

Shatt Al-Arab University



Times Higher Education
Impact Rankings

SDG

17

Partnerships for
the goals



17.2 Relationships to support the goals

17.2.1 - Does your university have direct involvement in, or input into, national government or regional nongovernment organisations SDG policy development - including identifying problems and challenges, developing policies and strategies, modelling likely futures with and without interventions, monitoring and reporting on interventions, and enabling adaptive management?

An awareness program entitled (Awareness Sessions on Regular and Irregular Migration) was implemented. This program aims to spread knowledge and provide participants with information on this topic. This program was implemented within the university under the supervision of Mrs. (Zainab Haider Hammadi) on 12/11/2024.

The United Iraqi Medical Society
For Relief & Development

N.G.O.
Public Benefit
Together for Better Health & Future

UIMS
Reg. No.: I Z 1615

الجمعية الطبية العراقية الموحدة
للإغاثة والتنمية

منظمة غير حكومية
ذات نفع عام
مما لمستقبل وصحة أفضل

Ref.:
Date:

المعد 436 / 24 / 5
التاريخ 2024 / 12 / 12

الى / جامعة شط العرب الجامعة
م / تسهيل مهمة

نظراً لأهمية تعزيز الوعي حول قضايا الهجرة النظامية وغير النظامية وأثرها على الشباب، تعمل منظمنا على تنفيذ برنامج توعوي بعنوان "جلسات توعية حول الهجرة النظامية وغير النظامية". يهدف هذا البرنامج إلى نشر المعرفة وتزويد المشاركين بالمعلومات الضرورية لفهم شامل حول هذا الموضوع ، لذا نرجو تسهيل عمل مხოولتنا السيدة (زينب حيدر حمادي) للتسيق والإشراف على تنفيذ هذه الأنشطة داخل الجامعة، وتقديم كافة التسهيلات اللازمة لتنفيذ الجلسات التوعوية المخطط لها، وذلك إيماناً منا بأهمية التعاون المشترك لتحقيق الأهداف التوعوية التي تعود بالنفع على الطلاب والمجتمع، علماً بأن منظمنا مسجلة رسمياً في دائرة المنظمات غير الحكومية - الأمانة العامة لمجلس الوزراء تحت الرقم IZ1615 وبموجب شهادة التسجيل بالعدد 1167 في 2012/11/27 وحاصلة على صفة النفع العام حسب قرار مجلس الوزراء العراقي المؤقر بجلسته الاعتيادية رقم 37 و المرقم 263 في 2016/10/3 ، ولديها الصفة الاستشارية في المنتدى الاقتصادي والاجتماعي العالمي (ECOSOC) في الامم المتحدة منذ 2016...مع فائق الود والاحترام.

لا يسعني إلا أن أثنى لكم جهودكم الخيرة وجهود جميع العاملين معكم داعياً من المولى عز وجل أن يحفظكم ويرعاكم ويسدد على طريق الخير خطاكم

المرقبات:
- شهادة تسجيل المنظمة.
- صفة النفع العام.

رئيس المنظمة
د. احمد مشرف الهيتي

جامعة شط العرب

Iraq - Baghdad - Al-Mansour - Al-Anbar St. - Mobile: 00964 7707779931 جوال، شارع الاميرات. جوال، 00964 7707779931
Or Call the Number from all Telephone Networks: 6773 او الاتصال بالرقم المجاني من كافة الشبكات، 6773



Shatt al-Arab University also played an effective role in providing university halls throughout the days of the qualifying course for the Iraqi Bar Association. This was under the auspices of Dr. Jassim Khuraibat Khalaf, President of the Iraqi Jurists Union/Basra Branch and Head of the Law Department at Shatt al-Arab University.



Students and professors of the College of Administration and Economics, Accounting Department, visited the Basra Governorate Treasury Directorate on 10/22/2024



A cooperation agreement was concluded between the Medical Technical Institute and the Department of Medical Equipment Engineering Technology at Shatt al-Arab University through Dr. Ali Ghanem Katea to achieve the goal of serving the community in the field of improving the quality of health care and treating patients.

Ministry of Higher Education
& Research Scientific
University Southern Technical
Medical Technical Institute-Basra

NO. :
Date:

٢٠٠٥ / ٢ / ٢٥
٢٠٠٥ / ٢ / ٢٥

إلى / كلية شط العرب الجامعة / قسم هندسة تقنيات الأجهزة الطبية

م/ تعاون

تحية طيبة :-
انطلاقاً من مبدأ التعاون بين المؤسسات العلمية تعرض عليكم التعاون العلمي بين معهدنا وبين
قسم هندسة تقنيات الأجهزة الطبية في كليتكم بواسطة ممثلنا الدكتور (علي غانم كاطع) ضمن
برنامج العمل في المجلس الاستشاري الصناعي لمعهدنا لفتح مجالات التعاون المشترك ضمن تصميم
وتطوير وصيانة الأجهزة الطبية التي تستخدم في المجال الطبي تحقيقاً لهدف خدمة المجتمع في مجال
تحسين جودة الرعاية الصحية الأولية ومعالجة المرضى .

مع التقدير

السادة
السادة

٢٠٠٥ / ٢ / ٢٥

أ. د. فراس جميل جبار
م. العميد وكالة
٢٠٢٥ / ٢ / ٢٥

الجامعة التقنية الجنوبية
المعهد التقني الطبي - البصرة
الصادرة

نسخة منه

شعبة المواءمة البشرية / مع الأوليات
٢٠٢٥ / ٢ / ٢٥

العنوان: العراق - البصرة طريق الزبير - مقابل المدينة الرياضية
Iraq-Basrah-Zubair Main Street-Front Of Sport City
bmti@stu.edu.iq

Shatt al-Arab students were hosted in training workshops held by Asiaticell Communications Company on February 25, 2025, to review the most important skills required in the communications sector.

Asiaticell
Asiaticell Communications Company

AB 326/25
03/03/2025

السادة / السادة جامعة شط العرب المحترمون

م/ورشة تدريبية

تهنئكم شركة آسياتيل أطوب تواجدها...
تود شركتنا ان تعرب عن استعدادها لفتح قنوات التعاون والدعم مع جامعتكم الموقرة من خلال اقامة
ورش تدريبية بالمواعين ذات العلاقة وفق التوقيت والتنظيم والاتفاق المسبق لطبقتنا الاعزاء كجزء
من مساهمة شركتنا في دعم المجتمع العراقي وتطوير بقاء المستقبل، ولقد اسعدنا استضافة طلبتنا
الاعزاء من جامعتكم الموقرة في يوم الثلاثاء 2025/2/25 بورشه مصغرة لاستعراض اهم المهارات
المطلوبة في قطاع الاتصالات.

مع خالص الشكر والتقدير...

السادة
السادة

٢٠٢٥ / ٢ / ٢٥

السادة
السادة

٢٠٢٥ / ٢ / ٢٥

Abu Akhaseeb internet road, Alasraji, Basra, Iraq
Phone No. : 009647701180002
e-mail : info_basrah@asiaticell.com

طريق في الحبيب الشامي السراي الجديدة عراق
هاتف : 009647701180002
البريد الإلكتروني : info_basrah@asiaticell.com

www.asiaticell.com

Shatt al-Arab University cooperated with the non-governmental organization Larsa to implement an awareness campaign about the “My City” application.





At Al-Shatt Al-Arab University, the institution reinforces its full commitment to creating a fair, supportive, and empowering academic environment for all. The university also demonstrates a strong and comprehensive dedication to gender equality through the continuous evaluation of gender-disaggregated data, proactive policies, and wide-ranging initiatives. By fostering an inclusive and supportive academic environment, the institution ensures equal opportunities for all students. Additionally, the university has established a number of administrative bodies, policies, and initiatives aimed at eliminating discrimination and harassment, and promoting a culture of gender equality awareness.

These initiatives have been implemented in collaboration with colleges both within and outside the university, focusing on key issues such as protecting women from violence, discrimination, blackmail, and harassment. The department has also made remarkable efforts to raise women's awareness of health, psychological, and medical aspects, as well as their legal and political rights. These efforts have contributed to empowering women to become active and influential figures in the fields of education, work, family, and society.

