جامعة الكفيل
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The Al-Abbas (PBUH) Holy Shrine

The Owner Body

The General Secretariat of the Al-Abbas Holy Shrine was formed in 2007 according to the Shrine Administration Law number 19 which is an alternative to the first legitimate administration formed after the fall of the dictatorship in April 2003, and it obtained a written authorization from the religious authority in Najaf to supervise the administration of the holy shrine, as it created a wide administrative structure that includes formations in all fields of cultural, educational, religious, media, engineering, security services, financial, and medical, etc., in order to return the role to the holy shrines, to begin a new phase in which giving continues, and the service of the holy shrine and its visitors is elevated to wider ranges.

Under the leadership of its guardians; enormous efforts were taken to advance the level of education in Iraq, keep pace with the rapid progress in the field of science, and meet the demanding needs of society. Hence, to achieve a distinctive footprint in the world of education. For this and more, the Al-Abbas's (pbuh) holy shrine established the Education and Higher Education Authority to carry out the aforementioned responsibilities. In order for its strategic outputs to be executive mechanisms for its educational and higher educational institutions, the University of Alkafeel was one of the official projects to achieve the desired goals of the general policy of the Al-Abbas's (pbuh) Holy Shrine, including the development of curricula and study plans, the provision of qualified scientific competencies to teach, and the preparation of classrooms, laboratories and supplies with the latest modern and distinguished equipment in quality and quantity, and attention to research aspects. Further, a committee was formed to set a clear policy for the educational institutions of the holy shrine, which was entrusted to the rector of the university to apply with assistance of the faculties and departments of the university, therefore, the department of psychological counseling and educational guidance was formed at the university, and the activities, events and programs varied to achieve these goals by means of offering a program for social skills development, a program for scientific enrichment, a communication skills program, a program for remembrance of religious events, memorials and gatherings to promote religion and its values among students, a program for issuing journals and a program for organizing trips.

University Introduction

Prof. Dr. Nawras Muhammad Shahid Al-Dahan

The university is striving diligently and confidently to provide a solid scientific research environment that contributes to creating reliable means of publishing activities and scientific studies for both Iraqi and international researchers; Through its laboratories and available facilities, Alkafeel made it easier for authors to submit and publish their work, and this can is evidenced by the two journals that the university has issued which are hosted by Elsevier – Digital Commons that use the online Editorial Manager System. The university with Maaen, and Al-Bahir in cooperation with Elsevier – Digital Commons have contributed to the publication of many scientific articles and case studies in the field of medical sciences, pure natural sciences and engineering sciences, where the journals and the editorial teams are in continuous work to offer services and assist the academics and scholars.

The university provides a wide range of laboratories equipped with the latest modern technologies similar to authentic academic institutions at the local and international levels, in a way that stimulates scientific energies and competencies to develop their capabilities and skills; to deliver the best possible advantages to the community, contributing to providing scientific, solutions to address many of the problems, and this coincides with the vision of the university and its owners where they are very keen on offering free services presented in community charity work and university dental clinics that is equipped with all means and modern devices.

One of the university's priorities, that is adopted in a practical and realistic approach, is the recruitment of Iraqi competencies exclusively, as support to the local society in developing their capabilities and skills, and in cooperation with official state institutions, to promote exchange of experiences to achieve integration and provide educational opportunities for the people of the country.

The university with its recognized standards, academic achievements and social and community services as its logo states: (Alkafeel University First), aspires to be distinguished in every aspect with a difference from everyone else and hence achieve the expected advantage in the social reality, which is community service.

Alkafeel University Profile

The University was founded pursuant to the Order of the Ministry of Higher Education and Scientific Research No. 187 on the 1st of February 2005, where it was known as (the University College of Humanities). Then the name was changed to (Alkafeel University College) on the 10th of July 2017. After completing the strategic plan and the procedures for transferring to a university, a ministerial order was issued to officially declare it to (The University of Alkafeel) on the 10th of July 2018. Alkafeel University currently includes five colleges: College of Law, College of Technical Engineering, College of Medical and Health Technologies, College of Dentistry, and College of Pharmacy. The university awards a bachelor's degree in accordance with the regulations of the Ministry of Higher Education and Scientific Research. The University graduates may pursue their higher studies in Iraq and abroad. They shall be qualified to take up employment in accordance with their university degrees in whatever job opportunities available in the public and private sectors.

Motto

Alkafeel University shall be first in academic pioneering and scientific integrity to serve the community.

Vision

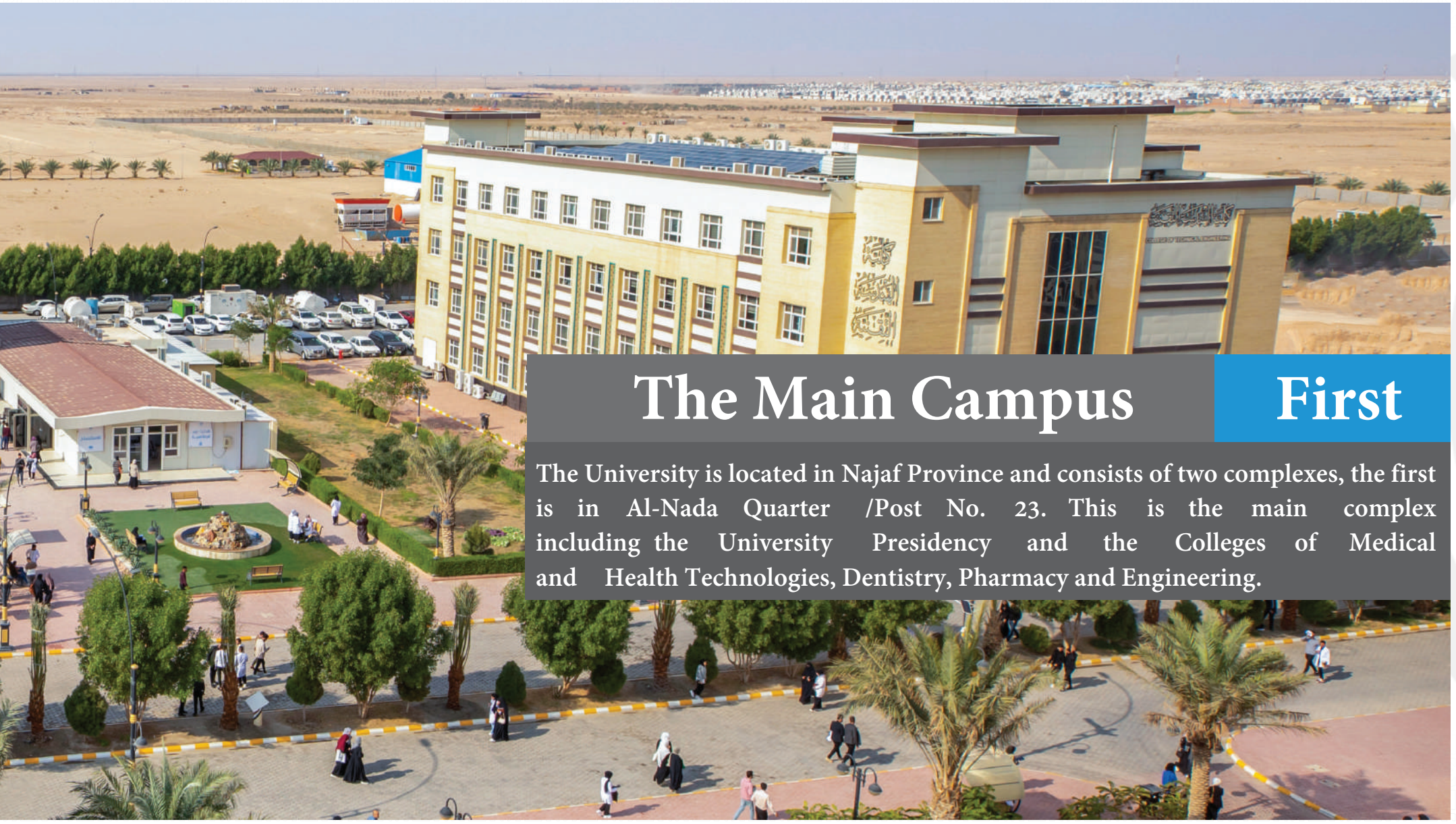
The University seeks to be one of the best academic institutions recognized for its efficiency, achieving international standards in terms of education, application of knowledge and scientific research, and community service in order to achieve comprehensive and sustainable human development, and to be great in its giving, embodying national and Islamic values.

Mission

The University is keen on advancing the various aspects of knowledge for the development of society by creating a distinguished scientific environment conducive to bringing up a new generation capable of being familiar with various fields that would contribute to building our society and also be an incentive for the renaissance of society through the availability of a distinguished scientific climate capable of enabling generations to innovate in scientific and cognitive fields. The University also seeks to offer a variety of scientific programs in various fields to graduate generations characterized by a culture of creativity in the work environment and cherishing cognitive, professional, and ethical values.

Goals

- Providing outstanding education in accordance with international standards of quality that meet the requirements of the labor market.
- Graduating qualified cadres to work in the public and private sectors capable of utilizing scientific and ethical concepts.
- Transferring knowledge and working on the scientific development of groups of society through training and developing capabilities.
- Endeavouring to achieve constructive partnerships with companies, research centers and the country's scientific and service institutions to develop and employ scientific production in a manner that serves society and achieves sustainable development goals.

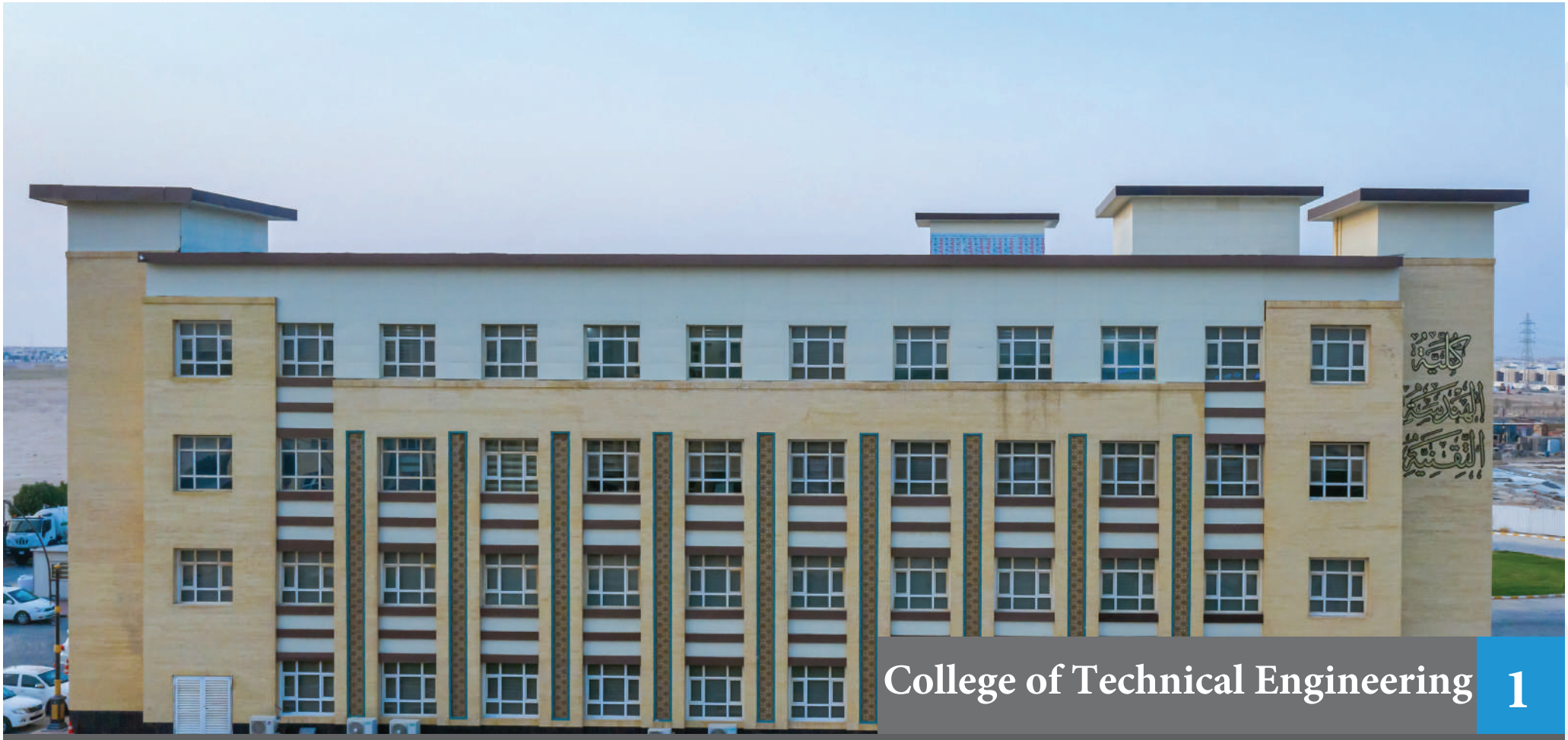


First

The Main Campus

The University is located in Najaf Province and consists of two complexes, the first is in Al-Nada Quarter /Post No. 23. This is the main complex including the University Presidency and the Colleges of Medical and Health Technologies, Dentistry, Pharmacy and Engineering.

COLLEGE OF PHARMACY



College of Technical Engineering 1

This College was established in 2007, it includes the Department of Computer Technology Engineering and is concerned with the study of specialized knowledge in computer technology engineering. The study is for four academic years and the medium of instruction is English for both morning and evening studies. Graduates of this college are awarded a bachelor's degree in computer technology engineering that qualifies them to practice the profession of computer engineering in the governmental and private sectors, as well as the possibility of completing postgraduate studies (Masters and Ph.D.).

Computer Applications Laboratory #1

It is concerned with teaching simulation programs such as the MATLAB software, as there are (34) portable computers of the type (ACER) used in carrying out experiments in this laboratory.

Computer Applications Laboratory #2

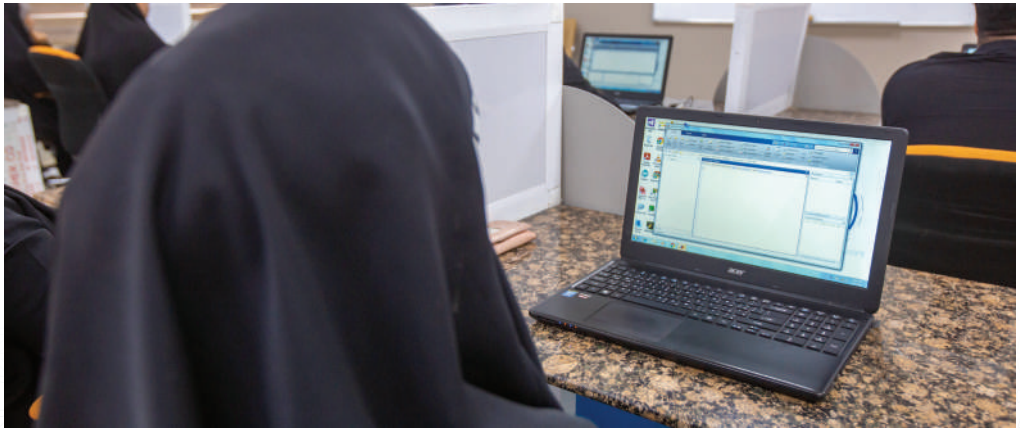
It is intended for students to master how to use different programming languages There are 37 ACER laptops available in this laboratory. The computers are used to perform experiments using programming languages and simulation programs.

Computer Applications Laboratory #3

The laboratory includes (38) ACER laptop computers, in which the student masters how to use the (AUTOCAD) software for engineering drawing.

Computer Security & Networks Laboratory

There are 43 ACER laptops available in this laboratory. The computers are used to perform experiments using programming languages and simulation programs.



