

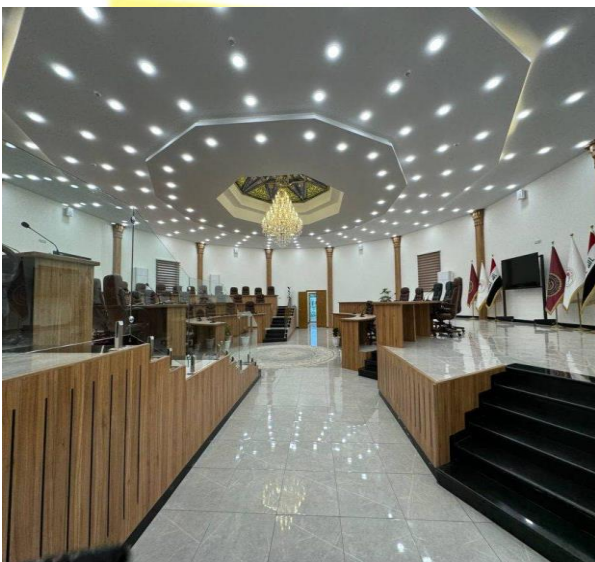


SDG 9: Industry, Innovation and Infrastructure





new projects entered active service for students, all of which were opened in the current year 2023.



The President of Al-Furat Al-Awsat Technical University announced the entry of ten (10) modern projects into active service, all of which were opened in the fifth month of May of the current year 2023, and in a number of university formations, which enhances the level of education and the university's infrastructure.

These projects include a variety of modern facilities and equipment that meet the needs of students and enhance the educational process at the Diwaniyah Technical Institute, the Kufa Technical Institute, and the Babylon Technical Institute. Among these projects are:



At the Diwaniyah Technical Institute:

1. The Student Club, which features a spacious building area of 800 square meters and can accommodate 400 male and female students. The club's architectural design is characterized by modernity and fine details, and it is equipped with high-quality furniture.
2. The auditorium complex, which includes two model auditoriums and an administrative office. Each of them can accommodate 180 male and female students, and 360 male and female students can be accommodated at the same time. The halls are equipped with advanced educational means such as a smart educational whiteboard and high-quality sound systems.
3. A new gate for students to enter, two information rooms, and rehabilitating the corridors and approaches to the gate, to improve the students' experience in arriving at the institute.
4. Adding new green spaces and equipped gardens with a total area of 1,600 square meters.
5. An integrated health and service complex in which the rationalization of electrical energy consumption was taken into account in terms of smart lighting and the rationalization of water use.

At the Kufa Technical Institute:

6. A model building for the Information Technology Department, which includes four modern computer laboratories and a capacity of 100 male and female students. The laboratories are characterized by high-quality equipment, including computers and furniture, that meet the aspirations of high-level training. In addition, the building is equipped with an advanced studio for recording electronic lectures using Light Board technology. A number of administrative offices and service annexes were also provided to meet the needs of the institute's employees.
7. A central conference hall that can accommodate 240 people. The hall is equipped with advanced sound systems, smart display screens, and laser "data show" technology, and the best types of furniture have been provided to make it a model hall that accommodates conferences and scientific and cultural events.
8. The continuing education hall designated for holding training courses is equipped with an advanced smart screen and modern sound systems. This hall allows training courses to be presented in an interactive and innovative way.

At the Babylon Technical Institute:

9. The building includes listed classrooms and model laboratories. The building consists of two floors with a total area of approximately 2,000 square meters. The building has a capacity of up to 840 male and female students at the same time. The ground floor includes four typical auditoriums, each hall can accommodate 110 male and female students. On the first floor, there are four typical laboratories with a capacity of up to 100 male and female students in each laboratory.



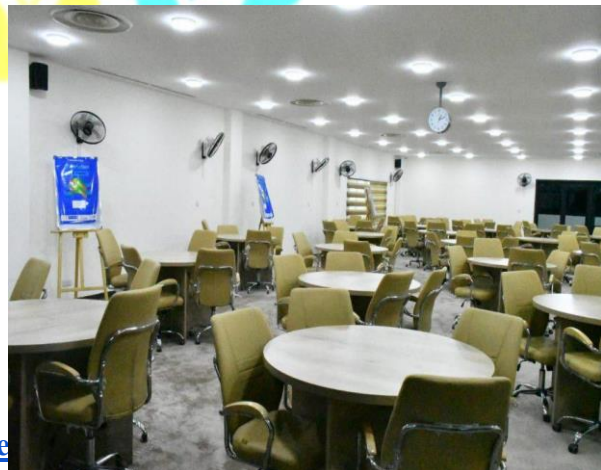
10. Adding green spaces and equipping the building's courtyards with an area estimated at 1,200 square metres. These green spaces have been rehabilitated to be a suitable environment for rest.

