

Introduction

Andijan State Technical Institute's vision, in terms of SDGs, is to be a "Leading University Committed to Social Responsibility and Sustainable Development through Innovation."

Andijan State Technical Institute has integrated the 17 Sustainable Development Goals (SDGs) into its academic, methodological, research, and educational activities, as well as mission-based strategies deemed necessary to achieve six Strategic Goals (SOs).

To introduce Andijan State Technical University, we will briefly describe the history and development of our university.

Andijan State Technical Institute is one of the higher educational institutions located in the Andijan region. The institute was founded in 1976 as the Andijan branch of the Tashkent Institute of National Economy (now Tashkent State Economic University). The institute has been operating as an independent institute since 1992 (first under the name Andijan Institute of Economics and Management, and then under other names). A brief history of the institute:

1. The higher educational institution was founded in 1976 as the Andijan branch of the Tashkent Institute of National Economy (now Tashkent State Economic University). By a decree of the President of the Republic of Uzbekistan dated June 6, 1991, the Tashkent Institute of National Economy was transformed into the Tashkent State Economic University.
2. On the basis of the Andijan branch of the Tashkent State Economic University, in accordance with the Decree of the President of the Republic of Uzbekistan No. 217 of February 28, 1992, the Andijan Institute of Economics and Management was established.
3. By the resolution of the Cabinet of Ministers of the Republic of Uzbekistan dated June 3, 1995 No. 211 "On improving the system of higher educational institutions of the Republic of Uzbekistan" (see link: <https://lex.uz/docs/461652> in Russian, <https://lex.uz/docs/7126369> in English), the Andijan Engineering and Economic Institute was formed on the basis of the Andijan Institute of Economics and Management and the Andijan Experimental Training and Production Center.
4. Based on the resolution of the President of the Republic of Uzbekistan dated May 20, 2011 No. PP-1533 "On measures to strengthen the material and technical base of higher educational institutions and radically improve the quality of training of highly qualified specialists" (see link: <https://lex.uz/acts/2057277>) and Decree of the Cabinet of Ministers of the Republic of Uzbekistan dated July 25, 2011 No. 214 "On the transformation of the Andijan institute of engineering and economics into the Andijan institute of mechanical engineering" (see link: <https://lex.uz/ru/docs/1837258> in Russian and <https://lex.uz/ru/docs/7149955> in English).
5. By the resolution of the President of the Republic of Uzbekistan of 11/18/2024 No. PP-396 "On the Establishment of the Andijan State Technical Institute" (see link: <https://www.lex.uz/ru/docs/7232600>), the Andijan State Technical Institute was formed on the basis of the Andijan Engineering Institute, the Andijan Institute of Economics and Construction, as well as the Andijan Faculty of the Tashkent Institute of Textile and Light Industry.

By 2025, more than 33 thousand specialists were trained at the institute.

The official address of the institute: 170019, Republic of Uzbekistan, Andijan region, Andijan city, Bobura avenue, 56. E-mail: info@astiedu.uz

General information about Andijan State Technical Institute

Full name of the university	Andijan State Technical Institute
University status	state university
Date of formation (name, renamed)	1976, Andijan branch of the Tashkent Institute of National Economy 1992, Andijan Institute of Economics and Management 1995, Andijan Institute of Engineering and Economics 2011, Andijan Machine-Building Institute 2024, Andijan State Technical Institute
Website	<u>https://web.astiedu.uz</u>
Faks:	+998-74-223-43-67
E mail:	<u>info@astiedu.uz</u>
State accreditation	30.12.2022
location	56 Bobura Avenue, Andijan Region, 170019, Republic of Uzbekistan
Rector	Turdialiev Umid Muxtaraliyevich
License (regulatory document)	№ 60
Number of students (day, part-time)	9593
Number of faculty	5
EDUCATION term	Bachelor - 4 years, Master - 2 years

MISSION OF THE INSTITUTE

The mission of the Andijan State Technical Institute is to provide training for specialists with higher education with modern knowledge and practical skills for sectors of the economy such as automotive, electrical engineering, energy, textile industry, mechanical engineering, construction and other industries of the Andijan region, based on improving the training system, as well as effective use of available resources and strengthening the material and technical base of the university.

University management, decision-making bodies, organizational structure of the university. link to the organogram on the university web page. <https://web.astiedu.uz>

Andijan State Technical Institute has 5 faculties and 17 departments in its structure.



The Andijan State Technical Institute continues to carry out significant work to eliminate poverty among the population of the Andijan region. In 2023, 50 young residents received financial and other assistance totaling over 80 million soums. In 2024, the rector of the institute was assigned to 23 young people from the Marifat mahalla, who received financial assistance totaling over 40 million soums.

Specific types of assistance were determined based on a study of the desires, capabilities, and challenges of young people. Table 1.1 below presents only some of the data on youth employment assistance provided in certain districts of the Andijan region.

Table 1.1.

**About the problems of unemployed youth attached to the rector of the Andijan State Technical Institute
and the assistance provided to them
INFORMATION**

№	Surname, first name and patronymic	District name	The name of the neighborhood assembly	Date and year of birth	Direction of application	Implemented assistance
1	Khayitov Sherzodbek Rustamjon ugli	Korgon tepa district	Yuksalish	09.06.1997	Allocation of 0.15 hectares of land for farming	Permanent position at the "Imorat Kurilish Tamir" PE
2	Temirova Madina Ubaidullaevna	Korgon tepa district	Yuksalish	04.03.2003	to secure permanent employment in his specialty	Permanent position at the technical institute of Andijan State Technical Institute
3	Mahammadzhanoov Khairullo Rakhmonberdi ugli	Korgon tepa district	Yuksalish	09.02.1996	Allocation of 0.15 hectares of land for farming	Employment as a craftsman-apprentice was secured through the Craftsmen's Association

4	Olimov Kobuljon Farhodjon ugli	Korgon tepa district	Yuksalish	13.04.2005	to secure permanent employment in her specialty	Permanent position at "Konteh OIL" LLC
5	Khojamberdiev Javokhir Murodjon ugli	Korgon tepa district	Yuksalish	19.01.1999	Allocation of 0.15 hectares of land for farming	Went to Russia, need to get a migration document
6	Olimov Odiljon Farhodbek ugli	Korgon tepa district	Yuksalish	23.11.2001	to secure permanent employment in her specialty	Permanent employment at Technical School No. 1 of the Kurgan-Tepa district
7	Yusupov Islambek Tavakkal ugli	Korgon tepa district	Yuksalish	01.06.1996	to secure permanent employment in her specialty	Employment as a craftsman- apprentice was secured through the Craftsmen's Association
8	Tursunbaeva Mavluda Farhod kizy	Korgon tepa district	Yuksalish	30.03.2006	to secure permanent employment in his specialty	He has given up his desire to work because he is currently preparing for higher education.
9	Nabiyev Khayatillo Nosirjon ugli	Korgon tepa district	Yuksalish	13.09.1996	Submit to an orderly migration	Studying at a driving school. For category BC. Currently busy studying.
10	Ikromov Sardorbek Ilyosjon ugli	Korgon tepa district	Yuksalish	19.04.2007	Submit to an orderly migration	Employment as a craftsman- apprentice was secured through the Craftsmen's Association
11	Juraev Sarvarbek Umidjon ugli	Korgon tepa district	Yuksalish	01.11.1999	to secure permanent employment in her specialty	Credit issue, need to get it from Asakabank
12	Mahmujonov Nosirjon Komiljon ugli	Korgon tepa district	Yuksalish	22.03.1996	Getting a loan to open a store	A soft loan of 90.7 million soums was allocated to open a computer club to develop e- sports
13	Madaminjonov Bahramjon Nuriddin ugli	Korgon tepa district	Yuksalish	13.04.2004	Getting a loan to open a store	A soft loan of 83 million soums was received to engage in bakery activities.

14	Yuldashev Iskandar Ramatbek ugli	Korgon tepa district	Yuksalish	13.01.2002	to secure permanent employment in her specialty	Went to Turkey, need to get a migration document
15	Khojamberdiev Javokhir Murodjon ugli	Korgon tepa district	Yuksalish	19.01.1999	Allocation of 0.15 hectares of land for farming	Went to Russia, need to get a migration document
16	Mamasiddikov Zioyiddin Ganijon ugli	Korgon tepa district	Yuksalish	01.11.1999	to secure permanent employment in her specialty	Welder, starting March 15, will open a sole proprietorship, will be engaged in selling soft drinks, will be self-employed
17	Mukhammady unusov Asilbek Alisher ugli	Korgon tepa district	Yangi hayot	16.04.1996	returned from migration	He was recruited for retraining in the medical field.
18	Khusanov Temurbek Rakhimjon ugli	Korgon tepa district	Yangi hayot	09.10.2006	returned from migration	German language learning center in Tashkent
19	Kodirohunov Oyatillo Sherzodbek ugli	Korgon tepa district	Yangi hayot	18.01.2008	school graduate	Received a certificate from the Department of Defense for sending him to military service for 1 year
20	Tukhtasinov Islambek Marifjon ugli	Balikch i district	Dagestan	15.01.2001	Getting a loan	He will be sent to military service in April

As Table 1.1 shows, some are provided with funds for work, others receive assistance with tuition fees, and also assistance with obtaining a loan. Particular attention was given to young people wishing to attend courses in English, German, and information technology. Institute Rector U.M. Turdialiev visited the residences of young people in need of assistance. A summary of youth employment support is provided in Table 1.2.

Table 1.2.

**About the problems of unemployed youth attached to the rector of the Andijan State Technical Institute
and the assistance provided to them
INFORMATION**

№	District name	The name of the neighborhood assembly	Number of young people receiving employment assistance
1	Korgontepa district	Yuksalish	16

2	Korgontepa district	Yangi hayot	3
3	Balikchi district	Dagestan	25
4	Balikchi district	Qiyali	29
5	Balikchi district	Ilgor	23
6	Balikchi district	Toda	25
	Total	x	121

Below are photographs of youth employment activities carried out, published on official channels and in the media.

KURGONTEPA DISTRICT
Yuksalish and New Life Foundation

16
Unemployed young people
were enrolled

90,7 MILLION UZS
CyberSports Club (Loan)

83,0 MILLION UZS
Poultry Farming Business (Loan)

WORK WITH UNEMPLOYED YOUTH ASSIGNED TO THE RECTOR OF ANDIJAN STATE TECHNICAL INSTITUTE



Home visits conducted to assess the living conditions of young people

COMPREHENSIVE RESULTS ACHIEVED IN IMPLEMENTING THE YOUTH POLICY DURING ALL THESE YEARS

EMPLOYMENT OF YOUTH



Sherzodbek Khayitov
Founder of "Imorat Qurilish"
Training LLC
(Yuksalish Foundation)



Madina Temirova
Student of the Andijan State
Technical Institute
(Yuksalish Foundation)



Odiljon Olimov
1st-year student of the
Chirchiq State Technical
University

EASY ACCESS TO CREDIT AND SUPPORT



Nosirjon Makhmudjonov
CyberSport Club
startup project
(90.7 million UZS loan)



Bakhramjon Madaminjonov
Poultry farm startup
project
(83 million UZS loan)

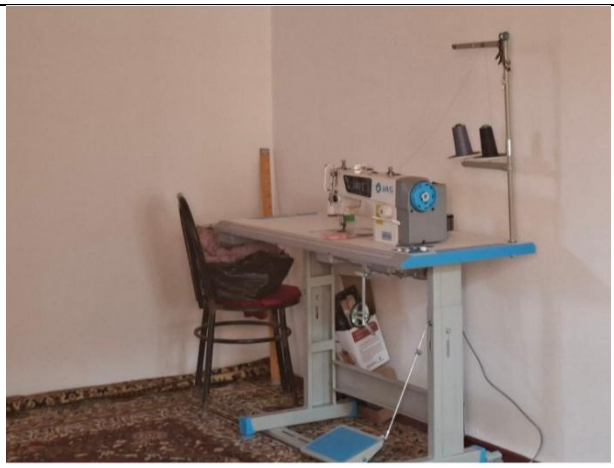
EDUCATION AND PUBLIC SERVICES



Temurbek Khusanov
Winner of a state scholarship
in Tashkent city,
studying German language



Oyatillo Kodigozhunov
Winner of a state scholarship
in public services
(from April this year)



The unemployment problem of 24 young people in the Kyyali MFY in Balikchi district has been resolved.



2025, the Institute of the Rector of the Republic of Kazakhstan, the Republic of Kazakhstan, and the Republic of Kazakhstan, are working to eliminate poverty.

In addition to all of the above, it is important to note that the issue of poverty eradication has become the focus of research by the Institute's doctoral students and researchers.

Table No. 1.3.

**LIST OF RESEARCH WORKS AIMED
AT POVERTY ERADICATION**

№	Research Topic	Specialty	Last name, first name, and patronymic of the doctoral student	Scientific advisor
1	Financing Mechanisms for Poverty Reduction Measures in Uzbekistan	Macroeconomics	Rozioxunova Xilolaxon Jaloldin kizi	Khakimov Dilmurod Valijon ogli
2	Methods for Effective Use of Infrastructure Potential in Small Business and Private Entrepreneurship Development (using the Andijan Region as an Example)	Information Systems and Technologies in Economics	Kosimov Sardor Dilmurodovich	Ermatov Akmaljon Adxamovich

2 ZERO HUNGER



End hunger, achieve food security and improved nutrition and promote sustainable agriculture

"Goal 2—Zero Hunger—promises to end hunger, achieve food security, improve nutrition, and promote sustainable agricultural development. This goal is a priority for the UN World Food Programme," states the international organization's website.

The word "hunger" isn't quite appropriate for the conditions in our country, but ensuring food security, improving nutrition, assisting low-income families, and promoting sustainable agricultural development are issues that remain on the agenda.

Throughout 2025, the institute implemented a campaign to provide assistance to low-income families for the New Year. For example, food was provided to low-income families on Badavlat Street in the Pakhtaabad district of the Andijan region.



The general list of low-income families who received assistance from the Andijan State Technical Institute is given in the following table No. 2.1.

Table 2.1.

List of poor families assisted by Andijan State Technical Institute

№	Heads attached to the institute surname, first name and patronymic	District name	The name of the neighborhood assembly	Combined poor family - surname, first name and patronymic
1	TURDIALIYEV UMID MUXTARALIYEVICH	Balikchi district	Nurafchon	G'ULOMOVA NODIRAXON RAVSHANBEK QIZI
2	TURDIALIYEV UMID MUXTARALIYEVICH	Balikchi district	Nurafchon	SOLIYEVA FOTIMA NABIYEVNA Rasmiy ishga joylshirildi
3	TURDIALIYEV UMID MUXTARALIYEVICH	Balikchi district	Nurafchon	MAXKAMOVA ZARNIGOR KODIRJON QIZI
4	TURDIALIYEV UMID MUXTARALIYEVICH	Balikchi district	Nurafchon	TEMIROVA DONAXON KARIMOVNA
5	TURDIALIYEV UMID MUXTARALIYEVICH	Balikchi district	Nurafchon	XOLIQOVA GULCHEXRA TURG'UNOVNA
6	ABDULLAYEV NODIRBEK SANJAROVICH	Jalakuduk district	Qalambek	KAMALOVA MAVJUDAXON SHAVKATBEKOVNA
7	ABDULLAYEV NODIRBEK SANJAROVICH	Jalakuduk district	Qalambek	SUYUNBAYEVA DILNOZAXON MUXIDDIN QIZI
8	ABDULLAYEV NODIRBEK SANJAROVICH	Jalakuduk district	Qalambek	TURGANBAYEVA ROZIYAXON KUSHAKBAYEVNA
9	ABDULLAYEV NODIRBEK SANJAROVICH	Jalakuduk district	Qalambek	TO'XTASINOVA OYZODA YULDASHBOY QIZI
10	ABDULLAYEV NODIRBEK SANJAROVICH	Jalakuduk district	Qalambek	MUXTOROVA ULMASXON ABDUMUTALIB QIZI
11	SHERBOYEV MURODBEK FOZILJON O'G'LI	Jalakuduk district	Ibrat	MAMASAIDOVA DILAFRUZ DILSHODBEK QIZI
12	SHERBOYEV MURODBEK FOZILJON O'G'LI	Jalakuduk district	Ibrat	ISMOILOVA NILUFAR ABDUKAXXOROVNA
13	SHERBOYEV MURODBEK FOZILJON	Jalakuduk district	Ibrat	ALIMOVA GULSANAM GULOMJANOVNA

	O'G'LI			
14	SHERBOYEV MURODBEK FOZILJON O'G'LI	Jalakuduk district	Ibrat	MAMAZIYAYEVA SHOXIDAXON NAZARALIYEVNA
15	SHERBOYEV MURODBEK FOZILJON O'G'LI	Jalakuduk district	Ibrat	MAMARASULOVA DILDORAXON SHAVKATOVNA
16	ALIYEV SUHROB RAYIMJONOVICH	Izboskan district	Rovot	AXMADALIYEVA XAMIDA ISMAILOVNA
17	ALIYEV SUHROB RAYIMJONOVICH	Izboskan district	Rovot	KAMILOVA NARGIZA G'AFURJANOVNA
18	ALIYEV SUHROB RAYIMJONOVICH	Izboskan district	Rovot	ABDULLAYEVA XURSANOY BAXTIYORJON QIZI
19	ALIYEV SUHROB RAYIMJONOVICH	Izboskan district	Rovot	MADMAROVA MINOJATXON YAKUBJONOVNA
20	ALIYEV SUHROB RAYIMJONOVICH	Izboskan district	Rovot	TOSHPO'LATOVA SHAXNOZA UMMATOVNA
21	ERMATOV AKMALJON ADXAMOVICH	Balikchi district	Shor	XOLMATOVA MARG'UBAXON XASANOVNA
22	ERMATOV AKMALJON ADXAMOVICH	Balikchi district	Shor	MURODOVA MUYASSARXON KURBONALI QIZI
23	ERMATOV AKMALJON ADXAMOVICH	Balikchi district	Shor	MIRZARAXMATOVA MAFTUNAXON MAXMUDJON QIZI
24	ERMATOV AKMALJON ADXAMOVICH	Balikchi district	Shor	JALILOVA YORQINOY RIVOJIDINOVNA
25	ERMATOV AKMALJON ADXAMOVICH	Balikchi district	Shor	ISMANOVA GULNOZA GOFUROVNA
26	TURGUNOV TURSUNBOY SABIROVICH	Jalakuduk district	Namuna	O'RAZOVA GULZINA ELMUROD QIZI
27	TURGUNOV TURSUNBOY SABIROVICH	Jalakuduk district	Namuna	SABIROVA JAMILOXON KABILJANOVNA
28	TURGUNOV TURSUNBOY SABIROVICH	Jalakuduk district	Namuna	VAXOBOVA MUAZZAMXON OZOTBEK QIZI
29	TURGUNOV TURSUNBOY	Jalakuduk district	Namuna	SULAYMONOVA GULIRA'NOXON

	SABIROVICH			KUDRATULLAYEVNA
30	TURGUNOV TURSUNBOY SABIROVICH	Jalakuduk district	Namuna	ABDUMAJIDOVA NODIRAXON MURATJANOVNA
31	MADRAHIMOV ULUG'BEK ABDUXALILOVICH	Markhamat district	Bobohuroson	MAMAJONOVA FARIDAXON G'OFURJONOVNA
32	MADRAHIMOV ULUG'BEK ABDUXALILOVICH	Markhamat district	Bobohuroson	SOLIJONOVA SHOXSANAM AZIZXO'JA QIZI
33	MADRAHIMOV ULUG'BEK ABDUXALILOVICH	Markhamat district	Bobohuroson	BOBOXOJAYEVA GULNOZAXON MAMAJONOVNA
34	MADRAHIMOV ULUG'BEK ABDUXALILOVICH	Markhamat district	Bobohuroson	SOTIBOLDIYEVA SAIDAXON SOBITXON QIZI
35	MADRAHIMOV ULUG'BEK ABDUXALILOVICH	Markhamat district	Bobohuroson	TILAVOLDIYEVA ZILOLA ZUXRIDDIN QIZI

This program also provided assistance with planting seedlings and seeds on the plots of low-income families. A total of five households living in the Zakhkash mahalla, Balykchi district, Andijan region, planted 13 fruit tree seedlings and various vegetables, such as bell peppers, tomatoes, and others. The land plots covered were over 12 hectares.