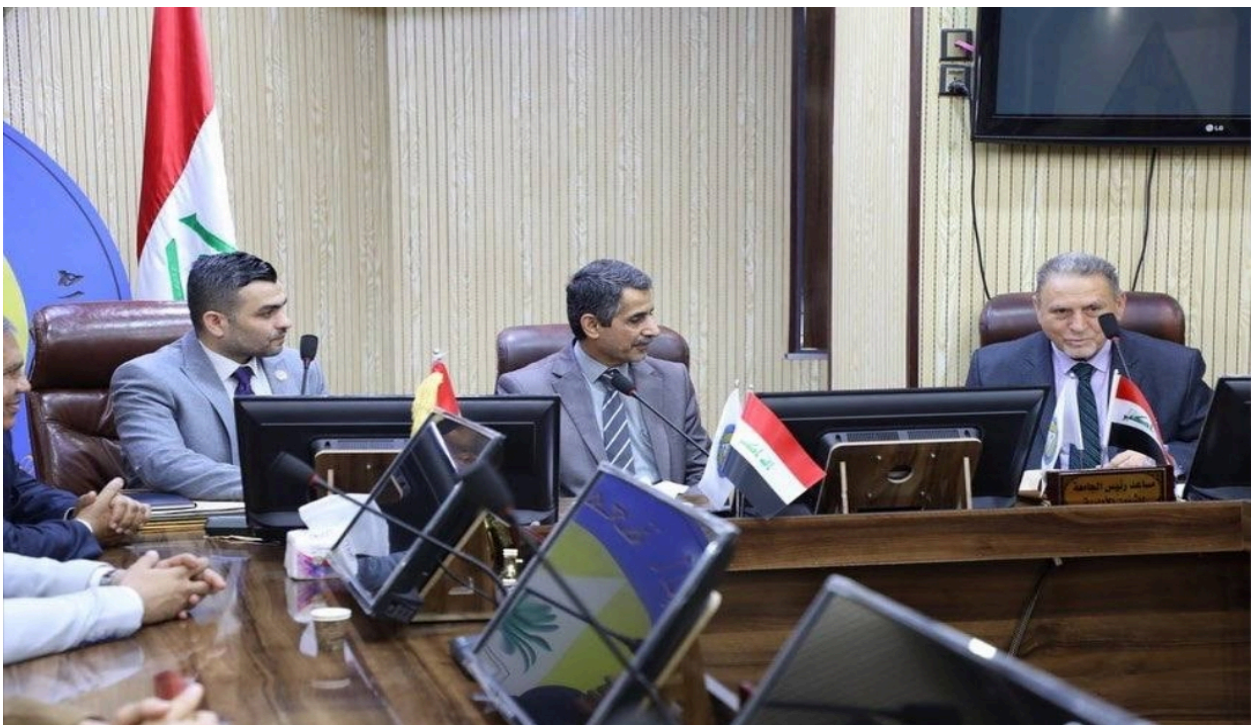


Our university collaborates with other universities, community organizations, government institutions, and non-governmental organizations as part of regional and national efforts aimed at removing barriers and encouraging women to explore fields in which they have historically been underrepresented. These initiatives, along with the university's participation in national campaigns advocating for women's education, reflect our strong commitment to fostering a more inclusive academic environment.



We are also working to expand academic opportunities by establishing new departments in the fields of medicine, engineering, technology, and science, in order to accommodate individuals who may have previously faced challenges in gaining admission due to academic performance or other limitations. This initiative aims to inspire hope and

enhance support for underrepresented groups particularly women empowering them to pursue their ambitions and achieve academic and professional success.



The Shatt Al-Arab University hosted the annual meeting of the Basra government for sustainable development and hosting an experts in the fields of sustainable development, renewable energy, public policies and discussed the latest progress and actions related to the implementation of the sustainable development goals in Basra province. At this meeting, our university has shared its vision with its deep culture and history based on strong national partnerships and commitment to implementing, monitoring, and tracking sustainable development goals (SDGs) and reporting on progress made. It is backed by strong political will, integrated planning, and supportive legal frameworks.



Examples of university sustainable development meeting and activities (Shatt Al-Arab University)

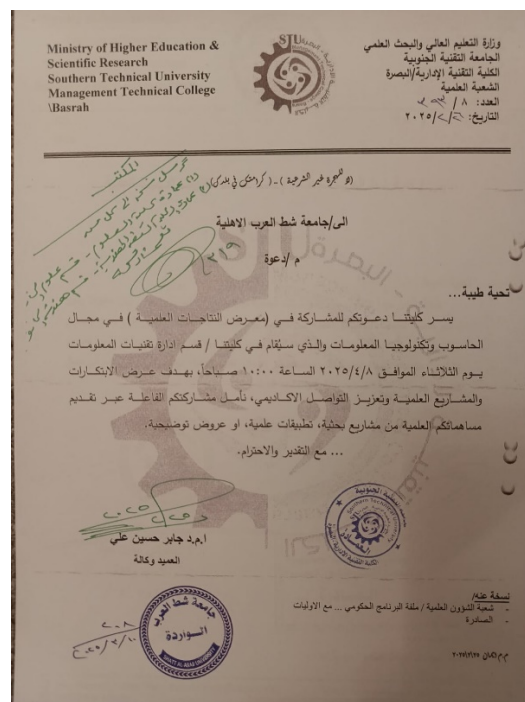
Environmental practices: Encouraging universities to implement sustainable environmental practices that contribute to improving public health by minimizing pollution and preserving natural resources.

In order to contribute to the project launched by the local government in Basra Governorate for a more beautiful Basra and to enhance the role of educational institutions and the role of Basra youth and their contribution to improving the visual environment, Shatt Al -Arab University cooperates with the afforestation and green belts committee in the governorate to carry out voluntary afforestation operations, and in this regard, the college students implemented a voluntary project to afforest different areas of the governorate

17.2 Relationships to support the goals

17.2.2 - Does your university as a body initiate and participate in cross-sectoral dialogue about the SDGs, e.g. conferences involving government/NGOs?

Shatt Al-Arab University participated in the (Scientific Production Exhibition) in the field of computers and information technology, which was held at the Southern Technical University on 4/8/2025. The aim of which was to display scientific projects.



This is a collection of scientific collaborative contributions from Shatt al-Arab University with other universities.

Republic of Iraq
Basra Governorate
Governor Deputy Office

جمهورية العراق
محافظة البصرة
مكتب النائب الإداري

العدد: م. ن. ٩٩/١٧
التاريخ: ٢٠٢٥/٥/٢٥

No.:
Date:

الى / رئاسة كلية شط العرب الجامعة الاهلية

م / دعوة اجتماع تنسيقي

تحية طيبة...

استنادا الى كتاب مستشارية الامن القومي / اللجنة الوطنية لمتابعة تنفيذ استراتيجية مكافحة التطرف العنيف المؤدي الى الارهاب ذي العدد ٢١٤٨ في ٥ / ٥ / ٢٠٢٥ والمتضمن التعاون مع الجامعات الاهلية في محافظة البصرة بموضوع مكافحة التطرف العنيف المؤدي الى الارهاب يسرنا دعوة السيدات والسادة عمداء الكليات الحكومية التابعة لرئاسة جامعة البصرة الى الاجتماع التنسيقي برئاسة الاستاذ ماهر العامري نائب المحافظ الاداري رئيس اللجنة الفرعية لمكافحة التطرف العنيف المؤدي الى الارهاب الذي سيعقد يوم الاثنين الموافق ٢٦ / ٥ / ٢٠٢٥ الساعة التاسعة صباحا في ديوان محافظة البصرة / قاعة المؤتمرات.

مع التقدير.

السيد ماهر العامري
نائب المحافظ الاداري
٢٠٢٥/٥/٢٥

صورة عنه الى //

سكرتارية اللجنة الفرعية لمكافحة التطرف العنيف المؤدي الى الارهاب / للعلم والمتابعة مع المحافظ العام

٢٤٢
٢٠٢٥/٥/٢٥

+964 7718858852
deputy_2@basra.gov.iq
www.basra.gov.iq

ISO 9001:2015

and Scientific Research
Basra University
College of Engineering

Dean Office

العدد: ١٧٠٤ / ٢٢
التاريخ: ٢٠٢٥/٤/٢٧

Ref.:
Date: / / 202

الى / جامعة شط العرب

م / شكر وتقدير

تقدراً للجهود المتميزة المبذولة من قبلكم وبالتعاون مع كلية العراق الجامعة و جامعة الموصل في تجهيز كليتنا بجهاز استنساخ مع مستلزمات الاسئلة الامتحانية للامتحان التقويمي للعام الدراسي ٢٠٢٤-٢٠٢٥، يسرنا ان نقدم لكم جزيل شكرنا وتقديرنا متملين لكم دوام التوفيق.