Real Time Systems Design Laboratory

There are 43 ACER laptops available in this laboratory. The computers are used to perform experiments, using programming languages and simulation programs. There are 21 ARDUINO boards available with their accessories of electronic elements, sensors, and wires for this purpose.

Electrical Engineering Foundations Laboratory

In order for the student to learn the basics of electrical engineering departments by carrying out various experiments on the devices available in the laboratory, and among these devices: (Oscilloscope) and a device for generating the signal (Function Generator) and power generator device (supply Power) As well as electrical electronic boards.

Networks Laboratory

In this laboratory there are 48 ACER laptops used for the purpose of performing experiments using programming languages, application programs and simulations. There are also Nano Bridges available, TP-LINK Routers, Desktop Switches, Test Cables and SFTP, and Nano Stations.

Communications Laboratory

In this laboratory there are 8 ACER laptops used for the purpose of performing experiments using programming languages and application programs, as well as a group of devices including Board Data Communication, GSM Trainers, Digital Communication Boards, Oscilloscopes, Function Generators, Power Supply devices, CDMA Trainers, Antennas, ZigBee, and WIMAX.

College of Dentistry 2

The College of Dentistry at Alkafeel University was established in 2011. It seeks to provide the community with dentists with a high level of scientific competence. The duration of study at the College is five years in English and for morning studies only. The College graduate is awarded a bachelor's degree in dentistry, which qualifies him/her to work in the medical profession of dentistry and be able to pursue postgraduate studies (Higher Diploma – Master's Degree and Doctorate).

The total area of the College is 9000 square meters, the College consists of five floors and includes four lecture theaters designed with the latest engineering models that take into consideration the conditions of modern technologies in teaching to ensure the availability of an ideal learning environment for students. In addition to the eleven laboratories equipped with the latest laboratory equipment and materials necessary for practical application, in which safety and security rules are taken into account, the building also contains a seminar room for discussing research and a library for specialized and supporting resources, in addition to that, there are offices allotted for the teaching staff.

Communications Laboratory

In the biochemistry lab, students are acquainted, in a practical and applied fashion, with the foundations of biochemistry and the latest advanced scientific techniques for the purpose of furnishing them with adequate information about biochemistry, chemicals, and the methods of their use in dentistry.

Medicinal Chemistry Laboratory

The Medicinal Chemistry Laboratory attempts to introduce students, in a practical and applied fashion, to the foundations of medicinal chemistry and transferring the latest advanced scientific techniques to them for the purpose of enriching them with the knowledge on medicinal chemistry, chemicals, and methods of using them in dentistry.

Pharmaceutical Laboratory

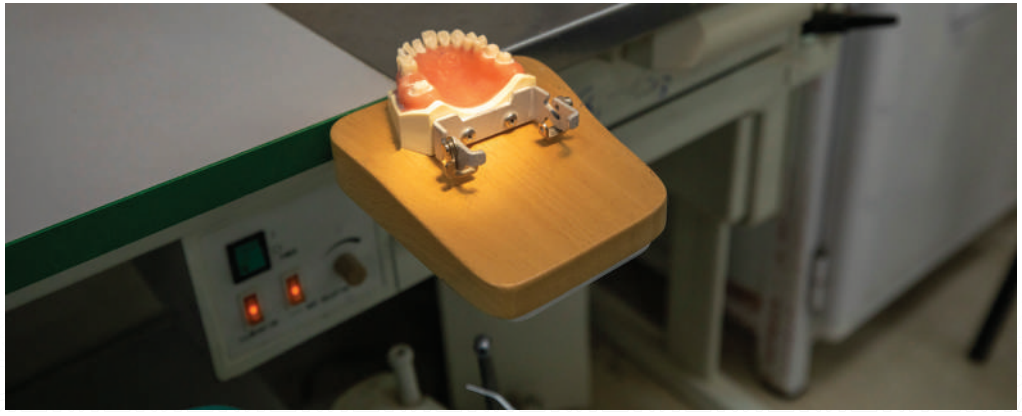
In the pharmaceutical laboratory, students are acquainted with the various medicines that are related to their field of specialization, which contributes to prescribing appropriate treatments for clinically diagnosed diseases, depending on dealing with medicines with utmost accuracy.

General Anatomy Laboratory

The General Anatomy Laboratory is used to teach students scientifically and practically with regard to human anatomy, especially with what is related to the anatomy of the head and neck and its relationship to their precise specialization as dentists.

Dental Treatment Laboratory

In the dental treatment laboratory, students are trained to make fillings, drill artificial teeth on the heads of special educational dolls, prepare the teeth for covering them with crowns, and other practical exercises that provide them with skills and a high level of professionalism in the field of specialization.



Dental Laboratory

The dental laboratory works on the basis that the students acquire theoretical and practical knowledge about the manufacture of complete dentures, applying the steps effectively and sequentially using the devices, tools, and materials necessary for this, and shedding light on the latest digital technologies in the field of dental industry and its techniques.

Medical Biology Laboratory

The Medical Biology Laboratory is keen on acquainting students theoretically, practically and in an applied fashion with the basics of life sciences and transferring the latest advanced scientific techniques to them for the purpose of enriching them with the subject of biology and knowledge of the branches and divisions of this science.

Microbiology Laboratory

In this lab, students are familiarized with the principles of microbiology and epidemics, the characteristics of general and specific microorganisms such as bacteria, fungi, and viruses. The mechanism of causing diseases by these organisms, their diagnosis, and how to differentiate between each one of these pathogens, as well as identifying the tests by which they are detected shall be introduced to students. Methods of treatment and identification of non-pathogenic bacteria (beneficial) naturally present in the human body or other places and the extent of its effects on other organisms shall also be taught to students. In addition, dentistry students are taught methods of sterilization and disinfection to get rid of pathogenic microorganisms, especially in medical clinics.

Oral Pathology Laboratory

Various tissue samples, and how to preserve them, are dealt with in this lab, with clarification of the types and names of tissue preservatives and how to make and dye slides for the purpose of diagnosing and examining tissue samples under the microscope. The possibility of displaying them on (TV screen or the screen installed on the educational microscope) is maintained in order for the students to acquire the skill of diagnosis and differentiation between benign cases and astrologically malignant as well as the external appearance and other signs of the disease.

Oral Pathology Laboratory

The General Pathology Laboratory teaches students about various tissue samples and how to preserve them, with clarification of the types and names of tissue preservatives. Illustrations are provided of how slides work, how to dye them for the purpose of diagnosing and examining tissue samples under a microscope. The types of tissue dyes and usage is addressed. Various tissue sections and the histological appearance of the disease by means of a microscope are explained. Students are trained on how to benefit from displaying images through the display device (TV or microscope screen) in order for the students to acquire the skill of diagnosis and differentiation between benign and histologically malignant cases, as well as the external appearance and other signs of the disease.

Physiology Laboratory

Students learn the basics of medical physiology as well as an introduction to the science of organ functions. Students are taught how the various organs of the body function, as well as teaching students physiological tests in practice, and helping them learn how to use laboratory devices such as pressure gauges, ECG devices, and others.

Oral Surgery Laboratory

The Oral Surgery Laboratory aim is to allow dentistry students to practice and application at a high level regarding oral surgery. Students are also familiarized with the surgical tools specific to their work in surgery as well as gaining knowledge of the types and methods of local anesthesia and the problems and complications associated with it.

Histology Laboratory

In this laboratory, care is taken that students shall learn about the general tissues of the human body, which includes the organs and systems of the body. The focus is on the tissue structures by using an optical microscope to display the tissue slides of the various organs of the body. Students shall acquire the required skills for differentiating the different natural body tissues and knowing their micro-structural details to form a base that serves the students when studying the abnormal tissues in cases of diseases and the accompanying changes in the histological nature.

Oral Histology Laboratory

In this laboratory, the knowledge of the oral tissues of humans is imparted by focusing on the tissue structures using the optical microscope and displaying the tissue slides of the mouth. Students shall be able to differentiate the different natural oral tissues and know their micro-structural details to serve as a base that helps the student when studying abnormal tissues in cases of diseases and the accompanying changes in the histological nature of the mouth.

Community Medicine Laboratory

It delivers information to dentistry students regarding the identification and measurement of oral diseases in the community to achieve the goal of controlling and preventing diseases in the community by means of preventive and extension programs.

Medical Physics Laboratory

The medical physics laboratory is concerned with experiments that confirm the basic concepts of physics and their applications in medicine, such as light, laser, study of the graphic relationship between voltage and temperature, calculating the concentration of sugar in liquids using a polarizer, knowing the concentration of sugar in a liquid by means of the liquid refractive index, drawing the electrical signal with by means of the oscilloscope. Students are also trained in the use of a pressure gauge and temperature measurement of the human body.

Orthodontics Laboratory

It seeks to prepare the students at a higher scientific level with regard to orthodontics and teaches students how to recognize the types of pathological conditions and malocclusion and to identify the causes leading to these conditions and orthodontic devices.

Dental Materials Laboratory

Dentistry students shall be introduced to the different materials that are used in dentistry in terms of their different properties and methods of dealing with them. The materials are studied in groups according to their use, either in fillings or prosthetics, whether they are used in the clinic or in the dental laboratory. The students also learn about the components of chemicals, reaction methods and their physical properties. They also learn how to choose materials for each particular case. This is an important basis for the student's future work in the clinic and for him/her to learn how to rebuild or replace teeth in the advanced stages of their college years.

Radiology Laboratory

The laboratory provides the means to qualify dentistry students practically and in an applied fashion in order to become dentists capable of reading and diagnosing radiography, how to use radiology devices accurately, and manage radiation risks.

Dental Anatomy Laboratory

The laboratory provides the means to qualify dentistry students practically and in an applied fashion in order to become dentists capable of reading and diagnosing radiograph, how to use radiology devices accurately, and manage radiation risks.

Educational Dental Clinics

The teaching clinics affiliated to the College of Dentistry at Alkafeel University are part of the educational and service system of the University. The clinics are dedicated to training students on clinical diagnosis in the field of oral surgery and periodontal diseases. At the same time, they provide medical services to auditors from different groups of society for more than (1500) references per month. The total area is approximately 2,400 m2 and it consists of four floors, the area of each floor is 600 m2, each floor includes seven wards.

The clinics vary according to the type of medical services and treatments provided, and as follows:

- The surgery clinic is concerned with extractions and various surgical procedures.
- Healing and treatment clinic specializing in simple fillings and root fillings.
- Pediatric clinic including children's treatment, primary teeth, and preventive measures.
- Orthodontic clinic specialized in diagnostics and orthodontic treatment with movable devices.
- Clinic of the dental industry and its function (partial and complete movable prostheses).
- Oral medicine clinic for diagnosing various pathological conditions and prescribing appropriate medications.
- The gingiva clinic including various periodontal treatments.

College of Medical & Health Technologies 3

The College was established in 2011, and it seeks to prepare specialized technical and supportive graduates for various medical specialties, to work in government and private medical institutions, to conduct laboratory analyses and clinicalchemical tests.The study at the collegecontinues for four years in the English language for morning and evening studies. The graduate is awarded a bachelor's degree that enables them to work in hospitals and medical and health centers, and qualifies them to complete postgraduate studies (Masters and Ph.D.). The college has three departments.

The total area of the College is 9000 square meters, & consists of five floors with four lecture theaters designed with the latest engineering models & technologies to ensure the availability of an ideal learning environment for students. In addition to the eleven laboratories equipped with modern equipment & materials necessary for practical applications, where safety and security rules are applied, offices, library and other facilities are also present at the college building. The college has three departments:

• Department of Medical Laboratory Techniques

It was established in 2011, and seeks to graduate and train students with high efficiency in theory & practice; to qualify them to work in laboratory analyzes, and conduct chemical, clinical and other tests in government and private institutions.

• Department Anesthesia Techniques

It was established in 2022, and seeks to graduate anesthesia technicians with a high ability to participate in the team clinical interventions for life-threatening emergencies in various governmental and private medical institutions.

• Department of Radiology & Sonar Techniques

It was established in 2022, to build and develop the capabilities of students from the theoretical & practical radiography science; to be qualified to work on x-ray machines & related devices, in governmental and private institutions.

Clinical Chemistry Laboratory

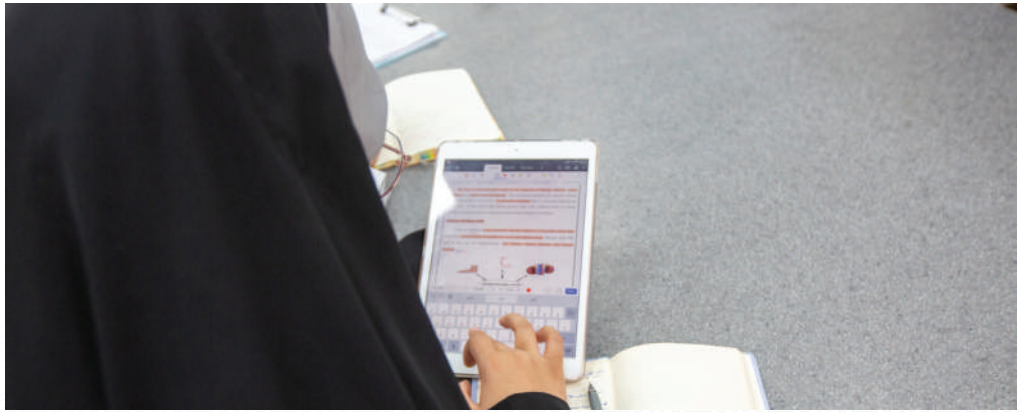
Emphasis is placed on the practical bases of laboratory tests in clinical chemistry for various diseases and the introduction of important experiments with modern technologies in laboratory diagnosis so that it gives the student a new opportunity to learn about the quality tests that will give an accurate account of the disease.

Microbiology & Bacterial Diagnostics Laboratory

The microbiology laboratory and bacterial diagnosis is a vital and important joint in the Department of Medical Laboratory Technologies because of its importance in providing students with practical skills and practical knowledge in the field of diagnosing pathogenic microorganisms. Studying the diagnosis of microorganisms that cause many human diseases is one of the important topics in diagnostic, curative or preventive medicine, as rapid and accurate diagnosis contributes to the treatment of the disease in an integrated manner. The student in this laboratory shall be able to distinguish between the different categories of microorganisms and also to conduct tests and diagnostic experiments for microorganisms.

General Chemistry Laboratory

It is one of the essential laboratories that introduce students to the basics of general chemistry in all its branches and teach them how to conduct chemical experiments inside the laboratory using technical devices with high quality specifications.