Andijan State Technical Institute (ASTI) is implementing a food safety strategy for a healthy lifestyle. Based on this strategy, as outlined in last year's report, it was planned to build a new food center on the university campus to provide students, staff, and the general public with high-quality, hygienic food at affordable prices.

Andijan State Technical Institute (ASTI) is implementing a strategy developed in line with these sustainable development goals. Thus, institute employees took the initiative to contribute to agricultural production by planting and caring for crops and trees in their garden plots. The following tasks were defined: timely planting of seedlings and seeds in their plots without delay, as well as proper care. Each employee with a plot of land completed the assigned tasks and reported back, submitting photographs.

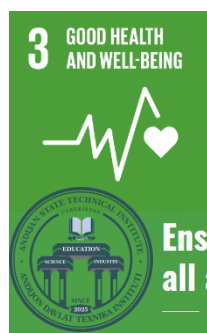




It's worth noting that construction of the new administrative and academic building began in 2024. Construction has been completed, and finishing work is expected to be completed by the end of 2025. The building will be commissioned for the 2026-2027 academic year. The building houses a new food court with all amenities. Additionally, the food court can be used as a coworking space, where students can work together, read books, and socialize with peers. Students have access to Wi-Fi, clean water, convenient transportation, and compliance with food safety and health standards.

To ensure safe food supplies, the Faculty of Automobile Engineering at Andijan State Technical Institute established a store as part of the project, which continues to operate. The store sells a variety of safe agricultural products, including fruits and vegetables. The product range includes pesticide-free vegetables, processed foods, seeds, plants, trees, quality garden soil, agricultural equipment, and bioorganic fertilizers. These products are carefully selected from various departments and agricultural supply centers, farmer associations, and online entrepreneurs to ensure consumers can be confident in the quality of the products. Currently, all four student residences have grocery stores that provide students with high-quality, safe, and affordable food products, including agricultural produce.

A report submitted for previous periods stated that the institute annually purchases agricultural produce in bulk in the fall. All institute employees, including academic and non-academic staff, will be provided with agricultural produce to prepare for winter. For this purpose, each employee is allocated funds equal to twice the minimum wage established in Uzbekistan.



Ensure healthy lives and promote well-being for all at all ages



Universal health coverage (UHC) is the provision of essential and free health care services to all people and communities without financial hardship. This includes a full range of essential, modern, accessible, effective, and high-quality health care services. As a research center, the Andijan State Institute contributes to global health efforts.

It is especially noteworthy that the research activities of the institute's faculty members focus on issues related to environmental protection, climate change, and, most importantly, healthy lifestyles and natural treatments for the most common human diseases.

Table 3.1.

**LIST OF RESEARCH WORKS AIMED AT
ENSURE FOOD SAFETY AND HEALTHCARE**

T.p.	Research topic	Specialty	Surname, first name and patronymic of the doctoral student	Scientific advisor
1	Improving quality management systems in food industry enterprises based on risk management.	Standardization and Product Quality Management	Roziokhunova Khilolaxon Jaloldin kizi	Khakimov Dilmurod Valijon ogli
2	Obtaining and classifying food additives containing certain biogenic elements.	Technology of Inorganic Substances and Materials Based on Them	Karimov Islamjon Umaboy ogli	Olimov Lutfiddin
3	Assessing the impact of natural biologically active substances on the quality and safety of fruit products during storage.	Standardization and Product Quality Management	Karimov Umidjon Mukhammadkodir ogli	Khalmerzayev Kabil Ikramovich
4	Development of a mechanical physiotherapy equipment design based on RFID technology for the treatment of spinal disorders.	Technological Machines. Robots, Mechatronics, and Robotic Systems	Ruziyev Nodirbek Avazjon ogli	Jorayev Zafar Botirovich

To ensure the health and well-being of students and staff, the "Student" sports club continues its operations at the Andijan State Technical Institute. As stated in the 2024 report, the institute allocated 2 billion 163 million soums in 2023 to improve the sports club's effectiveness and organize student leisure activities. These funds were used to construct and commission one work-out facility, two mini-football stadiums, one basketball court, one beach volleyball court, one volleyball court, one long jump court, one running track, one archery range, and one shooting range on the institute's main building.

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The indicator for simultaneous maintenance of separate sports facilities was 200 people in 2021, 260 people in 2022, 386 people in 2023, and 580 people in 2024.

The number of sports club members in 2021 was 1,300, in 2022 1,450, and in 2023 1,780. In 2024, this number will exceed 2,000.

In addition to regular sports activities, a mass walking marathon was organized at the Andijan State Technical Institute under the slogan "5,000 steps with the rector for a healthy life."

Over 100 administrators, staff, professors, teachers, and students participated in the walking marathon, which started from the institute building.



It's encouraging that all students were physically active during the marathon.

Walking is known to be the easiest and most convenient of all sports. It doesn't require much energy, yet the benefits are significant.

According to experts, just 2.5 hours of physical activity per week reduces the risk of premature death by 28% and the risk of cardiovascular disease by 20%. This means that people who engage in at least 150 minutes of physical activity per week are healthier than those who exercise less.

Andijan State Technical Institute continues to implement its policy of creating smoke-free zones throughout the university and has launched anti-smoking campaigns to inform staff and students about the dangers of smoking, promote a culture of hygiene, and post no-smoking warning signs in the workplace. The institute also operates a smoking cessation counseling agency that helps students, staff, and other smokers quit. This counseling service is designed for anyone concerned about this issue, whether they themselves or their loved ones, and helps them understand successful steps to quitting smoking, which are considered part of improving public health. Anyone can access this service through the counseling service.

It is especially worth noting that the institute organizes anti-drug events annually. Throughout 2025, seven to eight events were held monthly among students, aimed at eliminating the negative impact of

narcotic drugs and psychotropic substances on public health and the gene pool of our country by stopping their illegal distribution.

It should be especially noted that the institute organizes anti-drug activities every year. Throughout 2025, 7-8 events were held among students each month to eliminate the negative impact of narcotic drugs and psychotropic substances on public health and the gene pool of our country by putting an end to their illegal circulation.

In particular, on January 13, 2025, various meetings and discussions will be held at the institute to broaden the worldview of young people, prevent various illegal situations and vices, as well as prevent them from falling under the influence of various psychotropic substances, and form immunity against drug addiction.

For this purpose, the heads of the institute and the specialist of the regional anti-drug department of the regional Internal Affairs Department Zainobiddinov Mukhriddin, and Ikromjonov Oktamjon, a doctor from the AIDS Center, agreed to talk about the negative impact of such vices on people. They called on everyone to fight together to prevent this. . https://t.me/aiqi_uz/7768?single

On January 15, 2025, a round table discussion was held at the Faculty of Intellectual Management and Computer Systems of the institute on the topic “Drug addiction and the harmful effects of strong psychotropic substances on the body.” <https://t.me/Andmiedul/22646>

At the event, the head of the department of work with youth, spirituality and enlightenment, member of the Republican Society of Enlightenment Promoters, Mukhtaramkhon Khalikova, spoke about the scourge of drug addiction, which has become a global problem today, threatening the future of peoples and nations, and gave examples of people who took their own lives.

Speaking at the roundtable discussion, Shukhrat Turaqulov, a leading specialist at the regional narcology dispensary, and Jonona Mamadaliyeva, a doctor at the institution, spoke about the harmful effects of drug addiction, various crimes and offenses resulting from it, the harm caused to the development of society and human health, and the consequences of children being born with disabilities and defects.

Also, Iftikhor Shermatov, a doctor at the regional narcology dispensary, provided information about crimes involving illegal dealing with narcotic drugs or psychotropic substances and the responsibility established for them, and called for awareness.

Also at the meeting, experts emphasized that it is no secret that this threat poses a threat not only to the health, fate and even the future of humanity, and that it is necessary to fight against it not only as a vice, but also as a global disaster.

At the end of the event, a methodological manual, booklets and flyers on “Mechanisms for organizing work to combat the illicit circulation of psychoactive substances among young people in educational institutions” were distributed.

On January 15, 2025, various meetings and discussions will be held at the Institute to broaden the worldview of young people, prevent various illegal situations and vices, as well as prevent them from falling under the influence of various psychotropic substances, and form immunity against drug addiction.

For this purpose, the heads of the Institute and the specialist of the regional anti-drug department of the regional Internal Affairs Department Zainobiddinov Mukhriddin, and Ikromjonov Oktamjon, a doctor from the AIDS Center, agreed to talk about the negative impact of such vices on people. They called on everyone to fight together to prevent this.

On January 16, 2025, the advisor to the rector of the institute on youth issues, the youth leader of the institute, I.Kobulov, organized a round table discussion with a group of talented young people from the Faculty of Mechanical Engineering Technology of the institute on the topic "Effective ways to eliminate problems such as delinquency, drug addiction, and immorality that negatively affect the spiritual and moral state of young people." <https://t.me/andmiyoshlari/4624>

On January 24, 2025, the "Electrical Engineering" faculty competition in the "Counter Strike" type of cybersporting was held at the institute under the slogan "We are against the spread of narcotic drugs, psychotropic and strong-acting substances." https://t.me/Andmi_yoshlari_ovozi/14479



On January 28, 2025, a presentation of the methodological manual "On mechanisms for organizing work to combat the illicit circulation of psychoactive substances among young people in educational institutions" was held at the University of World Economy and Diplomacy in order to ensure the implementation of the tasks set out in the Decree of the President of the Republic of Uzbekistan dated May 6, 2024. <https://t.me/Andmiedu1/22739>

On February 5, 2025, the tutor of the Faculty of Mechanical Engineering Technology of the institute A.Abdullayev conducted "Enlightenment Hour" classes on the topic "Healthy Lifestyle, Guarantee of a Prosperous Life" in the academic groups he had assigned to him.

A.Abdullayev explained to the students that a healthy lifestyle is a person's adherence to a daily routine, training his body through active movement, playing sports, eating a full and high-quality diet, and following hygiene rules. <https://t.me/andmiyoshlari/5349>

On June 16, 2025, within the framework of the "Relevant 90 Days" project and on June 26 - "International Day Against Drug Abuse", the institute's employees and students held awareness-raising events for citizens on the topics "Let's fight drug addiction together", "Let's protect a safe and healthy Uzbekistan together".

https://t.me/Andti_yoshlari/8555https://t.me/andmi_yoshlari/26317, <https://t.me/IBvaKT/10958>
https://t.me/Andmi_yoshlari_ovozi/19310

In short, providing young people with a healthy lifestyle through comprehensive spiritual education is a constant focus of the Andijan State Technical Institute.

Andijan State Technical Institute continues to implement its smoke-free policy across all university departments and has launched anti-smoking campaigns to educate staff and students about the dangers of smoking, promote a culture of hygiene, and post no-smoking warning signs in the workplace. The institute also operates a smoking cessation counseling service, which helps students and staff, as well as other smokers, quit smoking. This counseling service is designed for anyone concerned about this issue, whether they themselves or their loved ones, and helps them understand successful steps to quitting smoking as part of promoting public health. Anyone can access this service through the counseling service.

Andijan State Technical Institute has on-campus medical care. This service is primarily provided to students living in student residences located on the institute's campuses. Routine medical checkups for students and staff are conducted annually. Blood donation initiatives are also organized at the initiative of students and staff.



4 QUALITY EDUCATION



Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all



SUSTAINABLE DEVELOPMENT GOALS

Andijan State Technical Institute is distinguished in the region by its well-established systemic mechanism for managing the quality of education.

Internal quality assurance policy of Andijan State Technical Institute was approved by the Scientific Council of the Institute by the decision of the meeting No. 1 dated March 25, 2025. This policy is considered a component of strategic management and is viewed in conjunction with other documents, particularly the mission statement, strategic plan, and academic policy.

Andijan State Technical Institute internal quality provide policy quality provide and quality relentlessly development culture according to development b covers established general approaches, underlying principles and underlying mechanisms.

Internal quality assurance policies and standards are the basis of a logically ordered and continuous institution's internal quality assurance system. The system embodies a continuous improvement cycle and supports the development of a quality culture at all stages of the institution's activities.

This policy is implemented through internal quality assurance standards and processes that take into account the participation of all structural units.

To ensure the quality of education during 2020-2023, significant attention was paid to three areas of educational and methodological activities:

- provision of educational and methodological literature;
- foreign internships for faculty;
- engaging renowned scholars from leading foreign universities in the educational process.

In recent years, the education quality management system has been transformed by focusing on the following key areas of activity:

1) systematically combating corruption, including eliminating all elements of it in the management system, as well as in the educational and research activities of academic and non-academic staff;

2) strengthening the material and technical infrastructure to improve the digitalization and modernization of the educational process;

3) ensuring the gradual completion of international accreditation for educational programs;

4) improving educational, methodological, research, and spiritual-educational activities based on studying the experience of leading foreign universities.

Area 1. The fight against corruption at the national level is carried out directly under the leadership of the President of the Republic of Uzbekistan, Shavkat Mirziyoyev, who closely monitors compliance with anti-corruption legislation and has initiated many innovations in this area. Thus, on December 26, 2025, in his address to the republic's legislative body and the people, the President placed particular emphasis on developing the independence of compliance structures in government agencies. Compliance control departments are tasked with adapting the anti-corruption system to international standards, in particular, the international standard ISO 37001:2016 "Anti-Corruption Management Systems."

At the institute level, a sophisticated system for identifying signs of violations of the law classified as corrupt acts has been developed. In this regard, a primary focus is on enhancing students' legal skills and

their political and social engagement. Thus, in 2021, at the initiative of the institute's rector, one of the first ministry orders in this area was the establishment of student and youth anti-corruption clubs throughout the republic.

Since 2022, the institute has become the first in the republic to involve members of the youth anti-corruption club in public oversight activities related to student examinations. At the same time, emphasis is placed on public monitoring of the application process, meetings with faculty, preventative meetings, roundtables, and various forms of surveys. Our proven public monitoring system, comprised of the youth club, coworking center, and Public Monitoring Center, operates during these sessions. The data collected is duly documented, analyzed, and subject to expert and legal assessment.

As a result, this system has minimized corruption among the institute's staff and faculty. While three cases were identified in 2020-2022, no such cases were recorded between 2023-2026.

Direction 2. To improve teaching capabilities and expand the use of information and communication tools in education, an additional 35 interactive panels and 50 sets of computer equipment were purchased in 2025. 80% of classrooms are equipped with video cameras connected to the Education Quality Assurance and Educational and Methodological Management departments. The start and end of classes, as well as their quality, are monitored by staff from these two departments. The entire educational process is digitalized through the HEMIS educational platform, based on a credit-modular education system.



Area 3. To effectively organize the international accreditation of the Institute's four undergraduate programs, an agreement was signed with the international accreditation agency ASIIN on May 23, 2025.

The working group formed to prepare the Institute for the international accreditation process held ongoing online (via ZOOM, email, and other means of communication) and offline discussions and meetings with representatives of international accreditation organizations. These discussions yielded the necessary guidelines and recommendations for adapting the educational programs to international standards.

