



جامعة الامير سلطان
PRINCE SULTAN
UNIVERSITY



Sustainable Development Report 2024

رؤية
VISION
2030
المملكة العربية السعودية
KINGDOM OF SAUDI ARABIA



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Center for Sustainability and Climate



Who we are

Prince Sultan University's Center for Sustainability and Climate (CSC) is committed to the United Nations Sustainable Development Goals (SDGs) through effective institutional resources management, innovative teaching and learning, research, national and international partnerships, continuous studies, and outreach. PSU shall undertake the following activities: form higher and steering committees, evaluate each SDG, formulate and develop related SDG policies, conduct awareness campaigns to the PSU community, establish a sustainability office, identify the SDGs related to each college, program, and course, and lab centers at PSU, and implement sustainability-related initiatives.

Vision

To support Saudi Arabia's Vision 2030 and the United Nations Sustainable Development Goals (SDGs) towards sustainability and climate justice by inspiring action, developing leadership, and building networks.

Mission

Supporting the Saudi Arabia's Vision 2030 and the PSU's strategic directions, Prince Sultan University's Center for Sustainability and Climate (CSC) transform commitments into action and build a decarbonized, more sustainable world, driving technological and economic transformations to realize sustainable competitive advantage. To coordinate, promote, and accelerate interdisciplinary research and training on sustainability and climate, and the role of humans in the environment.



Foreword from the President



SDG Higher Committee Chair, PSU

Dr. Ahmed Bin Saleh Al-Yamani

President, Prince Sultan University, Saudi Arabia,

PhD, Civil Engineering, University of Michigan, USA. Founding editor, 'PSU Research Review: An International Interdisciplinary Journal' (Emerald Group Publishing Limited, UK). Board member, National Commission for Assessment and Academic Accreditation (NCAAA), Ministry of Education, Saudi Arabia

Greetings! It is a great pleasure for all of us here at PSU, and we are indeed delighted, pleased, privileged to be taking part in the Times Higher Education Impact Ranking. PSU is committed to applying the UN SDG 2030 as part of PSU with our strategic and support to the Kingdom of Saudi Arabia 2030 vision, which in terms of integrating the UN 2030, 17 global goals. Thus, PSU is participating in the upcoming Times Higher Education Impact Ranking, which is solely based upon the SDG 2030. Since the impact rankings are measured based on three broad areas such as research, outreach, and stewardship for the goals, PSU is always determined to perform very well. Therefore, PSU is significantly focusing on several SDGs, including SDG 4, which is quality education, and that's what PSU is all about. SDG 5, gender equality, is reflected in our student body, where 60 percent of our students are female. We at PSU are keen to show how PSU teaches the next generation of PSU students to a depth of sustainability in their lives. We will be demonstrating our commitment to meaningful education around SDGs in our programs and classrooms. So, PSU for higher committees and subcommittees to oversee and follow up on our performance and compliance with the SDGs. SDG 8 Decent Work and that's also reflected in our graduates, about 90 percent of our graduates get jobs within three months. SDG16, peace and justice, reflects PSU outstanding law school and SDG 17, which is the partnership for goals comprehensive. So, we are looking forward to and excited about our continued success with SDG compliance.





Director of CSC



Professor Mohammad Nurunnabi

PhD (Edinburgh), FAIA(Acad), SFHEA, FRSA, CMBE, CMA, FFA, FIPA, CPA

Director, Center for Sustainability and Climate (CSC), Aide to the President and Chair in Accounting Prince Sultan University, Saudi Arabia, Academic Visitor (Senior Member) in St Antony's College, University of Oxford, United Kingdom

Professor Mohammad Nurunnabi, PhD (Edinburgh), SFHEA, FRSA, FAIA (Acad), CMBE, FFA, FIPA, CMA, CPA is the Director of Center for Sustainability and Climate, Aide to the President on Ranking and Internationalization, and Chair of the Department of Accounting at Prince Sultan University, Saudi Arabia. He is an Academic Visitor (Senior Member) of St Antony's College, University of Oxford, Oxford, United Kingdom. Previously he has taught in University of East London, United Kingdom (UK), University of Bedfordshire (UK), and Edge Hill University (UK). Prior to his academic career, he worked as a financial team member in ADVFN Plc (covers in excess of 70 stock exchanges from across the globe), London, UK. He holds a PhD with an outright pass (no corrections) from the University of Edinburgh, UK. He is a Certified Public Accountant (CPA), a Chartered Management Accountant (CMA), a senior fellow of Higher Education Academy (SFHEA), UK, an academic fellow of the Association of International Accountants (FAIA-Acad), fellow of the Royal Society of Arts (FRSA), Certified Management & Business Educator (CMBE), Fellow, Institute of Financial Accountants (FFA), and Fellow of Institute of Public Accountants (FIPA). He is an academic member of the Institute of Management Accountants (IMA), European Accounting Association (EAA), British Accounting and Finance Association (BAFA), and American Accounting Association (AAA). He has been active within the accounting profession and is a Vice President (Education) of the IMA Riyadh Chapter, Saudi Arabia and a Global Advisory member of the Diversity Thought Leadership Pipeline (DTLP) Committee of the IMA, USA. Under his leadership, Prince Sultan University (PSU) became the second private university in the world (outside US) to earn AACSB accounting accreditation in 2022. Recently, he is co-chairing Teaching & Curriculum Committee of International Accounting Section of American Accounting Association (AAA).





Associate Director of CSC



Dr. Sanjida Haque

Associate Director, Center for Sustainability and Climate (CSC) Prince Sultan University, Saudi Arabi

Dr. Sanjida Haque is an Associate Director of Center for Sustainability and Climate (CSC) at Prince Sultan University, Saudi Arabia. She has a PhD and Master from Universiti Sains Malaysia, Malaysia.

Manager of CSC



Ms. Muneera bin Dakhayel

Manager, Center for Sustainability and Climate (CSC) Prince Sultan University, Saudi Arabia

Ms. Muneera Bin Dakhayel holds a BA in English Language and Literature from King Saud University with honors. She has organized a number of events, occasions and competitions in the field of sustainability with local and foreign industries, she has translated papers and research related to this matter.

Manager of the Research Journal of PSU



Ms. Jawaher Aldrees

Manager of the Research Journal, Prince Sultan University, Saudi Arabia

Jawaher is the manager of the Research Journal at Prince Sultan University. She holds a Bachelor's degree in English Language and Literature from King Saud University, Kingdom of Saudi Arabia, and holds a Business Administration Certificate from Georgetown University, USA. she is an active member in the center of sustainability and climate as she helped arrange many events and meetings for the center.



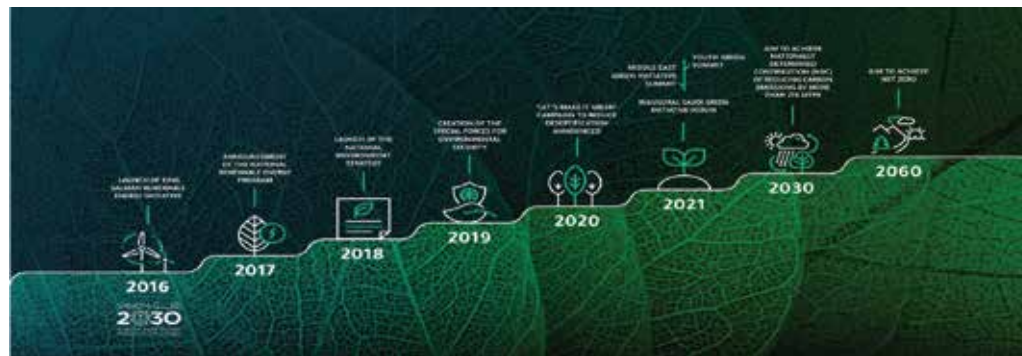
Message from the Director

Prince Sultan University's Center for Sustainability and Climate (CSC) is committed to the United Nations Sustainable Development Goals (SDGs) through effective institutional resources management, innovative teaching and learning, research, national and international partnerships, continuous studies, and outreach. Since the launch of Vision 2030 in 2016, the Kingdom has taken significant steps to scale up its climate action and environmental protection. Our mission is to support the Saudi Arabia's Vision 2030 and the PSU's strategic directions. Prince Sultan University's Center for Sustainability and Climate (CSC) transform commitments into action and build a decarbonized, more sustainable world, driving technological and economic transformations to realize sustainable competitive advantage. To coordinate, promote, and accelerate interdisciplinary research and training on sustainability and climate, and the role of humans in the environment. With the launch of the Saudi Green Initiative in 2021 as part of Saudi Vision 2030, the Kingdom has reaffirmed its belief in a sustainable future for all. According to Saudi Green Initiative "The first wave of more than 60 initiatives announced under SGI—and unveiled at the October 2021 Saudi Green Initiative Forum—represent over SAR 700 billion investment to contribute to the growth of the green economy. Under the patronage of HRH Crown Prince Mohammed bin Salman, the Saudi Green Initiative now takes efforts to the next level by unifying all sustainability efforts in the Kingdom to increase reliance on clean energy, offset the impact of fossil fuels and combat climate change." The Center for Sustainability and Climate (CSC) at PSU is strongly committed to contribute to the initiatives of Saudi Green Initiative, Saudi Vision 2030 and of course the United Nations Sustainable Development Goals (SDGs).

We will work together
to make a better world.

Prof. Mohammad Nurunnabi

05



SUSTAINABLE DEVELOPMENT GOALS

رؤية
2030
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Second Saudi
University in
SDG 17

First Saudi
University to Pledge
Net Zero Carbon
University by 2060

No Poverty



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PSU has contributed in several ways to the reporting of SDG No. 1 and the accomplishment of the objective of eradicating poverty. via collaborations, community involvement, teaching, and research. PSU has contributed significantly to initiatives aimed at reducing poverty and has assisted in tracking advancements achieved toward this important sustainable development objective.

Research and Data Collection

PSU researchers have studied poverty-related topics locally and internationally and have gathered data on them. This study has aided in tracking the advancements made in the fight against poverty and offered insightful information on the causes of poverty.

Heliyon 10 (2024) e25440



Research article

Statistical and computational analysis for corruption and poverty model using Caputo-type fractional differential equations

Mansour A. Abdulwasaa^a, Sunil V. Kawale^a, Mohammed S. Abdo^{b,d}, M. Daher Albalwi^c, Kamal Shah^{d,e,f}, Bahaaeldin Abdalla^d, Thabet Abdeljawad^{d,g,h,*}

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^c Yanbu Industrial College, The Royal Commission for Jubail and Yanbu, 30436, Saudi Arabia

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^g Department of Medical Research, China Medical University, Taichung 40402, Taiwan

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Public-Private Partnerships in driving Sustainable Agricultural Growth for Addressing Poverty and Food Insecurity in Nigeria

Yusuff Jelili Amuda¹, Rehana Parveen²

Abstract

Poverty and food insecurity have become a concern in various parts of the world including Nigeria which are regarded as impediments for achieving sustainable development goals (SDGs). Overwhelming studies have explored the roles and contributions of public-private partnerships (PPP) in driving various aspects of the economy in general and gross domestic product (GDP) in particular. However, less focus of attention is given to public-private partnerships (PPP) in fostering the sustainable agricultural growth in Nigeria in order to addressing poverty and food insecurity in Nigeria. Content and critical analysis is used in this study as a methodological approach. Secondary data were used which were sourced through academic databases such as journals from google scholar. The result demonstrated that the current hike in the price of commodities in the country contribute to the proliferation of poverty among the households and the challenges of kidnapping and banditry immensely contribute to the challenge of food security in the country. The challenge of funds identified among the farmers contribute immensely to high level of poverty and prevalence of food insecurity in the country. It is therefore suggested that the government should encourage provision of funds through an effective collaboration of public-private partnerships (PPP) in driving sustainable agriculture growth in the country. In so doing, it would strengthen the income of households through farming and sustainable agricultural productivity for poverty alleviation and food security will be achieved.

Keywords: Poverty, Food Insecurity, Public-Private Partnerships (PPP) Gross Domestic Product (GDP), Sustainable Development Goals (SDGs).



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Utilization of Islamic Financial Instruments for Poverty Reduction and Sustainable Households in Nigeria

Yusuff Jelili Amuda¹, Sanaa Elshaarawy²

Abstract

Predominant poverty has affected many households in Nigeria and little focus of attention is given to the utilization of Islamic financial instruments in addressing the challenges of poverty and sustainable household in the country. The study attempts to fill the gap in the existing literature concerning the utilization of Islamic financial instruments for poverty reduction and sustainable households in the country. Qualitative research method with an emphasis on critical content analysis was utilized. Materials or different sources were used where journals, online peer review, and library sources were considered for in-depth analysis of Islamic financial instruments for poverty reduction and sustainable households in attaining vision 2030 in the country. Adequate implementation of various Islamic financial instruments that would create room for inclusion through which low-income families or families in poverty would experience sustainable standard of living through an efficient Islamic financial instrument for their empowerment. Hence, it will expand the scope and understanding of Islamic financial instruments in the context of Nigeria. In so doing, there would be basis for restructuring the economic conditions of households experiencing an abject poverty by ensuring that their living conditions are improved for better. An emphasis on the judicious utilization of Islamic financial instruments especially towards sustainable households in the country is an integral part of expanding the understanding about the efficiency of Islamic financial instruments in the society. Central bank of Nigeria has issued a drafted framework for up-gradation of Islamic financial instruments and operation of Islamic banking system and less attention is given to the up-gradation of Islamic financial instruments in the country. This paper therefore has tried to provide explanation for the application of utilizing Islamic financial instruments for poverty reduction and sustainable households in the country.