أ.د. مفيد تركي رشيد
عميد كلية الهندسة
٢٠٢٥/٤/٢٤

المسؤول
٢٠٢٥/٥/٢٤

مصعب // تدقيقاً

نسخة منه الى //

رئيس الجامعة
مكتب معاون العميد للشؤون الادارية // للعلم مع التقدير

٤/٢٤

العراق - البصرة
مكتب العميد: +964 784 660 2882
مستودع بريد: 810
البريد الالكتروني: engineering.college@unbasrah.edu.iq

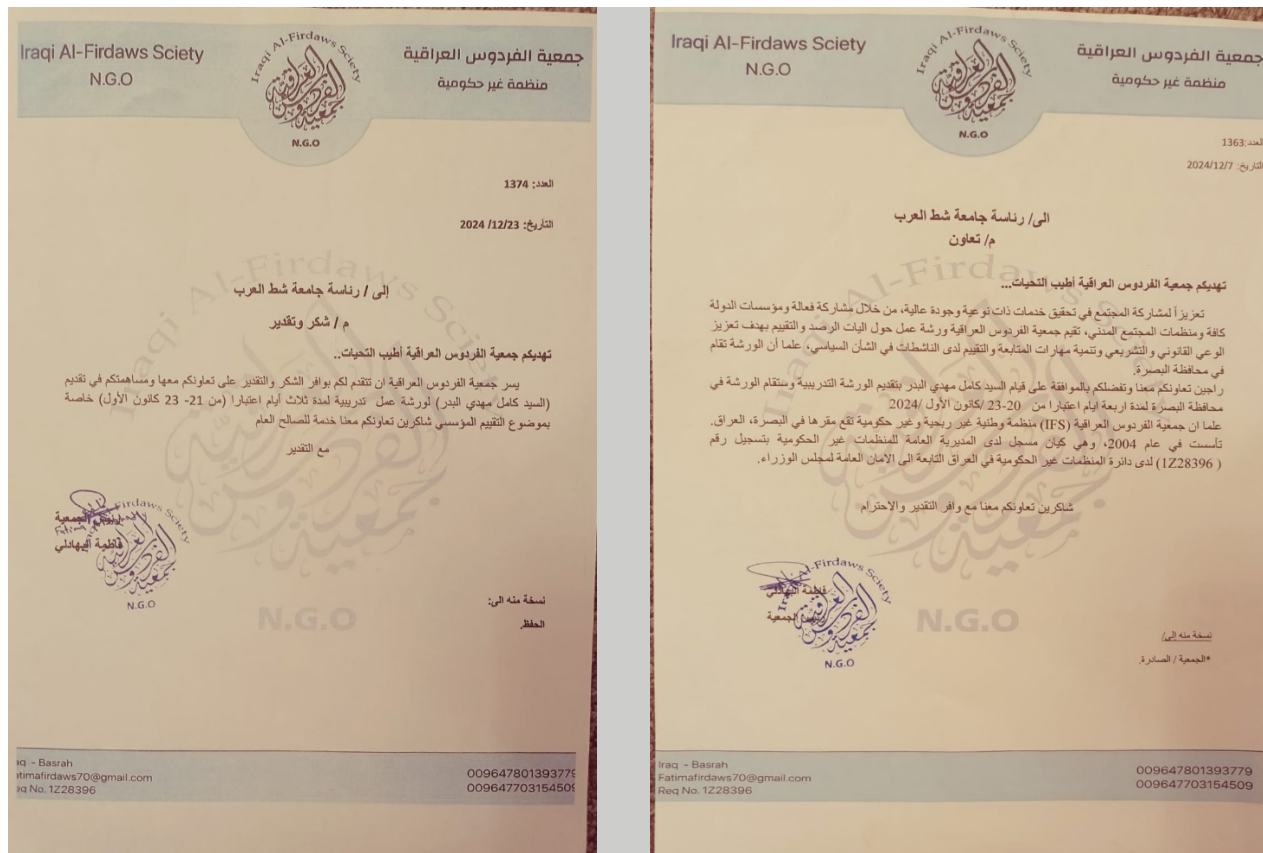
Iraq - Basrah
Dean Office: +964 784 660 2882
P.O Box - 810
E-Mail: engineering.college@unbasrah.edu.iq

Shatt Al-Arab University held a training workshop entitled (Institutional Performance Evaluation System is a fundamental pillar for developing institutions and achieving excellence in performance). It was prepared and presented by the Head of the Quality Assurance Division, Mr. (Kamel Mahdi Al-Badr) on 22/12/2024.





Shatt al-Arab University participated in a three-day training workshop with Al-Firdaws Association from December 21 to 23 on the subject of institutional evaluation.



The Women's Affairs Division at Al-Shatt Al-Arab University organized an awareness seminar titled "Early Detection and Prevention of Breast Cancer" on Thursday, October 24, 2024, in collaboration with the Basra Health Directorate. The seminar was presented by Dr. Wafaa Abdul Kareem Ali.

The seminar aimed to provide an anatomical overview of breast cancer tumors, including their causes, cases, forms, and types. It concluded with key recommendations emphasizing the importance of early detection, especially for women over the age of

forty, and highlighted the necessity of **monthly self-examinations** to prevent the progression of tumors to more serious stages. Educational brochures were also distributed to raise awareness on this topic.

The seminar concluded with thoughtful contributions from the University President, deans, and faculty members, along with a wide range of questions from the attending students. It was a highly informative and purposeful awareness seminar.



The Women's Affairs Division at Al-Shatt Al-Arab University, in collaboration with the Department of Computer Engineering Technologies, organized a seminar titled "Supporting Women's Development, Enhancing Self-Respect, Self-Efficacy, and Protection" on Thursday, November 7, 2024. The seminar was presented by Ms. Zarka Mohammed Ali.

The seminar aimed to highlight the concept of women's development as a fundamental goal in modern societies. It addressed the importance of fostering self-respect and empowering women across various personal, economic, social, academic, and educational dimensions—by strengthening self-confidence and providing a supportive and motivating environment.

The seminar also emphasized the necessity of protecting women from violence and exploitation, which requires strong support from both the family and the community to ensure women's psychological and social well-being and stability.



The Women's Affairs Division at Al-Shatt Al-Arab University, in collaboration with the Department of Law, organized a seminar titled "Legal Protection for Working Women Under the Current Iraqi Labor Law and Social Security" on Thursday, November 17, 2024. The seminar was presented by Ms. Zainab Haidar Hashim.

The seminar aimed to shed light on key legal provisions related to the protection of women's rights in the workplace, in accordance with Iraqi Labor Law No. (37) of 2015—particularly Chapter Ten, which includes regulations such as the prohibition of night work for women and restrictions on strenuous or hazardous jobs. It also addressed the Social Security Law, with a focus on provisions related to women, including the legal retirement age.

The seminar concluded with several recommendations, most notably the need to empower women in the labor market by assigning roles that align with their skills and capabilities, and encouraging



The Women's Affairs Division at Al-Shatt Al-Arab University organized an awareness seminar titled "Drugs and False Happiness" on Monday, December 2, 2024, in collaboration with the Basra Health Directorate. The seminar was presented by Dr. Fatima Muthanna Muften and Dr. Youssef Mohammed Al-Hassoun.

The seminar aimed to raise awareness and educate the public on the importance of combating drug abuse, which has been increasingly spreading throughout society—particularly in schools and universities. It provided a comprehensive definition of drugs, highlighting major pharmaceutical, botanical, and synthetic substances that can lead to addiction. The seminar also discussed the symptoms associated with drug use, as well as its serious psychological, physical, and health-related effects, and its devastating impact on family, social, economic, and educational aspects.

The seminar concluded with a series of recommendations, most notably emphasizing the importance of activating the roles of universities, health institutions, media outlets, and individuals in joint awareness and guidance efforts to reduce drug abuse.

The event witnessed rich participation and engagement from the University President, deans, faculty members, and students, who contributed through constructive discussions, posed thought-provoking questions, and presented suggestions that enhanced the objectives of this vital awareness event.



