### ****Course Curriculum: "Fundamentals of Cybersecurity and Artificial Intelligence"****

**Duration:** 16 academic hours
**Format:** Lectures, practical sessions, group discussions
**Target Audience:**

* Seniors who want to learn the basics of cybersecurity
* Those interested in understanding how AI is used in everyday life

### ****Course Content****

#### **Module 1: Introduction to Digital Security (4 hours)**

📌 **Lesson 1: Cybersecurity Basics (2 hours)**

* What is cybersecurity, and why is it important?
* Main online threats: viruses, phishing, fraud.
* How to protect personal data.

📌 **Lesson 2: Device Security (2 hours)**

* Strong passwords and two-factor authentication.
* How to recognize online scams.
* Safe use of Wi-Fi and public networks.

#### **Module 2: Artificial Intelligence and Its Applications (4 hours)**

📌 **Lesson 3: What is Artificial Intelligence? (2 hours)**

* Basic concepts: machine learning, neural networks.
* Where AI appears in daily life.
* AI capabilities and limitations.

📌 **Lesson 4: AI Risks and Ethics (2 hours)**

* AI-powered fraud.
* Fake news and deepfakes: how to identify them.
* Ethics and boundaries of AI usage.

#### **Module 3: Practical Use of Digital Technologies (4 hours)**

📌 **Lesson 5: Safe Browsing and Online Search (2 hours)**

* How to use search engines effectively.
* Browser extensions that improve security.
* Ad blocking and protection from suspicious websites.

📌 **Lesson 6: Social Media and Messaging Apps (2 hours)**

* Privacy settings in social networks.
* How to detect fake accounts.
* Fraud protection in WhatsApp, Telegram, and other messengers.

#### **Module 4: Hands-On Experience with Artificial Intelligence (4 hours)**

📌 **Lesson 7: How AI Helps in Daily Life (2 hours)**

* Voice assistants (Alexa, Siri, Google Assistant).
* Automated translation and text generation.
* Using AI for information search.

📌 **Lesson 8: Final Session and Q&A (2 hours)**

* Summary of key takeaways.
* Case studies and real-life examples.
* Answering participants’ questions.

### ****Teaching Methods:****

✅ Live demonstrations on screen
✅ Group discussions of real-life examples
✅ Hands-on exercises (creating passwords, verifying websites, using AI)
✅ Analysis of common user mistakes

### ****Course Outcomes:****

✔ **Recognize and protect against major online threats**
✔ **Develop safe browsing and social media habits**
✔ **Use AI in daily life securely**
✔ **Identify fake news and online scams**

📌 **This course presents complex topics in a simple, practical way. It is perfect for anyone who wants to confidently navigate the internet and new technologies!**