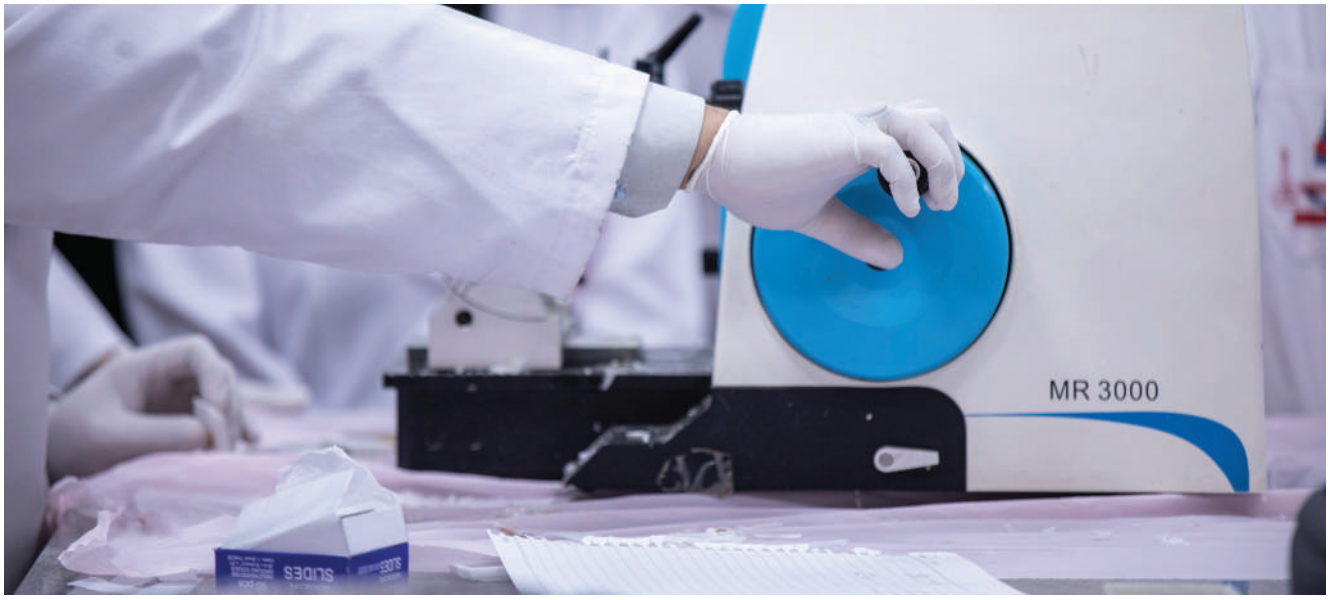


Hematology & Blood Transfusion Laboratory

The laboratory constitutes one of the essential elements in the Department of Medical Laboratory Techniques. It is considered an important basis of the scientific background of the students of the department. They are provided with means of handling the resources and laboratory devices related to blood tests and the student's knowledge of solvents and medical and non-medical ratios of blood components in addition to the changes that occur when contracting various diseases.

Medical Parasitology & Advanced Medical Parasitology Laboratory

In this laboratory, the students shall learn about parasites that have an effect on humans, shall study the diseases they cause, their transmission methods, and their host medium. Students shall learn about the parasites' life cycle and diagnosis.



Medical Technologies & Laboratory Equipment

It is one of the basic laboratories in the Department of Medical Laboratory Technologies, and is an important basis in providing students with information about the most important equipment, techniques and laboratory materials used in diagnosing diseases related to human health such as blood diseases, hormones, enzymes and body organ functions (kidney function tests, liver, lipids, blood tests, urine and general discharge) as well as the diagnosis of microorganisms using the latest technologies.

Immunology Laboratory Laboratory

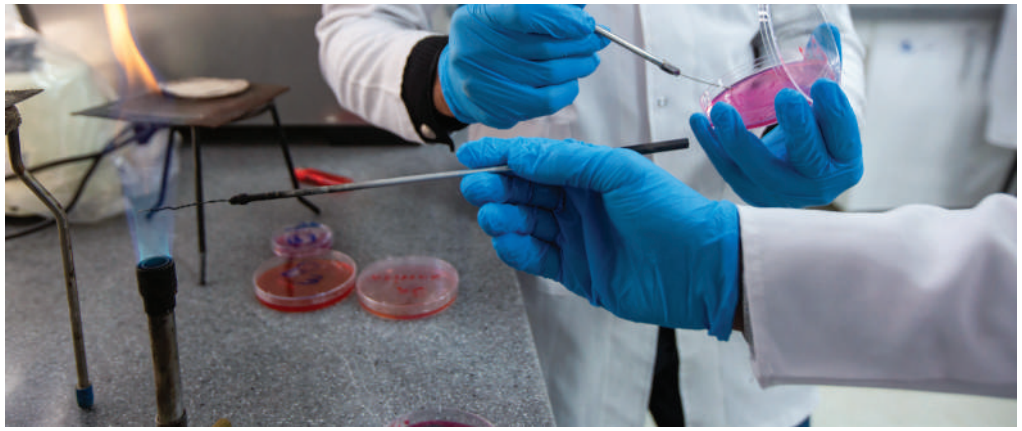
The general objective of this laboratory is to familiarize the students with the nature of the work of the immune system and its cells, the pathological conditions that are related to the work of the immune system and their diagnosis, the mechanism of conducting immune tests, and how vaccines work for the purpose of preventing diseases.

Anatomy & Histology Laboratory

The study in this laboratory enables the students to familiarize themselves with the basic medical information of anatomy as a cornerstone in the assimilation of clinical sciences. Students shall learn about the structure and organization of the human body and the composition of its various organs. The laboratory also seeks to introduce students to the different tissues of the body and differentiate between their types, as well as knowing how tissue samples work when seen under the microscope.

Viruses, Fungi & Human Biology Laboratory

This is an essential laboratory that introduces students to the basics of human biology, which includes the study of many living organisms and knowledge of their relationship to the environment and their relationship to each other. Medical fungi and viruses are studied and the diseases they cause to humans, methods of transmission and diagnosis.



Genetics & Molecular Biology Laboratory

The student is acquainted theoretically, practically and in an applied fashion with the foundations of medical genetics, genes, genetic engineering and the methods of using them in technical medicine, as well as some diseases that can be transmitted from parents to children caused by genetic mutations, as well as diagnosing diseases at the genetic level.

Histopathology Laboratory

It seeks to introduce students to the basics of histological pathology and the medical terminology used in this science in terms of diseases related to body tissues, as well as how to prepare samples using devices available inside the laboratory such as a tissue cutting device and examine them inside the laboratory to detect and diagnose histological diseases.

Physiology Laboratory

The physiology laboratory is one of the important laboratories in identifying the components of somatic cells and the various blood components and knowing how to measure the physiological parameters of the human body.

College of Pharmacy 3

The college was established in 2016, and it seeks to prepare scientifically efficient pharmaceutical students, capable of providing the highest levels of pharmaceutical and medical services and keeping pace with scientific developments. The study at the college continues for five years in English for morning study only, and the graduates are awarded a bachelor's degree in pharmacy, which qualifies them to practice the profession of pharmacy and complete postgraduate studies (Higher Diploma, Masters and Doctorate).

The total area of the collegebuilding is 9,000 m2 which consists of five floors,including four lecture theaters designed in accordance with the latestengineering models, with nine laboratories equipped with the state-of-artequipment, devices and modern laboratory materials. These laboratories have been built in a manner that takes into account the prevention and safety of chemicals and their resulting interactions during conducting practical experiments. The building also contains a library to benefit from the academic curricula and scientific resources in the field of specialization. Offices for the academic and professional staff are available as well as prayer and social rooms for students.

Pharmaceutical Chemistry Laboratory #1

In the laboratory, the student acquires pharmaceutical expertise by adopting advanced technologies, in terms of the mechanism of drug action and the foundations of medicinal chemistry by discovering and developing prepared treatments.

Pharmaceutical Chemistry Laboratory #2

This laboratory seeks to keep abreast of recent developments in the methods of the pharmaceutical industry, as it is equipped with modern manufacturing and examination equipment in accordance with international quality standards.

Physiology Laboratory

The Physiology Laboratory is one of the important laboratories for the students at the College of Pharmacy, as it provides practical training in performing complete blood tests, blood clotting tests, measuring blood pressure and glucose concentration, and other tests and evaluating the entire body functions.

Microbiology Laboratory

The Microbiology Laboratory is designed for the purpose of assisting in the diagnosis and treatment of infectious diseases by culturing different samples, monitoring bacterial growth and conducting many tests on them in order to determine the type of microbes and the appropriate antibiotic to treat them.

Clinical & Biochemistry Laboratory

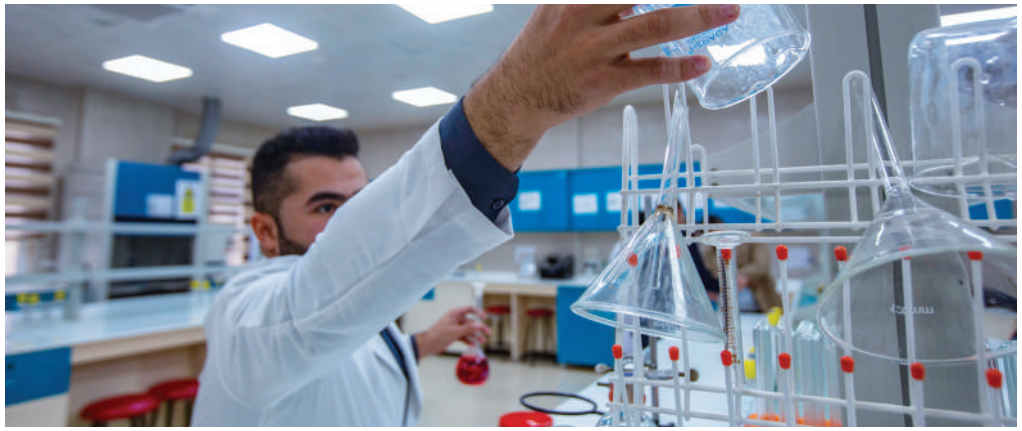
The laboratory seeks to teach students how to detect biomolecules such as enzymes, proteins, fats and sugars, as well as the relationship of these biomolecules to, and their role in, the life of the organism. The biochemistry and clinical chemistry laboratory also allows the student to be acquainted with the most important clinical analyses and related diseases and how to detect them with modern technologies.

Clinical Pharmacy Laboratory

Students learn how to enhance the pharmacist's communication skills with the doctor and patient and implement therapeutic drug control practices in patient care to design a specific drug regimen. Therapeutic Drug Monitoring & detailed explanation of the side effects of drugs and the interference of different treatments, the dissemination of medical and pharmaceutical information and understanding its applications to various medical conditions is taught. In the end, the student shall be able to clarify the necessary information regarding medicines using solid pharmaceutical and medical sources.

Clinical Pharmacy Laboratory

The lab aims to introduce students to the importance of products derived from natural plants in the field of biomedicine, evaluating the active components of plants, the use of extraction methods and pure material separation using different types of modern technology, plant tissue culture, as well as medicinal and poisonous plants.



Computer Laboratory

The lab aims to teach students how to access information and quick search at any time and from anywhere. The Internet provides many examples, problem solutions, and ways of help that students need to excel. The students may enter the computer lab at any time, use the Internet, and send assignments, reports, and various activities.

College of Medicine 5

It was established in 2022 to be the first established college in the Governorate of Al-Najaf Al-Ashraf, in order to prepare a medical cadre capable of assuming the responsibility entrusted to it, with its scientific skills and professional and ethical behavior. Contributes to providing the community with efficient medical cards, the graduate of which is granted a bachelor's degree in medicine and general surgery, and qualifies him to join his peers in public universities The public sector in government hospitals, as well as the private sector, and the completion of postgraduate studies, and the exact medical specialization after that, and the study in it is in the language of employment on English for six years and for morning studies only.

The college is located in the first educational complex of Alkafeel University. The total area is 13,000 square meters. It contains classrooms designed according to the latest international designs and equipped with it is equipped with the latest educational means, with 6 halls, each with an area of 265 square meters, and 16 halls with an area of 133 square meters, and the number of scientific laboratories is 18, in addition to offices for faculty and college administration.

Anatomy Laboratory

The laboratory is available to provide students with knowledge and skills about the components of the human body and enable them to see the organs of the human body by displaying them in the form of small figures or study the plastic bodies available in the laboratory and use the smart table to know and study the minute details of all the organs of the body.

Biochemistry Laboratory

The laboratory is available to teach students the correct way to deal with laboratory equipment and chemicals, and to identify the most important components of the human body and its chemical changes, as well as develop students' skills to understand the biochemical interactions and functions of the various organs in the human body and to use laboratory methods to monitor the biochemical reactions of pathological samples.

Computer Laboratory

The laboratory is available to teach students all computer-related programs of importance in giving presentations, preparing scientific reports, and using computer skills in drawing data. fees, as well as their need, in their various stages of study, to use programs in conducting medical research from databases and drawing statistical results from them

Medical Physics Laboratory

In the laboratory, students learn about practical experiments dealing with the field of mechanical, electrical, and optical physics and their medical applications. Students learn about measuring devices and calculating accuracy and error rates in the device.

Skills Laboratory

In it, students can view some clinical cases through models prepared for this purpose, and study the clinical relationship with the physiological and anatomical analysis of these cases, as well as giving an opportunity for students to conduct some activities and clinical skills. (clinical skills) Such as placing the stomach and drawing a sample of blood and giving nutrients to the patient and suturing wounds, and getting acquainted with the principles of laparoscopic surgery. It is also easy for students to view some physiology cases in a simplified and organized manner and electronically (computerize). Such as the nervous system, the work of the kidneys, the work of the heart and other conditions or functions.

Life Sciences Laboratory

The laboratory is interested in studying the cellular and tissue structures and their functional importance, in addition to studying the basic principles for diagnosing organs and tissues at the precise levels by Through microscopic examination of slides and samples to understand the functional and clinical correlations of each organ and to build a basic information base regarding the apparent knowledge of human structure.

Extra Utilities 6

The university educational complex contains other buildings that provide various services to students, including:

Student Clubs

The complex contains two student clubs, each of which contains a hall dedicated to serving meals and a place for students to rest, both are monitored periodically to ensure the intactness of the provided services.

Printing and Photocopying Office

The first educational complex contains an office for printing and reproduction to provide library services to students.

In addition, the educational complex is characterized by the abundance of green spaces and gardens, which include various trees, rare plants, and various seasonal flowers, which are continually maintained by the agricultural nursery located at the university dedicated to the cultivation of natural plants, in addition to spaces designated for parking the university employees' vehicles.

Second The Satellite Campus

It is located in the City of Kufa, in the Street of the Venerable Companion Maytham Al-Tammar, Allah's peace be upon his soul, housing the College of Law. The total area of this campus is 5450 square meters and includes a 7 floors main building with lecturing halls, scientific laboratories and lecture theaters as well as an outdoor restaurant, offices, library and social and prayer rooms for students. The total green area is 4450 square meters.

College of Law

This College was established in 2004, and it is concerned with studying law in its various fields (Iraqi and comparative laws and legal legislations) There is also practical training in Iraqi courts. The medium of instruction in the College is Arabic for both morning and evening studies. Graduates of this College are awarded a bachelor's degree in law after completing four academic years. Thus, this qualifies them to work in the legal field such as the legal profession or to work as a jurist in government and non-government institutions. The graduate may complete postgraduate studies (Masters and Ph.D.)