The Women's Affairs Division at Al-Shatt Al-Arab University, in collaboration with the College of Arts, organized a field visit to the Addiction Treatment Center at Al-Fayhaa Hospital on Thursday, January 12, 2024.

The visit aimed to raise students' awareness about the dangers of drug abuse and highlight its negative impact on their future. During the visit, students met with the center's director and engaged in discussions about the types of cases the center handles and the medical and psychological treatment methods used by the professional staff. They also spoke with some individuals recovering from addiction to better understand the factors that led them

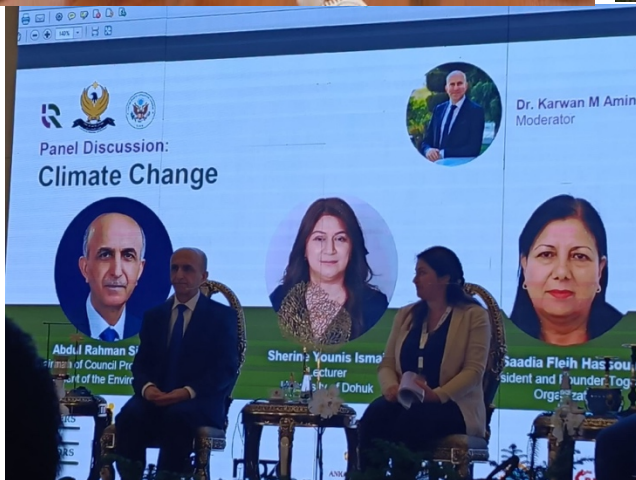
to substance abuse and the devastating consequences it had on their mental and physical health, as well as their economic and social well-being.

The key takeaways from the visit emphasized the importance of complete abstinence from drugs, the value of early intervention and treatment, and the need to encourage victims to seek help from rehabilitation centers in order to restore their health and reintegrate as productive members of their families and society.



a part of its collaboration and partnership policy, Shatt Al-Arab University has participated in the cross-sectoral dialogue about the progress of SDG implementation in Basra province. Below are some of the forums that Shatt Al-Arab University has participated to strengthen the idea of the dialogue which addressed two main goals:-
The substantial idea of non-human nature should be recognized and underpin sustainability agendas more so than is currently the case.





17.2 Relationships to support the goals

17.2.3 - Does your university as a body participate in international collaboration on gathering or measuring data for the SDGs?

1- Equality among all student categories, regardless of gender, race, color, sect, religion, or politics, in all academic and research fields.

2- Admission and selection of academic departments are based on the student's graduation rate. The college implements all admission requirements for all academic departments issued by the Ministry of Higher Education and Scientific Research. There is no discrimination between students on the basis of gender, race, sect, religion, or politics.

3- The college encourages the admission of students with physical disabilities.

1- Reducing inequalities

The college encourages the publication of research in the field of development to reduce inequality, as most of the research has focused on legal and economic fields, which aims to encourage researchers, both male and female, to publish scientific research. All students in the final stages of their studies have completed theoretical and applied research, as shown in the following table

Number of students who completed research projects				Number of students	Department
Females		Males			
ratio	Number	ratio	Number		
%29	27	%71	117	164	Law
%52	48	%48	44	92	Business Administration
%37	36	%63	60	96	Computer Science
%27	49	%73	130	179	Accounting
%54	72	%46	61	133	English Language
				non	Computer Engineering

2- Students with Disabilities

The university provides all facilities for students with disabilities and welcomes all necessary assistance to complete their studies. In recent years, some students with disabilities have been accepted, and some have gone on to graduate school.

Based on the year 2024, one student was accepted into the Department of Business Administration out of a total of 300 students, representing approximately 0.003%. Note that one student with a physical disability was accepted into the Department of Computer Science in 2021 out of a total of 121 students, representing approximately 0.008%.

3- Employees with Disabilities

The university provides all services to employees with disabilities, including a dedicated garage for their cars, special office supplies, and other services.

Number	Workplace	Gender
1	accounts	Male
1	accounts	Female

This is further evidence that Shatt al-Arab University does not discriminate between one employee and another on the basis of physical disability. On the contrary, it wholeheartedly welcomes the appointment of employees with disabilities so that they may be productive members of society.

Shatt Al-Arab University with collaboration with international institutes, universities and educationl organizations has encourage their researchers to implement research in the sustainability development goals such as good health, affordable and clean energy, and industry, innovation and infrastructure, these publication paper that deal with the empirical and/or gathering or measuring data and/or analytical aspects of the work, then develop the discussion and draw conclusions based upon what has been covered in the paper, Below are some of the researches that Shatt Al-Arab University has published with collaboration with international institutes, universities and educationl organizations

Modeling and optimizing performance of bifacial PV systems with DC power optimizers

Zuher R.Khalifa Abojela ^{a b} ✉, Mohd Khairunaz Mat Desa ^a ✉, Ahmad H. Sabry ^c ✉

- ^a School of Electrical and Electronics, USM Engineering Campus, Nibong Tebal, Penang, 14300, Malaysia
- ^b Department of Electrical and Electronics, College of Engineering, Sabratha University, Sabratha, Libya
- ^c Medical Instrumentation Engineering Techniques, Shatt Al-Arab University College, Basra, Iraq

Received 30 July 2024, Revised 8 June 2025, Accepted 21 June 2025, Available online 21 June 2025, Version of Record 24 June 2025.

Predicting batteries second-life state-of-health with first-life data and on-board voltage measurements using support vector regression

Shymaa Mohammed Jameel ^a ✉, J.M. Altmemi ^b ✉, Ahmed A. Oglah ^c ✉, Mohammad A. Abbas ^d ✉, Ahmad H. Sabry ^e ✉

^a University of Information Technology & Communications, Baghdad 10009, Iraq

^b Information Technology Management Department, Southern Technical University, Basrah, Iraq

^c Department of Control and Systems Engineering, University of Technology, Al Senaa Street, Baghdad, Iraq

^d Department of Computer Science, University Of Technology, Baghdad, Iraq

^e Medical Instrumentation Engineering Techniques, Shatt Al-Arab University College, Basra, Iraq

Indonesian Journal of Electrical Engineering and Computer Science

Vol. 30, No. 2, May 2023, pp. 778~786

ISSN: 2502-4752, DOI: 10.11591/ijeecs.v30.i2.pp778-786



778

Unmanned aerial vehicle: a review and future directions

Mahmood A. Al-Shareeda¹, Murtaja Ali Saare², Selvakumar Manickam¹

¹National Advanced IPv6 Centre (NAv6), Universiti Sains Malaysia, Penang, Malaysia

²Department of Computer Technology Engineering, Shatt Al-Arab University College, Basrah, Iraq

Indonesian Journal of Electrical Engineering and Computer Science

Vol. 31, No. 2, August 2023, pp. 1182~1189

ISSN: 2502-4752, DOI: 10.11591/ijeecs.v31.i2.pp1182-1189



1182

Bluetooth low energy for internet of things: review, challenges, and open issues

Mahmood A. Al-Shareeda¹, Murtaja Ali Saare², Selvakumar Manickam¹, Shankar Karuppayah¹

¹National Advanced IPv6 Centre (NAv6), Universiti Sains Malaysia, Penang, Malaysia

²Department of Computer Technology Engineering, Shatt Al-Arab University College, Basrah, Iraq

Limits of reactive power compensation of a doubly fed induction generator based wind turbine system

Ali Kadhim Abdulabbas¹, Mazin Abdulalah Alawan², Diyah Kammel Shary³

¹Department of Electrical Engineering, University of Basrah, Basrah, Iraq

²Department of Computer Technology Engineering, Shatt Al-Arab University College, Basrah, Iraq

³Department of Electrical Power Techniques Engineering, Southern Technical University, Basrah, Iraq

Received: 5 July 2023
DOI: 10.37917/ije.20.1.24

Revised: 22 September 2023

Accepted: 9 October 2023

Early View | June 2024

Iraqi Journal for Electrical and Electronic Engineering
Original Article



The Analysis of Sub-Synchronous Resonance in a Wind Farm for a Doubly-Fed Induction Generator Using Modern Analytical Method

Ali Kadhim Abdulabbas^{*1}, Shafaa Mahdi Salih¹, Mazin Abdulalah Alawan²

¹Electrical Engineering Department, University of Basrah, Basrah, Iraq

²Department of Computer Science, Shatt Al-Arab University College, Basra, Iraq

Correspondance

*Ali Kadhim Abdulabbas
Electrical Engineering Department
University of Basrah, Basrah, Iraq
Email: ali.abdulabbas@uobasrah.edu.iq

Fuzzy Unordered Rule Using Greedy Hill Climbing Feature Selection Method: An Application to Diabetes Classification

¹Hayder Naser Khraibet AL-Behadili & ²Ku Ruhana Ku-Mahamud

¹Computer Science Department, Shatt Al-Arab University Collage, Iraq

²School of Computing, Universiti Utara Malaysia, Malaysia

hayderkhraibet@sa-uc.edu.iq
ruhana@uum.edu.my

Examples of university research have been published with different sustainability development goals (Shatt Al-Arab University)



Examples of university World survey on the role of women in development (Shatt Al-Arab University)

17.2 Relationships to support the goals

17.2.4 - Does your university as a body, through international collaboration and research, review comparative approaches and develop international best practice on tackling the SDGs?