To conduct the international accreditation of the Institute's four educational programs, the organization of international accreditation of educational programs was formalized by Order No. 107 of the Rector of the Institute dated June 25, 2025, "On Preparing the Institute for the International Accreditation Process and Organizing Internal Assessment in 2025." In accordance with the appendices to this order, the list of educational programs recommended for international accreditation, the Roadmap for the work being carried out, and the composition of the responsible departments and working groups were approved. In connection with the implementation of this order, based on the recommendations of Irina Efimova and Michael Mayer, representatives of the international accreditation organization ASIIN, the educational

programs "Electrical Engineering," "Mechatronics and Robotics," "Biomedical Engineering," and "Mechanical Engineering" were fully adapted to international accreditation standards (Appendix 6).

On August 30, 2025, a self-assessment report for four educational programs was submitted to the international accreditation agency ASIIN in Germany. Following the review, the Agency requested a translation of some appendices into English, so the self-assessment report was resubmitted on October 10.

The self-assessment report was accepted, and on March 17, 2026, seven experts visited the international accreditation agency ASIIN for an on-site review. On March 18 and 19, experts from the German international accreditation agency ASIIN met with the rector, vice-rectors, department heads, professors, faculty, students, and staff of the institute as part of the audit and conducted an audit.

Based on the audit results, Michael Mayer, coordinator of the international accreditation agency ASIIN, drew preliminary conclusions. Based on these findings, appropriate measures have been taken, and the process is nearing completion, awaiting an official conclusion from the international accreditation agency ASIIN.

Below are photo reports on the international accreditation process – a SITE VISIT from experts in Germany.



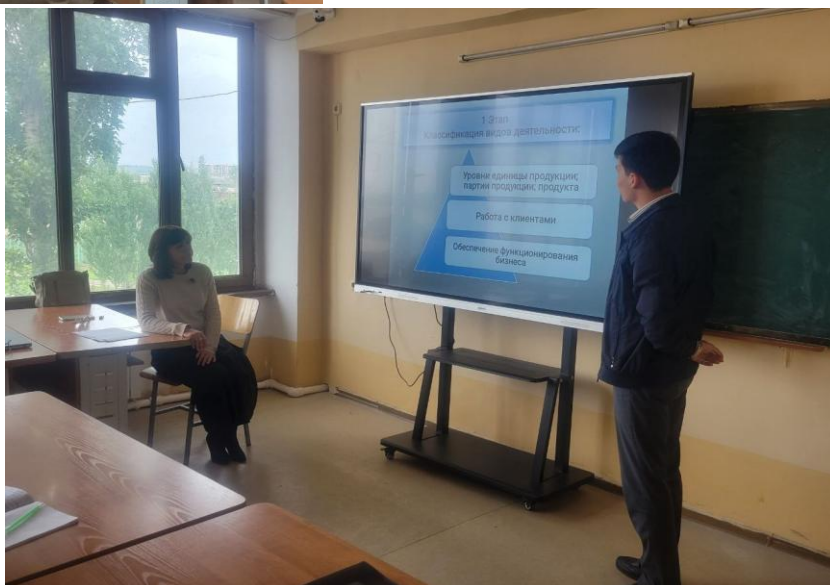


Area 4. In the 2025-2026 academic year, systematic efforts were made to increase the number of international students and expand academic exchange. Specifically, in the 2025-2026 academic year, the Institute admitted eight international students, and 20 students participated in international exchange programs.

Based on memorandums with foreign partner universities, research internships were organized for professors, teachers, and researchers, and international scientific collaboration was expanded. As a result, in 2026, internships were provided for 39 professors, teachers, researchers, and students.

Measures were taken to ensure that foreign faculty work was performed throughout the semester rather than just for a few days. Specifically, a mechanism was developed to ensure that foreign faculty work was performed throughout the semester in accordance with Presidential Decree No. 2909 of April 20, 2017. As a result, foreign scholars were assigned teaching loads in relevant disciplines, including classroom teaching, theses, and the supervision of master's theses.

In several departments, such as Economics, Management, Accounting, Electrical Engineering and Alternative Energy, two or more foreign faculty members from universities in China, Russia, and Kazakhstan were invited for periods exceeding three months, one semester, and one year in the 2025-2026 academic year. The number of foreign faculty members was 45 in 2024 and 46 in 2025.



Lectures and practical classes for Master's students majoring in Accounting by Professor Zuleikha Chulpanovna Khamidullina of the Russian Academy of Labor and Social Relations

The involvement of international scholars in academic, teaching, and research activities yielded positive results in all areas:

1. The educational programs of prestigious foreign universities ranked in the top 300 internationally were analyzed (Delft University of Technology; Stanford University; University of Southern California; Massachusetts Institute of Technology; City University of Hong Kong; Johns Hopkins University).
2. The curricula were revised based on those of leading universities in the United States, Singapore, and China. Specifically, the programs included relevant areas such as artificial intelligence in medicine, medical technology management, digital health systems, and maintenance of modern medical diagnostic equipment, and training modules focused on practical skills were developed.

3. The new ECTS-based curricula emphasized independent learning and students' practical skills. The total number of credits was strictly adjusted to 60 ECTS per academic year and 240 ECTS for the entire bachelor's degree program, in line with international requirements, while the number of credits in the following subjects was increased.



At the Andijan State Technical Institute, all activities are based on principles of gender equality. Women hold leadership positions at the institute alongside men. For example, the head of the International Cooperation Department is Fotima Karimova, the head of the Department for Work with Gifted Students is Oybahor Sotiboldieva, the head of the Master's Department is Doctor of Pedagogical Sciences Gulnoza Babayeva, the head of the Chancellery is Sevara, the head of the Archives is Mukhayo Abidova, the head of the 1st Department is Matlyuba Mamadalieva, and the head of the Human Resources Department is Sultonoy Baymirzayeva. The head of the Chemistry and Chemical Technology Department is also a woman – Doctor of Economics, Professor Gulistan Orazimbetova, and the head of the Architecture and Construction Department is Associate Professor Shakhnoza Egamberdieva. Several faculties have female deputy deans, such as Gulsora Yusupova. It's worth noting that the institute has seven faculties and 18 departments. This indicates that women are actively involved in the management of educational and scientific activities.

Table No. 5.1.

Information on the number of women among ASTI staff

Общее количество		количество женщин		Доля, в %
Количество руководящих должностей	38	Количество женщин-руководителей	11	28,9
Number of Doctors of Science (DSc) and Professors	20	Number of female doctors of science and professors	4	20
Number of PhDs	150	Number of female PhDs	30	20
Number of Professors	470	Number of female faculty members	120	25,5
Number of Doctoral Candidates	148	Number of female doctoral candidates	36	24,3

In the field of research, there is a trend toward an increase in the number of female faculty members with advanced degrees. As the table shows, the share of women with advanced degrees currently stands at 20%, while the share of female doctoral students is 24.3%. This indicates a positive shift in terms of gender equality.

It is particularly noteworthy that the first step has been taken in organizing research activities dedicated to women's entrepreneurship:

Table No. 5.2.

**LIST OF RESEARCH WORKS AIMED
AT ENSURING GENDER EQUALITY AND THE ROLE OF WOMEN IN SOCIETY**

T.p.	Research topic	Specialty	Surname, first name and patronymic of the doctoral student	Scientific Director
1	Improving the economic mechanism of women's entrepreneurship through the development of its activities	Entrepreneurship and Small Business Economics	Kamoldinova Nargiza Anvarovna	Israilova Dilduzaxon Karimovna

Among the women scientists are Doctors of Science (D.Sc.), Professor Gulistan Orazimbetova (D.Sc.), Chemistry, and Professor Gulchekhra Umarova (D.Sc.), Pedagogical Sciences. Professors Gulmira Zufarova and Nilufar Kobulova are also among them.

Each year, in honor of Teachers' and Mentors' Day, sports competitions are held among female staff members in volleyball, chess, checkers, and table tennis. Winners receive awards.

Management provides financial incentives for women in line with the principles of gender equality. For example, in honor of March 8, Independence Day, and Teachers' and Mentors' Day, every second award recipient is a woman. Among those awarded is Saida Atazhanova, Head of the Information Technology Department, who received the state award, the "SHUKHRAT" medal.

It is worth noting that events are held annually to celebrate the achievements and scientific work of female faculty members. For example, a meeting of women scientists was held in October 2025. Discussions and meetings are also held at students' residences. Representatives of various public organizations are invited to attend.

For example, on March 18, 2026, the Faculty of Mechanical Engineering and Chemical Engineering of the Andijan State Technical Institute, in collaboration with the editorial board of the women's socio-political and cultural-educational publication "Iqbol"—the newspaper "Gender Equality—One of the Foundations of Sustainable Development"—organized a seminar on "Gender Equality—One of the Foundations of Sustainable Development" as part of a grant project from the Public Fund for the Support of Civil Society Institutions under the Oliy Majlis of the Republic of Uzbekistan.



Recognizing the importance of gender equality and diversity, Andijan State Technical Institute has developed dress codes and regulations for graduates on graduation day, allowing students to choose clothing consistent with their gender identity for the graduation ceremony.

All of this information demonstrates that Andijan State Technical Institute prioritizes rights and freedoms to ensure gender equality and human rights, to avoid discrimination, promote gender justice, and protect freedom of expression, which leads to physical, mental, social, and intellectual well-being, including the further development of personal potential for the future.

6 CLEAN WATER AND SANITATION




Ensure availability and sustainable management of water and sanitation for all

SUSTAINABLE DEVELOPMENT GOALS

6. Ensuring the availability and rational use of water resources and sanitation for all

Water conservation is a global issue. Uzbekistan is among the regions with high water stress, so the provision and careful use of drinking water in Uzbekistan is under the close attention of the government and international experts. Approximately 7 million people experience infrastructure access issues, and the coverage rate of centralized water supply is approximately 74.4%.

Addressing this global and regional challenge associated with limited water resources, Andijan State Technical Institute is working in several areas:

1. Organizing more efficient use of water resources in both the workplace and households.
2. Taking measures to reduce water pollution on the institute's campuses and throughout the region.

A program to reduce paper and plastic waste.

3. Promoting improved water use in agriculture.

To ensure the economical and efficient use of water resources, the institute implemented a special program in the first area—organizing more efficient use of water resources both in the workplace and at home. In accordance with this program, meters were installed for drinking water taps. All institute employees, including academic and non-academic staff, installed water meters at home. Implementation of this program was monitored through daily photo reports from institute staff. This initiative had a dual effect: first, it ensured the economical use of water, and second, it reduced water bills for institute employees.

To reduce water pollution, that is, in the second area, specific measures were taken to reduce water pollution on the institute's campuses and throughout the region. A program to reduce paper and plastic waste was also implemented.

Andijan State Technical Institute has incorporated environmentally friendly wastewater management into its infrastructure. Wastewater management refers to the process of collecting, treating, and safely disposing of waste from homes, businesses, and other facilities.

It is known that this process involves several key stages:

1. Collection: Wastewater from toilets, sinks, showers, and industrial sources is collected through a network of pipes known as a sewer system and sent to a treatment plant.

2. Pretreatment: Large debris, such as branches, rocks, and other solids, are removed through filtration and settling processes.

3. Primary Treatment: During this stage, suspended solids settle out of the wastewater in large tanks called settling basins. Oils and greases are also removed.

4. Secondary Treatment: Remaining organic matter is broken down by bacteria in biological treatment processes such as activated sludge systems, biofilm filters, or biofilters. The goal is to reduce the organic content of the wastewater.

5. Tertiary Treatment: Here, further treatment may be performed to remove nutrients such as nitrogen and phosphorus, which can harm the environment if discharged without treatment. This stage may also include disinfection using chlorine, ultraviolet light, or ozone to kill harmful pathogens.

6. Sludge Treatment: The solid waste (sludge) generated during the treatment process undergoes further processing using methods such as anaerobic digestion, compaction, and dewatering. This sludge may be incinerated, used as fertilizer, or disposed of in landfills.

7. Disposal: Treated water (wastewater) is discharged into rivers or lakes, or reused for purposes such as irrigation or industrial processes.

Given the complex nature of wastewater treatment and purification, Andijan State Technical Institute annually enters into contracts with specialized organizations dedicated exclusively to this activity. For example, in 2025, an agreement was signed with unitary specialized organizations.

Each building of Andijan State Technical Institute has a separate sewerage system for wastewater and clean water (rainwater). As a result, rainwater is collected from the roofs of buildings and discharged into nearby ponds and canals surrounding the structures.

Furthermore, the university has buildings where all rainwater is collected and used for watering indoor plants and flushing toilets. Andijan State Technical Institute adheres to a policy of preventing and reducing pollution of rivers and canals of all types, especially from land-based activities. For example, the institute maintains an urban forest in the new city, which is built in the suburban area known as Andijan City.

According to Cabinet of Ministers Resolution No. 981 of December 11, 2019

The year defines the procedure for establishing water protection and sanitary protection zones for water bodies in the Republic of Uzbekistan, as well as the procedures for conducting economic activities within them. It also establishes operating procedures to prevent pollution of territories, water shortages, the efficient use of water bodies, and the rational use of water resources. The regulation also addresses waste management containing hazardous and toxic substances. Furthermore, the rector of the Andijan State Technical Institute provides several measures to support the prevention of water system pollution, such as:

Waste management containing hazardous and toxic materials has also been improved. For example, the rector of the Andijan State Technical Institute is proposing several policy measures to support the reduction of water pollution.

Students from the Andijan State Technical Institute launched a volunteer initiative to clean up our city. The "Eco-Volunteers Among Students" movement was created at the local community level.

As part of the movement, 28 students and young people, as well as seven young teacher volunteers, distinguished by social activism, initiative, and leadership potential, were selected, and their activities were organized on this basis. A graphic plan for creating a "green zone," tree planting, site cleanups, eco-marathons, and eco-festivals was developed and approved. In accordance with the plan, student volunteers from the Andijan State Technical Institute held the "Zero Waste Day" environmental campaign on June 26, 2025. As part of the campaign, student volunteers carried out an environmental campaign by collecting trash, jogging—running or walking—through the Bogi Babur Cultural and Recreational Park.

The students contributed to maintaining a clean environment by collecting plastic and other waste, as well as engaging in physical activity on the streets, in public spaces, and in green areas around the institute.



On the specified dates, a plogging campaign was held in six districts where the Andijan State Technical Institute buildings are located, as well as in neighborhoods and cemeteries where the institute is located, under the slogan "We will transform the neighborhood into a garbage-free zone." During the campaign, the streets of the neighborhood were cleared of trash, and trees and seedlings were watered. Informational materials were also prepared on maintaining the neighborhood and streets clean, on the inadmissibility of littering, and outreach activities were conducted among the public and students.





This practice not only contributed to the improvement of the area but also instilled in the youth a love of nature, environmental awareness, and a sense of responsibility. The student initiative also received support from the institute's team, and the improvement process was organized in a spirit of enthusiasm, imbued with patriotism and a sense of community. https://t.me/Andmi_yoshlari_ovozi/22185

The paper and plastic reduction program at Andijan State Technical Institute's four campuses was implemented as a systemic activity in five areas:

- Awareness and Education Campaign. Andijan State Technical Institute has intensified and continued its awareness and education campaign, especially since the institute began participating in the Green Metrics global ranking.
- Workshops and Seminars: The institute organizes workshops and seminars for students, staff, and faculty to educate them about the environmental impact of paper and plastic use.
- Posters and Information Signs: Signs and posters are placed at the entrance foyers of faculty buildings throughout campuses promoting paperless practices and reducing plastic use.
- Social Media Campaign: Social media, newsletters, and the campus website are used to disseminate tips and information about the benefits of reducing paper and plastic use. The institute makes extensive use of dedicated Telegram groups and chats for these purposes. For example, official Telegram groups include "Matbuot va muloqot" (with 205 members) and "Andijon davlat texnika instituti/Rasmiy kanali" (with 5,542 subscribers) <https://t.me/andtexnika> (with 5,542 subscribers).
- Research activities: dissertations on waste reduction and recycling, reducing pollution of natural resources, etc.

For example, events on the economical use of natural resources and sanitation were regularly held, which were covered in the institute's official Telegram channels. Photo reports from the coverage of such events in Telegram channels are provided below.



Waste reduction and recycling are receiving significant attention in scientific research, given their importance and relevance to humanity.

Table 6.1.

LIST OF RESEARCH PROJECTS AIMED AT WASTE REDUCTION AND RECYCLING

T.p.	Research Topic	Specialty	Last name, first and patronymic of the doctoral student	Academic supervisor
1	Portland Cement Clinker Production Using Slag from Induction Furnaces of Foundries	Materials Science in Mechanical Engineering. Foundry Production. Heat and Press Treatment of Metals. Metallurgy of Ferrous, Non-Ferrous, and Rare Metals.	Otakoziyev Akramjon Adaxamjonovich	Orazimbetova Gulistan Jaksilikovna

2	Graphite Ore Beneficiation and Slag and Silicate Material Processing Technology at the Taskazgan Mine	Technology of Inorganic Substances and Materials Based on Them	Tursunov Azamjon Salimjon ogli	Turdialiyev Umid Muxtaraliyevich
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Particular attention is paid to promoting improved water resource use in agriculture. Young scientists are conducting research activities aimed at ensuring the efficient use of water resources in agriculture. The table below lists research projects—doctoral dissertations for the PhD degree.

Table No. 6.2.

