

Ministry of Science and Higher Education of the Republic of Kazakhstan

Korkyt Ata Kyzylorda University

Institute of Artificial Intelligence

Approved

Chairman of the Academic Quality
Committee of the Institute of
Artificial Intelligence

 N. S. Kulmurzaev

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«PixelMind» Club

For the 2025-2026 academic year

PLAN

Kyzylorda, 2025

Goals and objectives of the club

Goal:

Formation of professional competencies of future IT specialists, including students in the field of computer science and artificial intelligence, in the field of computer vision, neural networks and machine learning, stimulating the creation of research and innovative projects.

Responsibilities:

1. Development of Computer Vision, Deep Learning, and Python programming skills.
2. Organization of practical work with the libraries YOLO, OpenCV, TensorFlow, PyTorch.
3. Conducting teamwork on "AI hackathons", small research projects and startup ideas
4. Improving students' research and engineering thinking skills.
5. Cooperation with partner organizations (for example, IT hub, DataLab, Verda AI) inside and outside the university.

Relevance of the student circle

Artificial intelligence technologies are currently penetrating all areas of the economy, education and science. For this reason, bringing future specialists to the level of the Creator-developer, and not just the user, is a time requirement.

The PixelMind club provides students with the experience of research, model building, coding, and full-cycle project implementation. The work of the club combines knowledge and innovation and contributes to the development of the digital ecosystem in the Kyzylorda region.

«PixelMind» Club of the Institute of Artificial Intelligence

The plan for the 2025-2026 academic year

P/c	Ongoing work	Due date	Responsible	Location of the event	Completion mark
1	Admission of circle members and determination of annual directions (Computer Vision, AI Ethics, ML Projects)	September 2025	Head of the club	300-auditorium	
2	"Intro to Computer Vision" training	October 2025	Head of the club	302-auditorium	
3	A workshop on YOLOv8 and OpenCV	November 2025	Head of the club	302-auditorium	
4	Step sprint "AI for Environment" (EcoVision, Waste Detection)	December 2025	Head of the club	302-auditorium	
5	Training on the basics of neuroimaging	January-February 2026	Head of the club	302-auditorium	
6	Conducting the student hackathon "PixelHack 2026"	March 2026	Head of the club	300-auditorium	
7	A great project for a portfolio	April-March 2026	Head of the club	302-auditorium	
8	Annual report and awarding of the best projects	May 2026	Head of the club	300-auditorium	

Director of the Institute of Artificial Intelligence:

 N. S. Kulmurzaev

Head of the club:

 N. N. Duzenov