

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
« 02 » 2025 y.



PLAN

for the "CodeForce" Club

for the 2025-2026 academic year

Kyzylorda, 2025

The purpose and tasks of the club:

Purpose:

To deepen students' knowledge in the field of algorithms and data structures, to develop their ability to think logically, to solve problems and to develop programming skills.

Duties:

1. Development of algorithmic thinking and logical decision-making abilities;
2. Preparation for programming Olympiads and platforms such as Codeforces, ICPC, LeetCode;
3. Improvement of team programming and analysis skills;
4. Learning modern algorithms and data structures (Graph, DP, Segment Tree, etc.).

Relevance of the club:

CodeForce club allows students to form an algorithmic culture and take the first step towards professional programming. This club develops logical thinking, calculation ability and team work.

“CodeForce” Club PLAN
for the 2025–2026 Academic Year

S/n	Activity	Implementation Period	Responsible Person	Venue	Completion Mark
1.	Meeting of reception and presentation of members of the circle. Introduction to directions: algorithms, Data Structures, Olympic Training.	September	Club Leader	Room 311	
2.	Introductory lesson: "algorithms and their significance".	October	Club Leader	Room 311	
3.	Practical lesson: sorting and search algorithms.	November	Club Leader	Room 311	
4.	Training in graphs and Dynamic Programming.	December	Club Leader	Room 311	
5.	Week of preparation for the ICPC and Codeforces competitions.	January	Club Leader	Room 311	
6.	Team scoring session (Mock Contest).	February	Club Leader	Room 311	
7.	Algorithmic marathon: solving 5 complex problems in one day.	March	Club Leader	Room 311	
8.	"Data Structures Challenge" - competition on data structures.	April	Club Members	Room 311	
9.	Annual final meeting and awarding of the best participants.	May	Club Leader	Room 311	

Director of the Institute of Artificial Intelligence:



N. S. Kulmurzaev

Club Leader:



D. A. Serikbayev