Keywords: Islamic financial instruments; Poverty; sustainability; sustainable development goals; vision 2030; sustainable households.



Empirical investigation of Islamic legal framework, crowd humanitarian funds and poverty reduction in selected Organization of Islamic Cooperation (OIC)

Yusuff Jelili Amuda, Shafiqul Hassan ▾

International Journal of Social Economics

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Article publication date: 22 August 2023

Permissions 

Issue publication date: 21 March 2024

DOWNLOADS ALTMETRICS



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Teaching and Education

PSU has incorporated the study of poverty and its multidimensional aspects into its academic service-learning programs. This can help students understand the root causes of poverty, its impact on society, and potential solutions.

Elite Program in Collaboration with Monsha'at



Elite Program in Collaboration with Monsha'at. Monsha'at "Small or Medium Enterprises General Authority" (SMEs) provides job opportunities for the Saudi people and fosters economic empowerment for youth and women. They contribute to the growth and diversity of the economy. Also, they are critical to reduce poverty and contribute to rural and regional development.



CSCE's Classroom with a Cause

**"we make a living by what we get.
we make a life by what we give."**
—Winston S. Churchill

Dear PSU family,

With the current pandemic, and the toll it took on all our lives, reaching out to help others can help in creating a healthier and happier community for all of us.

"Classrooms with a Cause" is a weekly community service activity which gives you the opportunity to shed some light on program related issues you care about, brainstorm effective solutions to heal the problem, be a leading cause in a communal service, and improve the quality of life.

We need **YOU** to join our team and make our community better, one Google Meet at a time!

To register: <https://forms.gle/7UgAyxTskhKupaXg>
Start date: October 5th 2020

FREE

OPEN TO PUBLIC

*For more information, please contact: Rnasrullah@psu.edu.sa
*Certificates will be given

CU

"Classrooms with a Cause" is a weekly community service activity which gives you the opportunity to shed some light on program related issues you care about, brainstorm effective solutions to heal the problem, be a leading cause in a communal service, and improve the quality of life. We need YOU to join our team and make our community better, one Google Meet at a time!

Al-Motaqadimah school Visit

FIELD TRIP

FINANCIAL LITERACY AND ENTREPRENEURSHIP SKILLS

CBA



In accordance with PSU Strategic Plan Theme 4: Outreach, Marketing, and Partnerships and in alignment with Goal: 1; "Develop and improve PSU community service and continuing education programs and initiatives-Objective: ""To expand community services:"" and in accordance with SDGs, this suggestion belongs to: SDG:4 "Quality Education.



Community Engagement



مركز خدمة المجتمع والتعليم المستمر
Center for Community Service and Lifelong Education

جامعة الأمير سلطان
PRINCE SULTAN UNIVERSITY

قادة المستقبل

زيارة لدار الأيتام
من تنظيم نادي المحاسبة
وأشراف د/ وليد السحياني



السبت 23 مارس 2024

09:30م - 12:30ص

www.psu.edu.sa

PSU RUN ٢٠٢٤

PSU has used outreach initiatives to interact with nearby communities. By giving underprivileged communities resources, knowledge, and assistance, these initiatives aim to combat poverty.

Future Leaders for Orphans

Prince Sultan University and the Ensan Orphan Charity organized a field trip for 45 orphans during Ramadan. 25 volunteers, including students, assisted in guiding the children. The trip provided unforgettable experiences, enhanced skills, and raised awareness about volunteering and community service. The children's enthusiasm and smiles emphasized the importance of such initiatives. The collaboration fostered goodwill and strengthened bonds between the university and the local community.

Warm Winter for All

The "Warm Winter for All" event at PSU aimed to provide warmth and comfort to people during harsh winter conditions. Participants were encouraged to buy warm clothing from a reliable website, which offered affordable and reliable options. The event aimed to encourage kindness and kindness among faculty, students, and employees.





Joud

Joud is a charitable project which held every semester three several times on a row, the last one was in April 10th, 11th, and 12th 2016, where individuals from community participate in donating electronic devices to CSCEC who will seek for the unfortunate schools to fix and deliver the devices.

Innovation and Entrepreneurship

PSU has encouraged entrepreneurship and innovation by assisting researchers and students in creating anti-poverty solutions. This covers programs that have boosted economic empowerment, enhanced access to healthcare and education, and produced jobs.

Home Investors

Three faculty members have organized two Home Investors Exhibition sessions in collaboration with CSCEC and the Home-Based Investment Committee at Riyadh Chamber of Commerce. They are responsible for conceptualizing, planning, executing, and guiding the event, engaging with stakeholders, scheduling consultations, workshops, networking sessions, and preparing a comprehensive event report. This Exhibition enhances financial literacy skills among the community



Mishkat

A charitable idea by two PSU-IS students wanted to help community with their technological knowledge as senior students. By following CSCEC vision to meet community needs, since that time Mishkat was the most popular project among society and PSU students as well where they found Mishkat as an opportunity to express their talents in teaching Charity beneficiaries who are in the same of their age.



Awareness and Advocacy Campaigns

PSU has raised awareness about poverty-related issues through workshops, seminars, and public lectures. These activities have encouraged dialogue and action on poverty reduction through community involvement.

Saudi Human Capital Club

The Saudi Human Capital Club, a social responsibility program at PSU, held its first activities in 2024 under the title "Methodology of Strategic Workforce Planning." The event, hosted by Mr. Malek Al-Enazi, Director of the Strategic Workforce Planning Department, and Mr. Saleh Al-Dairi, moderator, discussed the Ministry of Human Resources and Social Development's strategic workforce planning initiative. The initiative aims to increase government spending efficiency, make strategic decisions based on accurate data, and improve work teams' capabilities. Mr. Al-Enazi explained the concepts, standards, and challenges faced by human resources specialists in strategic workforce planning. The club aims to become the preferred forum for all human resources practitioners in the Kingdom, fostering a professional community for exchanging expertise and experiences.

Global Collaboration

PSU has participated in international networks and collaborations focused on poverty reduction. This enables the sharing of knowledge and best practices on a global scale.

Elite Program in Collaboration with Monsha'at

CSCEC partnered with Elite UK and Monsha'at to provide small and medium enterprises with skills and tools by PSU faculty members from the College of Business who customized the Elite modules in order to provide Monsha'at "Small or Medium Enterprises General Authority" (SMEs) with the most relevant information possible to equip them to grow and succeed in our ever-changing economy which is stated in CSCEC mission and vision.



Zero Hunger



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Engagement with academia by the United Nations World Food Programme to discuss

THE CRITICAL ROLE OF SAUDI YOUTH IN ADDRESSING FOOD INSECURITY

in the Middle East and North Africa

We are pleased to invite you to attend an event titled "The critical role of Saudi Youth in Addressing Food Insecurity in the Middle East and North Africa" to be held on March 13th 2023 under the sponsorship of King Salman Humanitarian Aid & Relief Centre (KSrelief), and World Food Programme (WFP), which will take place on Prince Sultan University (PSU) campus. The event aims to bring together prominent actors in the humanitarian field, including regional organizations, NGOs, UN agencies, technical experts, researchers, and academicians.

Date
March 13th, 2023

Time
12:45 PM - 13:45 PM

Venue
Building 104,
Prince Sultan University,
Riyadh, Saudi Arabia

Panelists



Ms. Corinne Flescher
WFP Regional Director for the Middle East, North Africa, and Eastern Europe



Mr. Alberto Mendes
WFP Country Director, Jordan



Mr. Samer AbdelUaber
WFP Country Director, Palestine

Moderator



Professor Dr. Mohammed Nuruunnabi
Aide to the President on Ranking and Internationalization; Director, Centre for Sustainability and Climate; Chair of the Department of Accounting at Prince Sultan University, Saudi Arabia

Participants will draw upon the combined experiences of leading international humanitarian actors working on the ground in countries where conflicts; in addition, speakers will discuss the impact of food insecurity in the region, WFP's response, and the critical role of the next generation of Saudi leaders to address the challenge.

www.psu.edu.sa

Facebook Twitter YouTube Instagram



PepsiCo's Food for Thought in Partnership with Prince Sultan University

Panel (1)
Unlocking Youth Potential in the mission towards Zero Waste and Sustainable Development Goals

Date: **1 SEP 2022**
Time: **12:00 to 12:30 PM**
Venue: **PSU Auditorium Building 105**

PepsiCo's Food for Thought in Partnership with Prince Sultan University

1. Unlocking Youth Potential in the mission towards Zero Waste and Sustainable Development Goals
2. Towards Sustainable Development Goals and Saudi Vision 2030



PepsiCo and Prince Sultan University - First student-led competition



SAUDI ARABIA, 23 March 2023 – Following the memorandum of understanding (MoU) signed in September 2022, PepsiCo, the leading food and beverage company in the region and the Prince

Sultan University (PSU) have activated their first phase of student competitions, with winners announced last Monday. Cash prizes were given to each category winner ranging from first to fifth place, worth up to eight thousand Saudi Riyals.

Good health and well-being



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Prince Sultan University is fully committed to good health and wellbeing. This is clearly reflected on different fronts. On the research front, the university faculty members produce quality research on health issues from different perspectives, particularly computer science and engineering. Additionally, PSU has formed collaborations with local and global health institutions.

For example, the university's prosthetics centre collaborates with Sultan Bin Abdulaziz Humanitarian City in Saudi Arabia and Nia Technologies Incorporation in Canada. The university also pays great attention to the health of its students and staff through a number of policies and services, such as a smoke-free policy, the provision of mental health support through the counselling offices at both the male and female campuses and the arrangement of campus visits by different hospitals and health centres to raise awareness of important health issues, such as diabetes, breast cancer, drug abuse, etc. The university extends its services to the local community to improve health and well-being through different strategies, including arranging blood donation campaigns, paying visits to hospitals and schools by outreach committees, holding mental health awareness sessions by the Psychology Club and providing sports training by the physical education clubs.

The university makes its sports facilities, including swimming pools, basketball and volleyball courts and football pitches, accessible to the local community in pre-scheduled programs. Additionally, the university arranges regular sports competitions for schools and other institutions and offers special sports training programs for different age groups.



Workshop on artificial intelligence (AI) in medical imaging and assistive devices

The Smart Systems Engineering Laboratory hosted an online workshop on artificial intelligence (AI) in medical imaging and assistive devices on 31-1-2024. Dr. Wahyu Rahmانيar, an assistant professor at the Institute of Innovative Research, Tokyo Institute of Technology, Japan, was the guest speaker. She shared her insights on how AI is transforming healthcare by enhancing medical imaging and assistive devices and also shared her research findings in this area.



Women in STEM: Change the World



STEM Exhibition Day

Artificial Intelligence & Data Analytics (AIDA) Lab
Data Science Club

Women in STEM: Change the World!

النساء في العلوم والتكنولوجيا والهندسة والرياضيات
غيري العالم



Sunday, 12th Feb, 2023
9:00 AM- 2:00 PM

The exhibition has 3 submission categories:

- Tangible Product Project
- Prototype
- Research based project

Join us to support gender equity in STEM!
انضم إلينا لدعم المساواة بين الجنسين في STEM

For any assistance, feel free to contact
aidalab@psu.edu.sa



Quality Education



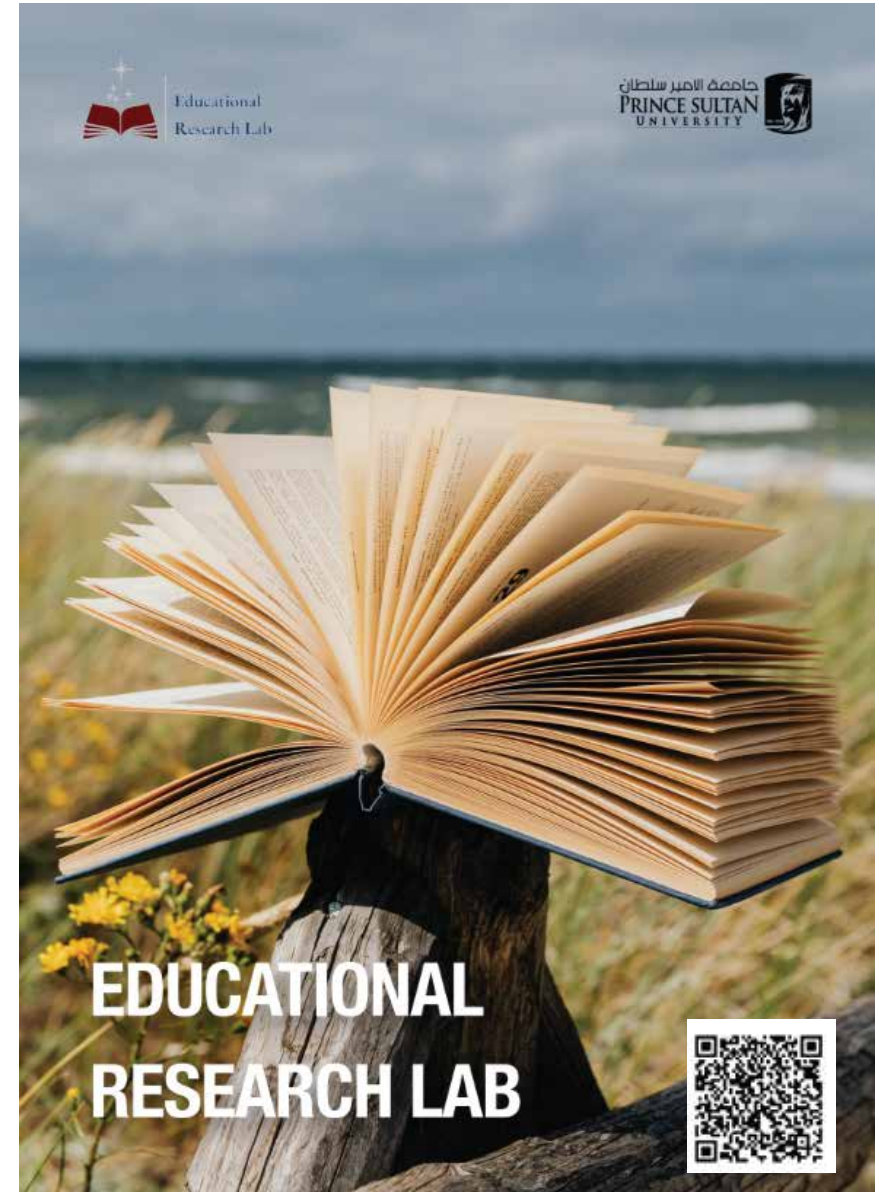
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Quality education is a fundamental goal that drives the mission at Prince Sultan University. As an institution dedicated to providing top-notch education, PSU prioritizes the development of students' critical thinking skills, creativity, and problem-solving abilities. With a commitment to fostering a vibrant learning environment, the university offers a diverse range of academic programs and extracurricular activities that empower students to excel in their chosen fields. By promoting inclusive and equitable education for all, PSU plays a crucial role in shaping the future leaders of tomorrow. PSU established the Educational Research Lab (ERL) with a vision to bridge the worlds of education research and education practice with a mission of supporting a more evidence-based education system. The ERL translates research to practice in partnership with educators, practitioners, and policymakers to develop and use research that improves academic outcomes for students.