Affiliated Buildings

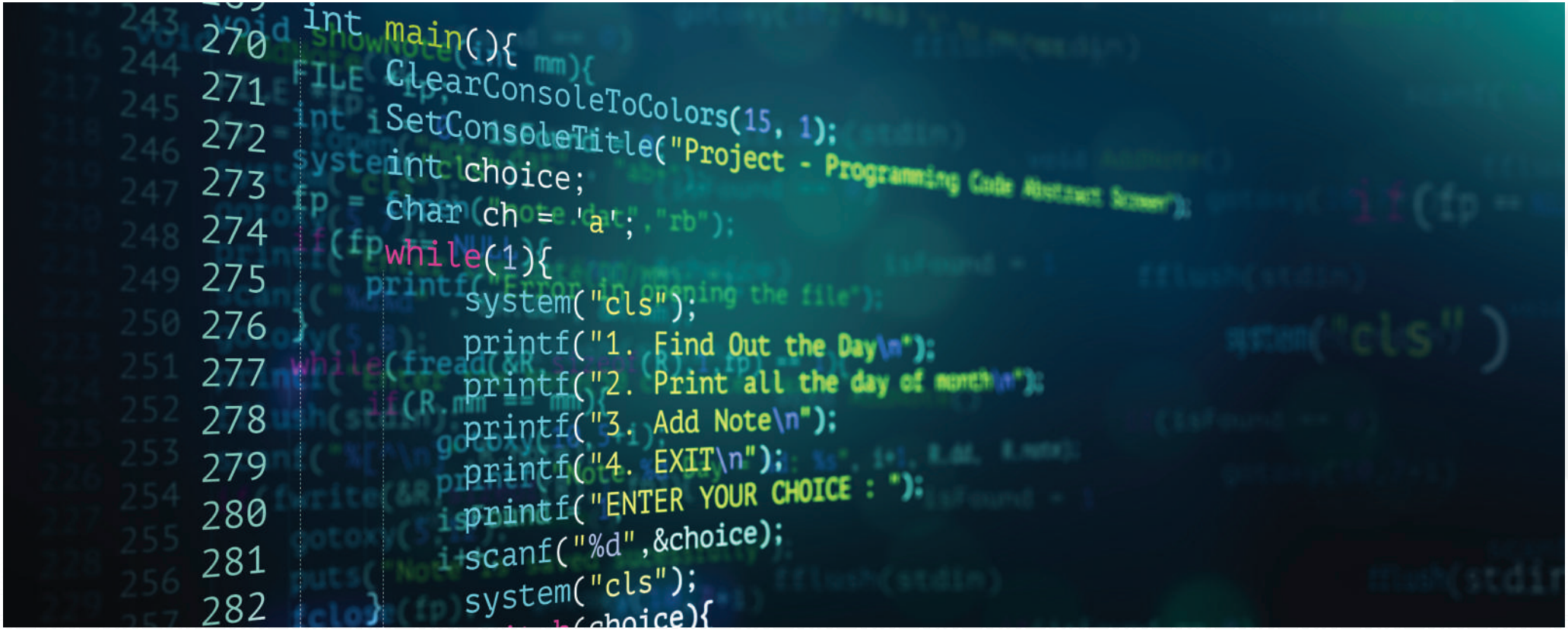
AlKafeel Center for IT 1

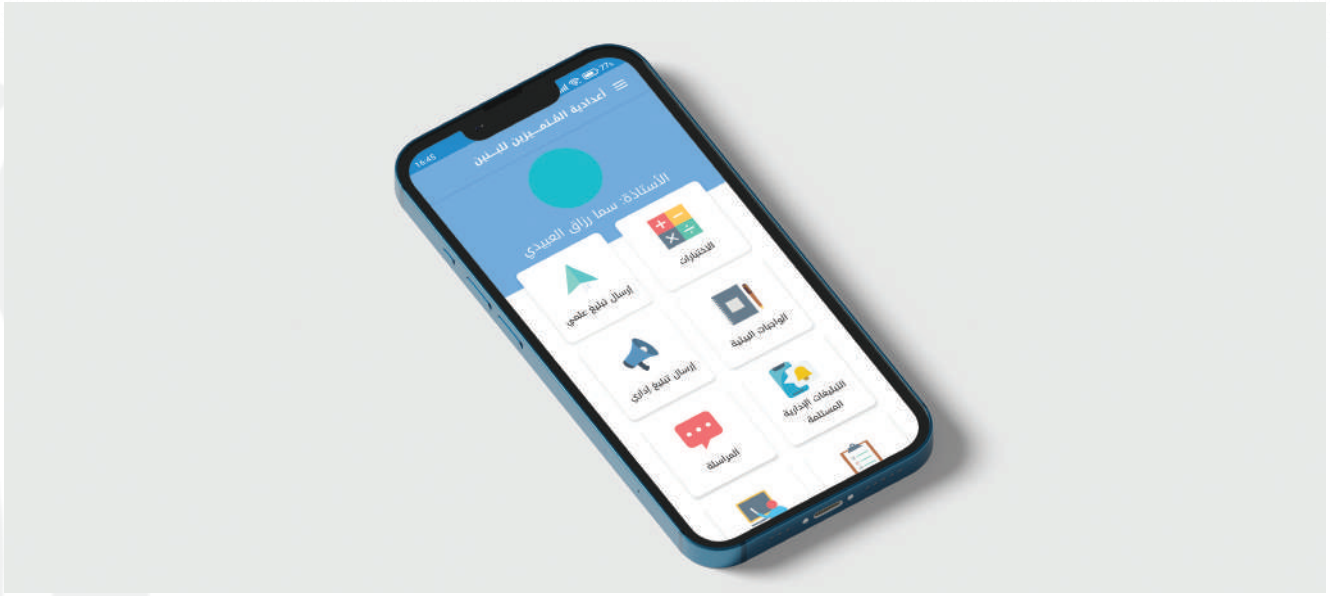
Alkafeel Center for Information Technology is one of the technical centers of Alkafeel University. It was established in order to keep pace with the technological development in the field of information technology. The Center works on designing and programming applications that work in building E-government, such as E-learning applications and systems, hospital management applications and systems, human resources management, electronic archiving systems, and other systems applications that fall within the field of information technology. Moreover, the Center is keen on developing and increasing the experiences and skillsof Iraqi youth who work in the field of specialized computer programs. The Center is officially approved by the Iraqi Media and Communications Authority.

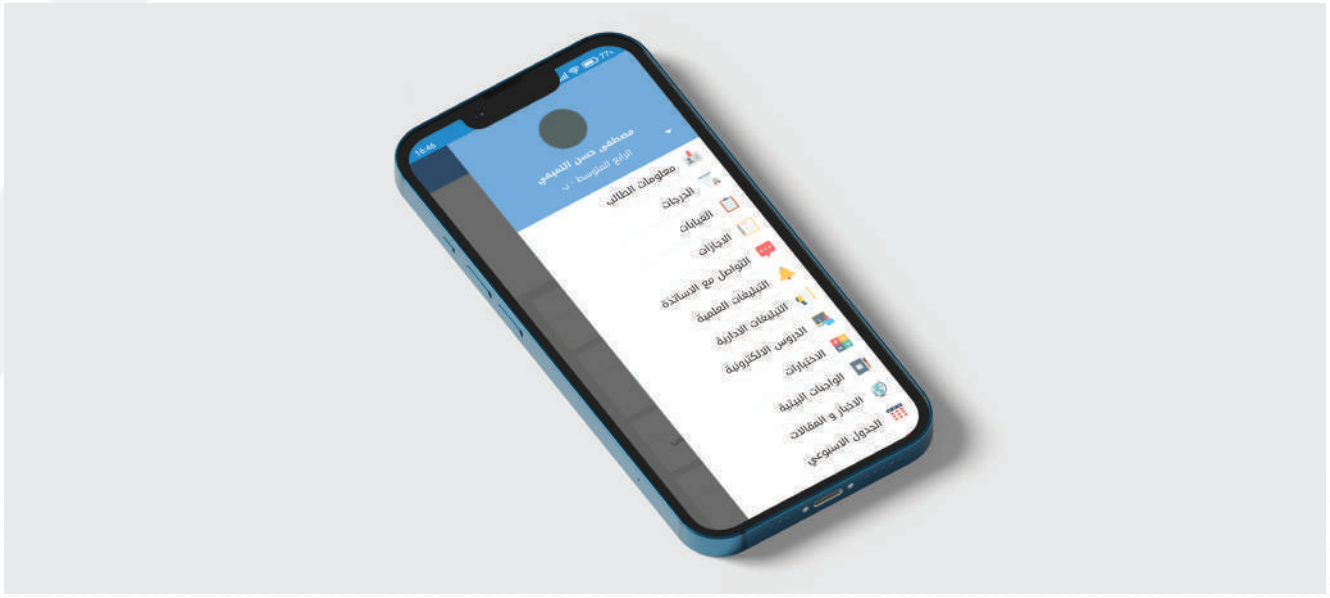
The Center was established in 2012 as one of the institutions affiliated to Al-Abbas's (PBUH) Holy Shrine, and then was affiliated to Alkafeel University as a technical center of the university on the 25th of March 2021. The main building of the center is located in the holy city of Karbala, near the governorate building, and it contains many offices, labs and training rooms. Software programmers are also equipped with the latest technologies and supplies. In addition to administrative departments and the logistical support and maintenance departments. The second branch of the center is located in Al-Najaf Al-Ashraf city in the Almortadha Building Complex. The offered services include:

E-Systems & Software Service #1

This service is concerned with analyzing,designing,and building software systems according to the latestapproved global technologies, which provide unlimited services in many governmental and private institutions and departments. Among these systems are:

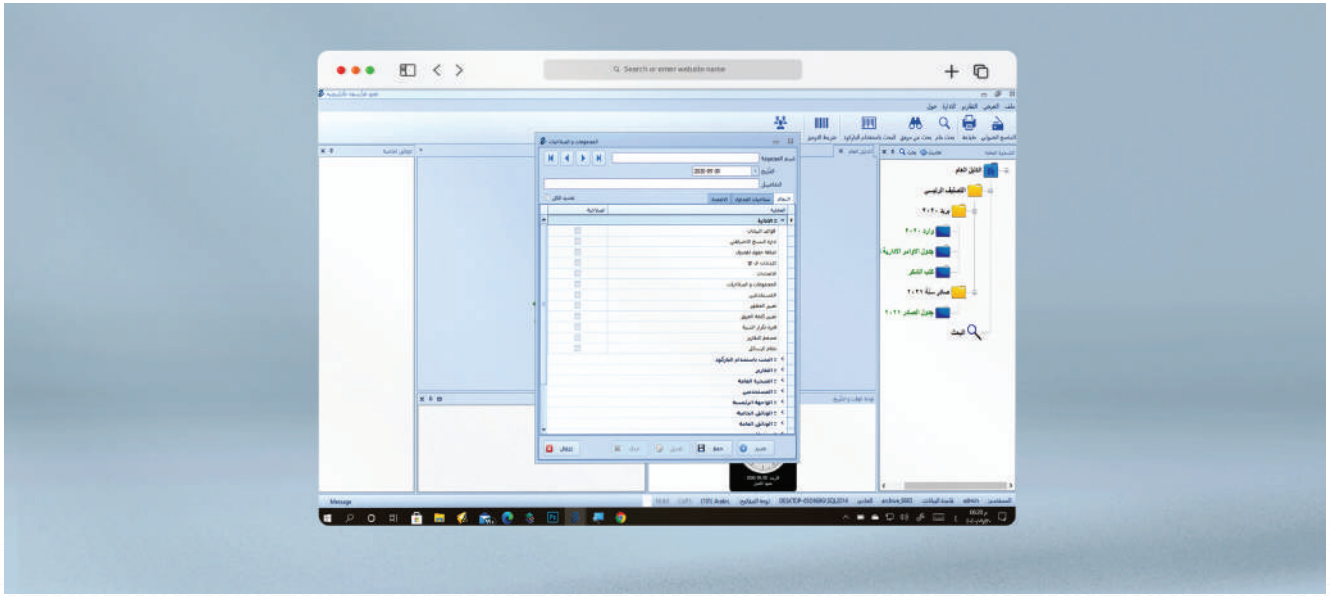






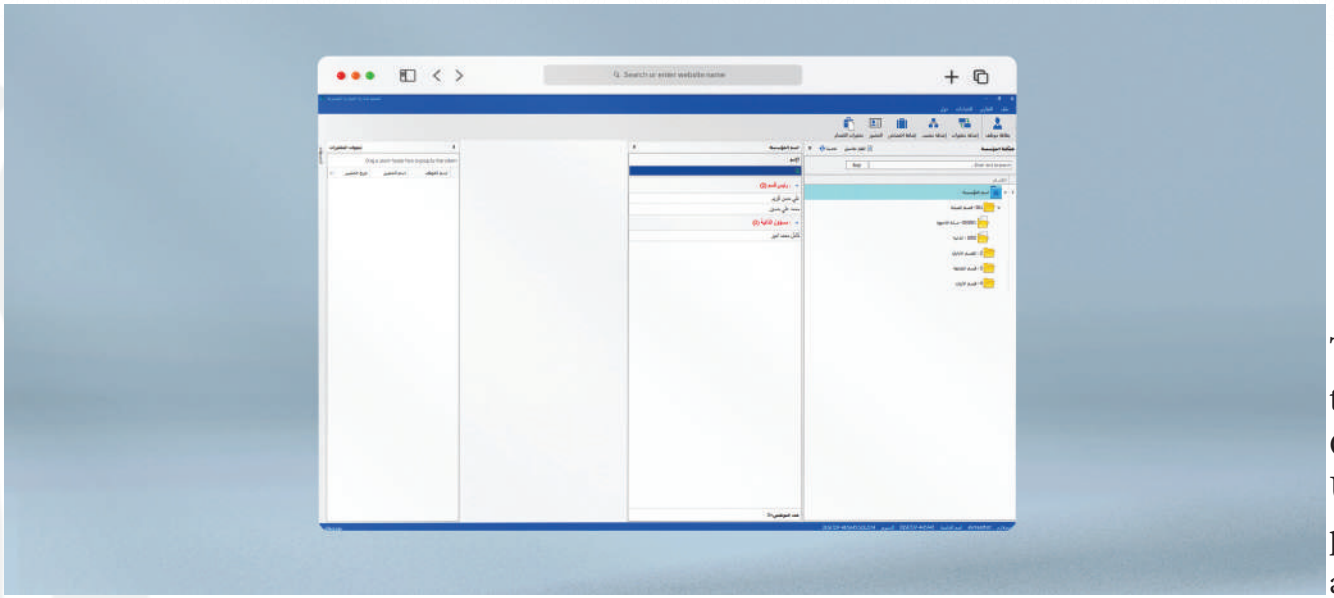
Al-Siraj Educational LMS

The system was created in 2014. It is a portable and integrated electronic school. It is completely designed and programmed by Iraqi designers with extensive experience to meet the needs of all Iraqi educational institutions, such as primary, middle, and secondary schools, institutes, and others, with its interactive lectures and electronic tests. The Iraqi Ministry of Education approved and used it as an official platform for public and private schools, starting from the academic year 2021/2022.