The opening of these integrated projects reflects the commitment of Al-Furat Al-Awsat Technical University to the construction and reconstruction campaign launched by the President of the University in June of 2019, which resulted in the opening of many important projects, the goal of which was to achieve a model university environment for solid, high-level education. At the same time, these projects embody the shift towards more sustainable education and enhance awareness of the importance of developing infrastructure because of its clear impact on the educational process.



Opening of the Scientific building: <https://atu.edu.iq/?p=25942>

The project (the Scientific building) includes the establishment of three model classrooms with a total capacity of approximately (500) five hundred students, as well as a hall for continuing education courses, an electronic library, scientific and administrative offices, and other service facilities that have been equipped with modern requirements of equipment, furniture, and other equipment. The best builders





Republic of Iraq
Ministry of Higher Education & Scientific Research
AL-Furat AL-Awsat Technical University

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Opening of the second edition of the Software Scientific Exhibition for the projects of the initial studies students of the Information Technology Department.



Web Address: <http://en.atu.edu.iq> / <http://atu.edu.iq>



Opening of the engineering laboratory in Babylon for the Office of Scientific and Consulting Services at the University Presidency

The importance of the work of technological technical cadres is no less than the role of medical cadres in serving society, whether they are intermediate graduates of technological institutes of technology or primary graduates of technical engineering colleges in their various departments (the departments of surveying, civil, electronics, mechanics, machines, equipment, medical devices, the manufacture of limbs and supports, renewable energy, and water resources technologies). These specializations contribute to filling the need of the various sectors of the country's economy to contribute to achieving the sustainable development goals of the ninth goal, "Industry, Innovation, and Infrastructure," the eleventh goal, "Sustainable Cities and Local Communities," and the seventh goal, "Clean and affordable energy." Students are accepted into these departments according to the student's average and desire, in addition to the acceptance of (industry) graduates of vocational preparatory schools. This is an achievement of the fifth goal of the sustainable development goals, "gender equality." Those who excel in it obtain privileges and rights regardless of gender.

This is an achievement of the tenth goal, which is "reducing inequality".

AL-Furat AL-Awsat Technical University launches its automated response system on the Telegram platform as part of its digital transformation programs: <https://atu.edu.iq/?p=20072>

Under the guidance of the President of the University the staff of the Electronic Calculator Center at the University Presidency launched the automated response system on the Telegram platform. Al-Zuhairi indicated that this system is one of the university's projects towards digital transformation and represents an electronic window for communication with the community, through which access can be simplified. To the services provided by the university in real time. On the other hand, Dr. Mustafa Kazem Taqi, Director of the Electronic Calculator Center at the University Presidency and supervisor of the system's implementation, stated that the system works on the Telegram platform and provides a range of services, including registration for teaching suitability tests, registration for Arabic, English, and computer proficiency tests for graduate students, and many other services. For university employees and students.



The President of Al-Furat Al-Awsat Technical University opens the construction laboratory in the Office of Scientific and Consulting Services: <https://atu.edu.iq/?p=20015>



The President of Al-Furat Al-Awsat Technical University opened the construction laboratory of the university's scientific and advisory services office. It should be noted that the laboratory is located in the center of the city near the departments of the Al-Najaf Governorate in the Al-Ghadir

neighborhood, with an area of 600 square meters. The laboratory provides services and laboratory tests for construction materials (physical and chemical), non-destructive tests, construction evaluation reports, all asphalt tests, and soil investigations, as well as technical and engineering consultations. And electrical examinations, such as cables, transformers, and other mechanical examinations for elevators, and safety reports. While the honorable President of the University was accompanied by the Office Head, Dr. Qahtan Al-Fatlawi, and the Director and members of the Office of Scientific and Consulting Services at the University Presidency. They were received by the consulting engineer, Dr. Zuhair Abdel Hajim, and the engineers working in the laboratory.