In addition, the ERL conducted a yearly symposium to produce a unique experience in the field of Educational Research via this symposium by presenting qualified speakers, carefully selected paper presentations/posters, and intensive professional development workshops.





Educational Research Lab



2023 ANNUAL ACTIVITY REPORT

EDUCATIONAL RESEARCH LAB

ERL conducted a yearly symposium to produce a unique experience in the field of Educational Research via this symposium by presenting qualified speakers, carefully selected paper presentations/posters, and intensive professional development workshops.

The ERL aims to:

1. Produce a unique experience in the field of Educational Research via this symposium by presenting qualified speakers, carefully selected paper and poster presentations, and intensive professional development workshops.
2. Establish communication among educators and professionals at the local, regional, and international levels about the needs of teaching and learning for both K-12 schools and higher education institutions.
3. Develop an ongoing program where educators in the region can get information and stimulation in their respective fields by allowing them to participate in seminars, workshops, and educational training programs.





The 3rd International Symposium on Education Research (ERL 2023)

Workshop Partners

Gender Equality



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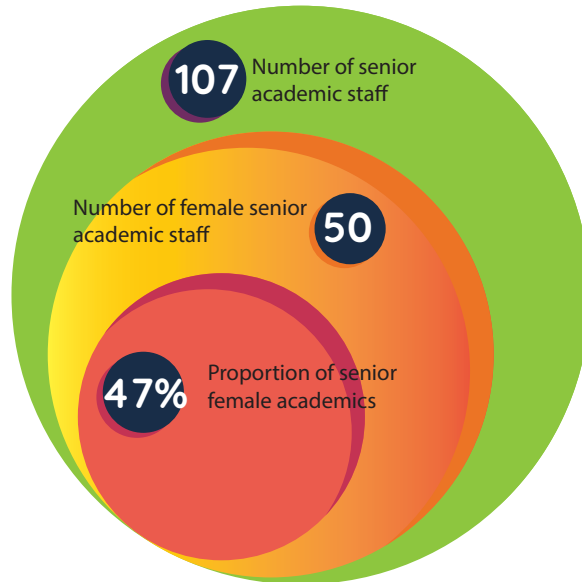


Proportion of women receiving degrees

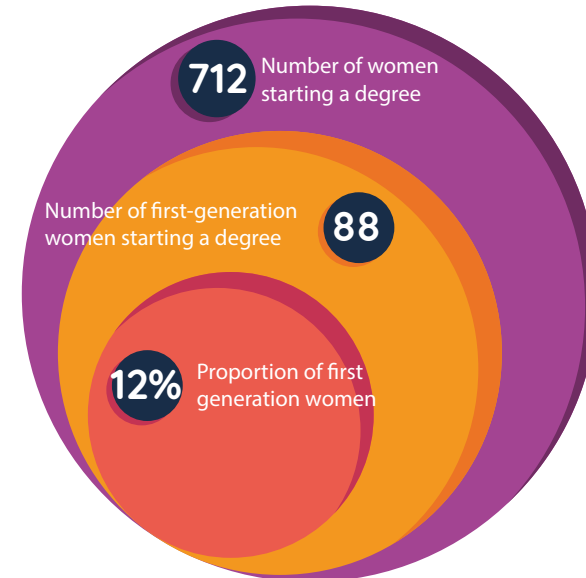


Subject	Number of graduates	Number of female graduates
STEM	205	79
Medicine	0	0
Arts & Humanities / Social Sciences	481	335
Total	686	414

Proportion of senior female academics



Proportion of women first-generation





Policies

Anti-Discrimination Policy

Prince Sultan University PSU
Policy Management System
Anti-Discrimination Policy



Policy Code:	GV0007
Policy Name:	Anti-Discrimination Policy
Handler:	PSU President
Date Created:	15 August 2020
Date of Current Review:	01 November 2022 (Click to see previous review dates)
Approved by:	University Council
Date of Approval:	02/09/2020

Gender Equality Policy

Prince Sultan University PSU
Policy Management System
Gender Equality Policy

Policy Code:	GV0008
Policy Name:	Gender Equality Policy
Handler:	The President Office
Date Created:	15 July 2020
Date of Current Review:	01 November 2022 (Click to see previous review dates)
Approved by:	PSU University President
Date of Approval:	11 November 2022





Personnel governing policies and regulations

Article (80)

A Muslim female employee whose husband passes away shall be entitled to a fully paid leave for 130 days as of the date of her husband's death. A non-Muslim employee whose husband passes away is entitled for a fully paid fifteen-day leave.

Article (81)

A pregnant employee shall be entitled to a maternity leave for ten weeks, starting with a maximum of four weeks before the expected date of delivery.

Article (82)

During maternity leave, the employee shall be entitled to the following:

1. Extend the leave for one-month unpaid leave.
2. Fully paid one-month leave in the event of giving birth to a sick child or a person with a disability, whose health condition requires continuous accompaniment.

PERSONAL LEAVE (Female Staff)

Article (83)

A female employee shall have the right to have a leave with full pay in the following cases:

- a. Five days upon getting married.
- b. Two days in case of a family emergency.
- c. Five days in case of a death of a spouse, or one of her ascendants or descendants.

The University may request any supporting documents for all mentioned cases.



Faculty governing policies and regulations

Article (60): The faculty member who proves his illness by virtue of a medical report issued by a certified medical reference is entitled to sick leave during a year, according to the following:

1. Full pay for the first thirty days.
2. Three-quarters of full salary for the next sixty days.
3. Without pay for the next thirty days.

Article (61): The faculty member shall not be entitled to a sick leave in case of sickness during travel outside the Kingdom for a reason other than an official delegation.

Article (62): Sick leave provided for in Article (59) shall be doubled in case of sickness caused by work.

Article (63): A Muslim female faculty member shall be entitled upon death of her spouse to a period of 130 days commencing from the day following the date of the spouse's death. She will be entitled for full pay against such period if she has already spent three years in service before her entitlement for "Iddah" (period of waiting) Leave and half of its net pay if she did not complete three years of service.

Article (64): A female faculty member who is pregnant shall be entitled to a paid maternity leave of (45days) starting the date of birth.



Compliance Confidentiality Policy

Policy

It is the Compliance and Legal Office Policy at Prince Sultan University to put all necessary efforts to maintain the confidentiality of all complaints and investigations and to keep the files (hard copies) in a locked file in the Compliance and Legal Office.

Confidential information must be maintained properly by the Compliance and Legal Office, which has the right to access, use, and disclosure within the limits of his/her authority. Any confidential information, whether oral, written or electronic should be maintained in a manner that safeguards its confidentiality.

The release of any such confidential information or the unauthorized or inappropriate use of the confidential information may affect negatively Prince Sultan University and may result in the worst of cases in a cause of action.





Writing and Tutoring Center (WTC)



We are the center of excellence here at PSU, aiming to support undergraduate and graduate students through our academic tutoring and writing services. The WTC will be your go-to center to reach your highest academic performance. The WTC will offer its services in Arabic and English.

Women in Data Science



March 3-4, 2024
Prince Sultan University, Riyadh

Sixth International Women in Data Science (WiDS) Conference will be organized by Prince Sultan University (PSU), Artificial Intelligence & Data Analytics (AIDA) Lab, in collaboration with Stanford University. The conference aims to foster women's interest and professional participation in both data science and engineering and computer science as a whole.

College of Humanities and Sciences offers scholarships for female students



40-50%
SCHOLARSHIPS
FOR FEMALE STUDENTS
LIMITED SEATS AVAILABLE

For Second Semester
2022-2023

BA in Translation
BA in Applied Linguistics

www.psu.edu.sa

For more information
0114948208 - 0114948201
ltd@psu.edu.sa
Rules and restrictions apply

40% - 50% scholarship offers for female students taking up BA in Translation and BA in Applied Linguistics courses.



PSU Takes a Progressive Step to Support Female Faculty, Staff, and Students by Enhancing Childcare Facilities



In a progressive move aimed at supporting female faculty members, staff and students, Prince Sultan University implemented a set of initiatives on its campus to enhance childcare facilities. These measures reflect the institution's commitment to gender equality and providing comprehensive support to members of its community. In this regard, the university has implemented some initiatives to support women on campus.

International Day of Women & Girls in Science

Education is essential to empower women & girls to gain confidence and achieve economic stability and success. Technological advancements have largely defined Today's digital era, where access to technology is essential to anyone's educational and economic success. Due to the fastest-growing technical advancement in jobs, STEM needs women. Knowing this fact, AIDA lab under the supervision of Dr. Heba Khoshaim, Vice President of Women Campus & SDG 5 Committee leader at Prince Sultan University is pleased to celebrate the INTERNATIONAL DAY OF WOMEN & GIRLS IN SCIENCE on FEB 11, 2024 at 9-2 PM Riyadh Time, aligned with the United Nations General Assembly WGiS declared Day.

Educational Enhancement Unit (EEU)



The Educational Enhancement Unit (EEU) is committed to the ideal that all students should have the opportunity to participate fully in all university activities. To this end, it will cooperate with departments and management to ensure that all appropriate facilities are available to accommodate all individual needs.