On International Education Day 2025, Shatt al-Arab University students, especially those from the Department of Medical Instrumentation Engineering Technology, launched a volunteer drive to help underprivileged and needy schools. Since a quality education is the cornerstone of improving people's lives and attaining sustainable development, this initiative is part of a rapid series of initiatives to provide stationery, encourage male and female students to continue their basic education, and collaborate towards sustainable education.





Shatt Al-Arab University believes that sustainable and scalable transformation can be accelerated by the compounding power of diverse and complementary partnerships. Hence, our university work with like-minded partners who demonstrate the seriousness to make a difference and who share similar ethics and value systems. We co-create goals and plans with an adaptive and flexible approach that integrates multiple priorities and values interdependencies. Our relationships are nurtured through open channels of communication based on mutual respect and trust. the colleges in our university undertakes corporate responsibility and decides to invest a certain percent of their profit in developing rural areas, Basra will have no hunger, no disease, no illiteracy. The Government alone cannot do this.

The university has promoted development and progress across communities including:

- Education.
- Health and hygiene.
- Integrated Community Development projects.
- Environment protection and sustainability.
- Women empowerment and child protection.
- Prisoner rehabilitation and conflict resolution.



Examples of university promoted development and progress across communities (Shatt Al-Arab University)

17.2 Relationships to support the goals

17.2.5 - Does your university as a body collaborate with NGOs to tackle the SDGs through:

Also, Shatt Al-Arab University College made a cooperation with humanitarian NGOs to deliver support to families who are below the poverty line.



Also, Shatt Al-Arab University College created a “Poor Family Fund” for supporting lowincome students. And here is a Table includes the numbers of Shatt Al-Arab University College students which are covered by the support of Poor Family Fund who gained reduced amount or discount for studying fees.

No	Department	No. of Students	Total Amount (IQD)
1	Law	10	14750000
2	Computer Science	7	10275000
3	Accounting	8	12125000
4	Business Administration	5	9140000
5	English Language and Literature	2	5037500
6	Computer Technology Engineering	4	2400000
Total		36	53727500

These organizations are working with government of Iraq and many universities within the country. Shatt Al-Arab University is dedicated to achieve sustainable development goals by open a platform with social, cultural and with these non-government organizations.









17.3 Publication of SDG reports

17.3 Publication of SDG reports

No	Publication of SDG reports	The published link of Shatt Al-Arab University about SDGs reports
17.3.1	Please indicate if your university publishes progress against SDG1	https://sustainability.sa-uc.edu.iq/sdg/1
17.3.2	Please indicate if your university publishes progress against SDG2	https://sustainability.sa-uc.edu.iq/sdg/2
17.3.3	Please indicate if your university publishes progress against SDG3	https://sustainability.sa-uc.edu.iq/sdg/3
17.3.4	Please indicate if your university publishes progress against SDG4	https://sustainability.sa-uc.edu.iq/sdg/4
17.3.5	Please indicate if your university publishes progress against SDG5	https://sustainability.sa-uc.edu.iq/sdg/5
17.3.6	Please indicate if your university publishes progress against SDG6	https://sustainability.sa-uc.edu.iq/sdg/6
17.3.7	Please indicate if your university publishes progress against SDG7	https://sustainability.sa-uc.edu.iq/sdg/7
17.3.8	Please indicate if your university publishes progress against SDG8	https://sustainability.sa-uc.edu.iq/sdg/8
17.3.9	Please indicate if your university publishes progress against SDG9	https://sustainability.sa-uc.edu.iq/sdg/9
17.3.10	Please indicate if your university publishes progress against SDG10	https://sustainability.sa-uc.edu.iq/sdg/10
17.3.11	Please indicate if your university publishes progress against SDG11	https://sustainability.sa-uc.edu.iq/sdg/11

17.3.12	Please indicate if your university publishes progress against SDG12	https://sustainability.sa-uc.edu.iq/sdg/12
17.3.13	Please indicate if your university publishes progress against SDG13	https://sustainability.sa-uc.edu.iq/sdg/13
17.3.14	Please indicate if your university publishes progress against SDG14	https://sustainability.sa-uc.edu.iq/sdg/14
17.3.15	Please indicate if your university publishes progress against SDG15	https://sustainability.sa-uc.edu.iq/sdg/15
17.3.16	Please indicate if your university publishes progress against SDG16	https://sustainability.sa-uc.edu.iq/sdg/16
17.3.17	Please indicate if your university publishes progress against SDG17	https://sustainability.sa-uc.edu.iq/sdg/17

17.4 Education for the SDGs

17.4.1 - Does your university as a body have a commitment to meaningful education around the SDGs across the university, that is relevant and applicable to all students?

In 2025, Shatt al-Arab University, Department of Fuel and Energy Engineering Technology, held an exhibition for second-year students showcasing their engineering projects. Most of the projects relied on sustainable energy





Shatt Al-Arab University has been committed to meaningful education about the SDGs through the final projects of the graduation students. These projects present a research solutions to different issues that face both our industry, and society.

NO	PROJECT TITLE	YEAR	DEPARTMENT
1	Hybrid Solar-Wind Power System	2024-2025	Computer engineering
2	Solar-Powered Water Purification System	2024-2025	Computer engineering
3	Biomass Energy from Agricultural Waste	2024-2025	Computer engineering
4	Solar energy and pollution	2023-2024	Computer engineering
5	Emerging Trends in Solar Water Heating Technologies	2023-2024	Computer engineering
6	Personalized Fitness Program App	2023-2024	Computer science
7	Economic Sustainability: Principles for Long-Term Success	2023-2024	Business Administrator
8	Law and Sustainability: Tackling Global Environmental Challenges	2023-2024	Law
9	Sustainability and Environmental Law	2023-2024	Law



Hybrid Solar-Wind Power System

Ahmed Abdulrahman Hassan

BACHELOR OF SCIENCE
SHATT AL- ARAB UNIVERSITY
2025



Solar-Powered Water Purification System

Mohamed Mustafa Aziz

BACHELOR OF SCIENCE
SHATT AL- ARAB UNIVERSITY
2025



Biomass Energy from Agricultural Waste

Asma Ahmed Basim

BACHELOR OF SCIENCE
SHATT AL- ARAB UNIVERSITY
2025



SOLAR ENERGY AND POLLUTION

ALI NASER ABRASS

BACHELOR OF SCIENCE
SHATT AL-ARAB UNIVERSITY
2024



PERSONALIZED FITNESS PROGRAM APP

HAYDER M. JASSAIM

BACHELOR OF SCIENCE
SHATT AL-ARAB UNIVERSITY
2024



ECONOMIC SUSTAINABILITY: PRINCIPLES FOR LONG-TERM
SUCCESS

NOOR HABEEB MAHDI

BACHELOR OF SCIENCE
SHATT AL-ARAB UNIVERSITY
2024



LAW AND SUSTAINABILITY: TACKLING GLOBAL
ENVIRONMENTAL CHALLENGES



SUSTAINABILITY AND ENVIRONMENTAL LAW



EMERGING TRENDS IN SOLAR WATER HEATING TECHNOLOGIES

17.4 Education for the SDGs

17.4.2 - Does your university as a body have dedicated courses (full degrees, or electives) that address sustainability and the SDGs?