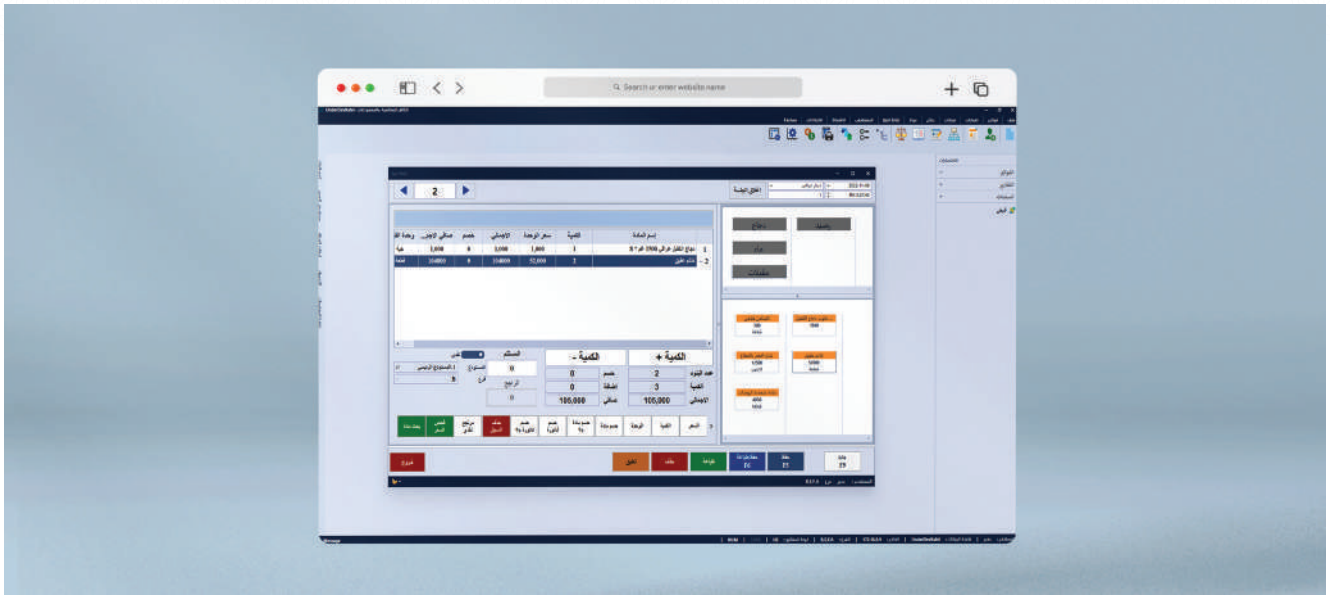
Al-Joud System for Electronic Archiving

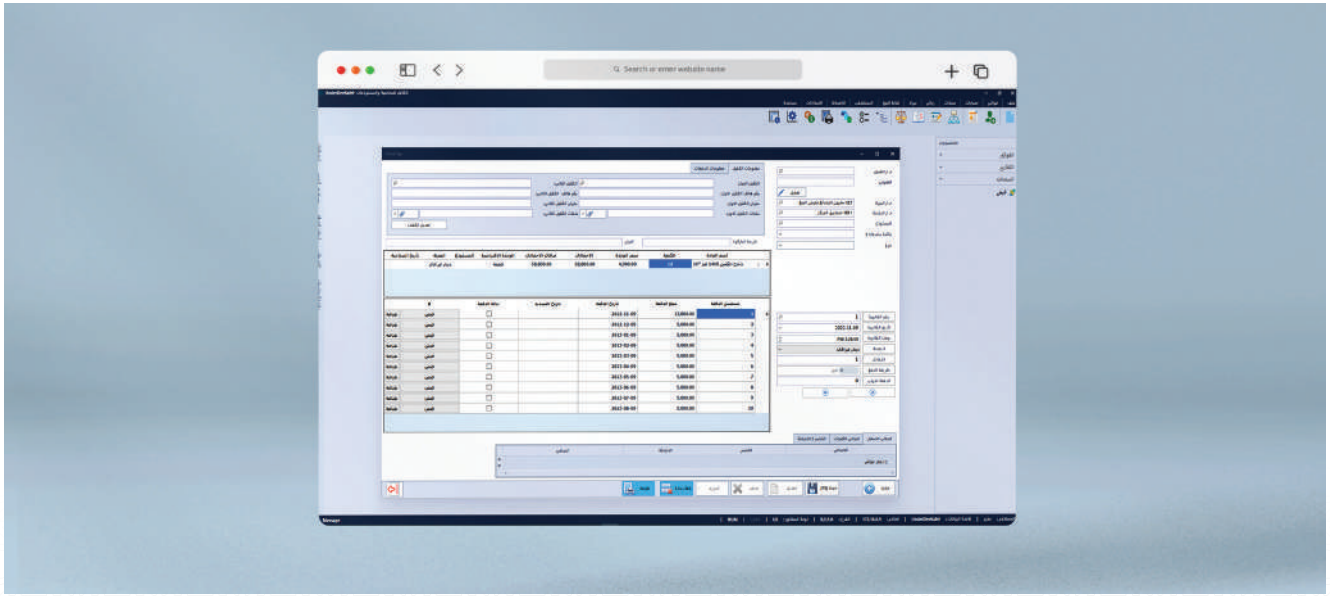
The system was created in 2015. It is a system that archives all documents electronically and works to convert documents of all kinds and in different formats and extensions such as (JPG, TIF, PDF) and other extensions into electronic documents that are stored and archived electronically within the computer system and within the system specific classifications. The files can be viewed and browsed when needed. There are more than 370 copies of this system operating in various government departments and ministries, private companies, and educational institutions.



Al-Ameed Human Resources Management System

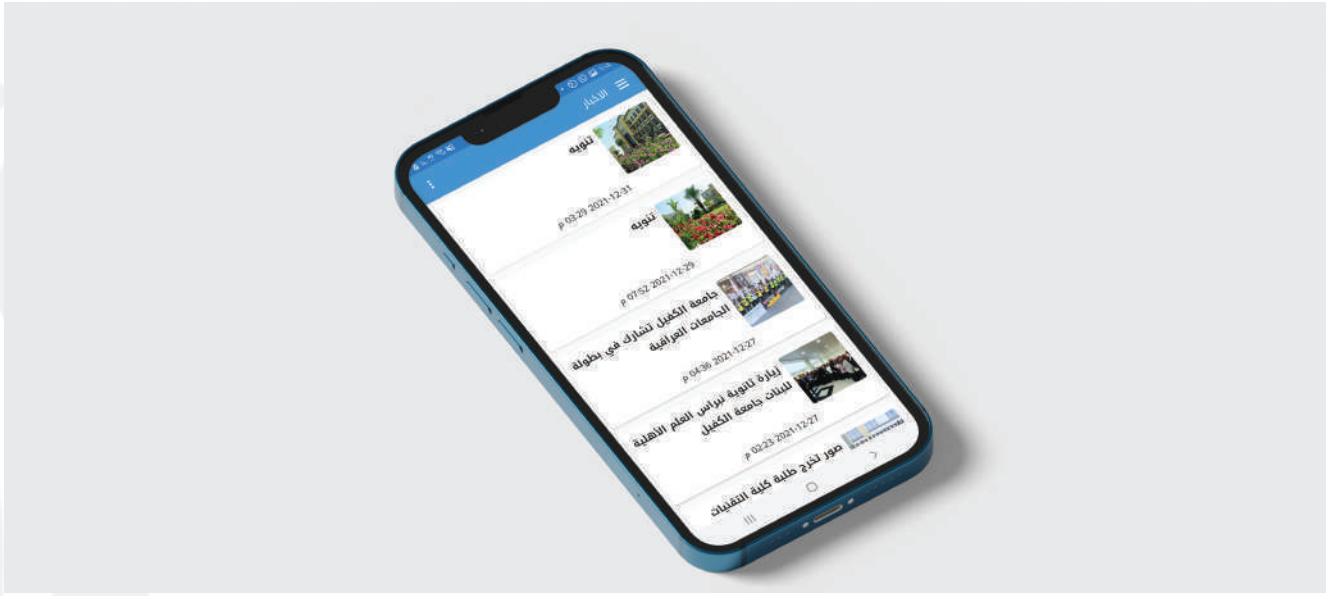
The system was created in 2015. It is one of the most important products of Alkafeel Center for Information Technology of Alkafeel University. This system is used to follow up personnel affairs in large and small companies and institutions in terms of processing employees' financial and administrative information, as well as processing all kinds of vacations, overtime, and delays, and calculating them automatically. This is performed through the connection with different attendance monitoring devices directly (Fingerprint Time & Attendance Devices) and without the need for intermediary programs, as well as issuing payroll statements and coupons and other financial operations. This system has been applied in many government and private institutions as well as educational institutions.

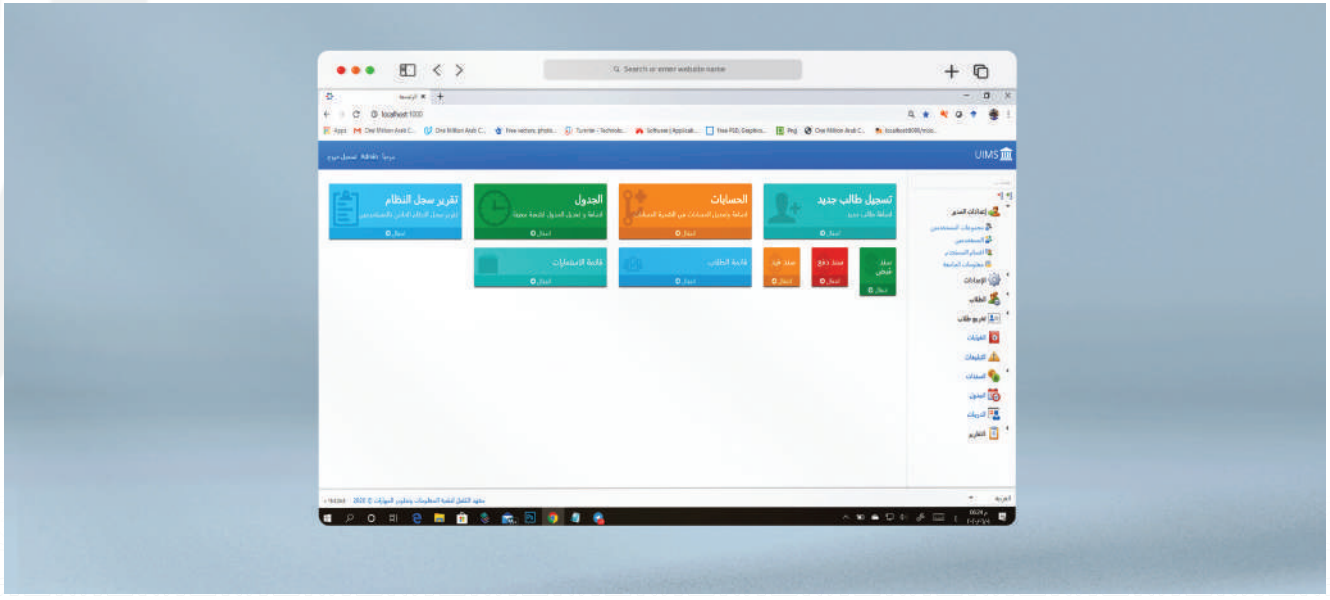




Al-Kafel System for Accounting and Storing

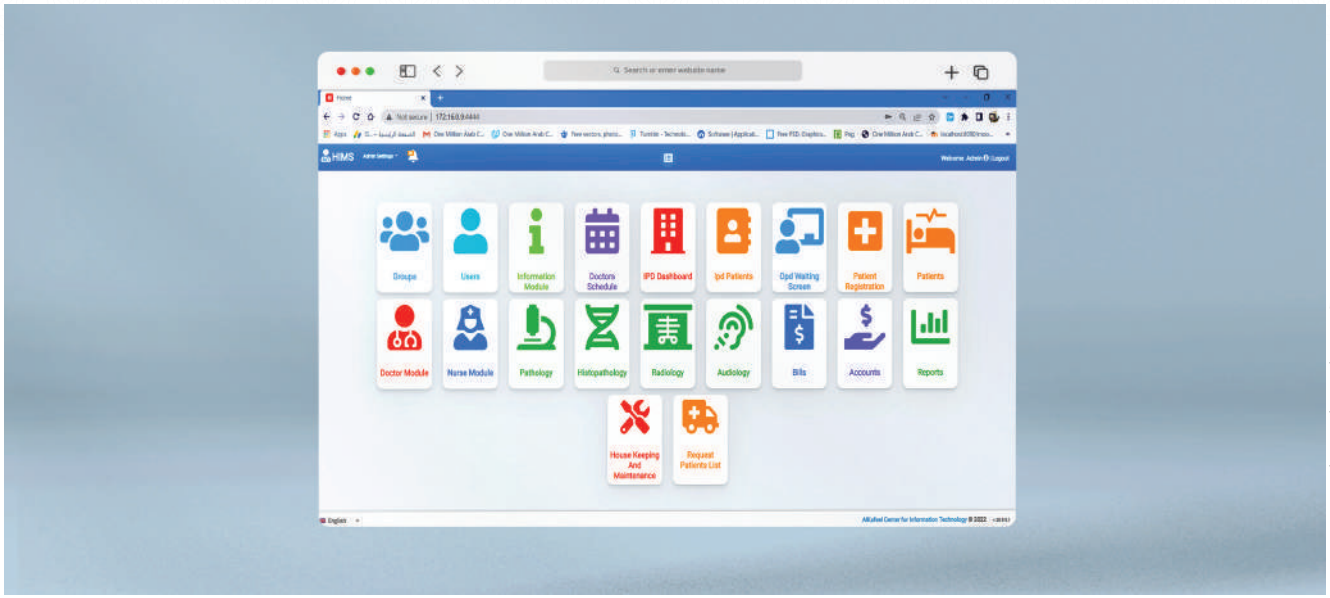
The system was created in 2015. It is an advanced service system that allows its users to have complete control over all accounting operations, storing management, and organizing salaries and wages easily and quickly, based on the unified accounting guide in Iraq. It is also characterized by flexibility in terms of settings and various powers in all its departments. It should be noted that there are more than 250 copies of this system working in various government departments and ministries and various private companies.

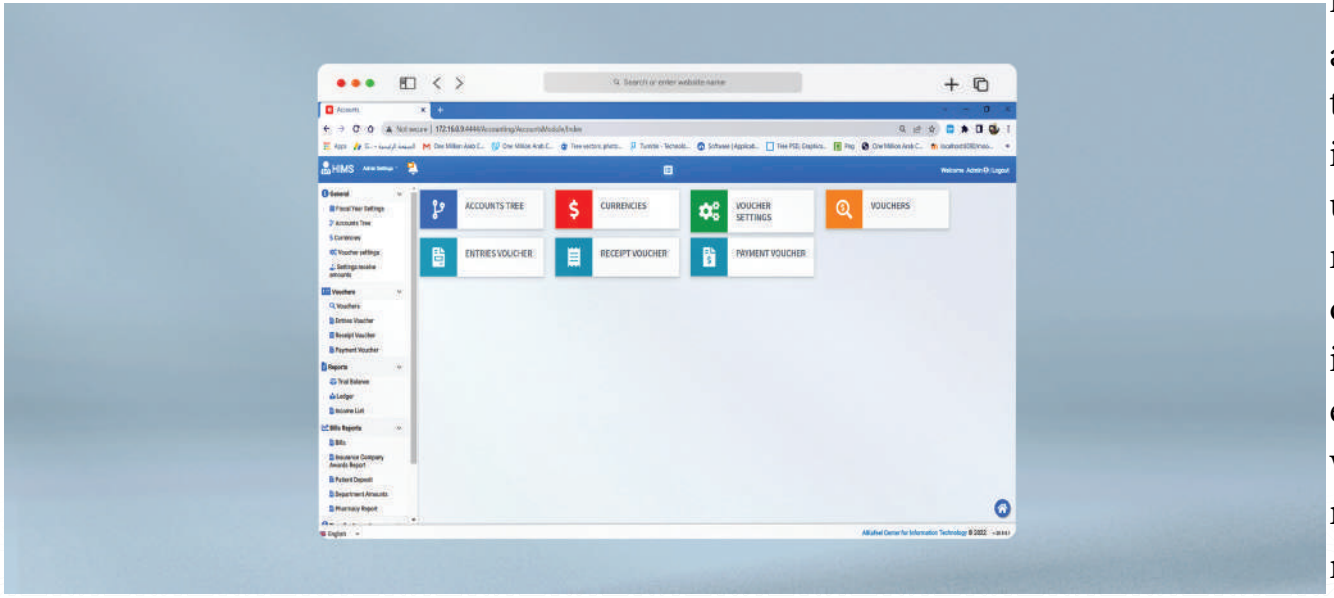




Al-Siraj System for Universities Management

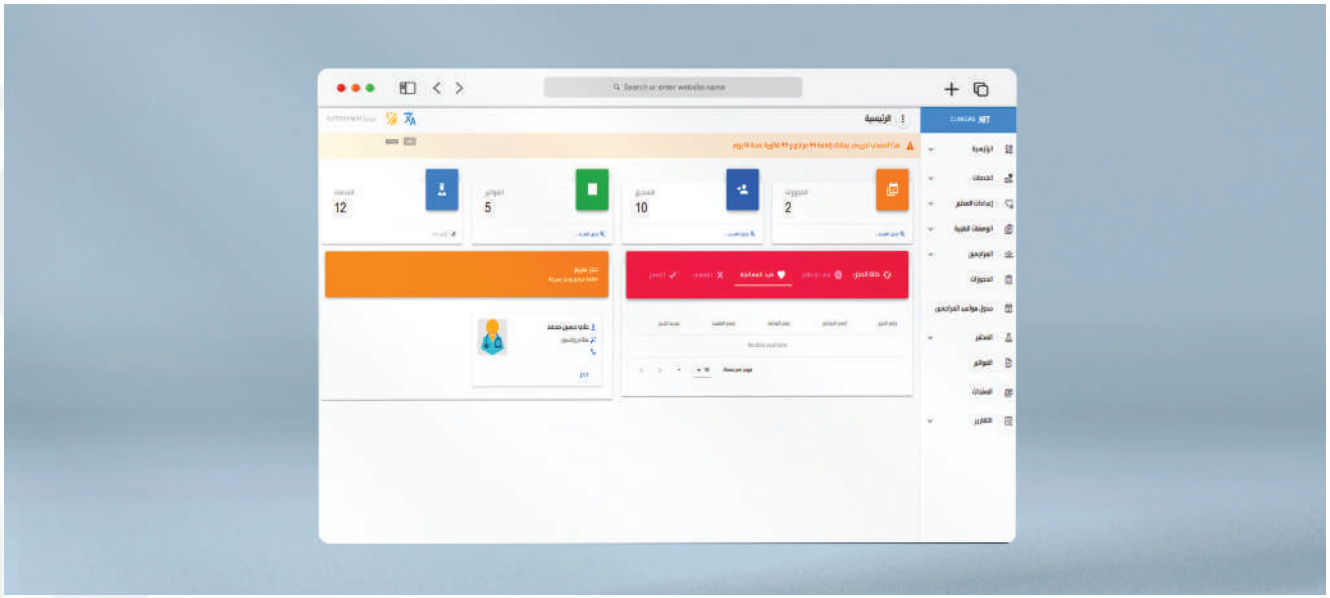
The system was developed in 2017. It is an integrated platform, a mixture of Students Management Information System (SIS) with E-Learning Systems (LMS). Its aim is to manage with detailed personal information of students as well as university information, the related data about the subjects and offered courses, classes, educational resources, academic reports and statistics, Online exams, communication between the professor and students by emails and sending electronic lectures and receiving reports and electronic tests, in addition to other activities. This system has been applied completely at Alkafeel University since 2019, and currently by other universities.

