan Khmelnytskyi National Academy of State Border Guard Service of Ukraine

HIGHER EDUCATION DEGREES AND STUDY PROGRAMMES



MASTER

- **SBGS OPERATIONAL LEVEL**
  - State Border Security
  - Law enforcement activities in border guarding
- **SBGS STRATEGIC LEVEL**
  - National Security (sphere of border guarding)



DOCTOR OF PHILOSOPHY

- State Border Security
- Law enforcement activities in border guarding
- Educational sciences in security and defence sector

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MODEL OF OFFICERS' TRAINING SYSTEM

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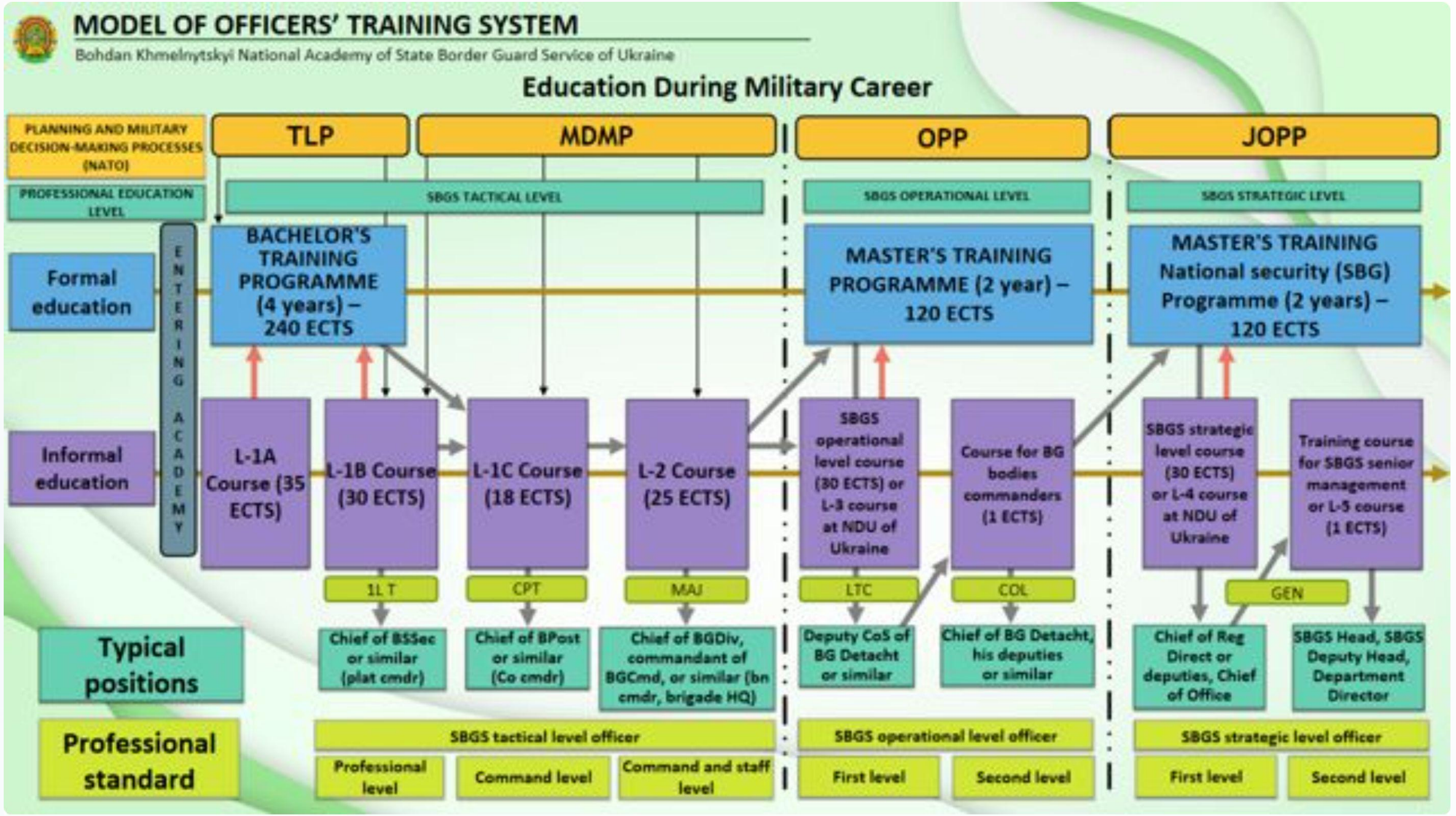
Education During Military Career