Number of Courses/Subjects Related to Sustainability and SDGs in Shatt Al-Arab University

No	Course title	Notes
1-	Renewable and nonrenewable energy	This course description definition and classification of energy sources: renewable (solar, wind, hydro, bioenergy, geothermal) vs. non-renewable (fossil fuels, nuclear)
2-	Solar energy	This course introduces renewable energy with a specific focus on solar energy. It aims to develop both technical understanding and practical skills related to photovoltaic (PV) systems and solar thermal technologies, including their applications, design, and system analysis.

- | | | |
|-----|--|---|
| 3- | Hydropower energy | <p>course explores the principles, technologies, and applications of harnessing water's power for electricity—covering both generation and storage methods, associated infrastructure, and real-world implementation.</p> <p>course delves into the conversion of organic materials into actionable energy forms. It encompasses the study of various</p> |
| 4- | Energy from Biomass | <p>biomass feedstocks, conversion pathways (both biochemical and thermochemical), system design, environmental impacts, and economic feasibility. Students explore technologies such as combustion, gasification, anaerobic digestion, biorefineries, and integrated biomass systems.</p> |
| 5- | Fuel cell | <p>course provides comprehensive insight into the science, engineering, and application of fuel cells—electrochemical devices that convert chemical energy directly into electricity with high efficiency and low emissions.</p> |
| 6. | Artificial intelligence | <p>This course description provides a brief survey of the most important characteristics, expected learning output, showing whether students have made full use of the learning opportunities. These characteristics have matched with the description of the program and charge sustainable development prediction and management of environmental such as optimize manufacturing processes, reducing waste production and improving energy.</p> |
| 7. | Software Engineering | <p>To introduce software engineering and to explain its importance To set out the answers to key questions about software engineering To introduce ethical and professional issues and to explain why they are of concern to software engineers as well as define, build, and run sustainable software applications.</p> |
| 8. | Design algorithms and technical software | <p>This course description provides a brief survey of the most important characteristics, expected learning output, showing that incorporating sustainability into the design of an algorithm from the very beginning, much environmental damage can be prevented.</p> |
| 9. | Advanced Intelligent Application | <p>This course description provides a brief survey of the most important characteristics, expected learning output, showing whether students have made full use of the learning opportunities. These characteristics have improve access to healthcare and education, reduce poverty, and promote economic growth.</p> |
| 10. | Operating system | <p>To describe the basic organization of computer systems to provide a grand tour of the major components of operating systems to give an overview of the many types of computing environments to explore several open-source operating systems as well as sustainability requirements need to be embedded into the operating model from the start - to create factories of the future, for the products of the future.</p> |
| 11. | Information security | <p>To protect of computer systems and networks from information disclosure, theft of, or damage to their hardware, software, or electronic data, as well as from the disturbance or misdirection of the services they provide.</p> |

- | | | |
|-----|---------------------------------------|---|
| 12. | Accounting | This is an introductory unit in accounting. The course encompasses three main themes: outlining the components of financial reporting in terms of the underlying theory or “conceptual framework” of accounting; providing students with a structured framework to assist them in attaining the literacy skills demanded in their academic lives and as part of their professional careers; and providing students with technical skills of accounting including the analysis, recording, preparation, and interpretation of accounting information. Sustainability accounting works alongside financial reporting – addressing the environmental, social and governance performance. |
| 13. | Accounting for Financial Institutions | Enhance the student's ability to process accounting for financial operations in banks and insurance companies. Sustainability is necessity for banks and financial institutions. They have a unique opportunity to drive positive change by integrating ESG principles into their operations, aligning with the values of stakeholders and consumers, and helping build a more sustainable world. |
| 14. | Materials and warehouse management | This course description provides a brief survey of the integrating, balancing and managing the economic, environmental and social inputs and outputs of the warehouse operations. |
| 15. | Risk management | Teaching fourth-grade students and qualifying them for the subject of Sustainability Risk Management (SRM) is the process of identifying, measuring, mitigating, and reporting on risks related with Environmental, Social, and Governance (ESG) factors that can affect the long-term success of an organization. |
| 16. | Government contracts management | This course description provides a brief summary of the most efficiency, transparency, and environmental impact reduction throughout the entire contract lifecycle. |
| 17. | production and operation management | This course description provides Sustainable Operations Management (SOM) strategy and its role in promoting environmentally, socially, and economically responsible practices. |
| 18. | Scientific Research Methodology | It aims to teach the student the cognitive skill about the contents of the scientific research curricula, and the most important methods adopted in its application, and for the student to learn how to prepare research and deal with various types of scientific research problems |
| 19. | knowledge management | This course description provides a brief survey of the most important characteristics, expected learning output, showing whether students have made full use of the learning opportunities. The five types of knowledge management are explicit, implicit, tacit, declarative, and procedural. Each type plays a role with the description of the program. |

20.	Economic	This course description refers to practices designed to create the long-term economic development of a company or nation while also managing the environmental, social, and cultural aspects of its activities
21.	Strategic management	Providing students with skills and concepts of strategic analysing, formulating, and implementing business strategies that are economically competitive, socially responsible, and in balance with the cycles of nature.
22.	Strategic thinking	Provide students with strategic looking beyond the immediate challenges and opportunities, and envisioning the long-term impacts and implications of your actions.
23.	insurance management	This course aims to reduce risk, develop innovative solutions, improve business performance, and contribute to environmental, social and economic sustainability.
24.	International Business Administration	Preparing and qualifying the students with international business refers to the practice of conducting operations and making decisions that consider the long-term economic, social, and environmental impact of a company's activities on the global stage.
25.	Environmental Engineering	This course is the type of engineering that seeks to undo past damage to the planet and work with the natural environment to create a better future for humanity and the places we inhabit.
26	Human Rights	This course description provides a brief survey of the most important characteristics of Human Rights and sustainability. It has four expectations on sustainability and social responsibility.
27	Administrative Law	This course description provides a brief survey of the most important characteristics of Administrative Law and sustainability. It has five expectations on sustainability and social responsibility.
28	Civil contracts	This course description provides a brief survey of the most important characteristics of civil contracts and sustainability. It has seven expectations focusing on including sustainability in the contracts .
29	International organizations	This course description provides a brief survey of the most important characteristics of International organizations and sustainability. It has three expectations focusing on International organizations working and it relationship with sustainability .
30	Environmental Sustainability in Oil and Gas Industry	This course description provides a brief survey of the most important characteristics of Environmental Sustainability in Oil and Gas Industry. It has nine expectations designed to how to help a wide range of stakeholders involved in the oil and gas industry.

Description:

Above is a list of the courses that have had changes approved through Shatt Al-Arab University Curriculum Refresh programme which aims to embed sustainability into all course and module content offered by the University.

The list also includes courses with sustainability already embedded, and those that include the Sustainability in Practice Certificate as part of the core curriculum.

Total number of courses with sustainability embedded for courses running in 2024/2025: 25

17.4 Education for the SDGs

17.4.3 - Does your university as body have dedicated outreach educational activities for the wider community, which could include alumni, local residents, displaced people?

In order to raise interest, awareness, and excitement in science and engineering among K–12 students and to prepare future students and aspiring professionals to solve technical challenges in a creative, ethical, environmentally responsible, and socially conscious manner, Shatt Al-Arab University firmly believes in the value of student chapters that assist in conducting off-campus outreach activities, such as K–12 outreach activities. For instance, Shatt Al-Arab University's Fuel and Energy Engineering Technology Department has created outreach roles for grades K–12. The chosen group gives targeted lectures on STEM, chemistry, and engineering to nearby schools.



Shatt Al-Arab University has offered free courses to the public community of Basrah/ Iraq during the academic year where it opens its doors to the public: Public course and educational events to the community. These courses are provided at the campus with the facilities required for the courses such as lectures room, PCs. ,smart TV , ...etc.

1- Holding specialized courses for legal and jurist consultants:

In an effort by Shatt al-Arab University College to develop the efficiency of graduates of law colleges and departments of legal and jurist consultants working in government departments and institutions in Basra Governorate, Shatt al-Arab University holds specialized courses as shown below in cooperation with the Continuing Education Center at Basra University. The participant is granted an accredited certificate for promotion purposes. These courses are taught by lecturers from the competent teaching staff in the Law Department, noting that they are held during the evening shift (from three o'clock to five o'clock). The university bears the fees of the participants in these courses.



