

REPORT

MAKEATHON «TOM: ALMATY»

On May 2023, the Tikkun Olam Makers: Almaty social makeathon was launched, by Satbayev University together with the Association of Friends of Tel Aviv University, whose program is aimed at solving the problems of people with disabilities.

Tikkun Olam Makers is a global initiative that unites people with disabilities and inventors who solve the problems of mobility and information transfer. During the month, seven teams from Almaty and Almaty region worked to solve various problems of real people.

On June 12-15, the international makeathon "TOM: ALMATY -2023" was held in Almaty, on the basis of SU. During the 72-hour event, makers (craftsmen), together with need-knowers (people with special needs), developed prototypes to solve the everyday problems of need-knowers.

The goal of makeathon is to create a simple and affordable device that will facilitate the daily life of people with disabilities. The organizers of the project are the Association of Friends of Tel Aviv University in the Republic of Kazakhstan together with the Inclusive Education Center, the Department of Youth and Sports, the Department of Robotics and Automation Equipment of the Institute of Industrial Engineering.

7 teams took part in the makeathon:

- two Satbayev University teams: "Robo Makers" (modernization of electric walkers) and "BioMix" (verticalizer with exercise bike function)
- Superbass team (preventive bandage with fixation and attachment)
- Junior Lab 1 team (modernization of walkers for individual sizes)
- Junior Lab 2 team (bed with lifting mechanism)
- The BuIIT command (Word Mentor application)
- professional Oncoprosthesis team (3D beam prosthesis to save the upper limb from amputation for patients with cancer)

The winning teams were determined by the decision of the jury:

- Superbass command (preventive bandage with fixation and attachment)
- Junior Lab 2 team (bed with lifting mechanism)