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REPELLING ARMED AGGRESSION

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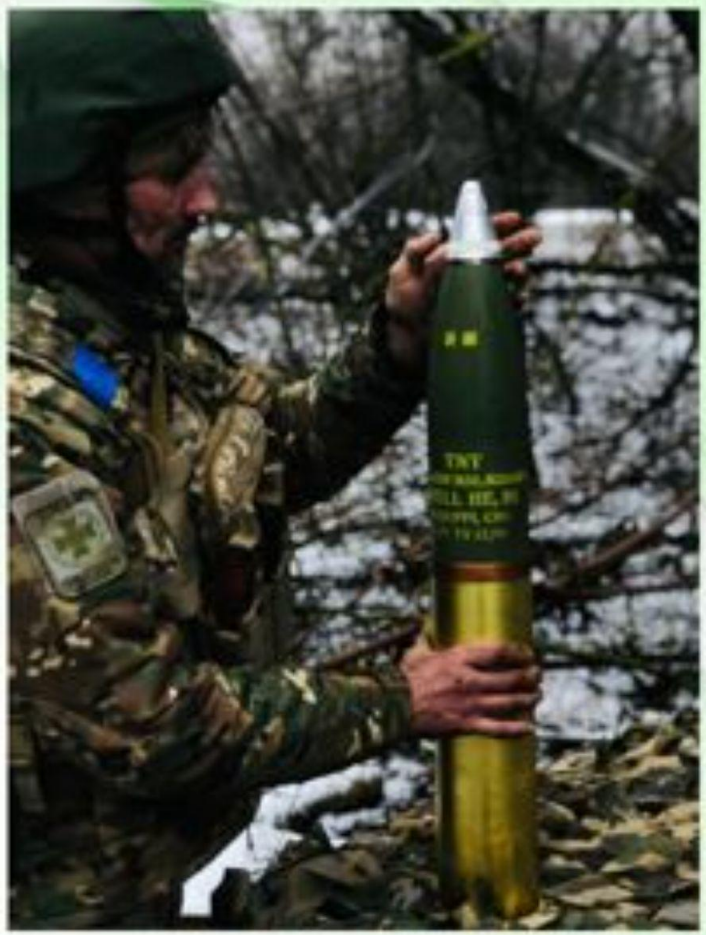
9 combined combat units were established which took part in the defence of Kyiv, Hostomel, Bucha, Moshchun, as well as at the northern and eastern borders





Around 2,100 servicemen from the academy gained combat experience, and over 1,000 of them since the start of the full-scale invasion

Over 700 servicemen perform duties in combat units

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MATERIAL AND TECHNICAL FACILITIES

Bohdan Khmelnytskyi National Academy of State Border Guard Service of Ukraine

Military installations

8

Total area of the military unit

416 ha

Training area

63,655 sq. m.

Number of buildings and facilities

89





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MATERIAL AND TECHNICAL FACILITIES

Bohdan Khmelnytskyi National Academy of State Border Guard Service of Ukraine



TRAINING AREA - 8



SPECIALISED CLASSROOMS - 29



LECTURE HALLS - 9



CLASSROOMS - 74



SIMULATION MODELLING



LIBRARY

Total training area – 13 644 sq.m /number of lecture halls – 9/
number of specialised classrooms - 29 (including 5 laboratories) / number of classrooms - 74

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MATERIAL AND TECHNICAL FACILITIES

Bohdan Khmelnytskyi National Academy of State Border Guard Service of Ukraine



SPORTS GROUNDS - 3



SPORTS COMPLEXES - 2



TRAINING GROUNDS - 3





SPORTS AREA WITH WEIGHT TRAINING EQUIPMENT - 1



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FIELD TRAINING CENTRE

Bohdan Khmelnytskyi National Academy of State Border Guard Service of Ukraine



TRAINING BORDER CROSSING POINT



MOORING PLACE FOR SMALL FLOATING CRAFT



TRAINING GROUND FOR SERVICE DOGS



COMPANY TACTICAL GROUND



TACTICAL OBSTACLE COURSE



URBANISED AREA

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SECURITY CONCERNS

Bohdan Khmelnytskyi National Academy of State Border Guard Service of Ukraine







18 SHELTERS FOR OVER 2,000 PERSONS







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Why Does GenAI Matter for Education?