Course Topics:

No.	Course Title	Course duration
1	State and Public Sector Employees Discipline Law No. 14 of 1991 as amended	Six days from 20/4 to 25/4/2025
2	Drafting government contracts and rules for their implementation	Six days from 27/4 to 2/5/2025

2- Holding development courses for English language teachers in modern teaching methods:

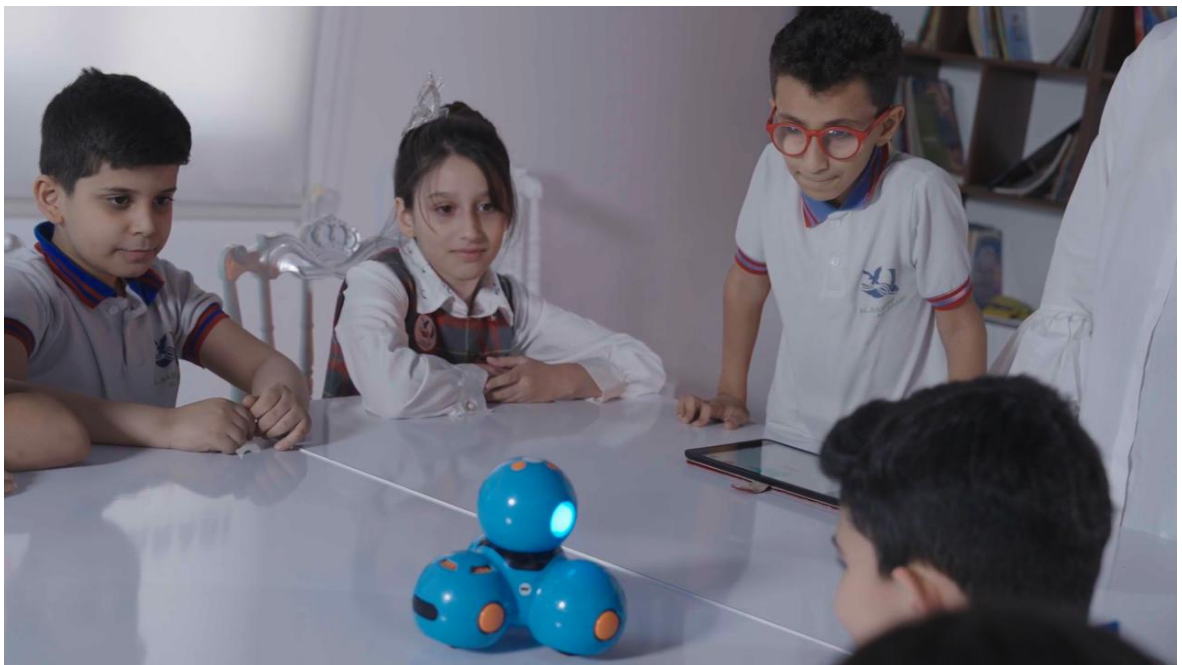
Within the framework of our association's annual program for the academic year 2024/2025, which is concerned with developing educational cadres, and given that the English Language Department at Shatt al-Arab University possesses specialized cadres with extensive experience in the field of teaching, development courses were held for English language teachers in modern teaching methods. This contributes effectively to supporting the educational sector in Basra Governorate.



3-Holding development courses for young children in robot technology:

Within the framework of our association's annual program for the academic year 2024/2025, which is concerned with developing educational cadres, and given that the Computer Science at Shatt al-Arab University possesses specialized cadres with extensive experience in the field of programming, basic courses were held for 10-12 years of primary school students in robot technology. This contributes effectively to supporting the educational sector in Basra Governorate.









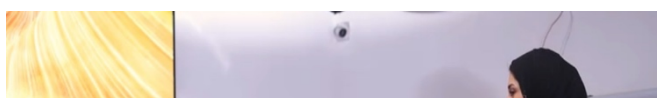




Robot Technology course by Assistant Lecturer Hussein Mazen

4-Holding development courses for young children in virtual reality technology:

Within the framework of our association's annual program for the academic year 2024/2025, which is concerned with developing educational cadres, and given that the Computer Science at Shatt al-Arab University possesses specialized cadres with extensive experience in the field of teaching, basic courses were held for 10-12 years of primary school students by education with virtual reality technology. This contributes effectively to supporting the educational sector in Basra Governorate.



Teaching course of virtual reality technology by Dr. Ali K. Mattar head of
computer science department

17.4 Education for the SDGs

17.4.4 - Does your university as a body measure the sustainability literacy of students?

Yes, Al-Shatt Al-Arab University in Basra does assess students' sustainability literacy. This is carried out through a combination of academic curricula and extracurricular activities. For instance, several courses particularly in the fields of engineering, business, and environmental sciences include topics related to sustainable development, environmental protection, and social responsibility.

In addition, the university organizes awareness campaigns, seminars, and workshops on sustainability, where student participation and feedback are used as indirect tools to measure their understanding. Some departments also conduct surveys and project-based assessments that evaluate students' knowledge and attitudes toward sustainability issues. These efforts reflect the university's growing commitment to embedding sustainability across academic and campus life.





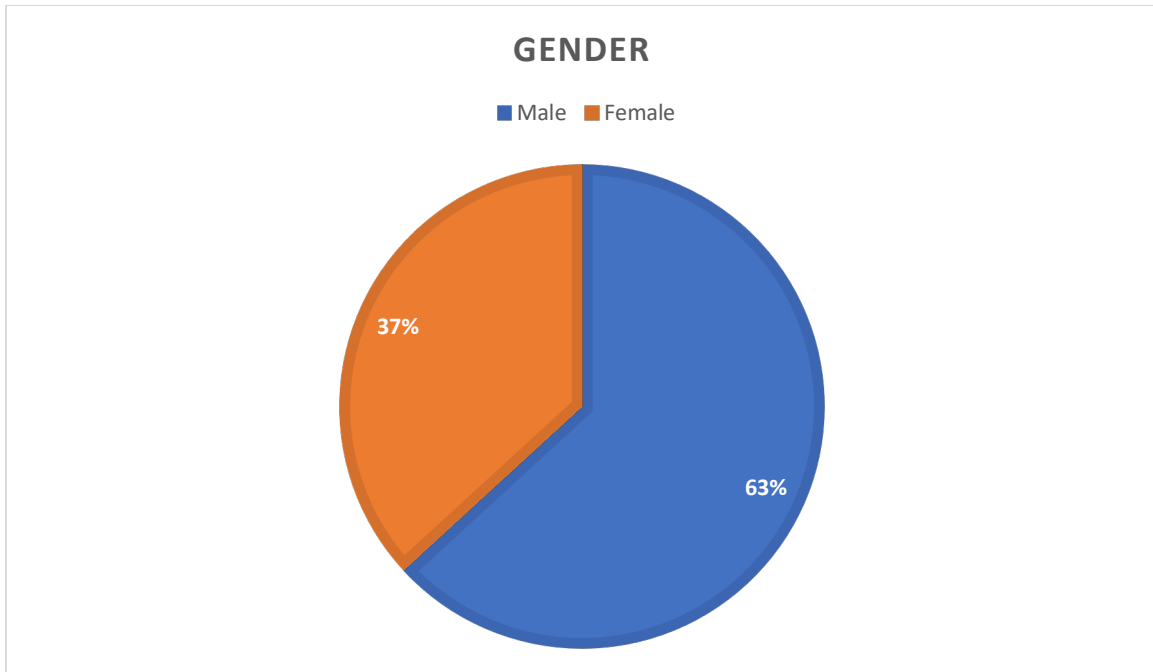
Evaluation questionnaire of SDGs in Shatt Al-Arab University 2024-2025

The aim of this section is to present an analysis of data that was collected during sustainability and the SDGs . The collected data had been statistically analysed to get the results and findings, based on the research questions that developed by quality assurance team which indicate the sustainability literacy of each students. The data collection has been analysed by using the well-known Microsoft Excel tool.

In the first section in the questionnaire it includes a general demographic information about the participants. This basic information consists of gender, and type of college. The total respondents for the study were 80. The demographic profile of respondents shown in table below. The highest percentage was male respondents, and the lowest percentage was female respondents. Out of 90 respondents, there were 60 respondents who were male (64.25 %) and 30 respondents who were female (36.75 %).