Clean water and Sanitation



جامعة الامير سلطان
PRINCE SULTAN
UNIVERSITY

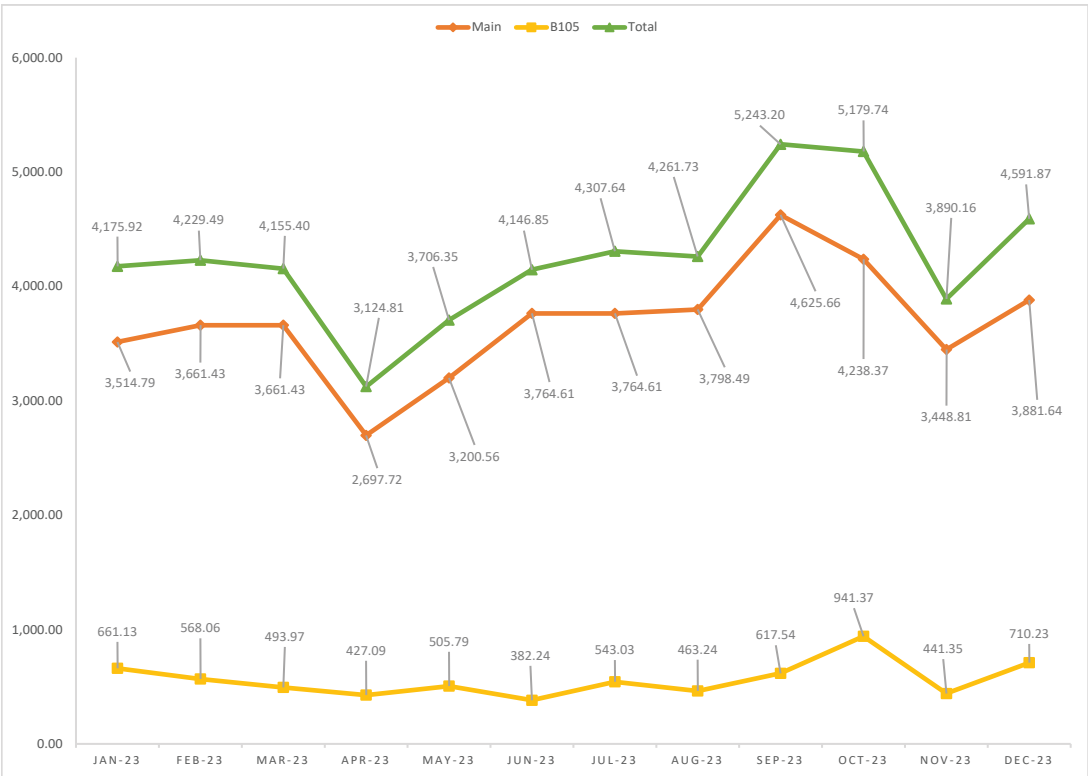


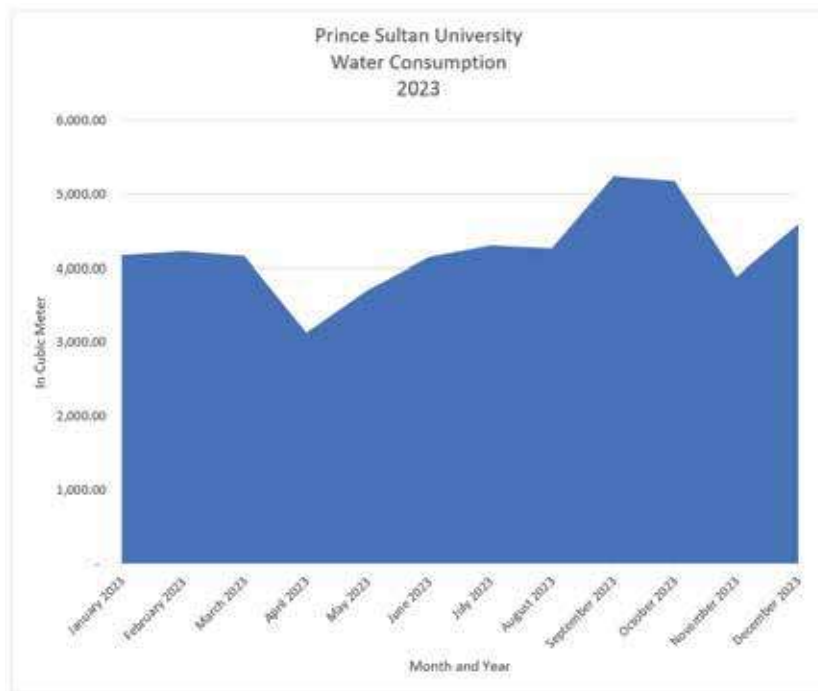


Clean water and sanitation are crucial components of sustainable development and are essential for ensuring the health and well-being of individuals and communities. At Prince Sultan University, the importance of access to clean water and sanitation facilities is recognized as a fundamental human right.

Proper sanitation practices not only promote good hygiene but also help prevent the spread of diseases. Through initiatives aimed at promoting clean water and sanitation, Prince Sultan University is committed to fostering a healthy environment for its students, faculty, and staff. The graph presents an analysis of the water consumption data for PSU for the year 2023. The data includes the monthly water consumption figures in cubic meters.

The water consumption data shows fluctuations throughout the year with some months consuming more water than others. The highest water consumption was recorded in September and October, with values exceeding 5,000 cubic meters. While, the lowest water consumption was recorded in April, with only 3,124.81 cubic meters used.





Total Campus Population - 8698

Water consumption per person in cubic meter - 5.86

The data suggests that PSU's water consumption varies significantly on a monthly basis. Understanding these fluctuations can help in better managing water resources and potentially reducing water consumption in months with higher usage.

**Total no. of
outsourced staff**

176

**Total no. of
admin staff**

463

**Total no. of
Faculty &
Researchers**

607

Total no. of students

7,452





BEFORE



AFTER



Developing the PSU Water Tower Tank on the female campus is one of the important projects that has been redesigned and designed to serve its members in line with their future needs while achieving the principle of sustainability and the ability to adapt to various events and activities based on PSU vision of renewal and development the facilities for its members in line with Saudi Vision 2030. The photos below show how the PSU Water Tower was transformed to ensure sustainability for the future. The PSU Water Tower is now one of the attractions inside PSU especially at night and it continuously reminds everyone that we have to take care of our water resources.



برادات مياه الشرب المعبأة

عزيزاتي منسوبات الجامعة الكريمات،،
نفيدكم بأن توفير برادات مياه الشرب المعبأة هي من الخدمات المقدمة من قبلنا، عند وجود أي ملاحظات عليها نأمل التواصل معنا .
شاكرين ومقدرين تعاونكم،،

بارد حار

Dear PSU members,
We would like to inform you that providing water dispensers is one of our services. Therefore, if there is any comment regarding them, please contact us.
Thank you & Regards,

Finally, ample provision of free drinking water is made on campus for students, staff, faculty and outsourced staff through available water fountains and drinking water stations. These are equipped with reusable water bottles to reduce the use of single-use plastic bottles across campus.

عزيزاتي منسوبات الجامعة الكريمات،،
نفيدكم بأن توفير برادات مياه الشرب المعبأة هي من الخدمات المقدمة من قبلنا، عند وجود أي ملاحظات عليها نأمل التواصل معنا .

Dear PSU members,
We would like to inform you that providing water dispensers is one of our services. Therefore, if there is any comment regarding them, please contact us.

Thank you & Regards,
gm@psu.edu.sa

جامعة الأمير سلطان
PRINCE SULTAN UNIVERSITY



Affordable and Clean energy



جامعة الامير سلطان
PRINCE SULTAN
UNIVERSITY





SDG 7, an integral component of the United Nations' Sustainable Development Agenda, stands as a guiding beacon in Prince Sultan University (PSU) collective mission to ensure equitable access to affordable, reliable, sustainable, and modern energy for all. As a dedicated institution that nurtures innovation and progress, PSU acknowledges the crucial significance of sustainable energy in shaping the future. PSU's commitment to this goal aligns with our dedication to empowering not only our students but also the broader community with the knowledge and tools needed to navigate the complexities of energy sustainability. PSU is committed to SDG 7, actively participating in sustainable energy projects and educational programs that contribute to a greener and more accessible energy future.

Upgrade buildings to higher energy efficiency.

HAALA Energy launched the Solar PV Project at PSU, with the overarching goal of upgrading university buildings for higher energy efficiency. This initiative integrates solar photovoltaic (PV) systems, detailed energy audits, and advanced energy-efficient technologies like LED lighting, enhanced insulation, and optimized HVAC systems. By targeting substantial reductions in energy consumption and carbon emissions, the project aligns PSU with international sustainability

objectives, providing long-term economic savings and setting a standard for similar efforts globally. In their feasibility assessment, HAALA Energy explored multiple installation sites, including rooftops on Buildings 1 to 5 and various campus parking areas, ultimately selecting solar carports as the most effective option. These carports capture abundant sunlight while offering low installation and maintenance costs, embodying HAALA's commitment to sustainable, forward-thinking energy solutions. This project underscores PSU's commitment to environmental sustainability and campus-wide energy efficiency upgrades.



Energy-efficient renovation and building Have a policy in place for ensuring all renovations or new builds are following energy efficiency standards

Prince Sultan University (PSU) is committed to energy efficiency in all renovation and construction projects, reflecting its sustainable development goals as part of its broader environmental policy framework. Through its Sustainable Waste Management, Prevention, and Disposal Policy, PSU prioritizes energy-efficient practices that align with sustainable building standards. This policy, implemented by the PSU Maintenance Department, mandates the reduction of energy-intensive waste, supports infrastructure optimized for low-carbon emissions, and advocates for minimizing the use of carbon-heavy processes. Regular performance monitoring, reporting, and compliance checks ensure that PSU's energy-efficient practices are effectively integrated into campus renovations and new builds, contributing to a greener campus environment.

Carbon reduction and emission reduction process

Prince Sultan University (PSU) has adopted a comprehensive process for carbon management and emission reduction, closely aligned with Saudi Vision 2030 and the global drive towards sustainability. Through the Zero Waste Initiative, supported by partnerships with PepsiCo's pep+ framework and the Center for Sustainability and Climate, PSU emphasizes reducing waste and promoting a circular economy as key strategies to lower greenhouse gas emissions. The initiative encourages students to ideate, design, and implement projects focused on responsible consumption, recycling, and sustainable design, all aimed at minimizing waste and reusing resources. By fostering awareness, supporting innovative waste reduction projects, and aligning with Sustainable Development Goal 7 on Affordable and Clean Energy, PSU not only mitigates carbon emissions but also promotes sustainable energy practices across campus. This commitment to

carbon reduction and waste management is a testament to PSU's dedication to a sustainable and environmentally friendly future. Also, Prince Sultan University (PSU) has implemented a robust carbon management and emission reduction process, encapsulated within its Sustainable Waste Management, Prevention, and Disposal Policy. This policy, approved by the University Council, highlights PSU's commitment to building a sustainable, green campus. Key initiatives include minimizing plastic use, reducing dependency on disposable items, adopting energy-efficient practices, and avoiding carbon-intensive industries. The Maintenance Department oversees waste management, employing a prevention approach to minimize carbon emissions and coordinating with municipal and specialized agencies to dispose of various waste types responsibly. By regularly monitoring landfill and recycled waste and reporting performance metrics, PSU not only mitigates carbon emissions but also fosters a healthier, eco-friendly campus environment, demonstrating a strong commitment to sustainability aligned with global standards

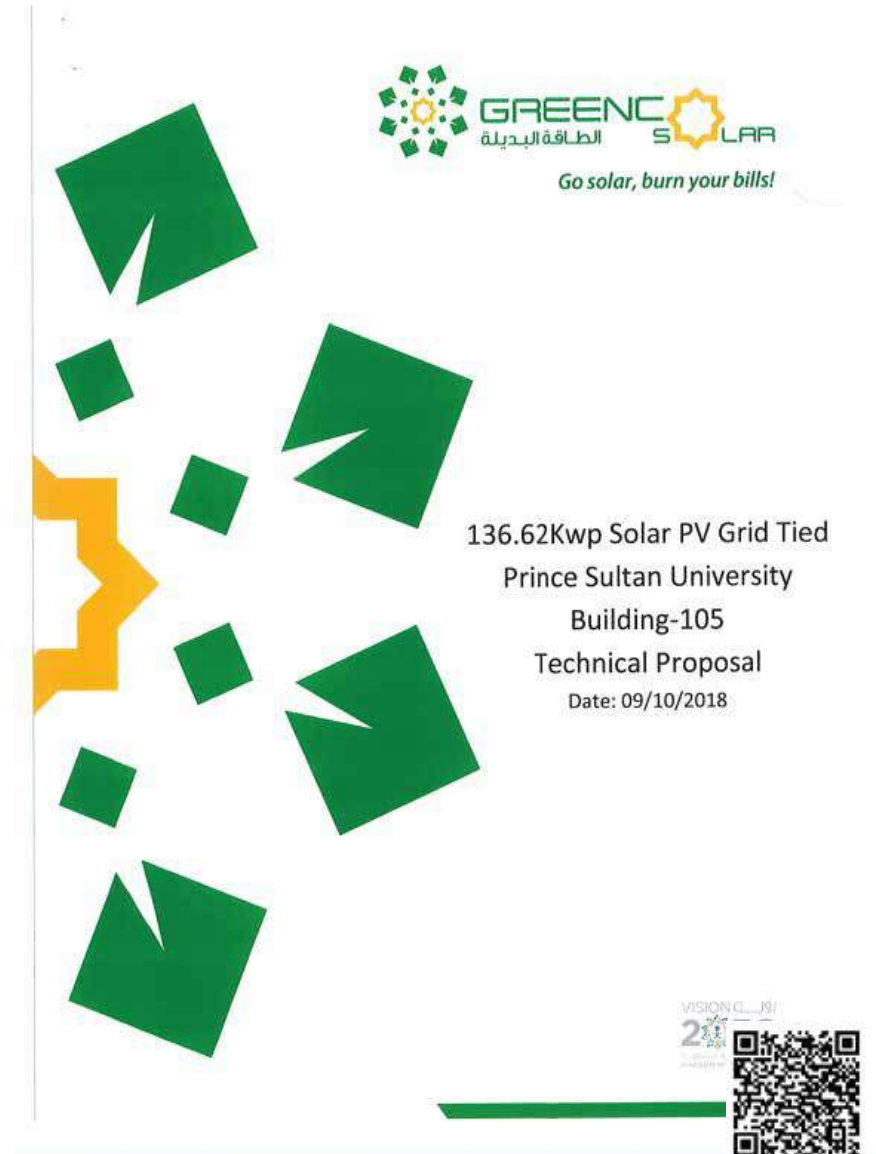


Plan to reduce energy consumption

Prince Sultan University (PSU) has implemented a comprehensive energy efficiency plan to reduce overall energy consumption and promote a sustainable campus. The university focuses on creating an eco-friendly environment by enhancing infrastructure and optimizing resource use.

Digital transformation initiatives further minimize reliance on physical resources, increasing operational efficiency and reducing energy usage. PSU also fosters a culture of sustainability through wellness programs that encourage energy-saving practices. Key measures include installing solar panels, using inverter-based air conditioning systems, advocating for LED lighting, implementing solar water heaters, and integrating motion sensors and dimmer controls. These initiatives aim to reduce energy consumption by 5-10%, highlighting PSU's commitment to environmental stewardship and organizational excellence.