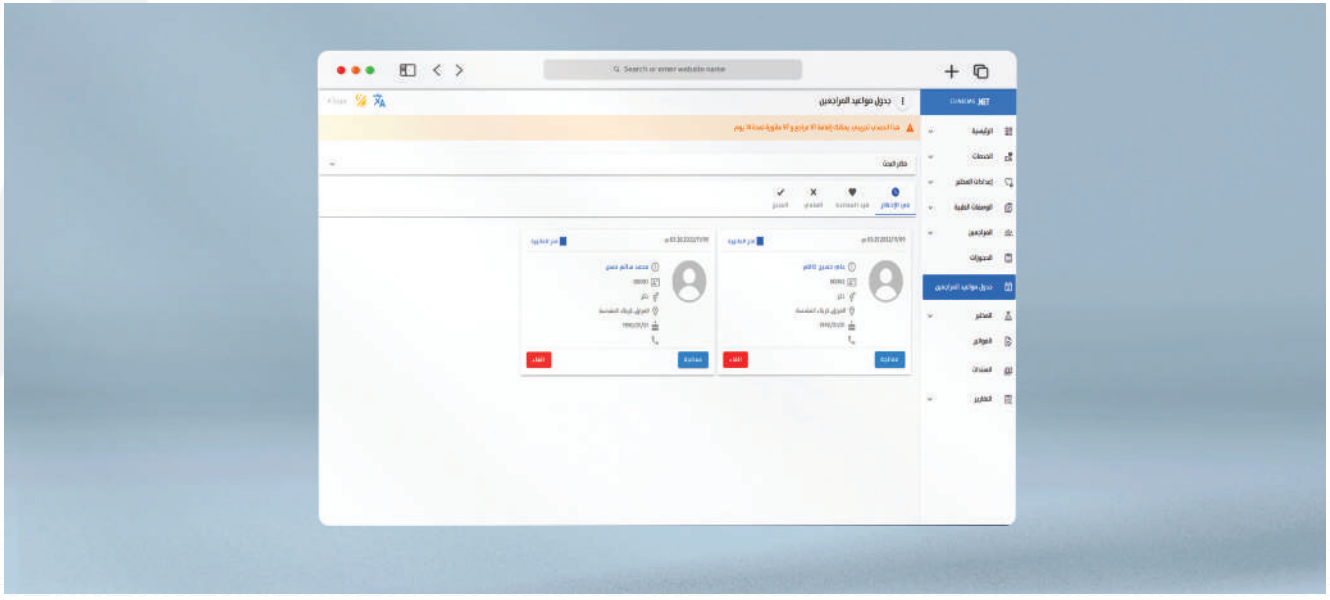




Hospital Management System

The system was developed in 2020. It is the first unique E-health system in Iraq to manage hospitals. It was applied for the first time in Alkafeel Specialized Hospital. The function of the system is to store and manage patients data, issue identification documents, and create a medical records. It helps in facilitating the follow-up of the patients' condition and issue a report on their health condition upon leaving the hospital, as well as managing health insurance operations and dispensing treatment by pharmacies inside the hospital. The system ensures ease and smoothness in dealing with data, thus saving time and effort necessary to store data for long years and retrieve it at any time very quickly.





Medical Clinics System

The system was developed by the center in 2021, and it is one of the important e-systems in specialized medical clinics to organize patients' information and reservations for their visits to the medical center through the schedule of daily and weekly visits. It is also used to keep the prescriptions that are dispensed to patients, as well as issuing reports of the treated cases.

Web Hosting and Technical Support

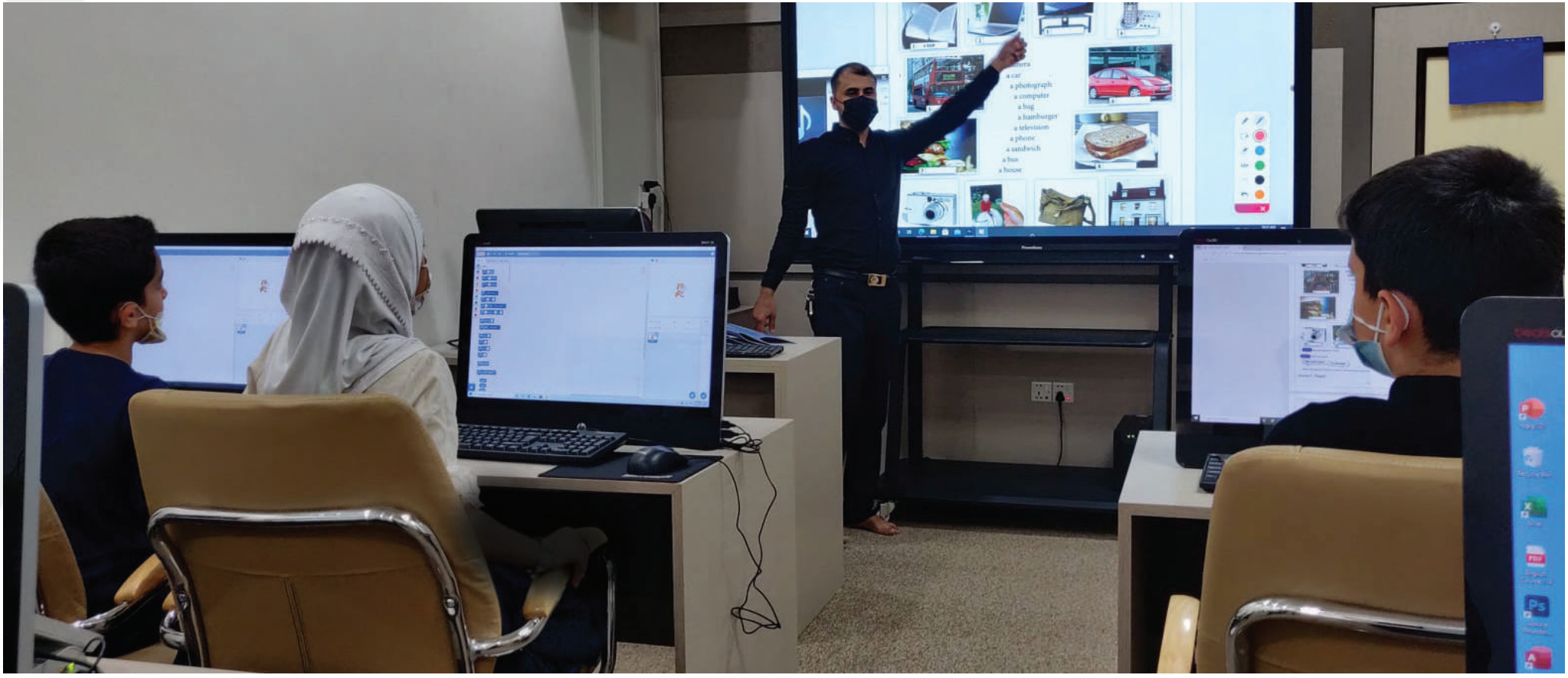
Service #2

Through this service,storage space is provided on private localand overseas servers that are of high specifications.It is connected to high-speed Internet in special data centers that are secured from fires and natural disasters.These spaces provide additional services such as sending and receiving emails, a server to store databases,and software to translatethe site code into a language understood by the browser and the recipient. In addition to providing protection systems, the center also provides server reservation and management services, the reservation of global domains and the (IQ) domain for Iraq. The Center is officiallyapproved by the Iraqi Media and Communications Authority.

Professional Courses & Training

Service #3

The Center offers a series of specialized courses in the use of computer programs, as well as training courses in modern languages such as English and other software and programming languages and soft skills.



International Tests Service #4

The Center is an authorized agent of Pearson View International. It offers a number of tests in the academic, scientific, and preparatory fields around the world. Pearson owns more than 300 agencies for other international leading companies in various scientific and technological fields such as Adobe, Microsoft, CISCO, and Esri. The tests include:

- Adobe Test
- Android Test
- C++ Institute Test
- Check Point Software Technologies Test
- Cisco Systems Test
- CompTIA Tests
- Dell Company Tests
- Ericsson Company Tests
- Esri Company Tests
- Kali Linux Certified Professional Test
- Microsoft Tests
- Oracle Certification Program Tests
- Nokia Solutions and Networks Test

Languages Teaching Unit 2

The unit is the exclusive agent in Iraq that grants the international SAMFA certificate for Persian Language Education at Ferdowsi University / Mashhad, which is representative of eleven provinces in central and southern Iraq and specializes in setting up courses for the general segments of society wishing to obtain the certificate; Because it is one of the requirements for completing postgraduate studies in the universities of the Islamic Republic of Iran, and the duration of the courses is only six months, in which the lectures are given by specialized professors from Ferdowsi University.After that, the participant takes a comprehensive exam. The language teaching unit was established in 2015. The main purpose of these courses were to facilitateand encourage students who wish to complete their primary and higher education in Iranian universities. The nature of the tests that the unit evaluates is called (Samfa Azmoun Jameh) and it is the comprehensive exam for the Persian language of Ferdowsi University of Mashhad.

The University's Systems and Software

The Communications Division in the Projects department of the Al-Abbas Holy Shrine has designed a series of systems that serves the University's educational process to provide high-level services to students and teachers alike. The Information Technology Department at the University of Alkafeel has offered a range of programs that goes into administrative governance. These are:

First

Electronic Systems

The University utilizes a range of e-systems to manage many scientific projects, administrative, and logistical tasks that ensure the mechanism of operation of the University. The system is maintained in accordance with standards of international quality. These systems include:

E- Infrastructure

For the purpose of connecting electronic systems deployed in the buildings, lectures halls, laboratories, and offices of the University, a large photovoltaic infrastructure system has been designed and implemented linking the Information Center to the rooms of electronic systems (Hub Rooms) deployed throughout the University's sites. Approximately 12,000 meters of copper wire and approximately 8,000 meters of optical and electrical cables were used to complete the system.

Internet Systems

1. Internal Network System

Intranet is a very large internal network consisting of 72 Access-Points to operate mobile devices and hundreds of Keystone Dual to connect computers and phones in all of the University's buildings. This system is sufficient to accommodate the conecction of thousands of students and hundreds of teachers to meet the University's need for this vital issu for the next 10 years.

2. External Network System

An integrated system consists of modern servers, Firewall systems, and routers supported by blocking and content regulation. Streaming Internet service through wireless access devices is used to broadcast the Intranet itself is fully programmatically separated, cost-saving, energy-saving, and establishing easy communication and mobility between networks.

Communication Systems

Wire Communications System

A state-of-the-art IP PBX with voice-over IP (VOIP) technology has been installed with a capacity of 800 lines with the installation of approximately 150 ordinary and video-type digital phones. These systems have been linked to the telephone system in the Exchange of the Al-abbas holy shrine using an encrypted VPN.

Wireless Communications System

Radio telecommunications equipment has been installed and programmed for campus security employees as well as service and support units at the university to facilitate the completion of various and multiple works at the university.

Security Systems

Cameras and surveillance system

The surveillance center is designed with approximately 1,000 cameras. The Centre has a radio communication station to communicate with the rest of the University's colleges, and nearly 700 digital cameras have been mounted throughout the University as well as video recorders and storage space of up to five months. Computers have also been provided with special programs for the professional management of the system.

Electronic Locks System

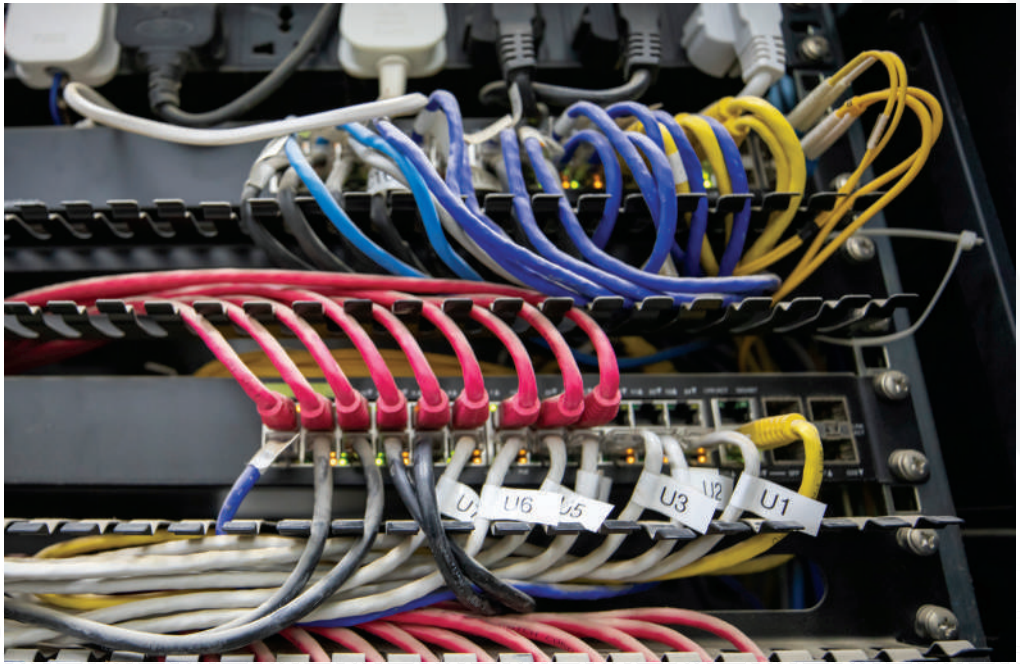
Electronic locks have been mounted on all doors of laboratories and exam committees operating with encrypted magnetic card technology. A software system has been set up for programming cards for opening electronic locks.

Electronic Gate system

The electronic system controls the entry and exit of vehicles from the University's main gates. It opens and automatically closes the beam for Radio Frequency Identification (RFID) card-authorized vehicles

Cloud Computing System

Alkafeel University prides itself on operating its own cloud computing system. Private Cloud Computing is one of the latest technologies in the world. This technology provides the user with access to the University's available electronic applications and services. It provides information resources such as space for data storage, backup, and self-synching of files without implementing the user's computer specifications. This technology reduces the cost of building and maintaining the information center and uses Virtualization Technologies, which help save energy, cost, and space in the information center. These are, therefore, a green and environmentally friendly type of technology. Alkafeel University system was built using the latest servers, software, and storage systems which exist in the Middle East.



Solar Power System

The solar power system provides approximately 50KV renewable electric power that will be used. UPS electric power support devices are also used to manage the information center (Data Center) as well as for external lighting and key gate inquiries at the University. The system also operates all surveillance cameras as well as all of the University's Intranet devices including phones and wireless communication devices (Access points) and Switches for each floor. This system operates Hybrid technology that contributes to reducing electricity consumption.