AI is not replacing education — it is **transforming how education works**. From personalized learning to automated content creation, generative AI opens new possibilities for both teachers and learners.

Personalized Learning
Tailored pathways for every student

Instant Feedback
Real-time correction and explanation

Interactive Communication
Dynamic, conversational practice

Automated Content
Materials created in seconds

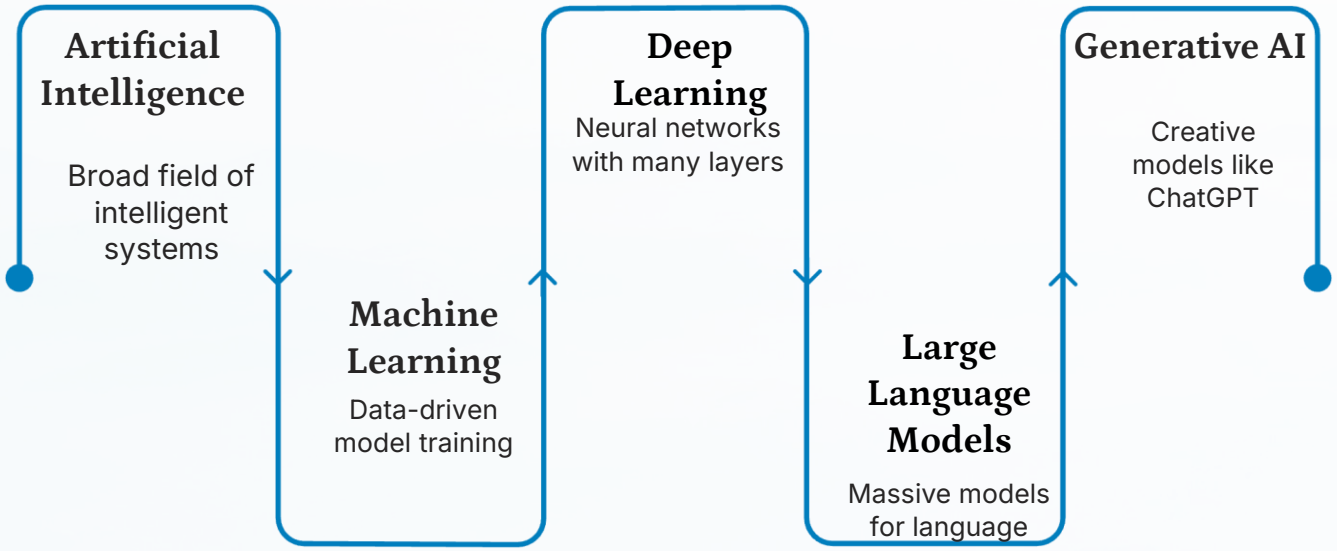


EVOLUTION

From AI to Generative AI

Generative AI is the most recent and powerful evolution of artificial intelligence — built on decades of research and breakthroughs in language modeling.

Each layer builds on the one before it. Large Language Models (LLMs) like **ChatGPT, Gemini, Claude, and Copilot** represent the cutting edge — capable of generating human-like text, answering questions, and supporting language learning.



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GenAI in English Language Teaching

Generative AI can support **every dimension** of language learning — from reading comprehension to speaking practice, grammar correction to vocabulary expansion.