LIST OF RESEARCH PROJECTS AIMED AT IMPROVING WATER RESOURCE USE

T.p.	Research Topic	Specialty	Last name, first name, and patronymic of the doctoral student	academic supervisor
1	Improving hydraulic parameters when machining small-diameter surfaces in water pipes using mandrels	Fluid and Gas Mechanics	Oqyolova Nigora Inobidin kizi	Ermatov Kobuljon Muminovich
2	Improving intelligent sensors for measuring soil moisture	Automation and Control of Technological Processes and Production	Yangiboyeva Raxbaroy Mashrabboy kizi	Sodikjanov Jaxongirbek SHuxratbek ogli
3	Increasing the reliability of water pumps through real-time monitoring and emergency prediction using artificial neural networks	Electrical Engineering. Power Plants, Electrical Systems. Electrical Systems and Devices	Yoldashev SHukurullo Nematjon-ogli	Uzbekov Mirsoli Odiljanovich
4	Developing an intelligent system and mechanism for the water purification process	Technological Machines. Robots, Mechatronics, and Robotic Systems.	Mannobjonov Boburbek Zokirjon ogli	Ismailov Mirxalil Agzamovich

At the Andijan State Technical Institute, special attention is paid to inorganic waste management as part of its program to achieve the Sustainable Development Goals. Inorganic waste management encompasses the recycling and disposal of materials that are not biodegradable and do not originate from living organisms. At the institute, this includes metals, glass, plastics, wood, and other materials that cannot be broken down by natural processes.

The institute implements the following inorganic waste management activities:

- Collection and separate storage of inorganic waste for further use through recycling.
- Contracts with specialized organizations that collect metals for further processing. This primarily concerns metals commonly referred to as frequently recycled inorganic materials, such as aluminum and steel.
- Separate collection of certain types of plastics. Plastic bottles collected at specialized locations are usually donated to low-income families, who then take them to designated collection points and sell them. This also contributes to reducing individual poverty.

Efficiency and benefits of the implemented activities:

1. Separate waste collection reduces pollution: improved sanitation and hygiene on campuses, elimination of unpleasant odors from waste, and preservation of oxygen.
2. Reimbursement of a certain portion of the need for raw materials.



1. Affordable and Clean Energy for All

The primary objective of the "Affordable and Clean Energy" goal is to ensure access by everyone to affordable, reliable, sustainable, and modern energy sources to eradicate energy poverty and support the development of clean technologies.

To achieve this goal, the Andijan State Technical Institute, as part of the global community, has set the following objectives:

- Ensuring a reliable energy supply for the institute, as well as for all households of the institute's employees.
- Significantly increasing the share of renewable energy sources in the institute's energy balance.
- Improving energy efficiency to reduce environmental impacts and optimize costs.
- Expanding clean energy research and attracting investment in infrastructure development.

The Andijan State Technical Institute has developed a "green office" policy with the goal of creating a society with a favorable environment for well-being and a model office in the field of environmental management. In this regard, as described in previous reports, the institute issued an "Announcement of Andijan State Technical Institute" on energy conservation measures. This announcement covers measures to conserve electricity, water, fuel oil, and office supplies, including measures for organizing meetings and exhibitions, ensuring cleanliness in accordance with "5S" principles, waste management measures, green procurement and maintenance measures, security and emergency response measures, and the creation of green spaces. These measures are expected to effectively monitor energy consumption in the institute's offices, ensuring systematic energy management and maximum benefits.

In accordance with this initiative, in 2024 and 2025, faculty members of Andijan State Technical Institute, together with the Andijan regional administration, the prosecutor's office, and regional power grid staff, conducted studies of high-power enterprises, pumping stations, and the power grid in Andijan region. The study examined the identified deficiencies and causes of energy losses and proposed scientific solutions.

Teachers from Andijan State Technical Institute developed and implemented an online monitoring device for a transformer substation. The online device notifies the engineer on duty about any negative events at the transformer substation, preventing energy loss and damage to transformers.



One of the energy-saving measures was a campaign to install solar panels in the homes of institute employees. All employees of the institute, both academic and non-academic, took this matter very seriously.

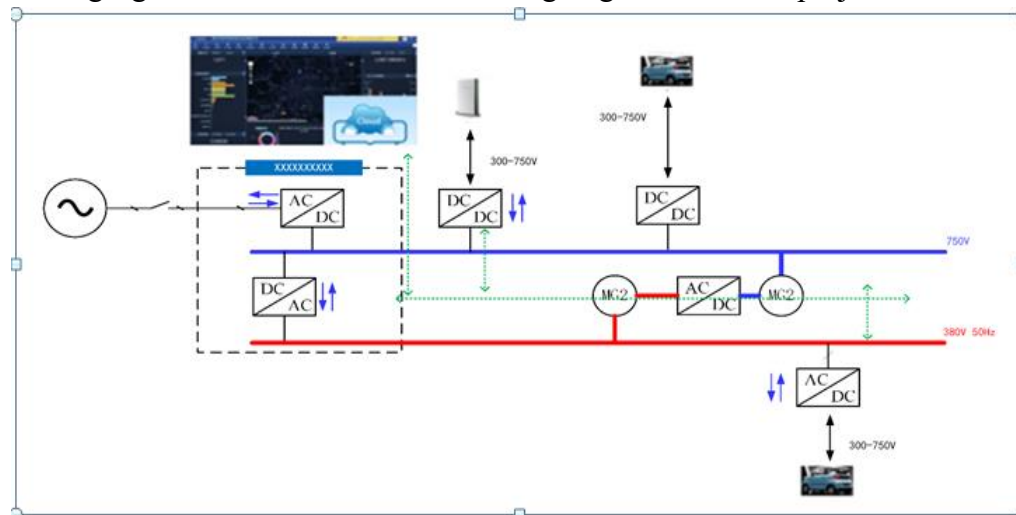
At least two standard-sized solar panels were installed in each home.



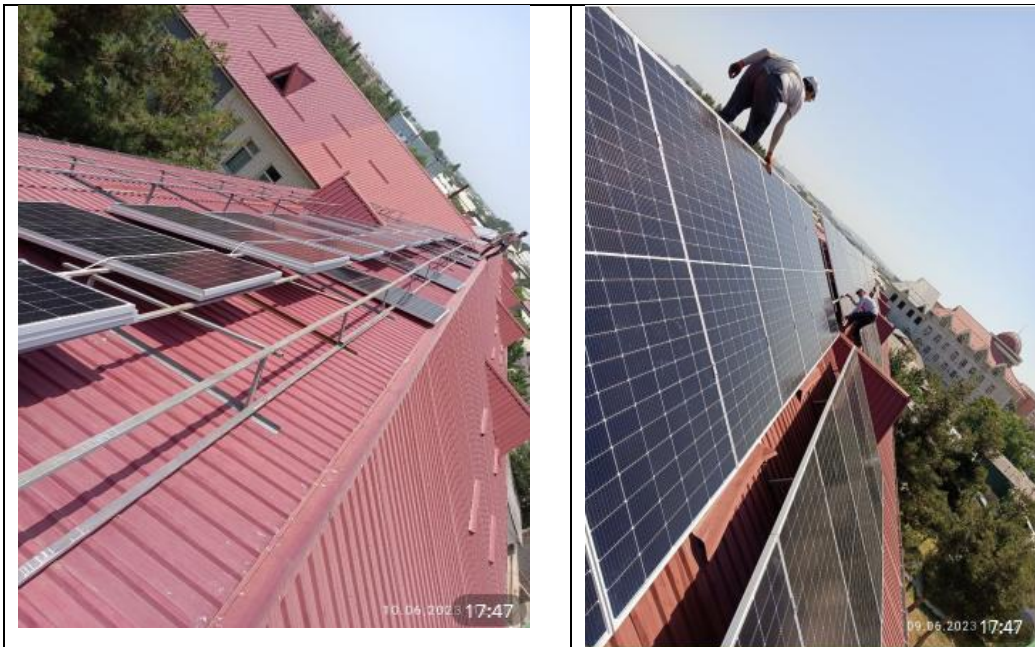
Another area of the institute's activities in this area is international cooperation in the field of research on alternative energy sources. Thus, in cooperation with the Andijan State Technical Institute and North China University, scientific projects are being carried out to optimize the power supply system using

renewable energy sources. The goal of the project is to prevent the waste of energy resources and, consequently, reduce the amount of hazardous gases released into the atmosphere.

The following figure shows a flowchart of an ongoing collaborative project.



The Andijan State Technical Institute places particular emphasis on the practical use of renewable energy sources. What makes this project unique is that the solar panels were installed by students in the Electrical Engineering program.





The installation of alternative energy sources covered all five of the institute's campuses.

For energy conservation, the exterior walls were clad with basalt slabs. Cladding exterior walls with basalt slabs is a highly effective energy-saving solution. Thanks to the low thermal conductivity of basalt fiber and a density of 90 to 150 kg/m³, these slabs retain heat as well as a brick wall over 1 meter thick. The following advantages of this material were also taken into account:

- Fire safety: Basalt is a non-combustible material that can withstand temperatures up to +1100°C.
- Vapor permeability (the walls "breathe"): Prevents moisture accumulation, protecting the façade from dampness and mold.
- Durability: The service life of high-quality basalt insulation exceeds 50 years.

To prevent moisture absorption, the insulation was covered with a reinforcing mesh and façade plaster.



The objectives set for this sustainable development goal are also reflected in research projects. Research in this area is being conducted in two areas: alternative energy sources and energy conservation. Particular attention is being paid to improving the efficiency of the equipment and technology used.

Table No. 7.1.

LIST OF RESEARCH WORKS ON ALTERNATIVE ENERGY SOURCES AND ENERGY SAVING

№	Research topic	Specialty	Last name, first name, and patronymic of the doctoral student	Academic supervisor

1	Research with a method of comparing small photovoltaic stations connected to the grid and autonomous	Energy installations based on renewable energy sources	TOPVOLDIYEV NODIRBEK ABDULHAMID O'G'LI	ALIYEV SUXROB RAYIMJONOV ICH
2	Optimization of solar panel operation in synchronization with the sun	Technological machines. Robots, mechatronics and robotic systems	KIMSANBOYEV NODIRBEK SHOIRBEK O'G'LI	ZAYNIDINOV XAKIMJON NASIRIDINOV ICH
3	Reducing the amount of toxic gases emitted by vehicles in the conditions of Uzbekistan	Ecology	KOZIBOLAYEVA DILNOZA TOXTASINOVNA	XUDOYAROV ANVAR NAZIRJONOV ICH
4	Optimization of solar panels' synchronous operation with the sun	Technological machines. Robots, mechatronics and robotic systems	OQILOV AZIZBEK KOZIMJON O'G'LI	SABIROV ULUGBEK KUCHKAROV ICH
5	Research on a model of reactive power control of a special-load power supply system based on IoT technology	Automation and control of technological processes and production	ALIBEKOVA MOXIDA ASHURALI KIZI	YUSUPOV AZAMAT ALIJONOVIC H
6	Development of models, methods and algorithms for intelligent control of street lighting systems	Automation and control of technological processes and production	MURATOVA ZULFIZAR AXMADJONOVNA	UMURZAKOV A XALIMAXON XABIBULLAY EVNA
7	Development of interactive methods for teaching topics related to the physics of solar photovoltaic stations and semiconductors	Theory and methodology of education and training (by field)	NAZIRJONOVA SHOXNOZAXON SOBIROVNA	KASIMAXUN OVA ANARXAN MAMASADIK OVNA
8	Increasing the efficiency of energy production based on automatic control of the operating mode of a micro-hydroelectric power plant	Electrical engineering. Electric power plants, systems. Electrotechnical complexes and devices	ARZIKULOV XUSNIDIN MURODJON UGLI	QODIROV DILSHOD BOTIROVICH
9	Monitoring variables of the quality indicators of solar panel energy systems	Electrical engineering. Electric power plants, systems. Electrotechnical complexes and devices	YULDASHEV BO'STONBEK RAVSHANBEK O'G'LI	SIDDIKOV ILXOMJON XAKIMOVICH
10	The effect of cosmic radiation by a stream of alpha particles on solar panels based on crystalline silicon	Energy installations based on renewable energy sources	Исломов Дониёрбек Давронбекович	Алижанов Донёрбек Дилшодович

The Faculty of Civil Engineering and Electrical Power Engineering at Andijan State Technical Institute is working to establish a laboratory called "Energy Storage" in collaboration with North China University of Technology. The partner university delivered, installed, and commissioned a modern static reactive power

generator (SRG) in the laboratory. This device has enabled scientific and practical research on improving power quality, compensating for reactive power, ensuring voltage stability, and increasing energy efficiency. Joint scientific research, experimental work, and scientific seminars were organized with the participation of professors, faculty, and researchers from both universities. The laboratory will conduct scientific research in the field of energy storage systems, renewable energy sources, and microgrids, as well as provide modern practical training for master's, doctoral, and undergraduate students. This collaboration is of great importance for enhancing the university's international scientific potential, implementing innovative technologies, and training highly qualified specialists in the energy sector.



In addition, systematic training was conducted to enhance the qualifications of professors, instructors, and specialists to organize and conduct energy audits in accordance with the institute's current requirements. Specifically, 24 professors and instructors received relevant energy audit certifications.



This further strengthened the institute's capabilities to conduct scientifically based energy audits, assess energy efficiency, and implement energy-saving technologies. Furthermore, the institute financed the acquisition of modern measuring and diagnostic equipment to ensure high quality and accuracy of energy audits.



These devices measure power quality, voltage, current, power, temperature, illumination, heat loss, and other energy indicators. As a result, the institute has created the necessary resources to conduct regular energy audits in academic buildings and laboratories, conduct scientific and practical research on improving energy efficiency, and provide students with practical skills.

8 DECENT WORK AND ECONOMIC GROWTH

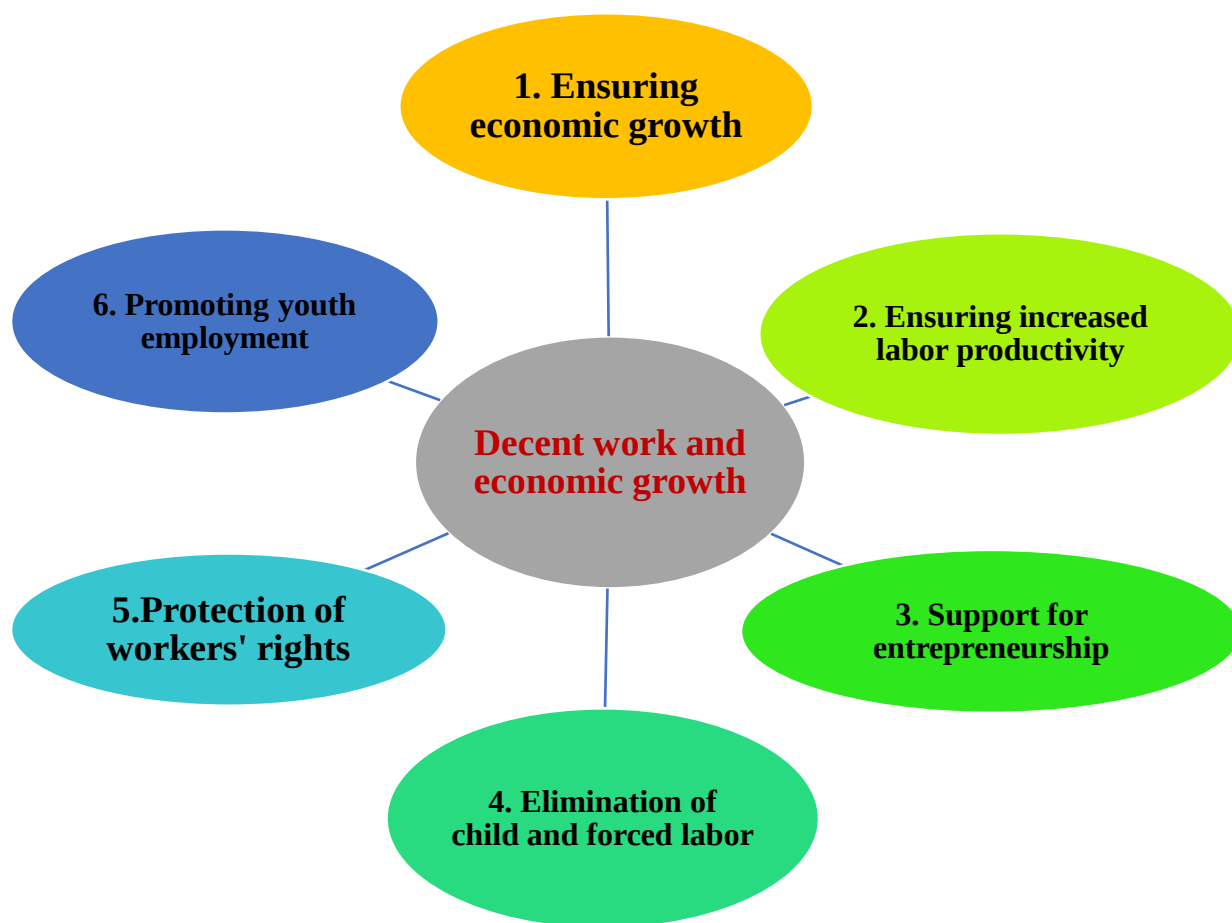



Promote sustained, inclusive and sustainable economic growth, full and productive employment and decent work for all

SUSTAINABLE DEVELOPMENT GOALS

8. Decent Work and Economic Growth

Participation in the international UI GreenMetric ranking helped us further develop our objectives for ensuring decent work and economic growth. Andijan State Technical Institute is working in accordance with these objectives, which are presented in the following diagram.



It is known that by the end of 2025, Uzbekistan's GDP grew by 7.7%, reaching 1,849.7 trillion soums. In dollar terms, the economy exceeded \$147 billion.

The Andijan State Technical Institute, as an educational and research institution, also contributed to this result:

Firstly, through research activities on relevant topics dedicated to comprehensive economic growth.

Secondly, through participation in regional socio-economic growth projects.

For example, the table below lists the research topics of the institute's doctoral students that are directly devoted to economic growth issues.