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Energy wastage identification

Prince Sultan University (PSU) is committed to sustainability through proactive energy management and waste reduction. The university conducts comprehensive energy reviews of its facilities, including buildings 101 and 104, to identify areas of significant energy wastage and implement targeted improvements. This initiative aims to enhance operational efficiency while promoting cost-effective and eco-friendly practices. The Maintenance Department oversees these evaluations to ensure compliance with energy efficiency standards and to foster responsible energy usage. Additionally, PSU has established a Sustainable Waste Management, Prevention, and Disposal Policy that focuses on minimizing waste, utilizing appropriate disposal channels, and reinforcing its commitment to creating a greener campus. Together, these efforts demonstrate PSU's dedication to optimizing energy resources and promoting sustainability throughout the university.



Divesting investments from carbon-intensive energy industries notably coal and oil

Prince Sultan University (PSU) has established a Sustainable Investment Policy (SIP) that emphasizes the university's commitment to responsible investment practices. As part of this policy, PSU divests from carbon-intensive energy industries, particularly coal and oil, aligning its financial strategies with the principles of environmental, social, and corporate governance (ESG). The SIP promotes investments in companies that demonstrate sustainable practices and supports the UN Sustainable Development Goals (SDGs). By excluding investments in extractive fossil fuels and employing both negative and positive screening methods, PSU aims to enhance long-term financial returns while minimizing risks associated with environmentally harmful sectors. This proactive approach reflects PSU's dedication to fostering a sustainable future and responsible stewardship of its investment portfolio. Prince Sultan University (PSU) has established a Sustainable Financial Revenue Diversification Policy that includes a commitment to divesting from carbon-intensive energy industries, particularly coal and oil. This policy aims to secure sustainable financial resources and supports innovation and commercialization of research while aligning with responsible investment practices and broader environmental goals.



Energy use density

Prince Sultan University (PSU) demonstrates its commitment to sustainable energy practices through its energy consumption policy, which emphasizes divesting from carbon-intensive energy industries, particularly coal and oil. The university has an energy use density of 173 kWh per square meter per year, leading to a total annual energy consumption of 15.9 GWh across its 92,016 square meters of floor space. This consumption varies among its buildings: B101, the largest contributor, consumes approximately 7.79 GWh, followed by B105 at 3.44 GWh. Other buildings, including B102, B104, and B106, consume about 1.28 GWh, 1.6 GWh, and 1.08 GWh, respectively, while B103 has the lowest at 0.72 GWh. These figures underscore the importance of tailored energy-saving plans, particularly for B101 and B105, to enhance overall energy efficiency and reduce PSU's carbon footprint. By adopting responsible investment strategies and optimizing energy use, PSU aligns its efforts with global sustainability goals, fostering a more sustainable future.

PSU Holds Workshop to Promote Solar Energy Solutions

PSU's College of Engineering organized the three-day 'Hands-on Solar PV Installation Training' Workshop to support renewable energy solutions.

A three-day workshop was held at the Prince Sultan University Campus to provide participants with practical experience in the installation and operation of solar photovoltaic (PV) systems.

The "Hands-on Solar PV Installation Training" workshop, held on 13-15 October 2024, was conducted under Dr. Umashankar Subramaniam, Associate Professor, and Dr. Sivakumar Selvam, Lecturer from the Department of Communications and Network Engineering, College of Engineering.

Organized on behalf of the Renewable Energy Laboratory, the workshop focused on its commitment to promoting renewable energy solutions, reinforcing the importance of practical training in promoting sustainable energy solutions.

At least 25 individuals, including three faculty members, participated in the workshop, and actively engaged throughout the sessions, contributing to a dynamic and interactive learning environment. While selecting, it was ensured that those with the most relevant background could benefit from the workshop's practical approach.

On the first day, participants were introduced to the basics of solar PV systems with a focus on the operational principles of solar cells. This was followed by practical exercises, where participants learned to connect solar cells in series and parallel configurations. A rooftop session provided practical experience in measuring key solar PV parameters such as voltage and current. Participants also practiced wiring and installation techniques and troubleshooting exercises to resolve common solar installation issues.

The following day, the focus shifted to the proper use of MC4 connectors, critical for ensuring safe and reliable wiring in PV systems. Participants were allowed to assemble and disassemble these connectors and proceeded to install solar panels using mounting structures. They practiced aligning the panels to maximize energy efficiency, further enhancing their practical skills in solar installation.

The final day of the workshop was dedicated to more advanced components of solar PV systems, including inverter and charge controller setup. Participants were shown how to connect these components to the system, which is crucial for converting solar energy into usable electricity. The session also covered battery integration, where participants learned how to set up an off-grid system capable of storing energy for later use.

The workshop received overwhelming positive feedback from the participants, many of whom expressed that the hands-on experience significantly boosted their confidence in working with solar PV systems. The combination of practical exercises and expert guidance provided a well-rounded learning experience that participants could apply to real-world projects.

The "Hands-on Solar PV Installation Training" successfully provided participants with valuable skills in solar PV system installation, contributing to the broader goal of advancing renewable energy initiatives.

Local community outreach for energy efficiency

Prince Sultan University's College of Engineering held a three-day Hands-on Solar PV Installation Training workshop from October 13-15, 2024, as part of its commitment to Sustainable Development Goal 7 (SDG 7) and promoting renewable energy solutions. The workshop offered participants practical experience in installing and operating solar photovoltaic (PV) systems. Activities included connecting solar cells, using MC4 connectors, and setting up inverters, charge controllers, and off-grid battery systems. With 26 attendees, the workshop provided a robust, hands-on learning environment, enabling participants to gain confidence in solar energy applications and contribute to advancing sustainable energy initiatives.



Prince Sultan University (PSU) is actively engaged in local community outreach to promote energy efficiency and clean energy practices. The Renewable Energy Lab (REL) has made significant strides in this area, exemplified by recent open-access publications that contribute to sustainable development. One impactful article focuses on “Analysis of solution strategies for the transition to renewable energy in Saudi Arabia,” directly addressing the UN Sustainable Development Goals, particularly SDG 7 (Affordable and Clean Energy). Through these initiatives, PSU emphasizes the importance of educating the local community on energy efficiency and sustainable practices, reinforcing its commitment to fostering a more sustainable future and addressing global challenges through research and collaboration. As part of its commitment to Sustainable Development Goal 7 (SDG 7) on affordable and clean energy, Prince Sultan University organized a series of specialized sessions at leading international conferences in 2024. At IECON 2024, the session titled DC-DC Power Conversion: Innovations in Topologies, Control Strategies, and Diverse Applications showcased cutting-edge developments in power conversion technologies essential for clean energy systems.

Further emphasizing sustainable energy advancements, PSU presented Advances in DC-DC Converters and Control Techniques for Sustainable Energy at IEEE GPECOM 2024, addressing innovations that enhance the efficiency and performance of energy conversion processes. Lastly, PSU’s participation in SEPC 2024 with Advancements in Power Conversion - Techniques and Applications focused on transformative power conversion methods, underscoring PSU’s dedication to sustainable energy solutions that align with SDG 7 goals.



Special Session on Advances in DC-DC Converters and Control Techniques for Sustainable Energy

In the dynamic field of DC-DC converters, addressing the pressing challenges of fossil fuel depletion and environmental issues has intensified interest in clean energy alternatives. DC microgrids have emerged as pivotal players, seamlessly integrating renewable energy sources (RES). This microgrid facilitates the direct supply of clean energy from RES to local loads and redirects surplus energy back to the primary grid. The inherent flexibility of the DC microgrid empowers consumers to independently generate, store, and manage their daily energy needs. At the heart of the microgrid's effectiveness lies the strategic selection of the power electronic interface, emphasizing the central role of advanced DC-DC converters. This session aims to convene innovative academics and industry experts in a collaborative forum, with a specific focus on advancements in DC-DC converters and their control. This session aims to bring together innovative academics and industry experts in a collaborative forum, aligning with the global Sustainable Development Goals (SDG) 7 and 12. These goals recommend affordable and clean energy solutions, emphasizing the pivotal role of DC-DC converters in shaping a sustainable energy future.

Organizer(s):
Mahajan Sagar Bhaskar, Prince Sultan University, Saudi Arabia. (E-mail: smahajan@psu.edu.sa)
Atif Iqbal, Qatar University, Qatar. (E-mail: atif.iqbal@qu.edu.qa)
Dhafer Almakhles, Prince Sultan University, Saudi Arabia. (E-mail: dalmakhles@psu.edu.sa)





Conferences

Prince Sultan University (PSU) is dedicated to local community outreach aimed at enhancing energy efficiency and promoting clean energy practices. As part of this commitment, the Engineering College organizes events such as the 2nd International Conference on Sustainability: Development and Innovations (ICSDI 2024). This dynamic conference serves as a platform to connect diverse talents with decision-makers and explore innovative solutions aligned with sustainable development goals (SDGs). Through a variety of presentations, workshops, and expert panels, the conference addresses pressing sustainability challenges and emphasizes the importance of energy efficiency. These programs provide valuable opportunities for the local community to learn about sustainable practices, fostering a collective commitment to a greener future.



The International Conference on Sustainability Developments and Innovations (ICSDI 2024)

Prince Sultan University (PSU) is dedicated to local community outreach aimed at enhancing energy efficiency and promoting clean energy practices. As part of this commitment, the Engineering College organizes events such as the 2nd International Conference on Sustainability: Development and Innovations (ICSDI 2024). This dynamic conference serves as a platform to connect diverse talents with decision-makers and explore innovative solutions aligned with sustainable development goals (SDGs). Through a variety of presentations, workshops, and expert panels, the conference addresses pressing sustainability challenges and emphasizes the importance of energy efficiency. These programs provide valuable opportunities for the local community to learn about sustainable practices, fostering a collective commitment to a greener future.



100% renewable energy pledge

Prince Sultan University (PSU) has taken a significant step toward environmental sustainability by pledging to achieve net zero carbon emissions by 2060, making it the first university in Saudi Arabia to commit to this ambitious goal. As an official signatory of the Race to Zero campaign, PSU joins a global coalition advocating for a healthy, resilient recovery that emphasizes the transition to 100% renewable energy. This initiative not only highlights PSU's commitment to sustainable practices within the university but also encourages broader community engagement in promoting renewable energy solutions beyond its campus. By participating in this movement, PSU aims to inspire other institutions and individuals to adopt similar pledges, contributing to a collective to combat climate change and support global sustainability goals. PSU is taking a significant step by committing to 100% renewable

energy aligning with global sustainability efforts. PSU's initiative not only sets an example but also contributes to a cleaner, more sustainable future. While PSU's commitment is vital on campus, its impact reaches beyond, serving as a model for others to embrace renewable energy and sustainability. This pledge is not just a reflection of PSU's responsibility but also an inspiration for a cleaner, greener world.



Energy efficiency services for industry

In Dec. 2022, PSU took significant strides in fostering energy efficiency within the local industrial sector. PSU, in collaboration with Al Watania and the Center for Community Service and Continuing Education, actively participated in the annual ceremony of the Ambition Elite program, organized by the General Authority for Small and Medium Enterprises. This event showcased PSU's and Al Watania's commitment to supporting, developing, and nurturing small and medium enterprises in the Kingdom of Saudi Arabia. PSU's role in the event emphasized the importance of energy efficiency in the industrial sector, offering direct services such as energy efficiency assessments, workshops, and research into renewable energy options. These initiatives underline PSU's and Al Watania's dedication to enhancing energy efficiency and promoting clean energy practices within local industries, aligning with broader sustainability goals and contributing to a more environmentally responsible and economically efficient future.



Prince Sultan University (PSU), represented by its College of Engineering, has been honored by the Saudi Energy Efficiency Center for its impactful contributions to energy efficiency services for local industry. Through targeted initiatives, PSU is enhancing industry capabilities by providing energy efficiency assessments, organizing specialized workshops, and conducting research into renewable energy options. These efforts were recognized during the ESCOSaudi 2024 Forum, reflecting PSU's commitment to fostering clean energy solutions and supporting the Kingdom's energy efficiency objectives. By focusing on capacity building and industry collaboration, PSU plays a key role in advancing sustainable energy practices in Saudi Arabia.

Policy development for clean energy technology

Prince Sultan University (PSU) actively engages in policy development for clean energy technologies, providing vital guidance to governmental bodies. Dr. Ahmed Al-Yamani, President of PSU, highlighted the university's dedication to advancing clean energy initiatives by informing policy and supporting energy-efficient technology advancements. PSU's expertise aids in the development of policies that promote sustainable energy practices, reinforcing the university's commitment to driving forward Saudi Arabia's clean energy goals. Through collaborative research and strategic recommendations, PSU plays a pivotal role in shaping the national clean energy sector.





Assistance to low-carbon innovation



In line with Sustainable Development Goal 7 (SDG 7) and the commitment to advancing a low-carbon economy, Prince Sultan University (PSU) actively supports low-carbon innovation through collaboration and hands-on initiatives with industry leaders. A recent project with Jahez, in which 500 trees were planted, exemplifies PSU's commitment to reducing carbon emissions and supporting start-ups focused on sustainable practices. Additionally, Dr. Fahd Al-Sharahi, Vice President of Sustainability at SABIC, emphasized SABIC's role in pioneering carbon neutrality strategies, corporate sustainability, and circular carbon economy initiatives. These joint efforts underscore PSU's role in fostering a low-carbon economy by aiding innovative projects and start-ups that align with Saudi Arabia's sustainability goals.

Low-carbon energy use

In addressing Sustainable Development Goal 7 (SDG 7) on low-carbon energy use, Prince Sultan University (PSU) reports a total annual energy usage of 15.9 GWh, though currently none of this energy is sourced from low-carbon alternatives. This metric underscores the critical need to transition towards cleaner energy sources to reduce carbon emissions and align with national and global sustainability targets. PSU is actively exploring avenues to incorporate renewable energy sources, improve energy efficiency, and reduce reliance on high-carbon energy. These efforts will support a shift towards sustainable energy use, helping the university meet both SDG 7 and broader environmental objectives.