Reading

Texts, summaries, comprehension questions



Writing

Drafting, grammar, revision support



Speaking

Dialogues, role-play, pronunciation



Listening

Adapted audio, repetition, explanation



Grammar & Vocabulary

Explanations, exercises, examples



Teacher Support

Lesson planning, materials, assessment

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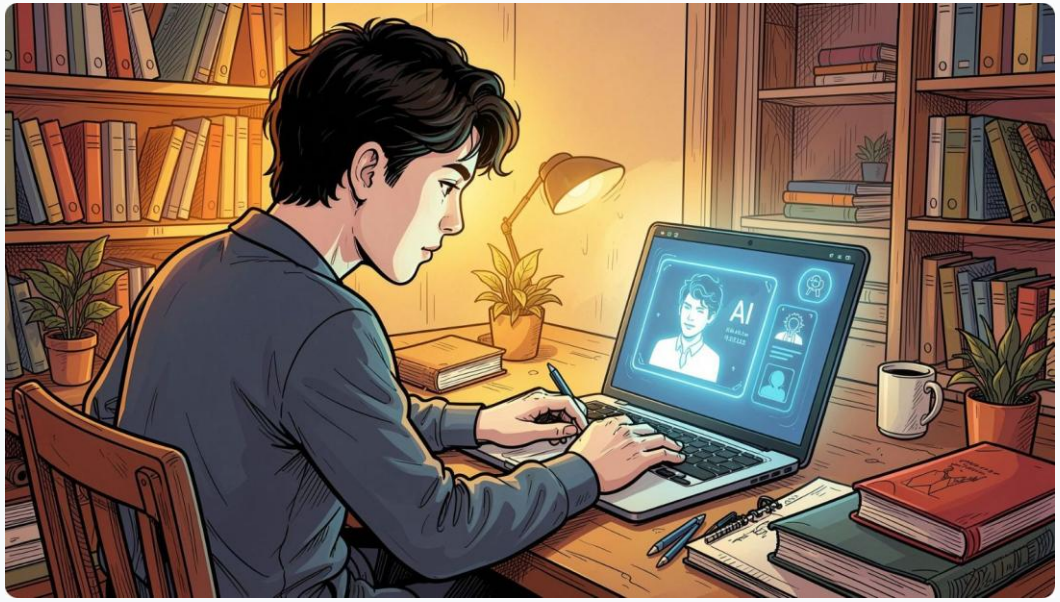
How AI Supports Language Skills



✍️ Writing

Drafting assistance, grammar correction, and revision suggestions

📖 Reading

Comprehension questions, text summaries, and vocabulary lists

🗣️ Speaking

Simulated dialogues, role-play scenarios, pronunciation feedback

🎧 Listening

Adapted audio scripts, repetition exercises, and explanations

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Key Opportunities of GenAI in ELT

Personalization

Individual learning paths adapted to each student's level and pace

Immediate Feedback

Fast correction and clear explanation available 24/7

Engagement

Interactive, conversational communication that motivates learners

Accessibility

Learning anytime and anywhere, removing barriers of time and place

Creativity

New ideas, materials, and approaches for dynamic lessons

Teacher Efficiency

Less routine work — more time for meaningful pedagogy

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But... What Are the Risks?

AI-generated content must be **critically evaluated**. Awareness of these risks is essential for responsible use in educational settings.



⚠ AI can sound confident and still be wrong. Critical thinking and source verification remain essential skills for both teachers and students.

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AI Hallucinations & Information Verification



Always verify AI-generated content against trusted sources before using it in teaching materials or assessments.

What Are Hallucinations?

AI models can generate plausible-sounding but **fabricated or inaccurate information** — including fake citations, incorrect grammar rules, or misleading examples.

How to Protect Against Them

- Cross-check facts with reliable sources
- Verify citations and references independently
- Use AI output as a starting point, not a final answer
- Teach students to question and evaluate AI responses

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Will AI Replace Teachers?

Technology supports teaching. Teachers remain responsible for pedagogy.
AI and teachers each bring unique strengths — the most powerful approach is collaboration, not competition.