LIST OF RESEARCH TOPICS ON ECONOMIC GROWTH

№	Фамилия, имя и отчество докторанта	Специальность	Тема исследовательской деятельности	Научно-научный руководитель
1	MANSUROV ILXOMJON ISLOMJON O'G'LI	Wheeled and tracked vehicles and their use	The influence of road-climatic regions on the operation of passenger cars in the conditions of Uzbekistan (by lubrication system)	MADRAXIMOV DILSHODBEK USUPJONOVICH
2	EGAMBERDIYEVA BARNAXON GULAMJONOVNA	Econometrics and statistics	“Ways to increase the efficiency of the economic potential of small business and private entrepreneurship (on the example of Andijan region)”	JO'RAXONOV MUZAFFAR ESKANDAROVICH

3	DJALILOVA SHAXLO ISMOILJON QIZI	Macroeconomics	Mechanisms for financing ways to reduce poverty in Uzbekistan	MUFTAYDINOV KIYOMIDIN XXX
4	MALLABOYEV ANVARJON SOTVOLDIYEVICH	Macroeconomics	Improving industrialization strategies in the context of economic liberalization	ALLAYAROV SHAMSIDDIN AMANULLAYE VICH
5	JAMOLDINOV SAYDILLO XASANOVICH	Information systems and technologies in economics	Improving the management of information products	BOLTABAYEV MAXMUDJON RUSTAMOVICH
6	ALIXONOV MIRZOULUG‘BEK PAXLAVONJON O‘G‘LI	Macroeconomics	Ways to increase the export of services in the economy of Uzbekistan	ISRAILOVA DILFUZAXON KARIMOVNA
7	ABDULLAYEV BAXODIR ABDUGAFFOROVICH	Finance, money circulation and credit	Prospects for applying systematic analysis methods in financing innovation activities	ABDULLAYEV ABDUJABBOR XXX
8	KAMOLDINOVA NARGIZA ANVAROVNA	Entrepreneurship and small business economics	Improving the economic mechanism of women's entrepreneurship through the development of its activities	ISRAILOVA DILFUZAXON KARIMOVNA
9	QOSIMOV SARDOR DILMURODOVICH	Information systems and technologies in economics	“Ways for effective use of infrastructure potential in the development of small business and private entrepreneurship” (on the example of Andijan region)	ERMATOV AKMALJON ADXAMOVICH
10	MALLABOYEV ANVARJON SOTVOLDIYEVICH	Finance, money circulation and credit	Improving the methodology of fiscal policy in increasing the competitiveness of the national economy	ALLAYAROV SHAMSIDDIN AMANULLAYE VICH
11	MAMAJONOV FAYZULLO ZAFARJON O‘G‘LI	Management	Developing human resource management through information technologies	DADAJANOVA MARTABAXON MAXMUDOVNA
12	OLCHINBOYEV OTABEK ABDUSAMAD O‘G‘LI	Macroeconomics	Ways to increase the efficiency of using foreign investments	MUXTAROV MAXMUDJON MARIFOVICH

As described in previous reports, Andijan State Technical Institute was approved in 2023 to participate in a comprehensive socio-economic modernization project for districts and the Andijan region, with the goal of economic recovery and the development of new professions in local communities.

The project encompasses four aspects:

Aspect 1: Developing honest sources of income and creating jobs

Aspect 2: Creating and developing a creative economy

Aspect 3: Applying knowledge to public health

Aspect 4: Protecting the environment and developing a circular economy tailored to the specifics of the region.

This project was implemented in collaboration with faculty and researchers from various departments to apply their knowledge, experience, and expertise in targeted areas, including product development, standardization, product processing, marketing development, and the creation of platforms for future use. Furthermore, Andijan State Technical Institute developed policies and guidelines to support and continue local development, which requires knowledge for the ongoing implementation of projects. Essentially, the focus is on creating a learning process for local residents to continue their work, and internal budgetary allocations are allocated to support such activities to achieve the project's goals and objectives.

The departments of automotive engineering, mechanical engineering, economics, and other departments annually organize an "Online Job Fair" on an online platform via Facebook Live. Various events, such as a seminar on "Applying Knowledge about Work and Life After Graduation," introductions to manufacturing plants, commercial institutions, job openings, and co-op training/internship programs from leading companies, as well as interview guides, are conducted via Zoom to promote employment opportunities among students and provide information on labor markets suitable for their professional disciplines. At the institute, similar meetings are held annually by the UzAUTO Motors plant, UzTONG Hong, Hamkorbank JSCB, the finance department, and other organizations.

Every year, the institute's management provides practical assistance to unemployed individuals on special lists, as well as to young people in finding employment. The main types of assistance provided are as follows:

- 1) placement in vacant positions at relevant organizations in the Andijan region;
- 2) provision of necessary technical equipment, such as a sewing machine, oven, various machines, and tools;
- 3) provision of material resources, such as cotton and other fabrics;
- 4) assistance in enrolling in German, English, and information technology courses;
- 5) free language and information technology training at institutes;
- 6) assistance in obtaining a preferential loan for starting a business, i.e., private enterprise;
- 7) psychological support and consultation for those in need.





The dynamics of support provided to the population in need of assistance, including youth, are characterized by the following data:

year	Number of areas of support provided	Number of people who received support for the purpose of organizing entrepreneurship
2023	5	74
2024	6	96
2025	7	121

Work is also underway to ensure decent employment for the institute's graduates, with meetings, fairs, and discussions with representatives of various organizations being organized.

9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE




Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation

**SUSTAINABLE
DEVELOPMENT
GOALS**

Andijan State Technical Institute is located in the industrial city of Andijan. The institute has five campuses located in the city's central districts. Each campus has modern infrastructure, including roads, information and communications technology, sanitation, electricity, and water supply.

Four of the institute's campuses are located on Babur Avenue, and one campus is on Navoi Avenue.

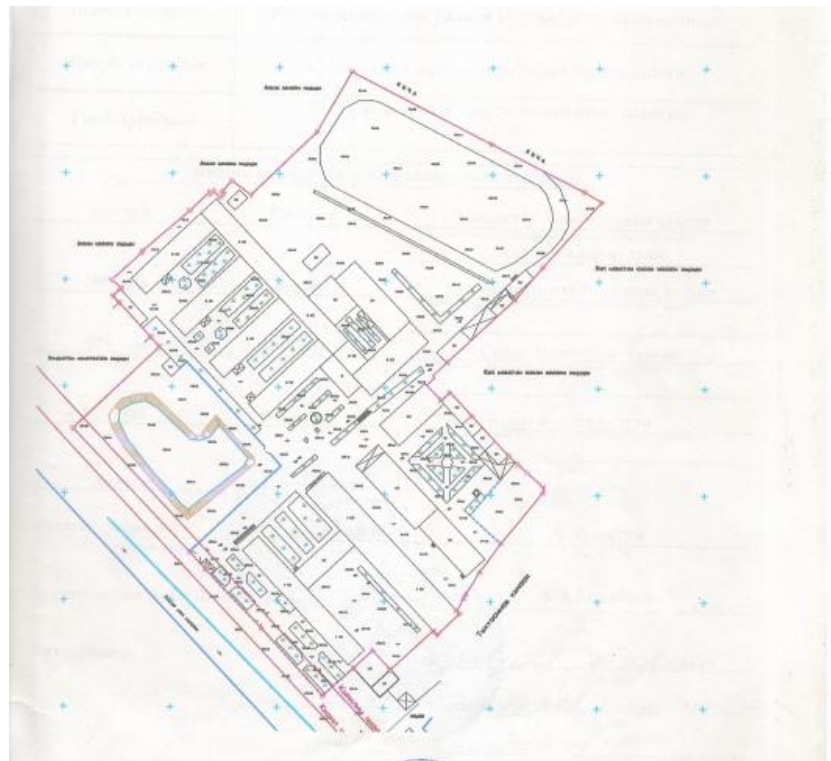




MAIN CAMPUS

The main campus of Andijan State Technical Institute is located at 56 Babur Avenue, Andijan. The main campus was commissioned in 1976. Its total area is 39,343.42 m². Including по документам кадастра:

- Buildings, facilities, and other area in use: 24,489.95 m²;
- Flower area, gardens, parks, and landscaped areas: 2,983.47 m²;
- Asphalt and concrete surfaces: 11,870.0 m².



The main campus consists of five buildings separated from each other.. Building 1st is an academic building with four floors. Building 2nd is the academic building. It has four three-floors blocks and one three-floors block. Building 3th is students dormitory, which have four floors. Building 4th houses the Information and Resource Center and the student cafeteria. Building 5th is a single- floor building and is considered the administrative building.

Information about the main campus area

	Name of the building	Number of floors	Area, sq.m.
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	1-educational building	4-floors	3412
	2- educational building	2-3- floors	7680
	3-building Students dormitory	4- floors	4050
	Building 4: Information and Resource Center	1- floor	794
	5-administrative building	1- floor	312
	Total		16248

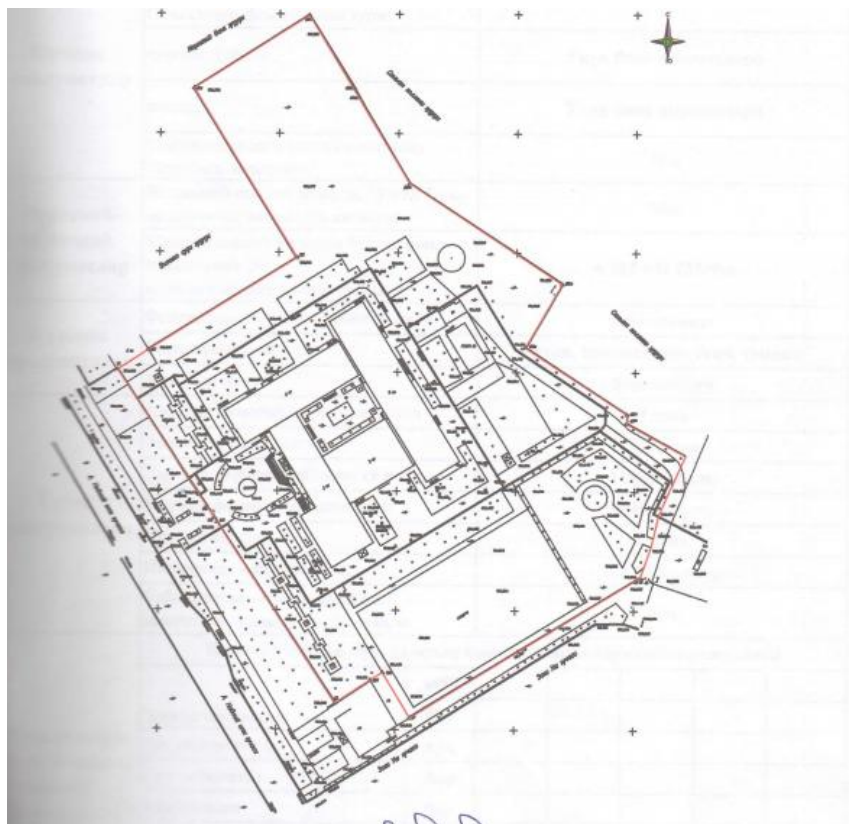
Faculty of Intelligent control and computer systems are studies in the 1st Building. This faculty also includes the Departments of Information Technology and Automation of Mechanical Engineering Production. The number of full-time students is – people ...

The second building houses the Faculty of Engineering Economics and Management. The Departments of Economics and Accounting and Management operate here. The number of full-time students is – people 1300.

Classrooms are equipped with interactive panels, smart TVs, and computer technology. There are also laboratory rooms equipped with the necessary lab equipment.

NAVOI CAMPUS

The Navoi campus of Andijan State Technical Institute is located at 15/a Navoi Avenue, Andijan. Its total area is 34839.19 m².



There is only one building on the Navoi campus.

Information about the Navoi campus area

	Name of the building	Number of floors	Area, sq.m.
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	1-educational building	3-floors	9935,5
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The Navoi campus houses two faculties: Electrical and Electrotechnical Engineering, Civil Engineering and Architecture. The Faculty of Electrical and Electrotechnical Engineering comprises two departments: the Department of Electrical Engineering and the Department of Alternative Energy Sources. The Faculty of Civil Engineering and Architecture comprises two departments: Architecture and Hydraulic Engineering, Civil Engineering.

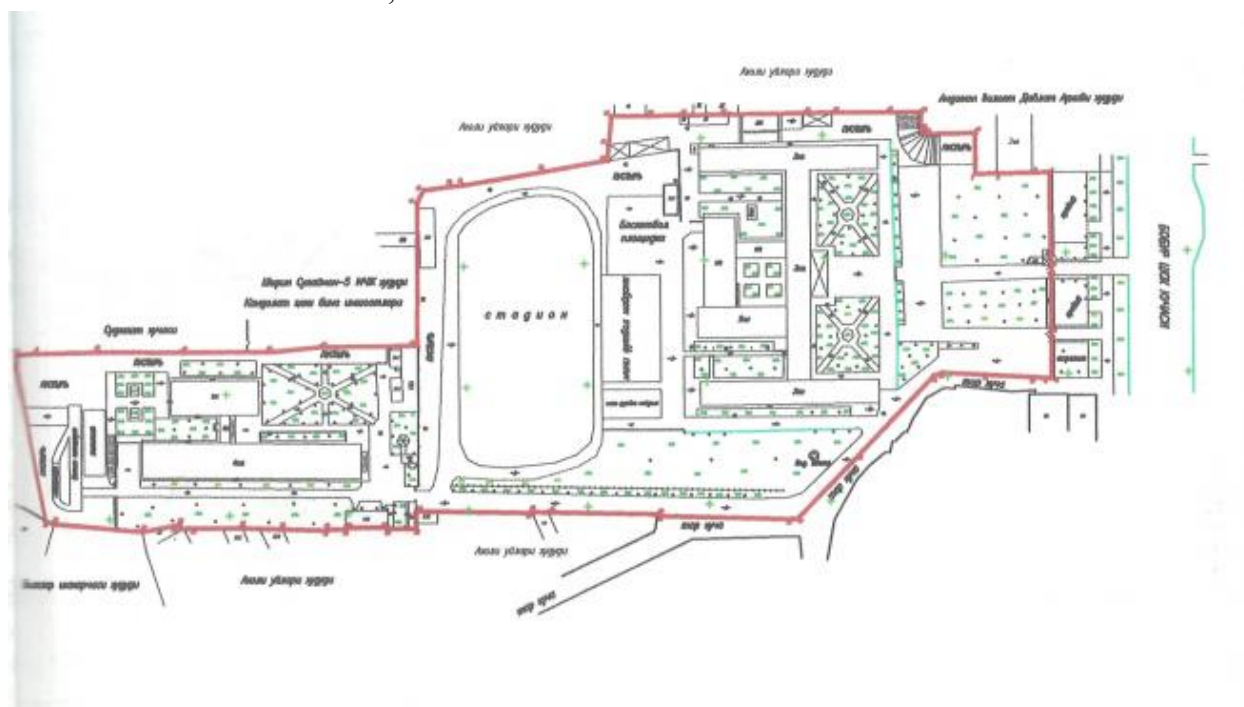
The number of full-time students is – people ...

Classrooms are equipped with interactive panels, smart TVs, and computer technology. There are also laboratory rooms equipped with the necessary lab equipment.

AUTOMOTIVE ENGINEERING CAMPUS

The Automotive Engineering Campus of Andijan State Technical Institute is located at 39 Babur Avenue, Andijan. The main campus was commissioned in 1992. Its total area is 47923.56 m². Including no документам кадастра:

- Buildings, facilities, and other area in use: 20438.49 m²;
- Flower area, gardens, parks, and landscaped areas: 12,441.64 m²;
- Asphalt and concrete surfaces: 15,043.43 m².



The Automotive Engineering Campus consists of three buildings separated from each other. Building 1st is an academic building with three floors. The second building is an educational and laboratory building. The second building consists of three floors. The lower part of the building houses an auto repair shop. The shop serves the public, offering paid repair services for various types and brands of vehicles. Building 3th is students dormitory, which have four floors.

Information about the Automotive Engineering Campus area

	Name of the building	Number of floors	Area, sq.m.
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	1-educational building	3-floors	8066,9
	2- educational and laboratory building	3- floors	1487
	3-building Students dormitory	4- floors	5326,71
	Total		14880,61

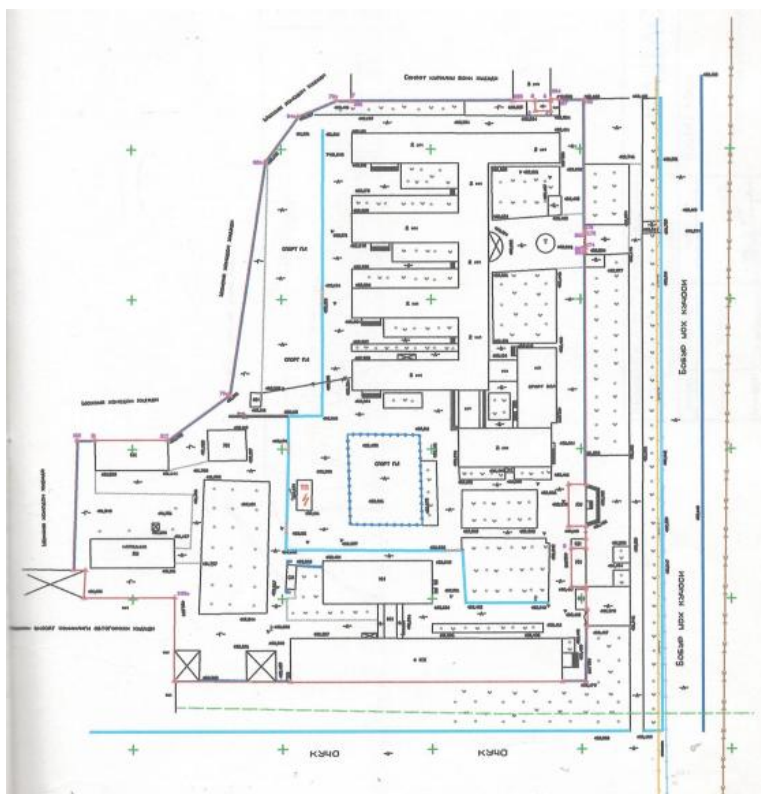
Faculty of Faculty of Automotive Engineering and Transport are studies in the 1st Building. This faculty also includes the Departments of Automotive Engineering and Transport, Department of General Engineering Sciences and Department of Transport Logistics. The number of full-time students is – people ...