Decent Work and Economic Growth



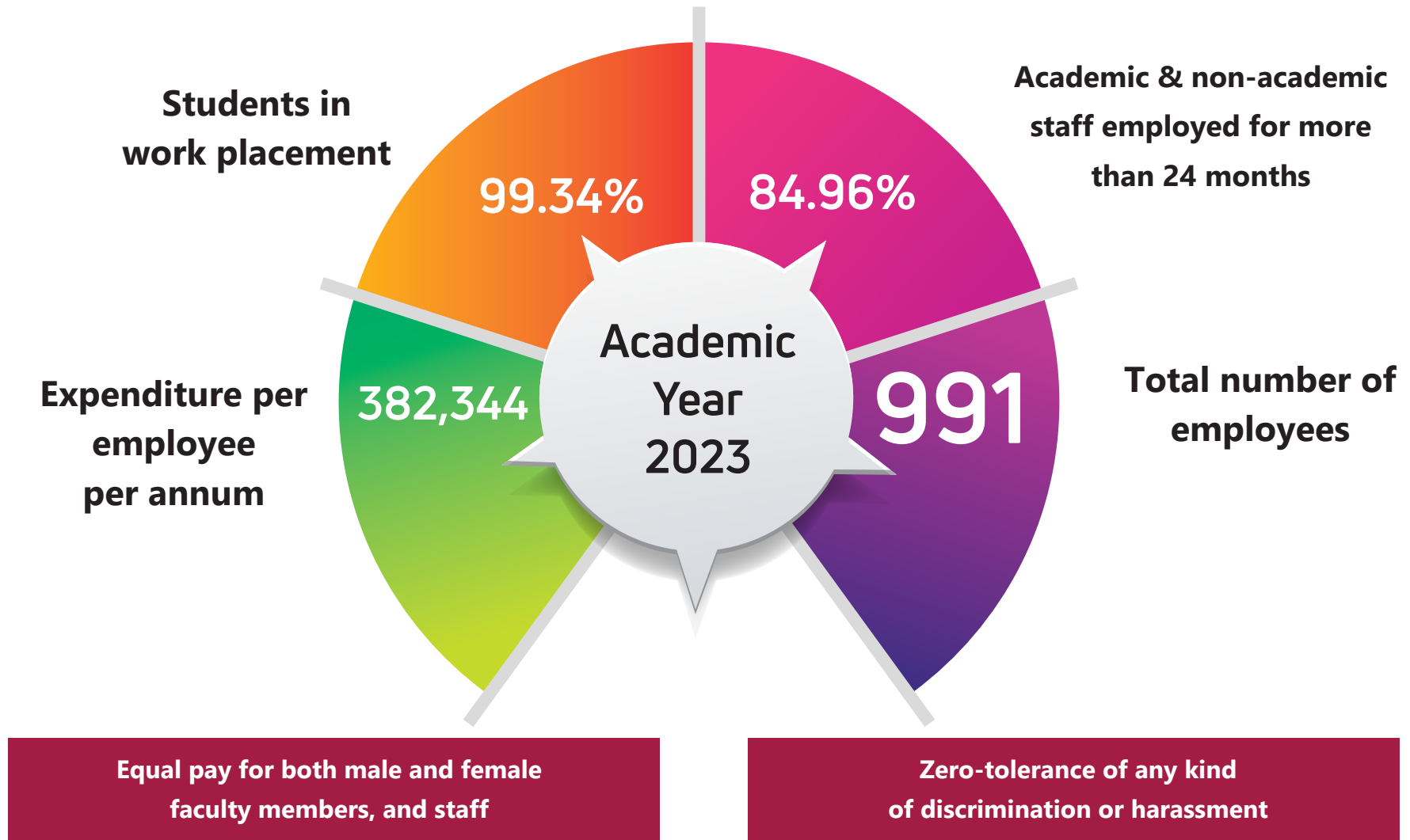
جامعة الامير سلطان
PRINCE SULTAN
UNIVERSITY





Jubilation Office

PSU's unique strength in Jubilation office, which provides support to employee and ensures positive and joyful working environment





Employment Practices

The PSU employees fall in two categories: academic and non-academic. Both are considered as an important asset of PSU for providing quality teaching and learning and its support services. In alignment with its mission, PSU develops a healthy and competitive working environment attracting and retaining local and international qualified professionals, providing them opportunities to excel in their fields, and at the same time protecting their rights and interests. PSU strictly abides by the Ministry of Human Resources and Social Development laws & regulations and offers decent labor wages more than the minimum slab established by the Saudi Arabia government, provide equal job opportunities to employees based on their professional ability and job experience and thereby eliminate unlawful discrimination with respect to gender, nationality,



qualification, and other factors (Governing rules for faculty: article 76). PSU provides an environment for continuous learning by encouraging its faculty to excel in their field of study/work and appreciate them with numerous annual excellence awards.

The Vice President for Administrative and Financial Affairs conducts regular meetings supported by the institutional committees to protect the labour rights and interests of employees in accordance with the Governing Rules and Regulations for Personnel and faculty.



Recognizing Employees demonstrates decent work environment @PSU Translation Excellence Award

Prince Sultan university (PSU) recognize their employees through a variety of prestigious awards that acknowledge outstanding contributions in teaching, research, and administrative roles.

- **Teaching:** Faculty members who demonstrate exceptional dedication, innovation, and effectiveness in the teaching and learning are honored annually with the two President's Distinguished Teaching Excellence and Digital Learning for Excellence awards. These accolades not only highlight the faculty's commitment to fostering student success but also encourage the continuous improvement of pedagogical practices.
- **Research:** PSU grant awards to research scholars who make significant and impactful intellectual contributions to their respective disciplines to celebrate the faculty's contribution in quest for knowledge and the institution's commitment to advance scientific research.
- **Administrative:** Administrative staff who exhibit exceptional leadership, efficiency, and supporting service at PSU are recognized with awards for their invaluable service contributions.

These awards serve as a testament to the dedication and excellence of university employees, fostering a culture of continuous improvement and reinforcing the institution's commitment to quality education, research, and administration.



President's Distinguished
Teaching Excellence Award



Employment practice living wage



Employment practice
appeal process



Employment
practice unions



Employment practice
appeal process



Employment policy
on discrimination



Tracking pay scale
for gender equity



Employment policy
on modern slavery



Employment policy
pay scale equity



Employment practice equivalent rights outsourcing





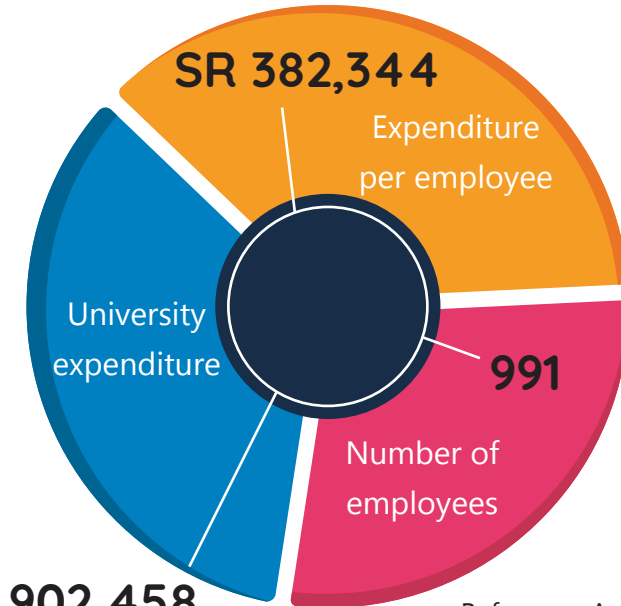
Expenditure per employee



“

PSU maintains an extremely high degree of faculty satisfaction and a high retention rate. The total expenditure on employee is SR 382,344 per year.

”



Reference: Academic Year 2023



Proportion of students taking work placements



In alignment with the PSU mission which emphasizes on lifelong and service based learning, all programs offered at PSU have incorporated work placement. Students work placement includes Coop, Internship, Apprenticeship and this is an integral part of their degree program. In addition, we have Deloitte Apprenticeship Program which is over and above the 4-7 months of work placement.

No. of students

7335

7331

No. of students with work placement for more than a month

51

SUSTAINABLE DEVELOPMENT GOALS

رؤية 2030
VISION 2030
KINGDOM OF SAUDI ARABIA

جامعة الامير سلطان
PRINCE SULTAN UNIVERSITY



Employment Placement

Prince Sultan University offers a Student Work Placement Program known as "Cooperative Education program" to all senior level students pursuing their degree in the 4th year of their program related to their field of study. This program is considered as one of the CORE requirements of the curricula and is equivalent to 10 credit hours applicable to all academic undergraduate programs as a practical onsite experience over a 7-month period (i.e., spanning one semester and a summer. It provides opportunity for successful integration of work and study and enables students to gain hands-on experience in a realistic environment and enhances soft skills. In conclusion, students are provided an opportunity for career exploration and development as well as a chance to learn new skills through the student work placement program.





Most of the PSU students complete their coop placement in the big four companies

The COOP is a core requirement for all undergraduate students at PSU upon completion of their coursework in their program.



البسامي للصناعات
Al Bassami Industries
إحدى شركات مجموعة أعمال البسامي الدولية
A Subsidiary of Al Bassami int'l Business Group



SDAIA
الهيئة السعودية للبيانات
والذكاء الاصطناعي
Saudi Data & AI Authority



We had the opportunity to work with many trainees and recent graduates from Prince Sultan University, where they demonstrated to us their high scientific and practical levels. Thank you for your efforts and dedication

- **Abdulaziz Alsuliam, Cloud Security Architecture**

Working at Deloitte while still an undergraduate student is an incredible honor, and I attribute much of it to the exceptional education and skill development I received at PSU. My experience with Deloitte was transformative, bridging the gap between academic knowledge and the professional world with the privilege to actively contribute to the growth of myself, Deloitte, and Saudi Arabia's Vision 2030.

- **Lian Alhjeli, Trainee at Deloitte**



Deloitte Risk Advisory Apprenticeship Program

As part of continuous improvement in the area of students acquiring work placement in the early years of their undergraduate program, the College of Business (CBA) has signed a memorandum of agreement in December 2021 with Deloitte and Touché Advisory Saudi Ltd for the Deloitte Risk Advisory Apprenticeship Program to work as Risk Advisory Bright Start Analyst.

Risk Advisory Bright Start is a three-year program (the "Program") designed to offer apprentices earn-while-you-learn experience and learnings, exposing CBA students to professional experts and allowing them to directly apply what they learn at university to their work while jump-starting their careers and gain a long-term competitive advantage. Risk Advisory Bright Starters will learn the future business, focusing on the Apprentices' work and studies. They will spend most of each week learning and helping to solve market issues and challenging problems, while the remainder of the week will be spent at university, studying for their degree.

The monthly package for the interns is SAR 5000. The recruitment is annual, depending on the needs of Deloitte.

Proportion of employees on secure contracts

Number of
employees
on contracts of
over 24 months

842

991

Number of
employees

= 84.96%
Proportion of employees
on secure contracts

Industry, Innovation and Infrastructure



جامعة الامير سلطان
PRINCE SULTAN
UNIVERSITY





Research and Innovation

Research at PSU has focused on developing innovative technologies and solutions that promote sustainable industrialization and infrastructure development. These research findings, technological advancements, and innovations have contributed toward SDG 9 achievement by PSU.