AI Does

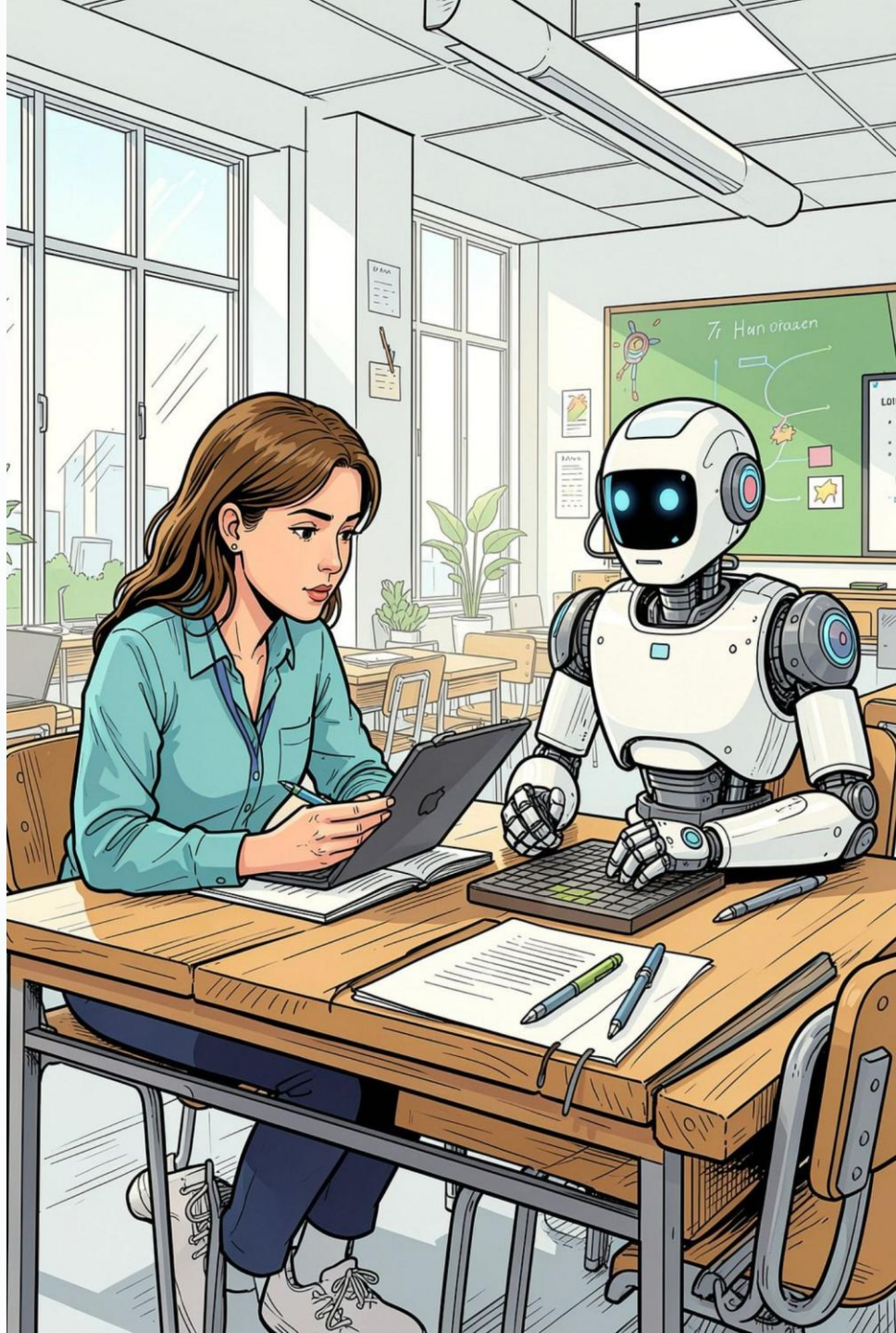
- Generates content and materials
- Adapts to individual learner levels
- Provides instant feedback
- Automates routine tasks



Teacher Does

- Motivates and inspires learners
- Makes pedagogical decisions
- Supports meaningful communication
- Develops critical thinking





Five Principles of Responsible AI Use

Responsible AI integration in English language teaching requires a clear ethical and pedagogical framework.

01

Human Supervision

Teachers oversee and guide all AI-assisted activities

ĆČ

AI Literacy

Understand how AI works, its strengths, and its limits

03

Prompt Literacy

Craft precise, effective prompts for quality output

ĆÇ

Information Verification

Always check AI output against reliable sources

ĆD

Balanced Pedagogy

Combine AI tools with traditional teaching methods

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СЛАВА УКРАЇНІ!

THANK YOU!

ГЕРОЯМ СЛАВА!

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