Lecture Halls system

Smart Whiteboard System

Seven complete 88-inch Smart Chipboards equipped with high-quality sound transfer headphones are provided. These whiteboards are distributed according to the lecture halls of the University colleges and connected to a computer equipped for display purposes and reinforced with additional electronic control display panels if the display requires more than 100 inches.

Audio system

Six large, high-quality loudspeakers are provided and installed in each of the lecture halls of the Colleges. These utilities are connected to a versatile with high capacity audio amplifier. It is also equipped with a wireless audio capture device.

Lecture Halls system

Signals E- Jamming System

Electronic jamming system has been installed in the examination halls, which have the potential of preventing communication with mobile devices, Bluetooth, and other wireless means of communication during examinations.

University Council Systems

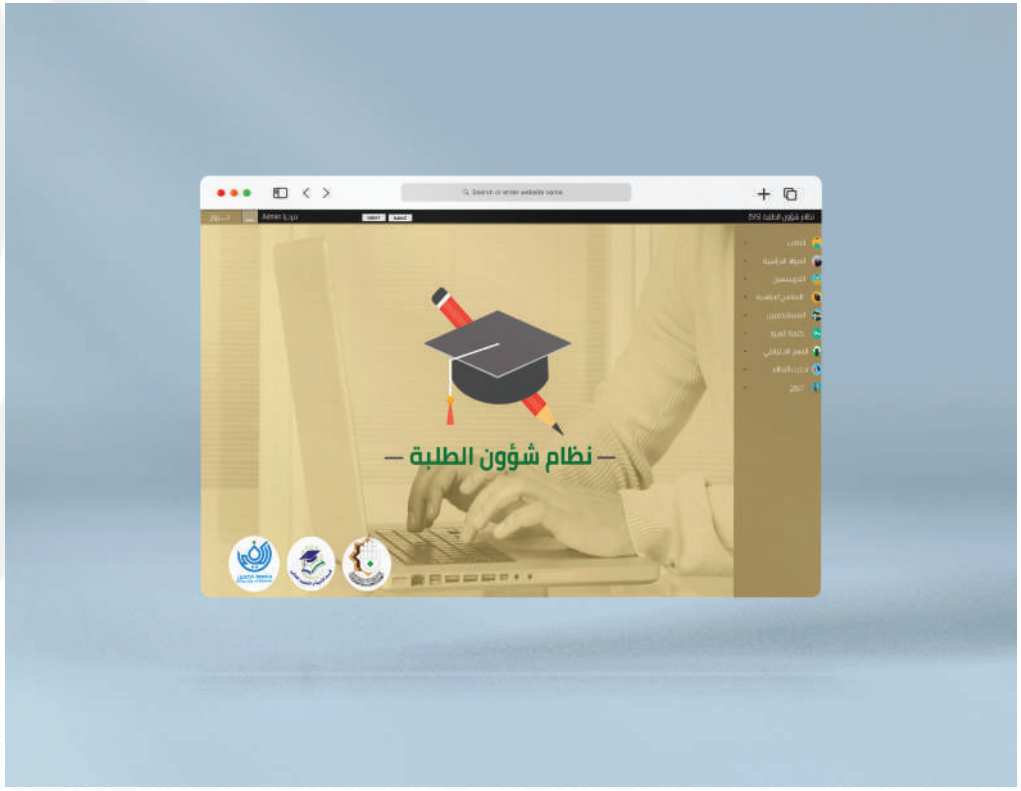
They are among the most distinctive and modern systems. The sophisticated voice discussion system has been used, with Unit Discussion devices that simultaneously use a voice silencer and a speaker. Discussion devices are attached to a central control device to monitor the discussion devices. It is also equipped with a camera that automatically moves to the speaker's place via the discussion device and displays his/her image on several screens mounted along the hall wall as well as screens in front of each member associated with the Chromecast. In case one of the members want to display a file or video, he/ she may use a mobile device after being wirelessly connected to a private network linked to the system.

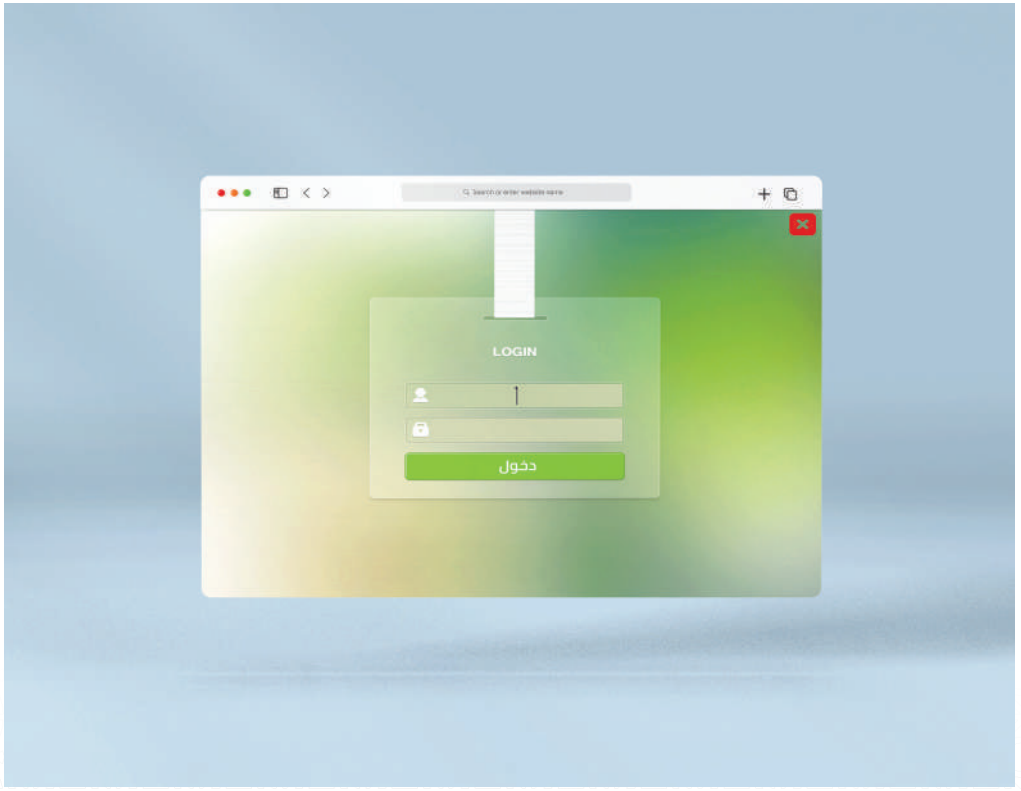
Electronic Software Second

Alkafeel University has adopted a package of electronic programs developed and designed by the Information Technology Department in accordance with the requirements of the collegesand scientific and administrative departments to facilitate and regulate the performance of the tasks entrusted to them with high accuracy and speed. These software include:

Alkafeel Student Information Management System (SIS)

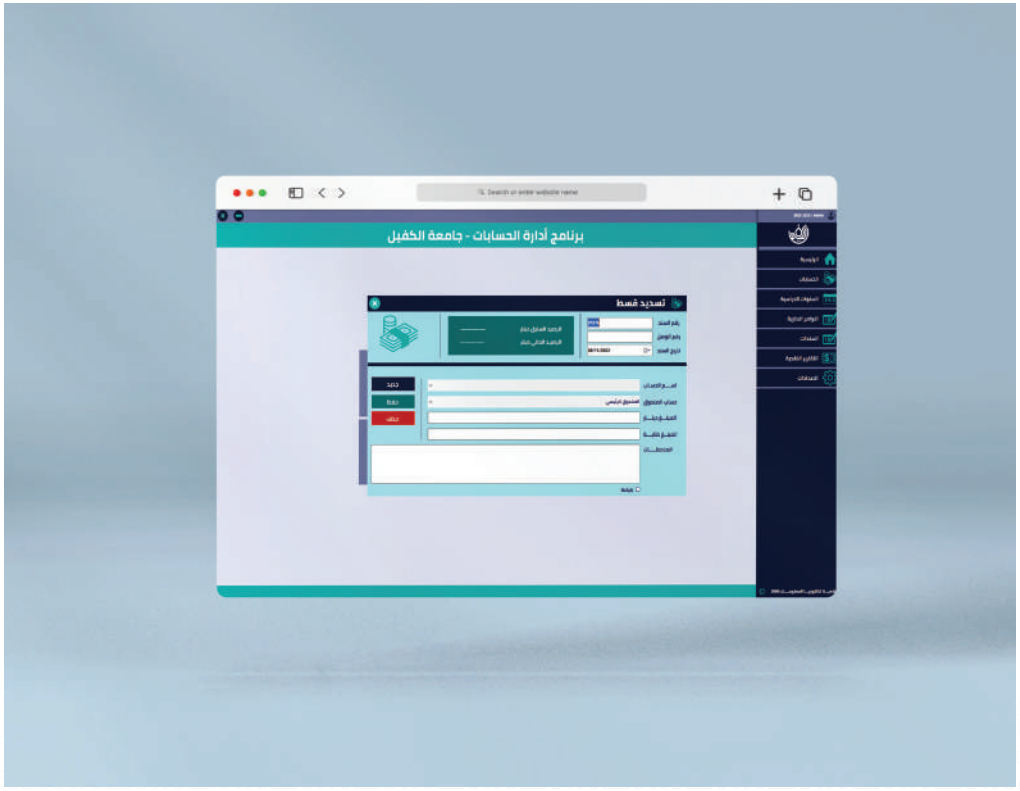
The Student Management Program (SIS) provides a series of integrated services that include updating the student's study progress report starting from joining the educational institution through all the academic and administrative processes needed during the study period until graduation. It also allows for better tracking of educational outcomes, expected performance, and improved educational experience. The Student Affairs System is the modern generation of student management that will provide the foundations for transforming the learning experience in line with modern-day requirements.

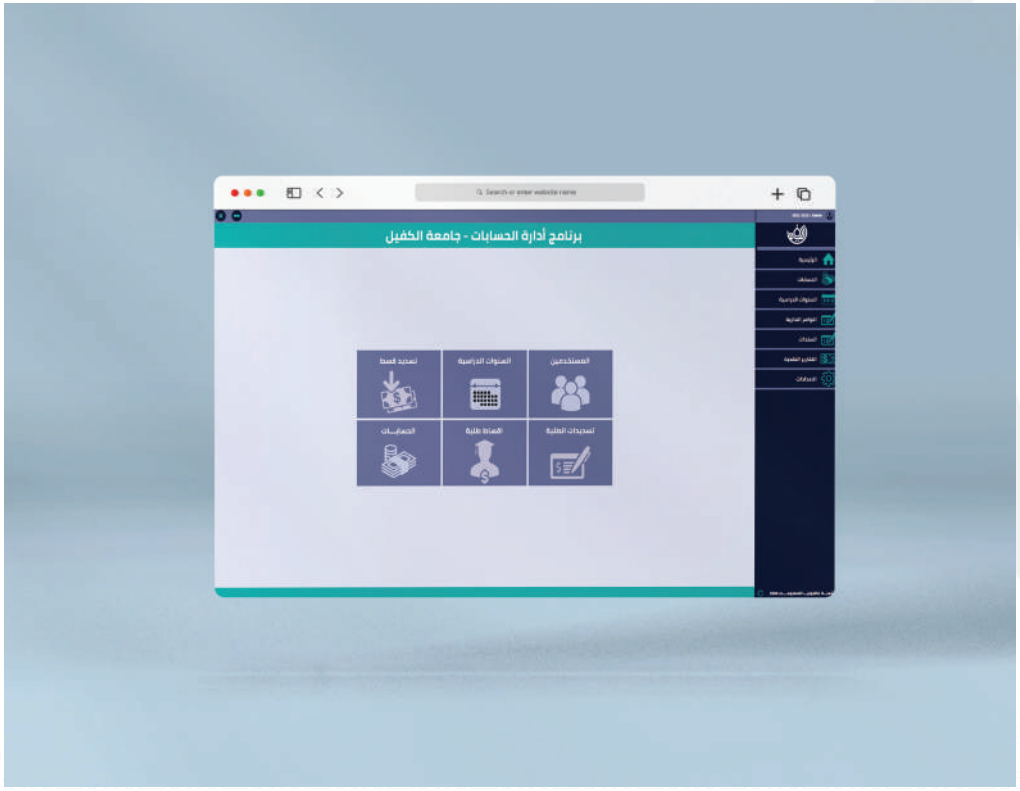




Al'Ataa' Financial Accounts Management Program

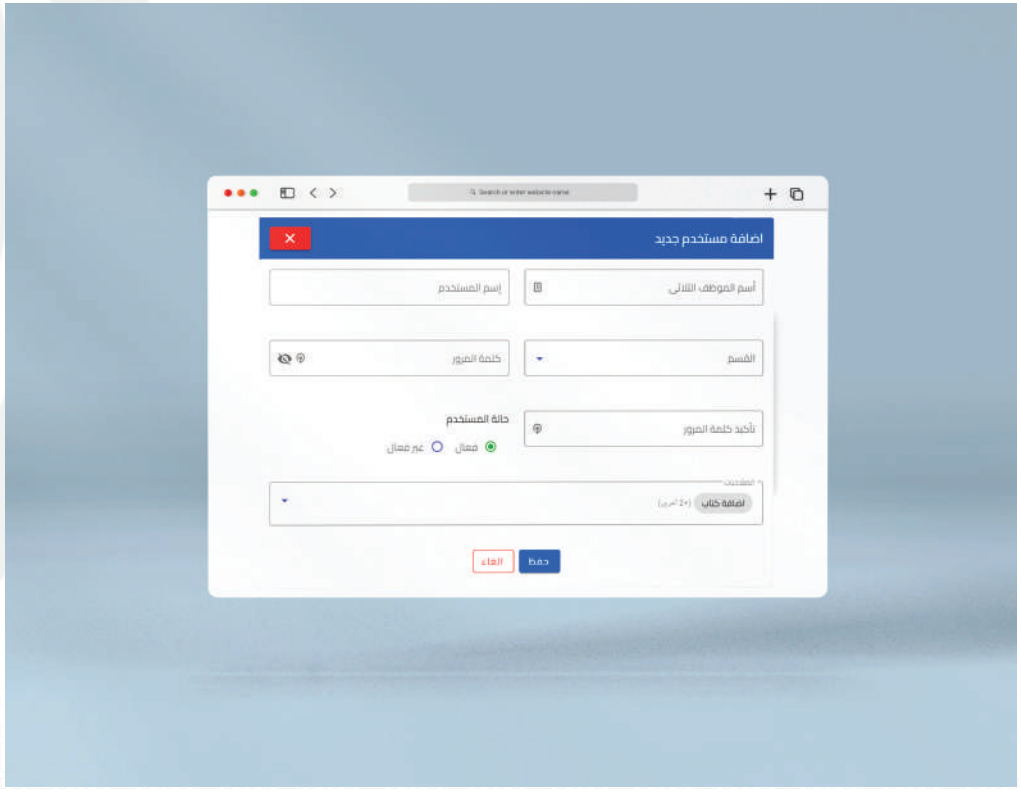
The Student Account Management Program helps in the management of computational business within the University. The Student Account Management System contains a special list of accounts that facilitates the process of managing them within the educational institution. The program is modern and linked to the student's university card, which enables the user of the program to manage and know the student's status by sliding the University card with a barcode to read the student's university number to work and access the student's file easily.