Classrooms are equipped with interactive panels, smart TVs, and computer technology. There are also laboratory rooms equipped with the necessary lab equipment.

The second academic and laboratory building houses the Auto Service Center. In the organizational chart, the Auto Service Center is listed as UNIVERPRO LLC.

AUTOMOTIVE ENGINEERING CAMPUS

The Campus of the Technological Faculties of Andijan State Technical Institute is located at 32 Babur Avenue, Andijan. The main campus was commissioned in 1979. Its total area is 18785,44 m².



The technology campus consists of two separate buildings. The campus also includes specialized facilities. Building 1st is an academic building with three floors. The second building is students dormitory, which have four floors. There are cafeterias in the first and second buildings of the campus.

Information about the Automotive Engineering Campus area

	Name of the building	Number of floors	Area, sq.m.
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	1-educational building	3-floors	5717,1
	3-building Students dormitory	4- floors	5726,7
	Total		11443,8

The campus of the Faculty of Technology houses two faculties: the Faculty of Mechanical Engineering and the Faculty of Light Industry and Chemical Engineering. The Faculty of Mechanical Engineering Technology includes three departments: Mechanical Engineering Technology, Technological Machines and Equipment, and Occupational Safety. The Faculty of Light Industry and Chemical Engineering also includes three departments: Chemistry and Chemical Engineering, Metrology and Light Industry, and Materials Science.

The number of full-time students is – people ...

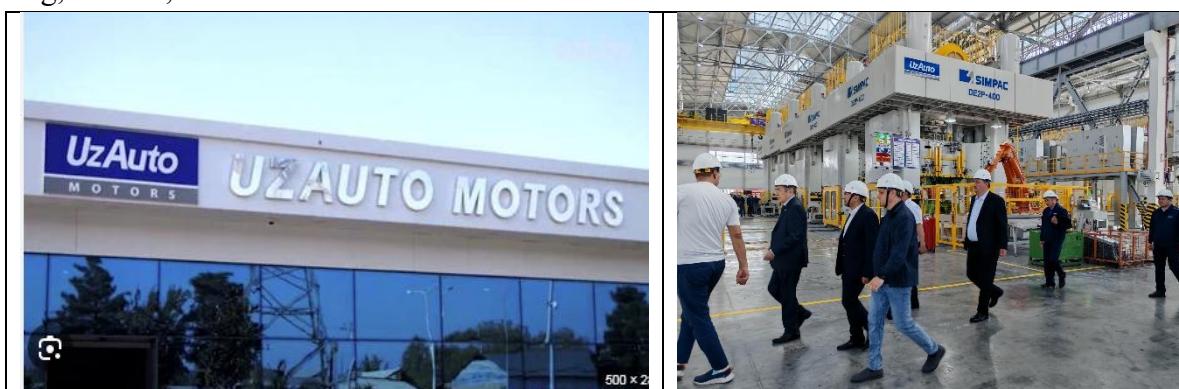
Classrooms are equipped with interactive panels, smart TVs, and computer technology. There are also laboratory rooms equipped with the necessary lab equipment.

The institute uses these four campuses to offer educational activities in 48 undergraduate programs and 28 graduate programs.

The fifth campus, located at 73 Bobur Avenue, Andijan, houses Sharda University, India, in accordance with the Decree of the President of the Republic of Uzbekistan dated April 10, 2019, "ON THE ESTABLISHMENT OF SHARDA UNIVERSITY IN UZBEKISTAN."



Andijan is a major industrial center, home to more than 100 related enterprises in the automotive industry, as well as hundreds of joint ventures with foreign companies in other industries, such as electrical engineering, textiles, and others.



To train specialists for the industry and ensure the quality of the graduated personnel, Andijan State Technical Institute cooperates with large industrial enterprises of the region.



Within the framework of cooperation, scientific research work is carried out by the institute's scientists. Scientific research projects are carried out at the expense of the innovation fund of the Ministry of Higher Education, Science and Innovation, at the expense of foreign grants, as well as according to industry orders from enterprises of the republic.

By participating in the global Green Metrics ranking, the Andijan State Technical Institute has gained extensive international experience in implementing sustainable development objectives. Based on this, we list the main issues that were included in the institute's infrastructure agenda:

- Improving the condition of the buildings themselves for convenience for students, non-academic staff, and faculty;
- Creating comfort for all users of the institute's campus infrastructure, which is crucial for the social and psychological well-being of people, especially students;
- Increasing the amount of vegetation, both trees and ornamental plants, ...;
- Increasing the area of lawns, which is crucial in the extreme heat of the valley;
- Improving buildings to retain heat in winter and protect against heat in summer;
- Implementing additional measures to address climate change, such as metering vegetation and monitoring its condition, etc. IMPROVEMENT OF THE INSTITUTE'S INFRASTRUCTURE, TAKING INTO ACCOUNT VARIOUS ASPECTS OF THIS ISSUE.

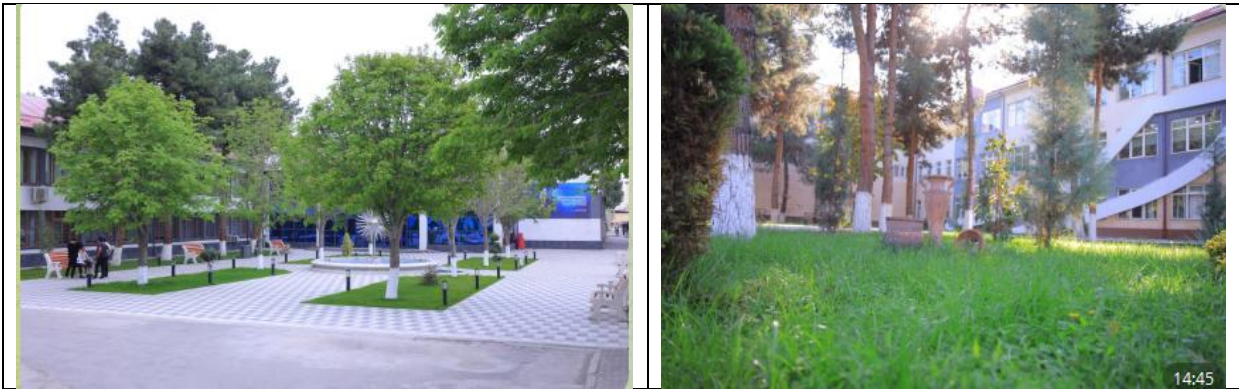
When improving the institute's infrastructure, the goal was not to improve the indicators in this area, but to improve the actual condition of the campus itself.

The main campus buildings were completely renovated during 2025. This included:

- Both the interior and exterior of the building were renovated for routine maintenance;
- During the renovation, the building walls were covered with thermal insulation material, taking into account the unusually hot summers and the unusually cold winters. It should be noted that this is the first such coating in the history of the institute;

- The paving stones at the entrances to the main building were completely replaced, taking into account the ease of walking on the paving stones, especially considering the icy conditions in winter;
- Amenities have been created for students, institute staff, and all visitors: comfortable benches have been installed in the renovated areas, and a fountain has been built to increase humidity and provide heat insulation.

One aspect of achieving this goal is increasing the amount of green space on campus. On the main campus, this issue was addressed as part of the renovation of the main campus buildings. First, the existing lawns in this area, near the fountain, were expanded. Second, various trees were planted on the expanded lawns: spruce, juniper, and other ornamental plants. The existing chestnut and pine trees were also preserved. The lawns in this area covered 28.5 square meters before the expansion. After the expansion, the total lawn area on the renovated part of the main campus is 117 square meters, almost four times the size of the previous lawn. In addition, the number of new ornamental tree saplings (on the lawns) in this same area is 12. The process of expanding the lawns and planting new ornamental tree seedlings is reflected in the following photos:



I would especially like to highlight the improvements to living conditions on the main campus. New restrooms for women and men were built. Construction was completed during the summer holidays. The following aspects were taken into account during the restroom construction:

- Separate stalls with all necessary amenities for individuals with disabilities;
- Availability of hot and cold water;
- Sufficient number of separate stalls and adequate amenities;
- Retention of heat in winter and coolness in summer;
- All sanitary and hygienic conditions;

It should be noted that the construction and renovation took into account the relevant requirements for accessibility for individuals with disabilities. Ramps were built at the entrances to the buildings and restrooms.

Behind the main building, a stadium with a grass field with a standard area of $60 \times 40 = 2,400 \text{ m}^2$ was constructed. Thus, the additional area covered by vegetation on the main campus was $117 + 2400 = 2517 \text{ m}^2$.

Campus open space, not occupied by buildings and forested areas, includes the area around the main building and other academic buildings. This primarily includes asphalt and concrete roads and playgrounds. In 2024, open campus space without vegetation occupied $11,870.0 \text{ m}^2$, which was more than 30%.

(11,870.0 / 39,343.42 m²). Taking into account the expansion of lawns and the construction of two stadiums with lawns, the area covered by vegetation has expanded. The old area was: Flower area, gardens, parks, and landscaped areas: 2,983.47 m²; After the expansion, Flower area, gardens, parks, and landscaped areas: 5500.47 m².

The open space, including the paved and concreted portions, has decreased, while the area covered by vegetation has increased. The paved and concreted portion is $11,870 - 2,517 = 9,253$ m², while the gardens and open green area amount to 5,500.47 m².

Therefore, the area including buildings is 24,489.95 m². Open space is 14,853.47 m². The ratio is 37.75%.

The most important news is the construction of a new 10-story building, intended for administration and student housing adjacent to the main campus. The project incorporates sustainable environmental management, eco-friendly processes, and modern mechanisms and techniques for modularity, functionality, adaptability, variability, and much more.

Andijan State Technical Institute boasts a diverse campus landscape that promotes water absorption and efficient rainwater management. In addition to existing forested areas and planted vegetation, the campus includes permeable paths, lawns, and natural drainage systems that promote groundwater recharge. These areas are strategically designed to collect and retain rainwater, reduce runoff, and support local ecosystems. By integrating green infrastructure, the campus not only improves water management but also enhances the aesthetic appeal and environmental quality of the institute.

The infrastructure of the Andijan State Technical Institute is designed to provide amenities for visitors. Facilities for People with Disabilities

Accessible Entrances: All main entrances are wheelchair accessible and equipped with ramps and automatic doors.

Elevators: All buildings are equipped with accessible elevators to facilitate movement between floors.

Restrooms: Accessible restrooms are located throughout the campus, designed for ease of use.

Assistive Technology: Access to assistive devices and technology is available in classrooms and computer labs.

Assigned Parking: Accessible parking spaces are located near the building entrances.

Another advantage of the Andijan State Technical Institute is that the Andijan Region Technopark is located on its second campus.



The Institute, together with the Technopark, is implementing activities to deploy knowledge about technology and university infrastructure for the maximum benefit of individuals, communities, and society as a whole through five programs called "Power to Strengthen and Transition to a New Normal." These five programs are being implemented to model this mechanism in collaboration with other mechanisms to create people and leaders of a new era, create jobs, generate income and solutions in all areas, and foster socioeconomic development to ensure the sustainability of local development.

SDG 9 also addresses innovation, which is a focus of the Institute's work with youth.

The Institute regularly hosts competitions, quizzes, fairs, and Olympiads to stimulate innovation and innovative ideas, as well as projects developed by young people. For example, in honor of Youth Day, the Faculty of Civil Engineering and Electrical Power Engineering at Andijan State Technical Institute organized presentations of innovative startup projects developed by students and young people. Rector Umid Turdialiev participated, and participants were able to learn about their creative projects in detail. During the event, students showcased their projects based on modern technologies, energy-saving solutions, innovative developments in the construction industry, and promising ideas in the electric power industry. Each project attracted particular attention for its relevance, practical significance, and future effectiveness.

The presentations also praised the scientific and creative potential, initiative, and modern thinking of young people, focusing on supporting them, developing a startup ecosystem, and implementing innovative ideas in practice.

This event played a significant role in unlocking the knowledge and potential of young people, broadly engaging them in science and technology, and inspiring them to work on new projects.

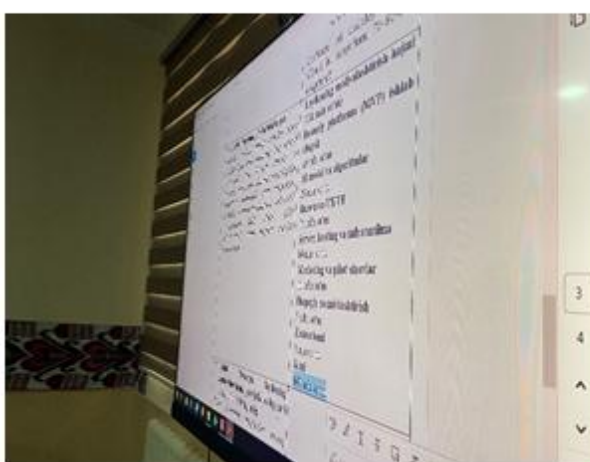


The first stage of the "Best Innovative Idea" startup project competition took place on February 5, 2026. Forty-seven applications from undergraduate and graduate students were submitted to the Institute's Department of Research and Development for Talented Students. Specifically,

1. Faculty of Automotive Engineering and Transport - 6
2. Faculty of Intelligent Control and Computer Systems - 10
3. Faculty of Economics and Management - 4
4. Faculty of Mechanical Engineering and Chemical Engineering - 4
5. Faculty of Civil Engineering and Architecture - 18
6. Faculty of Graduate Studies - 5

Following the results of the first stage of the competition, 17 projects were selected for the second stage—the pitching stage.





Hundreds of such events, dedicated to the creative and innovative work of the institute's students, are held throughout the academic year. Winners are awarded, and the results of worthy projects are implemented in production and at the educational institution.



Reduce inequality within and among countries



10. Reducing inequality within and among countries

The role of Andijan State Technical Institute in this goal is to promote equality in education, the economy, and society.

Andijan State Technical Institute promotes equality in education, the economy, and society by expanding opportunities and reducing inequality in education. The university strives to support and

encourage those with specific skills to develop their existing potential. They will have the opportunity to apply their knowledge and skills in specific areas through various projects, including:

- 1) Joint Project to Expand Training in Biomedical Engineering
- 2) Higher Education Opportunities for High-Achieving Students
- 3) Scholarships for Students from Low-Income Families with Excellent Academic Performance
- 4) Scholarships for Students from Mountain Tribes
- 5) Higher Education Opportunities for Student-Athletes
- 6) Higher Education Opportunities for Socially Active Individuals

The institute has created a system of support and assistance for students, covering the main range of challenges they may face at various stages of their education. The Institute has departments and public organizations that support students in addressing their needs and participate in addressing identified issues. These organizations include the Institute's Students and Staff Trade Union Committee, the Association of Gifted Students, the Youth Union, and the Department for Work with Gifted Students within the Institute's Research Department. The Psychology Center provides assistance to students with low academic motivation and interpersonal communication difficulties.

All organizations and structures providing counseling services operate within the law on personal data protection and maintain confidentiality. The existing student support and assistance system generally ensures that students' needs and requirements are met. The Institute monitors student needs and requirements, which are used to improve the student support and assistance system, including work meetings for first-year students on the organization of the educational process and meetings with dormitory residents. The needs of students with disabilities are monitored through in-person and remote counseling. The Institute enrolls 48 students with various disabilities. Traditionally, counseling support is provided individually or in groups and is provided upon student request. On average, a social worker, supervisors, and other specialists at the social center conduct at least 700 group and individual consultations per academic year.

All categories of students studying on a state-funded basis have the opportunity to receive scholarships. A system of social scholarships has been developed for low-income students. Those who successfully complete educational programs receive an academic scholarship; those who demonstrate outstanding achievements in academics, science, athletics, creativity, and community service receive an increased state scholarship and are nominated for additional financial incentives in the form of scholarships, prizes, and grants from various public organizations and foundations. In recent years, the institute has introduced a system for organizing student participation in a competition for personal scholarships. These personal scholarships are dedicated to the rector of the institute and outstanding scientists of the republic. For example, scholarships named after Doctor of Economics, Professor T.K. Iminov, Doctor of Technical Sciences, Professor M. Khadzhinova, and other distinguished scientists of the country.

Those in dire need of financial support may be provided financial assistance. Students studying on an extra-budgetary basis and demonstrating excellent results may also be eligible for financial incentives from the institute's extra-budgetary funds.

Information about students who have received support in the last 2 years

Information about students who have received support over the past 3 years

years	Number of students who received help	Including,					
		Received simultaneous financial assistance		Provided with Rector scholarship		Rector scholarship Other types of support	
		quantity	sum	quantity	sum	quantity	sum
2023	1848	97	274 950 250	1294	10 989 540 200	457	705 964 500
2024	1921	105	303 500 400	1325	11 807 090 400	491	845 750 150
2025	2061	124	358 400 000	1391	12 902 080 317	546	949 024 085
total	5830	326	379 443 556	4010	36 439 140	1494	413 796 554

Information about the campus, as well as the housing and dormitory accommodation procedures, and dormitory rules are available on the institute's website. A financial support system has been developed for students experiencing financial difficulties, including reduced tuition and dormitory accommodation costs. Orphans and students with disabilities are entitled to additional benefits and financial payments. (Regulations on Providing Financial Aid to Students, Regulations on the Commission for Working with Orphans at ASTI).