Zeinab A. Elhassan, 2023



Raed Bin Sadan,
Yusuff Jelili Amuda 2023



Syed Shah
Alam et al., 2024



Filippi, L. D.,
Mazzetto, S. (2024)



Fayez Alanazi,
Mamdouh Alenezi, 2024



Silvia
Mazzetto, et al, 2024



Rania
Al-nawasir, et al. 2024



Mazzetto, S. 2024



Maitha Alghanmi,
Yusuff Jelili Amuda 2024



Musrat Gul
Bhellar et al., 2024



Mahmud
M. Jibril et al., 2024



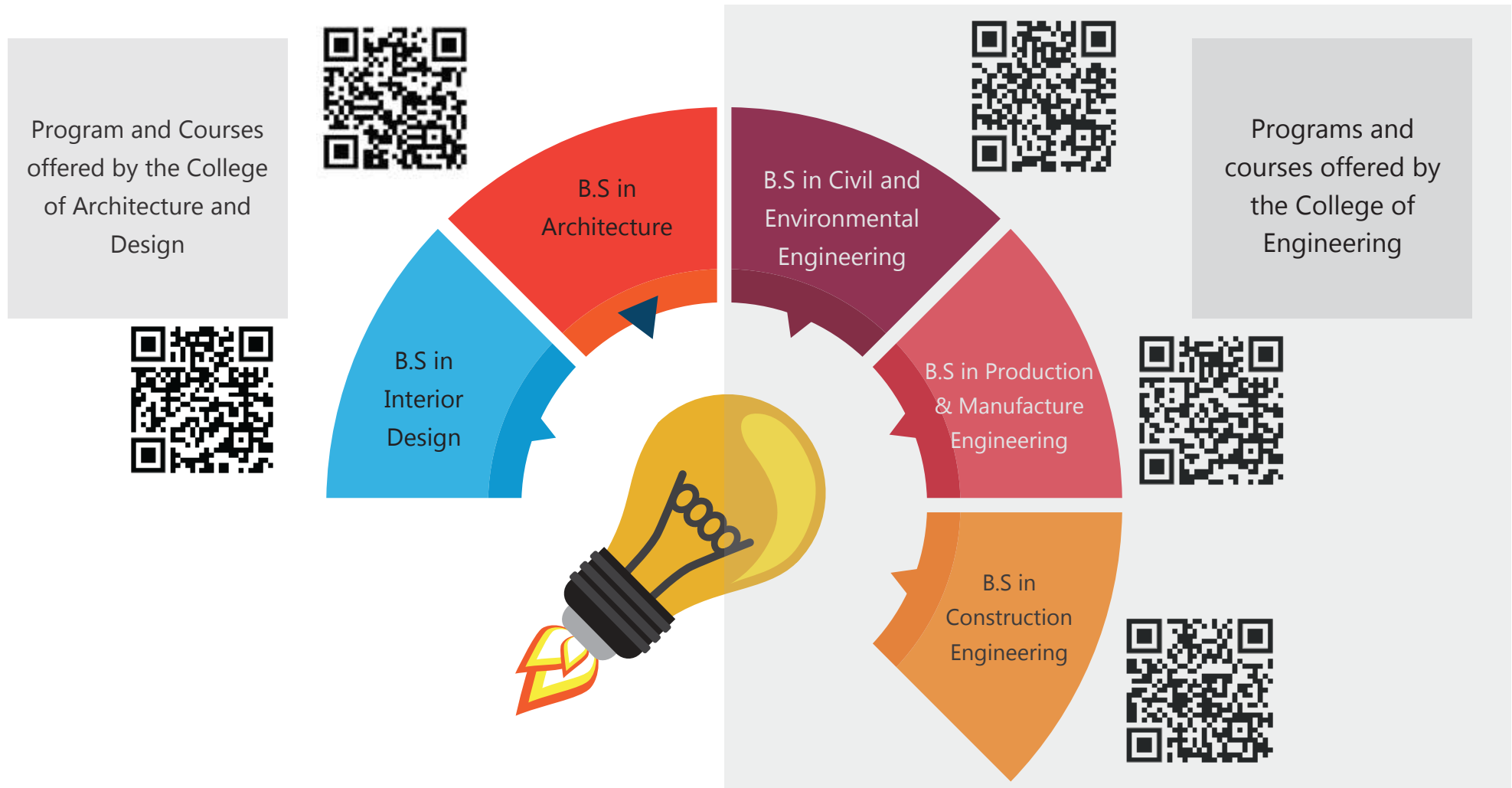
Dwidar et al., 2023





Education and Capacity Building

PSU offers educational programs and courses related to industrialization, infrastructure development, and innovation.





Partnerships

PSU collaborates with industry, government agencies, international organizations and stakeholders to drive innovation and infrastructure development



Electrical engineering laboratories win funding grants from the Research, Development, and Innovation Authority (RIDA)

The Smart Systems Engineering Laboratory, as well as the Renewable Energy Laboratory in the Electrical Engineering Program at the College of Engineering, won funding grants from the Research, Development, and Innovation Authority (RDIA) on Wednesday, March 27, 2024. These funding grants for the development of research laboratories are a major shift for the college's laboratories and reflect the efforts made by members of the research laboratories in Upgrading these laboratories and improving the quality of their outputs in line with the country's efforts and Vision 2030.

Students from Riyadh Schools Explore Electrical Engineering Laboratories

During their visit to Prince Sultan University, student groups from various schools had the opportunity to explore the university's academic environment. The research laboratories in the Electrical Engineering Program hosted these student groups, providing them with insights into current and future research activities conducted within the university's research centers.







PLC Wiring & Programming

Hands-on Training



300 SAR

ورشة عمل على توصيل وبرمجة الحاسبات المبرمجة المنطقية (PLC)

Learn Schneider PLC

- Introduction to PLC
- PLC architecture
- H/w configurations
- Ladder programming
- Hands-on training

تعلم مبادئ برمجة وتوصيل المتحكمات الخاصة بشركة شneider

- مقدمة عن متحكمات ال PLC
- التركيب العام لل PLC
- توصيف المكونات المتصلة
- مبادئ برمجة ال PLC
- تدريب عملي

Instructor:
Dr. Mahmoud Abdelrahim
Senior researcher at REL laboratory





Thursday 07 December 2023 01:00 to 04:00 pm

www.psu.edu.sa PSU_RUH

PLC Wiring and Programming

The goal of this workshop was to introduce the participants to the field of industrial automation and the most popular controller used in this field, which is programmable logic controllers (PLC). The workshop starts first by explaining the motivation behind using PLC over traditional relay logic control circuits. Then, the main components and the principal of operation of PLC will be explained with the focus on Schnieder PLC Modicon M241, which is the available setup for practical training. Finally, the participants will be involved in a hands-on training will they learn how to design a simple PLC program and how to diagnose it and run it on the PLC.

Technology Transfer

PSU is engaged in technology transfer activities, facilitating the adoption of sustainable technologies by industries.

WORKSHOP ON AI TECHNOLOGY IN MEDICAL IMAGING AND ASSISTIVE DEVICES, College of Engineering workshop, January 31 2024.

The Smart Systems Engineering Laboratory (SSEL) in the Electrical Engineering Program at Prince Sultan University is organizing a scientific workshop on artificial intelligence in imaging and assistive devices. The lecture will be held remotely on Wednesday, January 31, 2024, between 12 and 1 PM. Dr. WAHYU RAHMANIAR from Tokyo Technology Institute in Japan will deliver this lecture. The scientific lecture will discuss the revolution of artificial intelligence in healthcare by improving medical imaging and assistive devices. Artificial intelligence enables faster and more accurate analysis of X-rays, MRIs, and CT scans, enhancing the detection and diagnosis of diseases. In addition, artificial intelligence improves assistive devices' functions, adapting to users' needs and improving the patient's overall quality of life.



WORKSHOP ON AI TECHNOLOGY IN MEDICAL IMAGING AND ASSISTIVE DEVICES

Dr. WAHYU RAHMANIAR
Assistant Professor
Institute of Innovative Research,
Tokyo Institute of Technology, Japan

Biography:
WAHYU RAHMANIAR received the B.S. degree in Electronics and Instrumentation from Universitas Garjaga, Yogyakarta, Indonesia and the Ph.D. degree in Electrical Engineering from the National Central University, Taiwan. She was a Computer Vision Engineer at the Technology and Production Researcher with the National Taipei University of Technology, Taiwan. She is currently an Assistant Professor (Specialty appointed) with the Institute of Innovative Research, Tokyo Institute of Technology, Japan. Her research interests include Artificial Intelligence, Medical Imaging, Computer Vision, and Robotics.

Abstract:
This presentation provides an overview of how Artificial Intelligence (AI) technology is transforming healthcare by revolutionizing medical imaging and assistive devices. AI is used in medical imaging for more accurate and faster image analysis, thereby improving disease detection and diagnosis. Radiologists can identify abnormalities on X-rays, MRIs, and CT scans more quickly and with greater precision. In assistive devices, AI enhances the functionality and responsiveness of prosthetics and other assistive devices, allowing them to adapt to the user's movement and needs in real-time. This technology not only improves the efficiency and accuracy of medical diagnosis and treatment, but also improves patients' quality of life through smarter and more responsive tools.

Date: 31st January, 2024
Time: 12:00 - 1:00

Attendance certificates will be provided.

Google Meet: meet.google.com/ghy-tyh-tyh





ممارسة اللحام / إزالة اللحام
SOLDERING/ DE-SOLDERING PRACTICE

Who should join?
Anyone who aims to design their electronic circuit on PCB through one day of hands-on professional training.

من يجب أن ينضم؟
أي شخص يهدف إلى تصميم دوائره الإلكترونية على PCB من خلال يوم واحد من التدريب المهني العملي، عن التدريب العملي الاحترافي.

Limited Seats!
Don't miss this exciting opportunity to start building your own project

مقاعد محدودة!
لا تفوت هذه الفرصة المثيرة لبدء بناء مشروعك الخاص

Circuits and Logic Lab, B101
Dr. Mehr E Munir
Certificates will be awarded to the attendees only.

28 February 2024
03:00 - 06:00 PM

www.psu.edu.sa PSU_RUH

Workshop on soldering/de-soldering, College of Engineering workshop (28th Feb 2024)

The smart systems engineering laboratory will hold a workshop for students on soldering/de-soldering electronic components. The workshop will cover the fundamental techniques, safety precautions, and troubleshooting methods of soldering.

Research Funding

PSU report on the allocation of research funding to projects and initiatives that align with SDG 9. This includes grants and investments in infrastructure-related research.

Welcome to Research And Initiatives Center

Sun-Thur 8 am to 3 pm - Sat-Fri Closed

Home About + Funding + Statistics + RDIU IP Office + Researchers + Initiatives + Labs + News + LOGIN

PROJECTS

PROJECTS HISTORY PROJECTS STATISTICS

Show 10 entries
Showing 1 to 10 of 150 entries

Project Status	Entry No.	Title of Proposed Project	Department	Type	College	Lab	Principal Investigator	Researchers	Start Date	Duration in Months	End Date	Grant Year
ACCEPTED	149	Advancing Document Security: AI-Powered Detection of Malware in PDF and Office Files Using Transformers			CCIS	SEL LAB	Iman Almomani	Iman Almomani, Walid El-Shafai and Yoko Akasaka				2024
Under review	150	Study of chaos in dynamical systems with neural networks and its applications in image encryption algorithms			CCIS		Muhammad Abbas Malik	Muhammad Abbas Malik and Zia Bashir				2024
Under review	151	Simulative study of open source cyber security tools			CCIS		Naveed Ahmad	Naveed Ahmad, Mohammad Ali Alkhara and Yashir Javed				2024
Under review	152	Processing of nested collections by non-			DI		Dina El-Dakka	Dina El-Dakka, Marjona Macias-Morales, Pabla and				2024



Infrastructure Sustainability

PSU assesses the sustainability of its own infrastructure, such as campus buildings and facilities. These efforts are to reduce energy consumption, increase resource efficiency, and minimize environmental impact.



Architecture Students Shortlisted among the finalists for the "King Salman Charter for Architecture and Urbanism Award" (July 8 2024)

The Architecture Department at the College of Architecture and Design at Prince Sultan University is pleased to announce the nomination of two students in the shortlist of the top ten projects in the Student Design Projects track of the King Salman Charter for Architecture and Urbanism Award in its first edition. The two nominated projects are: 'Co Rise', designed by student Khuloud Al Harthi, and 'Abq Al Marakh', designed by student Huda Saeed Al Qahtani.

Sustainable Architecture LAB ,SEMINAR 07: INTEGRATING CLIMATE RESILIENCE INTO URBAN GREEN REGENERATION (May 19 2024)

Organized and presented by Dr. Monica Moscatelli

SALab Seminar

meet.google.com/eyy-vced-gnb

Presenter:

DR. Alessandro Raffa, Assistant Professor PON R&I FSE- REACT-EU at the Department of European and Mediterranean Cultures, University of Basilicata, Italy

INTEGRATING CLIMATE RESILIENCE
INTO URBAN GREEN REGENERATION

SEMINARS 2023-2024 SALab Sustainable Architecture



INTEGRATING CLIMATE RESILIENCE INTO URBAN GREEN REGENERATION

RE-DESIGNING STREETSCAPES AS NATURE-BASED AND INCLUSIVE COMMONS

SALab Seminar
19.MAY. 2024
12-13 PM

meet.google.com/eyy-vced-gnb

Alessandro Raffa, Architect Ph.D., is Assistant Professor PON R&I FSE- REACT-EU at the Department of European and Mediterranean Cultures, University of Basilicata, where is member of the Nature CityLab and UNESCO Chair on Mediterranean Cultural Landscape and Communities of Knowledge research groups.. He had been Fulbright Visiting Scholar at FIBER and College of Design, Construction and Planning, University of Florida (2023-2024); post-doc researcher at Politecnico di Torino (2021-2022) and research fellow at Fondazione Benetton (2020). He is also associate researcher at FEEM-Fondazione ENI Enrico Mattei and Accademia Adrianea di Architettura e Archeologia. His research addresses climate adaptation in urban regeneration via Nature-based solutions in the Med region.

Presenter:
Dr. Alessandro Raffa
UNIBAS, Matera, Italy
Assistant Professor RTDA
PON R&I and FSE-REACT-EU



60

SUSTAINABLE DEVELOPMENT GOALS





Architecture Sustainable Lab Seminar : EMPOWERING SAUDI ARABIA: OUR ROLE IN ADVANCING THE SUSTAINABILITY AGENDA TOWARDS CARBON NEUTRALITY BY 2060 (February 14,2024)

Saudi Arabia, a major oil producer, aims to achieve carbon neutrality by 2060 in line with the Paris Agreement, recognizing the necessity of sustainable development. This lecture underscores the pivotal roles of stakeholders – individuals, businesses, and government – in driving sustainability.



