



*In general, Ukraine retains significant potential in the field of AI. New university programs are developing in parallel with traditional academic institutions. During the war, Ukrainian innovators (including those dealing with AI issues) come up with important technical solutions, looking for new areas where AI could be applied in practice. At the same time, long-term challenges remain for the strategic development of AI in Ukraine. Among the key ones is the problem in the field of school mathematics education, which needs urgent attention to ensure that Ukraine can maintain its competitiveness in the field of AI. Despite the war, Ukraine continues to participate in European initiatives regarding the regulation of AI, in particular, in 2022, representatives of the Ministry of Digital Transformation participated in two meetings of the Committee on Artificial Intelligence (CAI) at the Council of Europe. Finding our own solutions, overcoming internal obstacles and further interacting with European partners is the way to go.*

## RECOMMENDATIONS

1. Research and assess the state of the AI sphere in Ukraine and the impact the full-scale Russian aggression had on it, set priorities and identify opportunities based on the current state.

2. Based on the research in paragraph 1, the current Concept for the development of artificial intelligence in Ukraine and its implementation plan for 2021-2024, elaborate the Strategy for the development of artificial intelligence in Ukraine until 2030 and its implementation plan containing clear KRIs.

3. Form an advisory body (committee, commission, board, etc.) for the development of artificial intelligence.

The aforementioned body should be headed by the Vice-Prime Minister - Minister of Digital Transformation, and it should include CDTOs of key government agencies, namely the Ministry of Economy, the Ministry of Justice, the Ministry of Internal Affairs, the Ministry of Education and Science, the Ministry of Health, the Ministry of Infrastructure, etc. Invite representatives from industry, the research community, and civil society to participate.

4. On the basis of the commission, on behalf of the government, draft a «Road Map of Regulatory and Legal Changes» containing proposals for the regulation of AI in Ukraine and invite stakeholders to participate in the development of the final version of the document.

5. Amend the Law of Ukraine «On Stimulating the Development of the Digital Economy in Ukraine» to extend of the special Diia.City legal regime to companies operating in the field of artificial intelligence.

6. Develop a project proposal and create a hub on the basis of the leading Ukrainian scientific institutions, which can engage in both fundamental and applied research in the field of AI, interact with foreign institutions working in the same sphere, support the Ukrainian IT industry and serve as its R&D base.

7. Stimulate the study of the societal impact of AI application in Ukraine and the government policy in the field of AI at universities and academic institutions pursuing research in relevant fields.

8. Ensure the development of educational programs in the field of AI for veterans and persons disabled as a result of war, as well as educational programs designated for the adaptation of persons discharged from military service.

9. Taking into account the long-term objective lack of financial resources that can be directed to the organization of research in the field of AI, create a system of incentives, and if necessary, simplify existing procedures that can impede more active interstate cooperation, educational exchanges, and internships of Ukrainian students in foreign universities, involvement of Ukrainian researchers in European scientific programs and activities of foreign laboratories.

10. Investigate the reasons for the decline in the quality of mathematics education in Ukraine and implement measures to improve the situation, developed in cooperation with specialists in this field, in particular, stimulating book publishing in this field.