All students can learn about the scholarship and other incentive award procedures on the university's official website or during an individual consultation. It should also be emphasized that, starting in 2019, athletes with specific athletic achievements have been accepted for training on preferential terms, using a state grant. Among them are world, Central Asian, and national champions. Qualified athletes undergo additional medical examinations before participating in competitions. Students undergo a medical examination for internships at medical organizations, the results of which are reflected in their personal medical records. The Medical Center promotes health and disease prevention, including among students with disabilities.

All students receive annual medical examinations, periodic health checkups, and vaccinations free of charge in accordance with the approved National Immunization Schedule.

To foster responsibility for their own health and develop an individual trajectory for personal development, the Institute supports student social initiatives and projects to promote a healthy lifestyle,

enhance communication skills, and improve stress resilience. Various categories of students receive support through social scholarships, including 48 students with disabilities who receive social scholarships (an additional payment of 50% of the scholarship amount is provided); 7 orphans (20 in total, 13 of whom transferred to distance learning); and 13 students with financial difficulties.

It should be emphasized that 151 students are currently enrolled in the Master's program, 71 of whom are female, meaning female students account for 47%. Thirty-seven female master's students are studying at the institute at public expense, meaning they are tuition-free.

There are 148 doctoral students enrolled in the institute's doctoral program, 36 of whom are women. Tuition for doctoral programs is free.



11. Ensure inclusive, safe, resilient, and sustainable cities and communities

To achieve Goal 11, the UN has identified a number of specific objectives related to affordable housing, safe transportation, inclusive urbanization, the protection of cultural and natural heritage, disaster mitigation, urban ecology, and the creation of green spaces.

As a higher education institution, the Andijan State Technical Institute focuses on two aspects:

- Improving the quality of education;
- Improving the effectiveness of research.

This is due to the fact that its educational programs include:

1. Architecture.
2. Civil Engineering.
3. Urban Planning and Design.
4. Organization and Management of Public Infrastructure.
5. Cadastre.
6. Transport Engineering.
7. Sustainable Transport.
8. Road Engineering.
9. Traffic Management.
10. Logistics

The training of specialists in these educational programs takes into account the need to provide people with safe and affordable housing, safe and environmentally friendly transportation, and a reduced negative impact on the air and the environment.

To improve the quality of education, scientific research has been organized on the above-mentioned issues and simultaneously to train specialists in these fields.

Thus, 20 doctoral students are conducting research on issues of construction, ecology, and improving the transportation system, the topics of which are listed in Table 11.1.

	Фамилия, имя и отчество	наименование специальности	Тему научного исследования	научный руководитель
1	MANSUROV ILXOMJON ISLOMJON O'G'LI	Wheeled and tracked vehicles and their use	Influence of road-climatic regions on the operation of passenger cars in the conditions of Uzbekistan (on the lubrication system)	MADRAXIMOV DILSHODBEK USUPJONOVICH
2	ABDUJABBAROV OYBEK ABDULLAJANOVICH	Materials science in mechanical engineering. Foundry. Thermal and pressure treatment of metals. Metallurgy of ferrous, non-ferrous and rare metals	Creation of a design of a machine for cleaning perennial weeds and non-decomposable waste from arable land	MIRZAYEV OTABEK ABDIRAXIMOVICH
3	ZULPUKAROVA GULDONAXON AKBARJON QIZI	Wheeled and tracked vehicles and their use	"Formation of multimodal transport activities in the urban passenger transport system based on a single operator management."	MIRZAYEV BAXODIR NURITDINOVICH
4	TO'YCHIEV XUSANBOY TOXIR O'G'LI	Wheeled and tracked vehicles and their use	Research of optimal urban and intercity transportation and assessment of operational properties of motor vehicles	USMONOV JASURBEK MO'MINALIYEVI CH
5	XAKIMOV MAVLONBEK SOLIJON O'G'LI	Wheeled and tracked vehicles and their use	Scientific substantiation of the regulation of technical operational indicators of urban public transport	YUSUPOV SARVARBEK SODIQOVICH
6	ESONBOYEV BEHZODBEK MURODJON O'G'LI	Wheeled and tracked vehicles and their use	Development of time standards for technical maintenance when operating electric vehicles in the conditions of Uzbekistan	INOYATXODJAY EV JAMSHID SHUXRATULLAY EVICH
7	XALIMJONOV ELMUROD XALILBEK O'G'LI	Ecology	Improvement of vehicle safety standards	BAYNAZAROV XAYRULLO RAXIMOVICH
8	QO'ZIBOLAYEVA DILNOZA TO'XTASINOVNA	Wheeled and tracked vehicles and their use	Reduction of the amount of toxic gases emitted from vehicles in the conditions of Uzbekistan.	XUDOYAROV ANVAR NAZIRJONOVICH
9	DUMAXONOV FURQATBEK SHUXRAT O'G'LI	Wheeled and tracked vehicles and their use	Research and design of services for international trucks on transit roads.	BAKIROV LUTFILLO YULDOSHALIYE VICH

10	XOMIDOV ANVARBEK AHMADJON O'G'LI	Theory of mechanisms and machines. Mechanical engineering and machine details	Justification of the time of arrival of passengers in urban public transport to the destination	NAZAROV ANVAR ARIPOVICH
11	ORIPOV SHOXRUXMIRZO MUZAFFARBEK O'G'LI	Materials science in mechanical engineering. Foundry. Thermal and pressure treatment of metals. Metallurgy of ferrous, non-ferrous and rare metals	Development of a device for generating electricity from wind energy generated by the movement of vehicles and justification of its parameters	MAMAXONOV A'ZAM ABDUMAJITOV CH
12	TOJIBOYEV MUHAMMADJON MUHITDIN O'G'LI	Wheeled and tracked vehicles and their use	Optimization of the technology for producing cast iron based on secondary steel obtained from vehicle body waste	BAYMIRZAYEV AKBARJON RUSTAMJAN O'G'LI
13	ALMATAYEV NOZIMBEK TODJIBOY O'G'LI	Wheeled and tracked vehicles and their use	Research on the parameters of the technological process of manufacturing plastic parts of vehicles and improvement of the method for predicting their resource	XALIMJONOV TOXIR SALIMOVICH
14	UMAROV XUSANBOY NURMAXAMMEDO VICH	Inorganic materials and materials technology based on them	Optimization of the parameters of the production of cooling systems of passenger cars	MOYDINOV DILYORBEK ABIDJANOVICH
15	TADJIBOYEV BUNYODBEK QOSIMJON O'G'LI	Wheeled and tracked vehicles and their use	“Compositional analysis of dust emitted in the cement industry and development of ways to reduce their impact on the health of workers”	ORAZIMBETOVA GULISTAN JAKSILIKOVNA
16	MAXMUDOV XAYRULLO XASANJON O'G'LI	G'ildirakli va gusenitsali mashinalar va ularni ishlatish	Avtomobillarning benzin ichki yonuv dvigatellarini ekologik me'yorini tadqiq etish	YO'LDASHEV SHUXRATBEK XABIBULLO O'G'LI
17	NAZIROV NODIRBEK JAMOLIDDIN O'G'LI	G'ildirakli va gusenitsali mashinalar va ularni ishlatish	Transport oqimining tezlik ko'rsatkichini oshirishda V2I (vehicle-to-infrastructure)ning integratsiyalashuv darajasini aniqlash usulini ishlab chiqish	YUSUPOV SARVARBEK SODIQOVICH
18	TURAKULOVA GULASAL ZOHIDJON QIZI	To'qimachilik materiallari texnologiyasi va xomashyoga dastlabki ishlov berish	Uz Auto Motors korxonasi bo'yoqlash sexi ishchilari uchun himoya vositlarini ishlab chiqish	YO'LDOSHEVA OZODAXON MUXAMMADSO DIQ QIZI

19	RAXMATULLAYEV MUXAMMADALI MUXAMMADZOKI R O'G'LI	Mashinasozlikda materialshunoslik. Quymachilik. Metallarga termik va bosim ostida ishlov berish. Qora, rangli va noyob metallar metallurgiyasi	Ikkilamchi polimer xomashyo va bio-tolalar asosida ekologik xavfsiz kompozit materiallar olish texnologiyasini yaratish	BAYMIRZAYEV AKBARJON RUSTAMJAN O'G'LI
20	MAMATKULOV ABDUMALIK ISROILOVICH	Noorganik moddalar va ular asosidagi materiallar texnologiyasi	Mahalliy va sanoat chiqindilaridan suyuq azot, fosfor va kaliyliy o'gitlar olish texnologiyasini ishlab chiqish	DEKCANOV ZULFIKAXAR KIRGIZBAYEVIC H

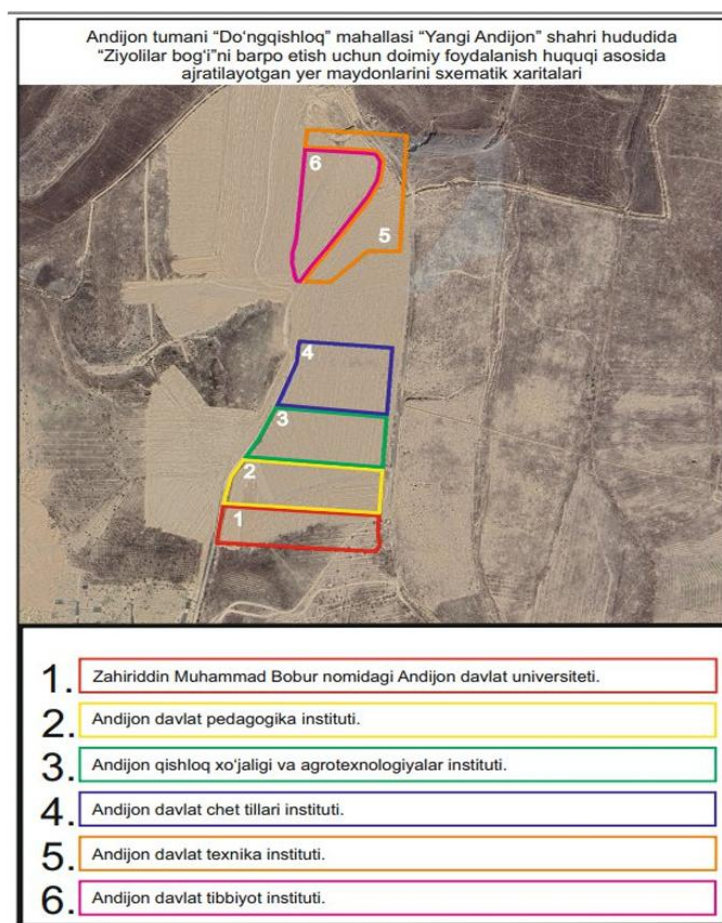
As Table 11.1 shows, 16 of the total number of studies are devoted to vehicles and traffic, and four studies are devoted to the production of materials or components from industrial waste.

Faculty members of the Department of Transport Logistics are implementing a project to improve the Andijan region's motor transport system, which is funded by the local budget.

GREEN ZONE

It should be noted that Andijan State Technical Institute is working on the creation of a special-purpose green zone.

In accordance with Resolution No. 118-1-0-Q/25 of the Andijan Regional Administration dated March 19, 2025, Andijan State Technical Institute was allocated a 1.16-hectare plot of land with a permanent use right for the construction of the "Garden of Intellectuals" in the city of Yangi Andijan, in the Dongqishloq district of Andijan region. Land plot number: A1703203066/14, according to which the diagram below shows plot No. 5 allocated to our institute.



In this designated area of the suburban zone, I planted various tree saplings and flowers. Information about this is provided in Table 11.2.

№	Виды саженцев	количество
1	Чинара	37
2	Дуб	19
3	Магнолия	40
4	Акация	17
5	Берёза	44
6	Крымская сосна	39
7	Тюльпанное дерево	20
8	Клён	20
9	Слива (декор)	37
	всего	273
10	Цветочная рассада	16000

Thus, the Institute is actively working towards Sustainable Development Goal 11 in order to contribute to the common good.



Ensure sustainable consumption and production patterns



12. Responsible Consumption and Production

In accordance with Sustainable Development Goal 12, Andijan State Technical Institute is implementing a strategy of sustainable consumption and production. This includes reducing environmental impacts and wisely using natural resources.

This strategy is reflected in the selection of master's theses and final theses topics.

Thesis and final theses topics are approved by the Rector of the Institute as early as the second year of study. This assignment process allows students to engage in research work beginning in their second year. This ensures that coursework and independent projects in various disciplines are completed on the selected and approved final theses topic.

The research topics of students in economics programs are aimed at reducing the cost of industrial production through the efficient use of material resources, as well as the recycling of industrial waste.

The research topics of students in technical, or engineering, programs focus on waste-free production processes, reducing food waste and ensuring food safety, and the environmentally friendly use of chemicals and all waste. Dissertations and final qualifying theses are written using specific examples from manufacturing enterprises. Students examine the practices of industrial, construction, and other organizations to provide concrete proposals for solving practical problems and improving economic and technical management methods.

It should be noted that the institute adheres to the principles of corporate responsibility. It utilizes environmentally friendly resources and methods in its work. For example, metal waste generated at the institute during the disposal of worn-out fixed assets is recycled. The most important waste from educational services is paper, which is also recycled. This ensures that waste is reduced as part of the garbage.

In student residences, that is, in dormitories, the institute's technical staff has established a procedure for the separate collection of food waste, paper, plastic, and other waste by students. Fruit and vegetable scraps, as well as food scraps, are collected by technical staff who keep chickens, sheep, or cattle at home. They also collect plastic waste for delivery to waste collection points. Public procurement is carried out in accordance with the procedure established by the relevant regulatory documents, taking into account the need to implement environmentally sustainable methods.



Take urgent action to combat climate change and its impacts



13. Climate Change.

Climate change is the most serious crisis of our time:

- Global warming
- Food and water insecurity
- New extremes

The scientific evidence that climate change is undeniable also shows that it can still be reversed. This will require fundamental changes in every aspect of society – the way we grow food, use land, transport goods, and produce energy in our countries.

Climate change is, to some extent, driven by technological advances. This suggests that new and efficient technologies can help us reduce net emissions and create a greener planet. Climate change is the most serious crisis of our time:

- Global warming
- Food and water shortages
- New extreme events

Scientific evidence that climate change is undeniable also shows that it can still be reversed. This will require fundamental changes in every aspect of society – the way we grow food, use land, transport goods, and produce energy in our countries.

Climate change is, to some extent, driven by technological advances. This suggests that new and efficient technologies can help us reduce net emissions and create a greener planet.

Recognizing these challenges and potential solutions, a climate change mitigation program is being implemented at the Andijan State Technical Institute.

Doctoral research topics are determined based on regional characteristics and the serious threat posed by climate change to production technologies. Research topics include "Characteristics of the Adhesive Strength of Composite Polymer Materials in Mechanical Engineering and the Technology of Producing Coatings Based on Them," "Optimization of Production Process Parameters for Internal Combustion Engine Cooling Systems in Automobiles," and "Improvement of Grain Disinfection Technology for Granary Pests Using Ultra-High-Frequency Radiation."

Recognizing these challenges and potential solutions, a climate change mitigation program is being implemented at the Andijan State Technical Institute.

Doctoral research topics are determined based on regional characteristics and the serious threat posed by climate change to production technologies. Thus, research is being conducted on the topics of "Characteristics of the adhesive strength of composite polymer materials in mechanical engineering and the

technology for producing coatings based on them," "Optimization of the production process parameters of the cooling system of internal combustion engines of automobiles," and "Improvement of the technology for disinfecting grain from pests in grain storage facilities using ultra-high-frequency radiation."

Table No. 13.1.

Doctoral dissertation topics on new technologies and efficient waste management.

XAMIDOVA SHOXIDAXON BAXTIYAROVNA	Information systems and technologies in economics	Digital transformation of the management of an industrialized city in the context of a green economy (on the example of Andijan region)	ABDULLAYEV ABDUJABBOR XXX
MAMATKULOV ABDUMALIK ISROILOVICH	Technology of inorganic substances and materials based on them	Development of technology for obtaining liquid nitrogen, phosphorus and potassium fertilizers from local and industrial waste	DEKCANOV ZULFIKAXAR KIRGIZBAYEV ICH



In Andijan, despite the lack of direct access to the ocean, the objectives of this goal are tailored to focus on environmental security, combating climate change, rational use of water resources, and mitigating the consequences of the Aral Sea crisis, viewing this issue as a national concern.

It is known that the national objectives within this goal are aimed at protecting water bodies and supporting the global ecology.

To this end, the institute is implementing a policy of reducing water pollution, starting from irrigation ditches and all land-based activities.

Furthermore, measures are being taken to protect and restore ecosystems. For example, each tree (pine, juniper, and other species) on the institute's grounds is assigned to a dedicated employee, including academic and non-academic staff.

Scientists and doctoral students at the institute conduct scientific research on environmental and natural resource protection.

Furthermore, the institute regularly hosts youth events dedicated to environmental conservation and the careful use of natural resources, including water.

Coordinators of the primary organization of the Youth Union of the Andijan State Technical Institute promote the idea that environmental protection and water conservation should become the daily responsibility of every person.

Under the slogan "Water is the source of life, and its conservation is an investment in the future," they urge students to be environmentally conscious, protect the environment, and value every drop.

"Today's youth are the masters of tomorrow. Their every attention and action ensures clean nature, clean water, and a green life for future generations," they write on the institute's official Telegram channel.

On February 26, 2026, as part of the "Every Thursday is Youth Day" event, a meeting was held at the Andijan State Technical Institute between the rector and student eco-volunteers.

The main goal of the meeting was to raise environmental awareness among students, support environmental initiatives, and intensify youth social activities.