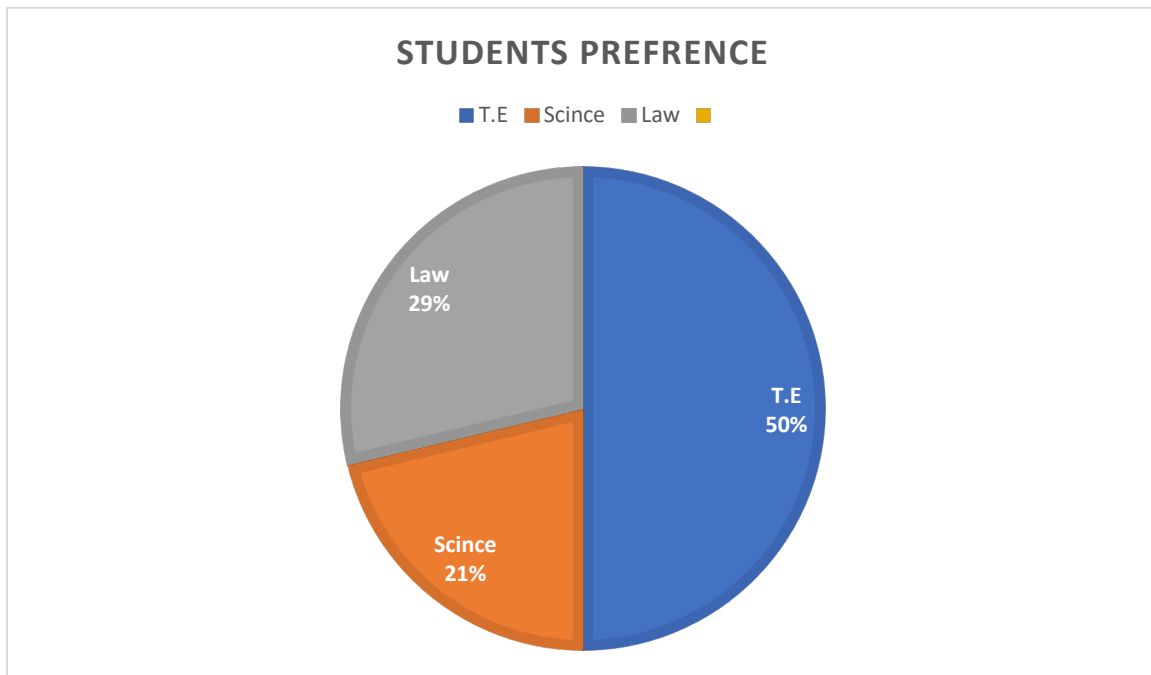
Gender Level of Respondents

Gender level	Frequency	Percent
Female	30	36.75 %
Male	60	64.25 %
Total	90	100.00 %



Based on the colleges that the students were attached to, the majority of the participants were from Technical Engineering and Engineering (40), (23) respondents Law, and (17) respondents Science. This variable of collages showed the various discipline that the students were in. Most of the respondents were from Technical Engineering and Engineering college and had the highest percentage(50 %) and for Law it was (29 %) , and the remaining percentage was for college of Science (21 %).

Types of college	Frequency	Percent
Technical Engineering and Engineering Science	40	50 %
Law	23	29 %
Total	90	100.00 %



In Question 1, participants were asked about the SDGs Performance Statement at the university. The results indicated that 35% of respondents agreed, while 27.5% disagreed. The mean score was 3.05 with a standard deviation of 1.13.

For Question 2, which involved evaluating the SDGs report parameters, 28.7% of participants agreed, and 27.5% were neutral. The mean score was 3.16 with a standard deviation of 1.13.

In Question 3, concerning profiles, sectors, and business units, 93.8% of respondents were neutral, and 3.8% disagreed. The mean score was 2.99 with a standard deviation of 0.25.

Question 4 addressed strategic priorities, with 38.8% agreeing and 35% being neutral. The mean score was 3.10 with a standard deviation of 0.85.

For Question 5, regarding value creation, 51.2% agreed, and 20% were neutral. The mean score was 3.14 with a standard deviation of 1.02.

In Question 6, concerning sustainable development, 36.3% agreed, and 27.5% disagreed. The mean score was 2.86 with a standard deviation of 1.04.

Question 7 focused on stakeholder engagement, with 23.8% agreeing, 48.8% disagreeing, and 18.8% being neutral. The mean score was 2.57 with a standard deviation of 0.95.

For Question 8, about the materiality process, 43.8% agreed, and 27.5% disagreed. The mean score was 3.06 with a standard deviation of 0.95.

In Question 9, concerning the environment, 32.5% agreed, and 32.5% were neutral. The mean score was 2.91 with a standard deviation of 0.93.

Question 10 addressed social aspects, with 42.5% agreeing, and 30% being neutral. The mean score was 3.14 with a standard deviation of 0.85.

Finally, in Question 11, regarding governance, 35% agreed, and 40% were neutral. The mean score was 3.08 with a standard deviation of 0.82.

No	Question	Strongly Disagree (f)	Disagree (f)	Neutral (f)	Agree (f)	Strongly Agree (f)	Mean	Standard Deviation (Sd)
1	SDGs Performance Statement	9 (10%)	25 (27.78%)	19 (21.11%)	31 (34.44%)	7 (7.78%)	3.05	1.13
2	Report Parameters	6 (6.67%)	25 (27.78%)	25 (27.78%)	26 (28.89%)	8 (8.89%)	3.16	1.13
3	Profiles, Sectors, and Business Units	0 (0%)	4 (4.44%)	84 (93.33%)	2 (2.22%)	0 (0%)	2.99	0.25
4	Strategic Priorities	2 (2.22%)	21 (23.33%)	31 (34.44%)	35 (38.89%)	1 (1.11%)	3.10	0.85
5	Value Creation	8 (8.89%)	18 (20%)	18 (20%)	46 (51.11%)	0 (0%)	3.14	1.02
6	Sustainable Development	9 (10%)	22 (24.44%)	20 (22.22%)	29 (32.22%)	0 (0%)	2.86	1.04
7	Stakeholder Engagement	7 (7.78%)	39 (43.33%)	15 (16.67%)	19 (21.11%)	0 (0%)	2.57	0.95
8	Materiality Process	4 (4.44%)	22 (24.44%)	19 (21.11%)	35 (38.89%)	0 (0%)	3.06	0.95
9	Environment	5 (5.56%)	23 (25.56%)	26 (28.89%)	26 (28.89%)	0 (0%)	2.91	0.93
10	Social	1 (1.11%)	21 (23.33%)	24 (26.67%)	34 (37.78%)	0 (0%)	3.14	0.85
11	Governance	2 (2.22%)	18 (20%)	32 (35.56%)	28 (31.11%)	0 (0%)	3.08	0.82

Appendix: An Evaluation Scale of SDGs in Shatt Al-Arab University 2024-2025

General Information

Gender

Male	Female
☐	☐

College

Instruction

Please put a tick ✓ in the box next to the answer of your choice.

Please rate the following elements of the Sustainable Development Report

1- SDGs Performance Statement.

Strongly disagree	Disagree	Neutral	Agree	Strongly agree
☐	☐	☐	☐	☐

2- Report Parameters

Strongly disagree	Disagree	Neutral	Agree	Strongly agree
☐	☐	☐	☐	☐

3- Profiles, sectors and Business Units

Strongly disagree	Disagree	Neutral	Agree	Strongly agree
☐	☐	☐	☐	☐

4- Strategic Priorities

Strongly disagree	Disagree	Neutral	Agree	Strongly agree
☐	☐	☐	☐	☐

--	--	--	--	--

5- Value creation

Strongly disagree	Disagree	Neutral	Agree	Strongly agree

6- Sustainable Development

Strongly disagree	Disagree	Neutral	Agree	Strongly agree

7- Stakeholder Engagement

Strongly disagree	Disagree	Neutral	Agree	Strongly agree

8- Materiality process

Strongly disagree	Disagree	Neutral	Agree	Strongly agree

9- Environment

Strongly disagree	Disagree	Neutral	Agree	Strongly agree

10- Social

Strongly disagree	Disagree	Neutral	Agree	Strongly agree

11- Governance

Strongly disagree	Disagree	Neutral	Agree	Strongly agree