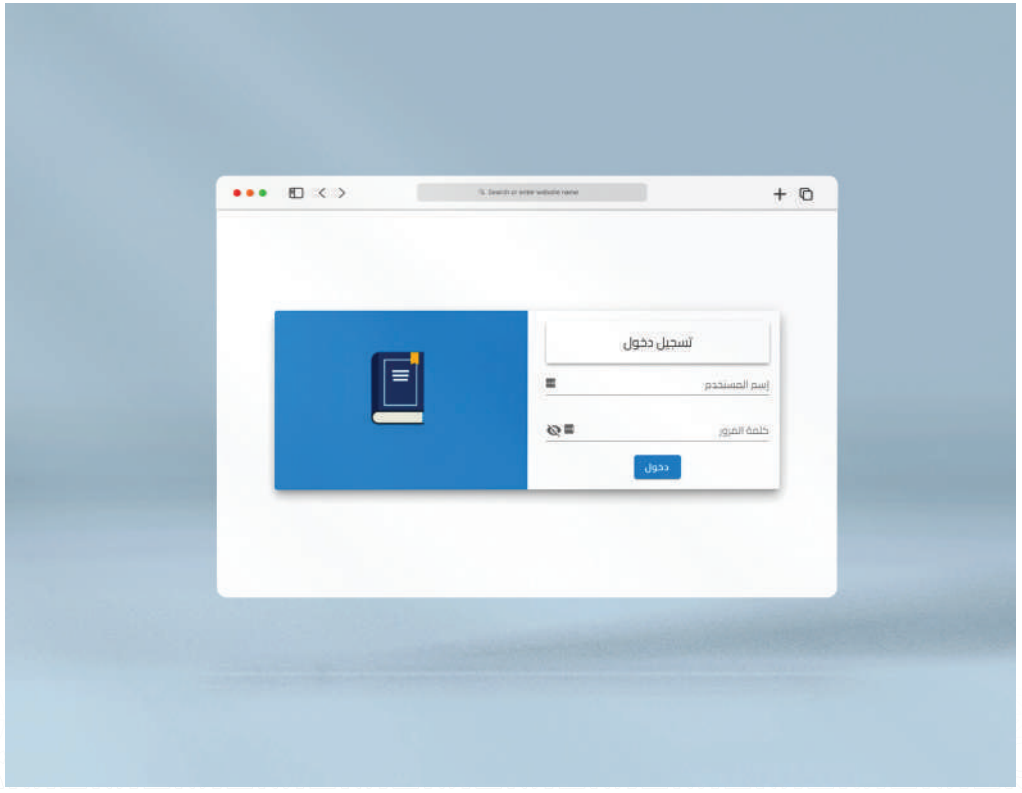




Al-Ameen Official Letters Management Program

It is a program that generates and archives official letters with digital signatures to reduce forgery in official letters. It provides a seamless and easy letter detection service issued by relying on the Qr Code system, which is distinctive and specially for each letter that is created by special algorithms to ensure that it is not repeated or falsified. AOLMP also stores the letter data at the Information Centre for subsequent archiving and auditing.





Al-Liwa Program for ID Cards Management

It is a program to facilitate the process of printing badges and ID cards for teaching staff and employees. This sophisticated program has been established to print and monitor the ID cards of the University from the initial stage. The data of the teachers and employees with their academic ranks and official personal photos, and then generate and print the ID cards until the last stage, delivering cards and issuing the clearance to those concerned. The Fifth Section: Support services provided by the University:Firstly: Research Services which Include:

Support Services

Scientific Journals

Research Facilities

Maa'en Journal for Medical Sciences

Maa'en Journal for Medical Sciences is a double-blind and peer-reviewed medical journal accredited by the Iraqi Ministry of Higher Education and Scientific Research. It is concerned with publishing articles and scientific research papers in various medical disciplines and fields of dentistry, community medicine and pharmaceutical sciences, after being reviewed by specialized reviewers. The journal is issued annually in two volumes with two issues each. What distinguishes the journal is that it enables the researcher to access and publish all articles for free without paying any fees. This is why it is an open-access journal. Digital Commons has been contracted for the Global Editorial Manager Submission (EM) System and hosts the journal 's website.

Scientific Journals

Research Facilities

Al-Bahir Journal for Engineering & Pure Sciences

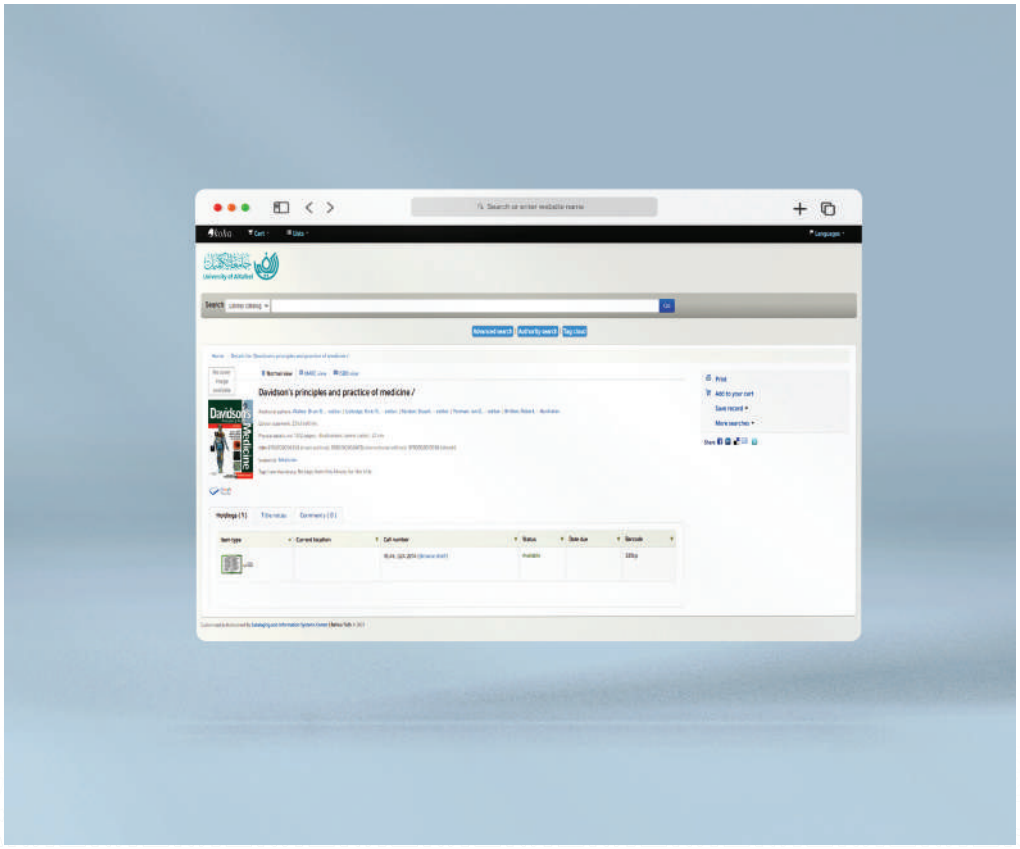
Al-Bahir is an open-access and peer-reviewed scientific journal that is published and maintained by Alkafeel University and in cooperation with Elsevier-Digital Commons hosting. It is issued annually in two volumes and it specializes in research and studies in the field of engineering and natural pure sciences. Research papers are subject to a double-blind review by distinguished scholars in their field of academic specialization. The journal is approved by the Ministry of Higher Education and Scientific Research.

Conventions Research Facilities

Alkafeel University holds agreements and memorandum of understandings that augments the framework for mutual cooperation between the two institutions and serve both the educational and research aspects, including international conventions.

Electronic Library Research Facilities

The electronic library of Alkafeel University offers many research services, the most important of which are: borrowing books and journals, theses and other materials, as well as copying services and printing according to the request of the beneficiary from the sources.



Scientific conferences

The First International Conference 2016

Under the slogan: Effective contribution to solving problems and developing reality

Number of participating human research: 57

Number of participating scientific researches: 46

Total: 103

The Second International Conference 2018 Scientific conferences

Under the slogan: The voluntary return of the displaced to enhance health security and community stability

Number of participating researches: 28

The Third International Conference (ISCKU) 2021

Scientific conferences

Number of participating Iraqi research: 510

Number of accepted research: 345

Number of participating international research: 69

Number of participating countries: 17

The First Students Conference 2021

Scientific conferences

Under the slogan: Scientific research we rise

Number of participating researches: 21

The Second Student Scientific Conferences 2022

Scientific conferences

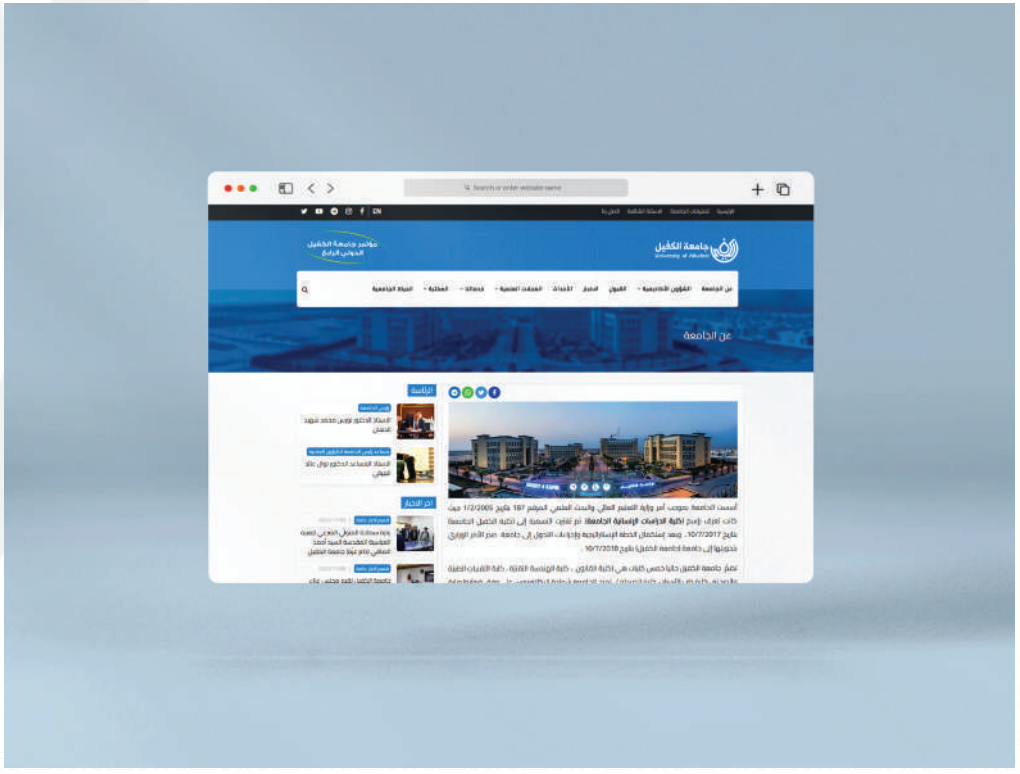
Held in the 2021/2022 academic year

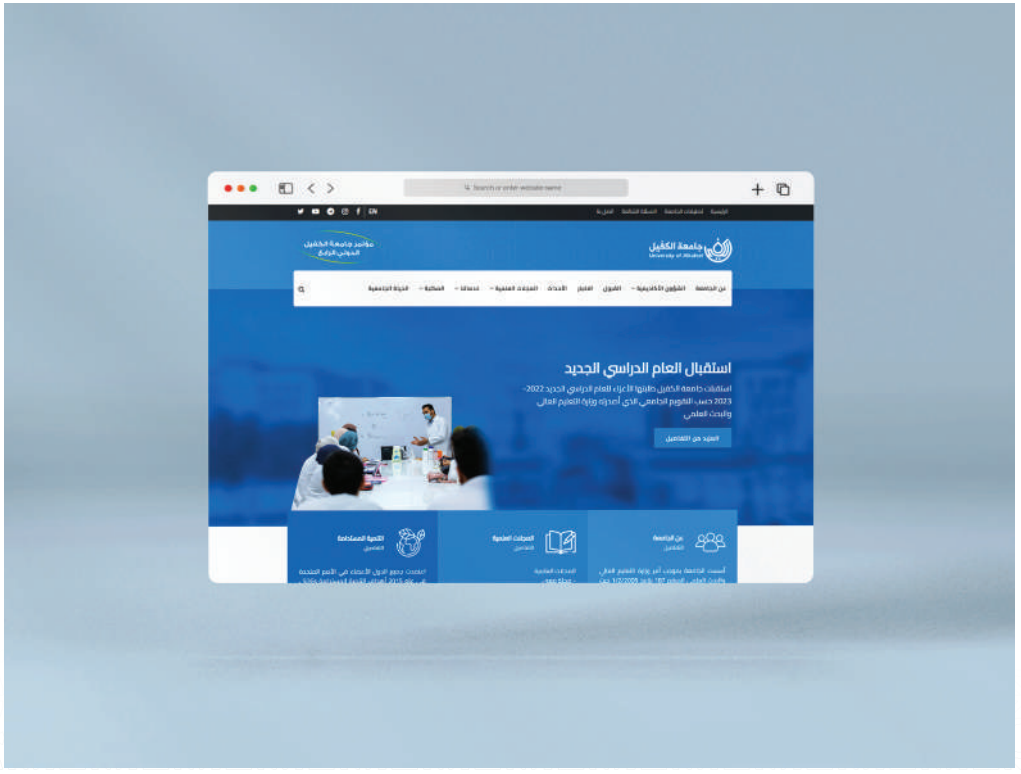
Number of participating projects: 12 projects

University Website

Online Services

The Alkafeel University website offers many services to students, teachers, parents, and visitors outside the University. The website provides students with quick access to the online learning portal of the Sarraj system, the electronic schedule of daily lectures, and the researchers' guidance service to the university journals. The University's website displays all activities and events carried out by the University as well as the outpatient service and booking form for these clinics.





ZOOM Education Service

Online Services

Alkafeel University provides continuing periodic subscriptions to the Zoom Educational Platform services with high-quality advantages over normal zoom applications, that enable video lectures to be recorded and stored without observing specific storage sizes or adhering to a fixed time limit.

Google Workspace | Online Services

The University's official domain has been linked to Google Workspace services and is a package of cloud computing productivity, collaborative software tools, and software provided by Google. It also provides at least 30 GB of cloud storage space dedicated to documents and email, 24 hours a day and 7 days a week support.

JetBrains Company Service

Online Services

Alkafeel University offers a free subscription to Jetbrains services for educational institutions. This service enables the University's teachers and students to use the 8 software packages produced by the company for a full year and free of charge.

Alkafeel University in Global Rankings

Alkafeel University obtained advanced positions in the global rankings as shown in the tables :

Year	Global Rank (World)	Local Rank (Iraq)	Name of The Ranking	
2019	647	44 /17	UI Green Metric	1.
	+801	35 /33	RUR	2.
Year	**Global Rank (World)**	**Local Rank (Iraq)**	**Name of The Ranking**	
2020	702	44 /21	UI Green Metric	1.
	17,387	114 /56	Webometrics	2.
	826	37 /34	RUR	3.
	601	18 /10	THE Impact	4.

	Global Rank (World)	Local Rank (Iraq)	Name of The Ranking	
2021	857	52/42	RUR	1.
	1001	37/23	THE Impact	2.
	417/322	8/6	U-Multirank	3.
	14,798	114/36	Webometrics	4.
	969/531	69/16	UI Green Metric	5.
	Global Rank (World)	Local Rank (Iraq)	Name of The Ranking	
2022	1032/1018	67/55	RUR	1.
	1402/1001	46/12	THE Impact	2.
	2112/Reporter	31/7	THE World	3.
	8702	11,962	Webometrics	4.

Alkafeel University in Local Rankings

Alkafeel University obtained advanced positions in the local Iraqi rankings as shown in the table:

Year	Rank	Type	Name of The Ranking	
2019	Diamond Star	National	Nationa Ranking of Iraqi Universities (NRQIU) - Laboratories Quality	1.
	Second	National Private Institutions	Iraqi Engineering Syndicate Ranking (IES)	2.
2021	Diamond Star	National	Nationa Ranking of Iraqi Universities (NRQIU) - Laboratories Quality	1.
	Second	National Private Institutions	Iraqi Universities Ranking (MOHESR)	2.

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