During the event, the rector highlighted ongoing environmental work, including the expansion of green spaces on the institute's campus, the implementation of a waste sorting system, and the development of a volunteer movement. Student eco-volunteers presented their initiatives and proposals, sharing plans for tree planting, environmental awareness projects, and the creation of a clean environment.

The meeting was held in a spirit of open dialogue, with students' opinions and proposals heard and specific objectives set for supporting active youth.

This meeting served to enhance young people's environmental responsibility, foster a respectful attitude toward nature, and strengthen their active citizenship in society.

It should be noted that events dedicated to environmental protection, resource conservation, sanitation, and other areas related to the Sustainable Development Goals are held at the institute at least two to three times a week. Information about these events is published on the institute's official Telegram channel, where you can find detailed content and videos of these events at <https://t.me/andtexnika>.



15. Life on Land

Andijan State Technical Institute has a policy aimed at preserving natural resources, that is, ecosystems, and rationally using available resources, including land and flora.

Ecosystems play a key role in supporting life on Earth, providing oxygen, food, and resources for human existence. Given that ecosystems are under threat from human activity and climate change, urgent measures are being taken to protect and restore them.

At the same time, great attention is paid to raising awareness of the importance of ecosystems for sustainable development, and therefore for the future of all humanity. To this end, special events were held among young people and students in the surrounding area of the institute, dedicated to caring for the environment and nature, and preserving the purity and pristine nature.

On March 3, 2026, under the slogan "We will turn our district into a garbage-free zone," the Faculty of Mechanical and Chemical Engineering organized a landscaping campaign entitled "Caring for the Environment - Caring for the Future!" As part of the campaign, student volunteers cleaned the institute's grounds and whitewashed the trees. This initiative not only contributes to the prosperity and beauty of our neighborhood but also instills environmental awareness in the hearts of young people.

The students encouraged their peers to participate in this process: "Cleanliness is a culture, a responsibility, and our duty to future generations. We encourage everyone to protect the environment and be committed to cleanliness!"



On March 13, 2026, the volunteer team of the Andijan State Technical Institute launched another noble initiative. Students and young people united and organized a charity event aimed at promoting the values of kindness and humanity in our society.

During this good deed, the volunteers not only provided practical assistance by cleaning the area, beautifying the surrounding area, and assisting those in need, but also strengthened the feelings of solidarity, generosity, and humanity in the hearts of young people.

Such initiatives help young people grow not only as educated individuals, but also as loving and selfless people who feel a responsibility to society.



In human life, the earth's ecosystems play an important role - they provide a place of rest for people and numerous resources of food, as well as psychological relaxation for people.

6 indicators of life on land and the tasks associated with them are set for this goal.

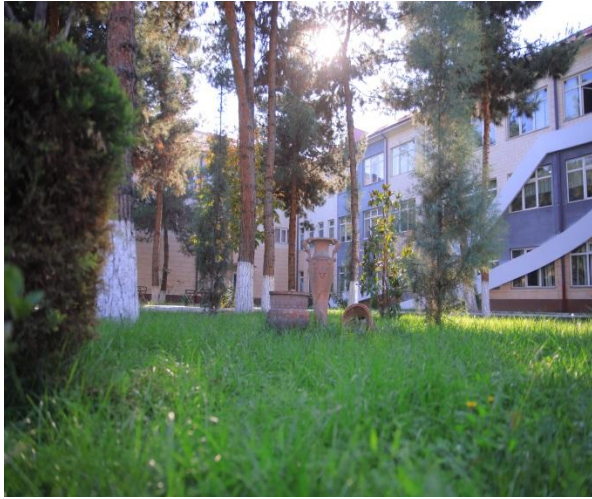
Of these tasks, two important ones are the focus of this program:

- ensure the accounting and preservation of the values of the biosystem;
- mobilize and significantly increase financial resources from all sources for the conservation and rational use of biological diversity and ecosystems.

Thus, on the territory of the main campus of the institute there are the following plant species, which are strictly accounted for and cared for:

- pine trees – 166 pcs.;
- juniper – 24 pcs.;
- polonia – 19 pcs.;
- chestnut trees – 8 pcs.;
- oak trees – 4 pcs. and others.

A total of 17 plant species are found only inside the campus.
Thus, the ecosystem at the institute is accounted for and stored.



Andijan State Technical Institute will continue to seek more effective methods of participation and assistance in the implementation of tasks for the considered purpose.



Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels



Goal 16 "Peace, Justice, and Effective Institutions"

To achieve this goal, the institute builds on the specific nature of its educational activities. Particular emphasis is placed on two objectives:

- Systematic organization of the fight against corruption;
- Citizen participation in decision-making.

Andijan State Technical Institute is systematically implementing anti-corruption measures.

The fight against corruption at the institute level is carried out directly under the supervision of the rector, who closely monitors compliance with anti-corruption legislation. The compliance department is working to adapt the anti-corruption system to international standards, in particular, the international standard ISO 37001:2016 "Anti-Corruption Management Systems."

The institute has developed its own system for identifying signs of violations of the law that qualify as corrupt acts. In this regard, the main focus is on enhancing students' legal skills and their political and social activism. Thus, in 2021, at the initiative of our rector, one of the first ministry orders in this area was the establishment of student and youth anti-corruption clubs throughout the republic.

Since 2022, the institute became the first in the republic to involve members of the youth anti-corruption club in public oversight activities related to student examinations.

As a result, this system has minimized corruption among the institute's staff and faculty. While three cases were identified in 2020-2022, no such cases were recorded at all in 2023-2026.

The institute has created conditions that allow citizens, including employers, institute staff, and students, to participate in decision-making regarding the educational process, research activities, and other areas of the institute's activities. To ensure timely and effective communication with students 24/7, the Institute's Rector operates an official Telegram channel, AndDTI Rektor Rasmiy bot, at <https://t.me/Anddtirektorbot>. This official channel has 3,363 subscribers, primarily students. Students receive approximately ten inquiries per day, in which they write about issues related to accommodation, transfers from or to other universities, scholarships, tuition fees, financial problems in the family, the educational process, the quality of classes, and other matters. The Institute's Rector responds immediately upon receipt of a student's inquiry: providing a specific answer, inviting students to his office for a discussion to resolve the issue, organizing meetings with Institute officials, or providing clarification on specific issues. In many cases, he supports student proposals for improving the quality of the educational process at the Institute and provides students with specific assistance. The highest governing and decision-

making body at the institute is the Academic Council. Members of the Academic Council of the Andijan State Technical Institute are elected based on the Charter, approved by order and subject to amendments based on job responsibilities. Members of the Academic Council include the institute's rector, vice-rectors, department heads, faculty deans, department heads, as well as leading scientists and students who are members of the Student Club. This ensures the formal participation of students in decision-making.



Goal 17 "Partnerships for Sustainable Development"

Andijan State Technical Institute sees its future success in achieving all sustainable development goals through strengthening international cooperation and partnerships with leading global universities, organizations, and the private sector. The Institute values the importance of international cooperation in terms of gaining international experience and quality in all areas of its activities.

The Institute's key areas of international cooperation include:

- Effective collaboration with international foundations, organizations, and foreign partner higher education institutions;
- Advanced training for professors and teachers abroad, internships, and participation in various conferences and seminars;
- Sending students abroad through mobility programs;
- Involving foreign professors and teachers in the educational process;
- Attracting foreign students to study at the Institute:

Andijan State Technical Institute has established effective cooperation with foreign higher education institutions and international foundations and organizations. The Institute actively collaborates with the Islamic Development Bank, Erasmus+, KOICA, JICA, UNESCO, GIZ, the World Bank, the British Embassy, the Belarusian National University of Technology, the North China University of Technology, the Indian ITEC program, and universities in Turkey, Russia, Japan, and Kazakhstan.

Currently, memorandums have been signed with over 50 foreign universities from China, Belarus, Kazakhstan, Italy, Turkey, Russia, Poland, Malaysia, Azerbaijan, Latvia, Kyrgyzstan, and other countries. Cooperation with these universities covers academic, methodological, and research activities. These universities include the Belarusian National Technical University, North China University of Technology, Karabuk University, Al-Farabi Kazakh National University, Mukhtar Auezov South Kazakhstan University, Don State Technical University, and others. Attracting foreign investment and international grants occupies

a special place in international cooperation. These activities for 2025 are characterized by the following data in Table 17.1.

Table 17.1.

Information on funds received in 2025 through grants from foreign countries, research centers, and orders from foreign scientific foundations

	Project name	Sum
1	Modernizing the Master's Program in Environmental Engineering in line with European Union requirements	756 251 euro
2	GreenEngine: "Developing Creative Engineering for a Sustainable Green World"	596 598 euro
3	UzMedEn: "Development of a new master's degree and advanced training program in medical engineering in Uzbekistan"	471 588 euro
4	I2-PLEDGE: "Development and use of innovative and interdisciplinary programs in biomedical engineering in Uzbekistan"	358 357 euro
5	GreenCampUz: "Green Campus Initiative: Integrating Sustainability into Higher Education in Uzbekistan"	359 682 euro
	TOTAL	2 542 476 euro

On January 14, 2026, the Andijan State Technical Institute officially launched the "Green Campus Initiative – Integrating Sustainable Development Principles into Higher Education in Uzbekistan" project under the European Union's Erasmus+ international grant program (number 101234907 – GreenCamUz – ERASMUS-EDU-2025-CBHE-STRAND-1). The project will be implemented from 2025 to 2028.

The project's primary goal is the systematic integration of sustainable development principles into the higher education system, particularly across various educational programs, through forward-looking, competency-based approaches, in collaboration with educational partners. The GreenCamUz project aims to strengthen environmental responsibility in higher education institutions, implement the "green campus" concept, and train specialists focused on sustainable development.

This initiative is fully aligned with the UN Sustainable Development Goals and the European Union's priorities for strengthening environmental sustainability in education. The project includes educational and practical activities aimed at enhancing the knowledge and skills of pupils and students in the field of climate change, environmental issues, and their consequences, as well as deepening their understanding of the relationship between the environment and human activity.

The GreenCamUz project will also help develop young people into environmentally conscious, responsible, and active citizens, thereby making a significant contribution to achieving the national sustainable development goals of the Republic of Uzbekistan.

It is gratifying that the projects, funded by international grants, are aimed at achieving 17 Sustainable Development Goals.

The GreenCamUz international project, "Green Campus Initiative: Integrating Sustainable Development Principles into Higher Education in Uzbekistan," opened in Tashkent on March 25-28 as part of the Erasmus+ CBHE program.





Active work is also underway in other areas of international cooperation. Thus, in 2025, approximately 300 professors and lecturers from the institute—at partner universities in the Republic of Kazakhstan, the Kyrgyz Republic, China, Portugal, Spain, Turkey, Bulgaria, Lithuania, Italy, Russia, India, and Belarus—participated in advanced training courses and internships in the following areas: Electrical Engineering and Power Engineering, Foreign Languages, Alternative Energy, Automation of Mechanical Engineering Production, Metrology and Light Industry, Chemistry and Chemical Engineering, Information Technology, Transport Logistics, Automotive Engineering and Transport, Economics, Architecture and Hydraulic Engineering, General Engineering, Civil Engineering, Accounting and Management, Technological Machinery and Equipment, and Occupational Safety. They also participated in experience exchanges, conferences, and seminars, forums, and similar conferences. In 2025, students of the Andijan State Technical Institute were sent to the South Kazakhstan University named after Mukhtar Auezov in Kazakhstan, the Kyrgyz State Technical University named after I. Razakov in Kyrgyzstan, Osh State University, and the Osh Technological University named after M.M. In order to develop language skills, gain cultural insight, and conduct scientific research, and with the support of the Adishev National Research University of Agrotechnology in Kazakhstan, the Noida Research Institute of Standardization (India), the University of Electronic Science and Technology of China and Lanzhong University in China, Karabuk University in Turkey, the Ministry of Education and Science of the Republic of Tajikistan, and the German Government, 36 undergraduate, graduate, and doctoral students from the Institute were sent to foreign universities with the support of the Adishev National Research University in Kazakhstan, the Noida Research Institute of Standardization (India), the German Society for International Cooperation (GIZ GmbH), the Merseburg University of Applied Sciences (Germany), and the University of Vigo (Spain).

In order to improve the quality of education at the institute, to involve foreign specialists more widely in the educational process, to introduce advanced pedagogical technologies and experience into the educational process, as well as to co-author textbooks, teaching aids, programs and teaching materials, in 2025, the institute attracted 46 foreign specialists in such fields as information technology (India), fundamentals of web programming, fundamentals of automatic control, the Java programming language, databases, modeling and planning, the Python programming language, computer networks, foreign

languages and applied mechanics (Russian Federation), chemistry and chemical engineering (Turkey), as well as metallurgy and materials science. Currently, 10 international students are studying at the institute: one student from Nigeria majoring in Accounting and Management; three students from Russia majoring in Mechanical Engineering: Machines, Devices, Units, and Equipment; one student from Egypt; two students from Kyrgyzstan; and three students from Tunisia majoring in Bioengineering and Automotive Design.

Thus, the Andijan State Technical Institute aims to strengthen global cooperation, mobilize resources, improve education, and transfer technology to successfully implement all 17 Sustainable Development Goals.

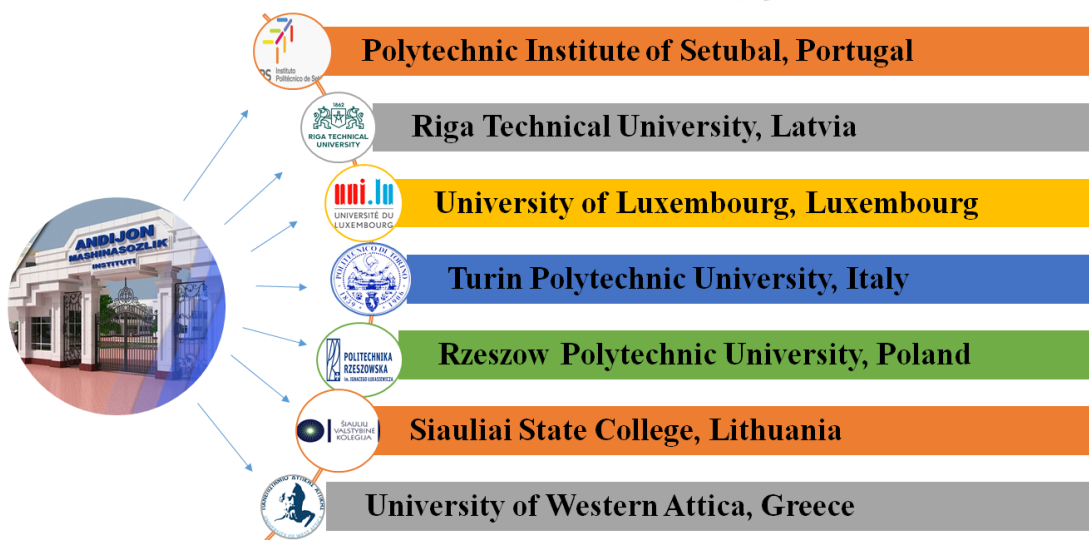


Cooperation projects with international organizations operating in Uzbekistan



Within the framework of cooperation, academic mobility of professors, teachers and students is carried out, as well as the development of scientific and educational programs for international grants.

INTERNATIONAL CREDIT MOBILITY ERASMUS+ KA107 PROGRAM



In recent years, design work has been carried out under the ERASMUS+, World Bank and other programs.

ERASMUS + KA2 CAPACITY BUILDING IN HIGHER EDUCATION

**Intelligent Transport
Systems: New ICT-based
Master's Curricula in
Uzbekistan (2018-2021)**



**Modernization of higher
education in Central Asia
through new technologies
(2019-2022)**



**Modernization of
Undergraduate Program
in Mechatronics and
Robotics in Uzbekistan
(2020-2023)**

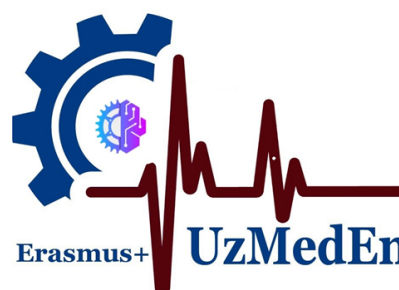


ERASMUS + KA2 CAPACITY BUILDING IN HIGHER EDUCATION

**101082242 – I2-PLEDGE “Innovative and
interdisciplinary Programmes in Bio-medical
Engineering to Leverage and Exploit the Digital
Growth programme for students’ employability in
Uzbekistan”**

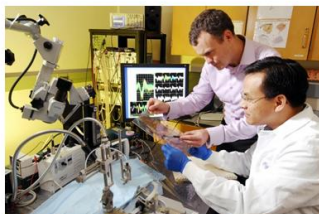


**101082221 - UzMedEn : New master’s
degree and training course programs
in the field of medical engineering in
Uzbekistan**



ACADEMIC INNOVATION FUND (WORLD BANK)

**Joint master program
in the field of medical
engineering in
Uzbekistan
(2019-2021)**



**SYNERGY: Building
Synergies between
Higher Education and
Industry in Uzbekistan
(2019-2021)**



**Modernization of
Undergraduate Program
in Mechatronics and
Robotics in Uzbekistan
(2019-2021)**



Activities to attract professors and teachers from near and far abroad are intensifying. For example, in 2024, more than 50 foreign teachers were invited to the educational process. The increase in the number of foreign teachers invited to the Andijan Machine-Building Institute serves to improve the educational process and increase the effectiveness of research activities.

SCIENTIFIC PROJECTS FUNDED BY AGENCY FOR INNOVATIVE DEVELOPMENT

**Development of antimicrobial
nonwoven products from silk
waste for medical applications**



**The research & application of smart
(AI) grid system with renewable
energies based on big data**