Building resilient infrastructure, promoting inclusive and sustainable industrialization and encouraging innovation

Goals include affordable and equitable access to quality infrastructure; Labor-generated industrialization; Access to financial services and markets; Innovation and technology transfer, and increased access to information and communications technology. Economic sustainability aims to increase economic efficiency and growth in order to advance the reality of sustainable industry. To achieve this goal, the university implemented the following activities:

The university's formations seek to keep pace with the great scientific and cognitive technological revolution that the world is witnessing at the present time, represented by the tremendous increase in electronic innovations in all fields, and to provide the opportunity for graduates, students and specialists to



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acquire important information that qualifies them to enter the labor market. The university's evaluation of workshops and seminars for its students and graduates, as the number reached (38) activities, including a workshop on compound rubber materials and how to use them in manufacturing cushions for cement factory vibrators, and on the maintenance and installation of cooling devices and natural polymers in food packaging and natural fibers and their role in increasing mechanical properties, cooling systems and the weather conditions of the city of Karbala. Creating shadows as a job Voluntary contribution from students for the purpose of training postgraduate students in primary and postgraduate studies.



A total of 18 research papers on industry and innovation were published during the year 2023.



Within the framework of the directives of the Presidency of Al-Furat Al-Awsat Technical University for digital transformation in all fields, the construction of smart gates has been completed. The new gate, which has an area of 130 square meters, is distinguished by containing two information lounges for male and female students, with 12 electronic gates that open using the university electronic card, with what distinguishes it from the possibility It was used as a VISA card for electronic payment in all financial transactions inside and outside Iraq. The area of the new student entrance was (30) square metres, and the inquiries area was (13*10) with the new university fence (garage) with an area of 150 square metres. With the construction of a main street whose length was 115m inside the university and the width was 6m and outside. The university is 150 m long



And 13 meters wide. ❖

Painting, painting and rehabilitating the floors of classrooms No. (1) and (3) ❖
and coating them with epoxy and chemical treatment at an amount of 180
square meters, as well as painting at an amount of 600 square meters.

Qualifying health groups for workshops affiliated with the Power Mechanics ❖
Department

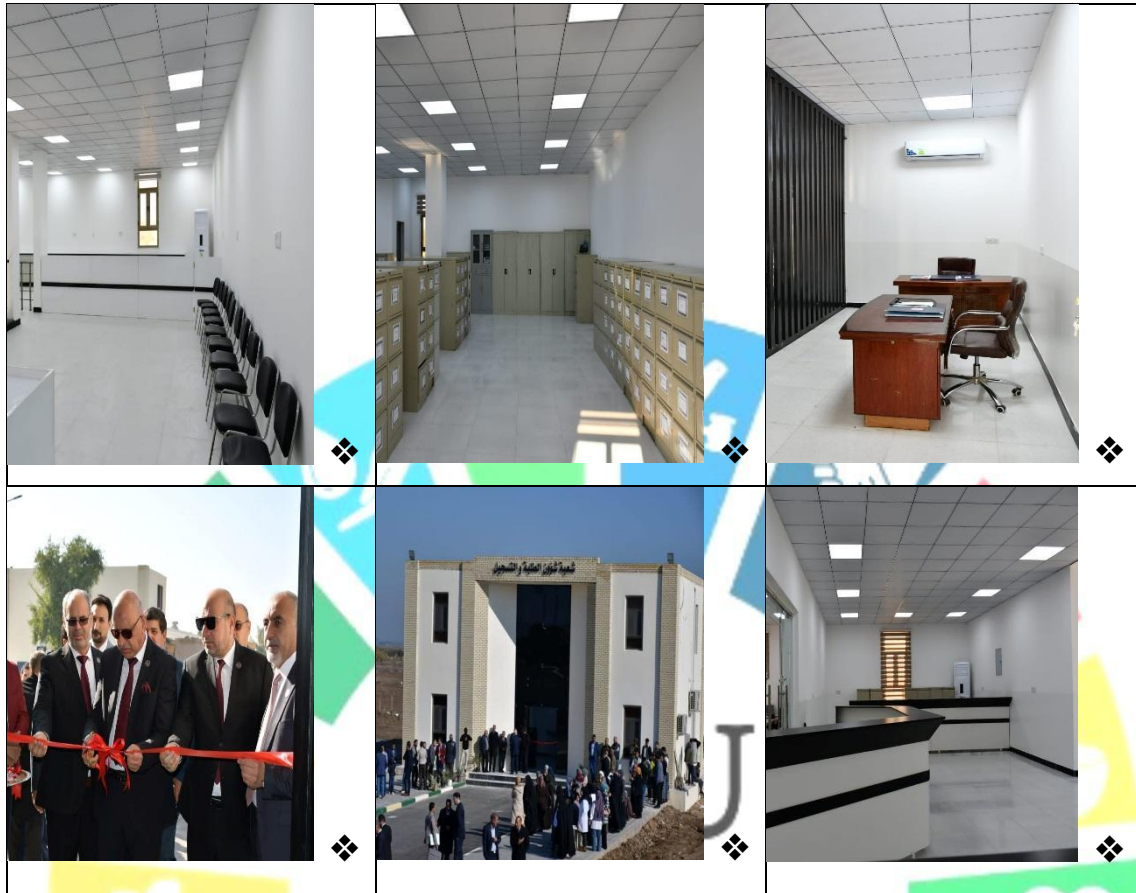
Painting and rehabilitating the floor and walls of the Electrical Technology ❖
Department, at an area of 400 square meters² And also to spray the facade by
100 m² He also set a dry value of 100 m² Dyeing and qualifying

