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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PLAN

for the "GearUp" Club

for the 2025-2026 academic year

Kyzylorda, 2025

Club Goals and Objectives

Goal:

To develop students' technical and engineering competencies through the study of robotics, programming, and modern automation technologies.

Objectives:

1. To form students' practical skills in the fields of design, electronics, and robot programming;
2. To develop engineering thinking, creativity, and the ability to solve technical problems;
3. To enhance the university's image through students' participation in robotics competitions, exhibitions, and projects;
4. To foster a culture of teamwork and project collaboration in a technical environment;
5. To motivate students toward innovation and the practical application of their knowledge.

Relevance of the Student Club:

The **"GearUp"** club is relevant for university students for several reasons:

1. **Development of Engineering Thinking:**
   Club members study the basics of mechanics, electronics, and programming, learning to apply theoretical knowledge in practice by creating real technical projects.
2. **Practical Skills in Robotics:**
   Students design, assemble, and program robots, mastering modern technologies in automation and mechatronics.
3. **Teamwork and Competitions:**
   Participation in national and international robotics tournaments helps students develop team spirit, leadership qualities, and the ability to work effectively in competitive environments.
4. **Support for the University's Innovative Potential:**
   The **"GearUp"** club promotes technical creativity, innovation, and strengthens the university's reputation as a center of engineering ideas and modern technologies.

Thus, the **"GearUp"** club helps students unlock their engineering potential, master essential 21st-century skills, and become part of the future of technological progress.

"GearUp" Club PLAN

for the 2025–2026 Academic Year

S/n	Activity	Implementation Period	Responsible Person	Venue	Completion Mark
1.	**Admission and Introductory Meeting of Club Members.** Introduction to the directions: robotics, programming, and engineering design.	September	Club Leader	Room 311	
2.	"Modern Technologies and the Role of Robotics in Engineering Education."	October	Club Leader	Room 311	
3.	**Practical Workshop:** Introduction to the basics of robotics and assembling simple models.	November	Club Members	Room 311	
4.	**"AI & Robotics Integration"** — studying the use of artificial intelligence in robotic systems.	December	Club Members	Room 311	
5.	Development of Autonomous Device Projects and Prototypes.	January	Club Leader	Room 311	
6.	**Formation of Project Teams and Role Distribution** (engineer, programmer, analyst, designer).	February	Club Leader	Room 311	
7.	Testing and Debugging of Robotic Projects; Preparation for Internal Competitions.	March	Club Members	Room 311	
8.	Organization of the "GearUp Robotics Challenge" Exhibition and Competition among Club Participants.	April	Club Members	Room 311	
9.	Summary of Results, Awarding Active Participants, and Developing Plans for the Next Academic Year.	May	Club Leader	Room 311	

Director of the Institute of Artificial Intelligence: N. S. Kulmurzaev

Club Leader: M. Tsoy