The main hall hall has been built with an area of 800 m² (under construction) ❖

The construction of the Student Affairs Building + the Examination ❖
Committee was carried out at a size of (15*20) m²



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Assistant Dean's Office Building (under construction) (10*15) m2 ❖

Scientific Division Building (under construction) (15*7) m2 ❖

Within the framework of the renaissance of construction and reconstruction ❖
witnessed by the university and its endeavor to upgrade the educational and
service infrastructure, the central library building was completed. The central
library building project, which has an area of one thousand seven hundred
square meters and two floors, includes a large reading hall with a total capacity
of approximately (500) five hundred students, as well as a hall for courses. An
electronic library, a special wing for books and periodicals, scientific and
administrative offices, and other service facilities, which were equipped with
modern requirements, including devices, furniture, and other equipment, from
the best facilities.



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- Within the framework of the great interests given by the Presidency of Al-Furat Al-Awsat Technical University and the Deanship of the Technical Institute / Kufa to organize scientific and cultural activities and events, and under the slogan “The Library is the interface of the scientific and cultural edifice,” the Deanship of the Institute organized the Library Cultural Festival, the activities of which were opened by the Dean, Professor Dr. Fadel Sami in the Central Library Hall in the presence of the Assistant Dean for Administrative and Financial Affairs and a number of department heads and members of the Institute. -2





Al-Furat Al-Awsat Technical University launches an electronic leave inquiry service for its members on the Telegram platform:
<https://atu.edu.iq/?p=21712>

Within its digital transformation program that it launched earlier. Under the guidance of the President of Al-Furat Al-Awsat Technical University the staff of the Electronic Calculator Center at the University Presidency launched an electronic leave inquiry service for its members on the Telegram platform. Al-Zuhairi indicated that this service is part of initiatives The university is moving toward digital transformation, in line



with technological development in the world, to save time and effort through an integrated program through which it is possible to simplify obtaining vacations available to employees of all types. He stressed that the university is continuing to achieve more initiatives within digital transformation programs through technical and electronic solutions. On the other hand, Dr. Mustafa Kazem Taqi, Director of the Electronic Calculator Center at the University Presidency and supervisor of the program's implementation, stated that this service includes submitting vacations electronically via phone or calculator, where the employee fills out the vacation form, writes the personal data, and determines the vacation days, and then it is sent to the concerned authorities without The need for a manual signature or stamp. Through the program, the employee can identify the leave balance and obtain approval or not through electronic notifications.

Mr. Dean of the Administrative Technical College / Kufa, Al-Furat Al-Awsat Technical University raises the curtain on the college's QR code signboard:
<https://atu.edu.iq/?p=20901>



Mr. Zahah, Dean of the Technical and Administrative College / Kufa, Professor Dr.

Fadel Abdul Abbas Al-Abidi

The curtain features an artistic painting representing an image of the QR barcode system. It was designed at the initiative of a group of students from the Information Technology Department/fourth stage. It includes information about the university, the college, and its scientific departments, as the students participated in the design.

-The university is the first and appropriate

place to obtain consultations in all fields of work according to scientific foundations, studies and research of its professors reflected on the integrity of the decisions taken according to them except for the public sector or the private sector and the state departments depend on the consultations of universities to implement their projects in all ministries according to contracts concluded with the university in all its sites in return for wages determined according to the instructions in force and be relative to the work team that provides consultation, and the advisory office was opened in the presidency of the university .

-All sites in the university seek to expand by providing their consultations to the public and private sectors by announcing their advisory services in all scientific fields, and the revenues of the consulting offices are one of the types of revenue sources at the university that help them cover some of their expenses and implement the projects they need. In doing so, the university helps to support the community with the expertise of its consulting professors and technical cadres to help with industry, innovation, and infrastructure.