SA-LAB Seminar_02: Innovation in Sustainable Housing Design (December 06,2023)

SEMINARS 2023-2024 SALab Sustainable Architecture



INNOVATIONS IN SUSTAINABLE HOUSING DESIGN

Exploring Environmental and Cultural Dynamics

Dr. Dina Shata, an architect with over 15 years of industry experience, is currently a PhD candidate in Architecture and Built Environment, Faculty of Engineering at Queensland University of Technology, Australia (QUT). Her professional background spans mega projects, architectural design, and interior design. Her research focuses on the impact of environmental and cultural factors on residential architectural design, urban design, as well as renewable energy applications and machine learning in architecture. With a strong interest in sustainable urban design, she is dedicated to bridging the gap between theory and practice. Dina is not only a researcher but also a passionate educator, emphasizing critical thinking and adaptability in her teaching to prepare students for successful futures in the field.

SALab Seminar 2
6. DEC. 2023
12-1 PM (KSA)
meet.google.com/qjd-clnk-wmz

Presenter: Dr. Dina Shata
Queensland University of Tech(QUT)
School of Arch & Built Environment
Visiting PhD candidate



Sustainable Architecture lab invites you to the second SA-Lab seminar, Academic Year 2023-2024. Presenter: Arch. Dina Mohamed Osama Mohamed Ali Hussein Shata Queensland University of Tech (QUT) School of Arch & Built Environment, Brisbane, Australia invites

Architecture Department Students Contributing in Redefining Riyadh's Landscape (January 23,2024)

Architecture students at Prince Sultan University are making waves by participating in a design competition suggested by the Riyadh Region Municipality for a key location in Riyadh, contributing to sustainable urban development. Guided by Dr. Amani Derbali and the Studio Design V instructors' team, the students recently explored the site, capturing crucial insights for their soon-to-come innovative designs.



The Communication and Networks department organized a field trip for its students to visit "The Future Energy Show KSA" exhibition (October 30,2023)



A group of communications and networks engineering embarked on an educational experience to visit the "Future Energy Exhibition in the Kingdom of Saudi Arabia." The event provided a platform for students to explore the latest developments in energy technologies. Students had the opportunity to interact with industry professionals and gain insights into cutting-edge technologies, including renewable energy sources, smart grid systems, and energy management solutions. The students left the exhibition with a vision of a future supported by clean and efficient energy systems.

In summary, PSU has played a crucial role in advancing SDG 9 and has contributed to reporting on the progress toward achieving this goal through its research, education, innovation, partnerships, and advocacy efforts. By actively engaging with SDG 9-related activities and sharing its experiences, PSU has helped drive sustainable industrialization, resilient infrastructure development, and innovation.

Reduced Inequalities

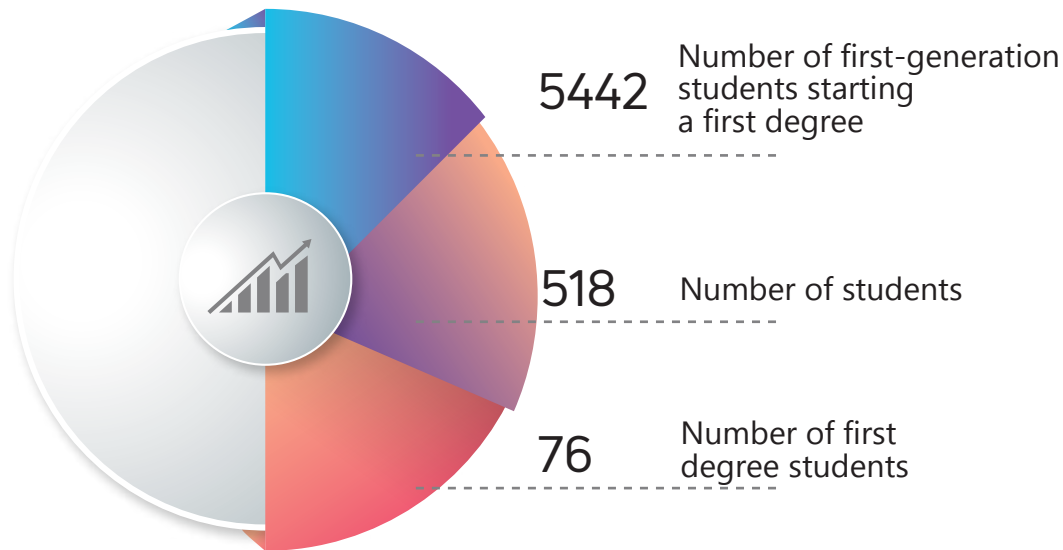


جامعة الامير سلطان
PRINCE SULTAN
UNIVERSITY

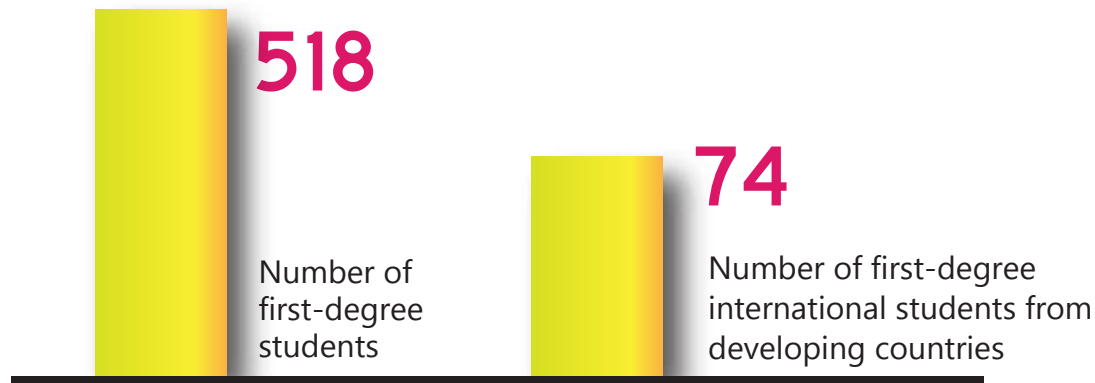




First-generation students



Students from developing countries



- No. of first-generation students percentage will increase over 14 percent which is much handsome figure as compared to the previous decades. It would show us the awareness & results of proficient policies by government to reduce inequalities.
- Students from developing countries is almost 14% of the total students which belongs to low-income level or middle-income level. With respect to international students PSU assign special quota which is increased up to 20% of the total students in all fields. With all privileges 0.3% differently-abled students are enrolled at PSU with special treatments without any extra cost, providing opportunity to be equal and well-established citizens of the Kingdom
- Prince Sultan University is an equal-opportunity institute that strongly prohibits all forms of discrimination based on gender, race, ethnicity, religion, nationality, or disabilitys

Reference: Academic Year 2023



Students with disabilities



17

Number of
students with
disabilities

5442

Number of
students

Employees with disabilities

4

Number of
employees with
disabilities

803

Number of
employees





Anti-Discrimination Policy

Prince Sultan University (PSU) is an equal-opportunity institution that strongly prohibits all forms of discrimination based on gender, color, age, race, ethnicity, religion, nationality, marital status, or disability.

1



Prince Sultan University
PSU Policy Management System

Accessibility, Non-discrimination, and Harassment Policy

Policy Code: GV 0007

Policy Name: Accessibility, Non-discrimination, and Harassment Policy

Handling Unit: The President Office

Date of Current Revision: August 2020

Approved by: University Council

Date of Approval: 02/09/2020

Purpose

Prince Sultan University provides a healthy equal-opportunity educational environment free from discrimination and all types of harassment. The main purpose is to foster a pleasant atmosphere where all can learn, innovate and achieve.

Definitions:

Discrimination: is treating a person differently based on gender, race, disability, nationality, or religion

Harassment:

Any behavior or attempts to offend, harm or offend a person. This includes verbal, physical, written or published using social media

Deanship of Student Affairs' centers and units



Academic Advising Center (AAC)

Student Support Unit (SSU)

Educational Enhancement Unit (EEU)

Student Leadership Center (SLC)

Students Activities Unit

Student Clubs

Students Development & Services Unit

International and Minority Student Support Unit (IMSSU)

Cooperative Education Unit (CEU)

Alumni Relations Unit (ARU)



Writing and Tutoring Center

The Writing and Tutoring Center (WTC) is a newly founded center offering academic services and support to undergraduate, graduate students, faculty members and admins at Prince Sultan University as well as researchers and external guests from outside the university.



Sports Facilities

Sports and games play an essential role in shaping a well-rounded personality and maintaining good health. They directly contribute to the physical development of students and, together with other co-curricular activities they support the excellent results of Prince Sultan University community members.

Services for Users with Disability



The Library provides support to its users with special needs in line with PSU and library mission. Library facilities are readily accessible to the service population in general, users with disabilities in particular.



Sustainable cities and communities



جامعة الامير سلطان
PRINCE SULTAN
UNIVERSITY





Prince Sultan University exhibits high commitment to the global blueprints designed to deliver progress, peace and prosperity for people and the planet, including preserving and sustaining the heritage of communities. As an important stakeholder, PSU contributes towards the achievement of sustainable cities and communities through various events, practices and research. It regularly organizes events and exhibitions for students and employees to promote the culture and appreciation of Saudi heritage.

The strong commitment can be witnessed from the type of support provided in events related to arts and heritage and the sustainable practices followed for sustainable commuting, remote working for employees, affordable housing, buildings to sustainable standards etc. Moreover, the integration of sustainability as an important topic is endorsed in our curriculum, research and outreach.

Sustainable Architecture LAB ,SEMINAR 07: INTEGRATING CLIMATE RESILIENCE INTO URBAN GREEN REGENERATION

SEMINARS 2023-2024 SALab Sustainable Architecture



INTEGRATING CLIMATE RESILIENCE INTO URBAN GREEN REGENERATION

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Presenter:
Dr. Alessandro Raffa
UNIBAS, Matera, Italy
Assistant Professor RTDA
PON R&I and FSE-REACT-EU



Organized by Dr. Monica Moscatelli



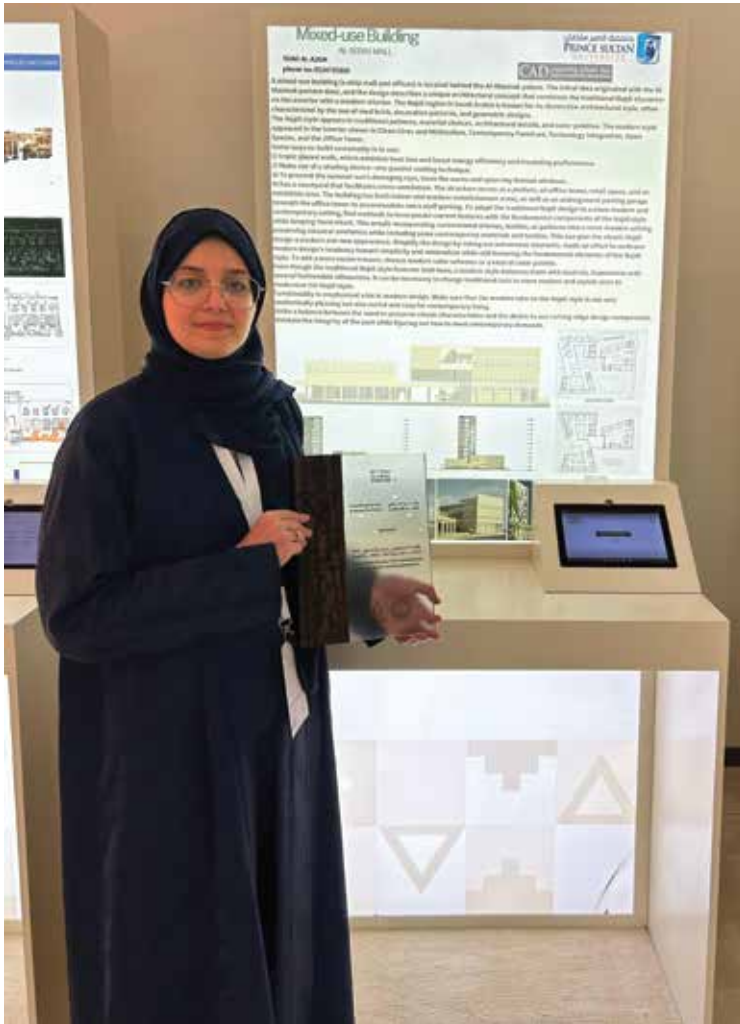
Architecture Department Representatives Visit to Al-Ula

A delegation from the academic body from the Department of Architecture at Prince Sultan University, represented by the Dean of the College of Architecture and Design, Dr. Samaher Fallata, the Head of the Department of Architecture, Dr. Iman Sabry, and two faculty members, Dr. Jane Handal and Dr. Ola Jarrar, participated in a field visit and preparatory discussion sessions to the city of Al-Ula, accompanied by academic delegations from the universities of Paris. ENSA Paris Val-de-Sein and ENSA Paris Malaques. The visit is considered the beginning of the student exchange program between the three universities, which is scheduled to begin next September and continue until February 2025.



The French-Saudi students exchange program in the Architecture Department





Construction Site Field Trip

The trip to the Riyadh Avenue construction site was a valuable experience for students of the second and third years in the Architecture Department, helping them connect textbook knowledge to real-life situations. This enhanced their understanding of construction concepts and improved their visualization skills in design courses. Overall, the trip bridged the gap between theory and practice, benefiting students' academic development and course learning outcomes.

Best Poster selected for the Diriyah Global Seminar Competition

The College of Architecture and Design congratulates the architecture student\ Suad Al-Azem for selecting the poster for her third-year mixed-use design project, titled Al-Seraj Mall, as one of the best 5 posters in the Best Poster Competition held by the Diriyah Global Seminar held 10-11 December 2023. Dr. Hala Sirror, an assistant professor in the architecture department, supervised the project.



SA-LAB Seminar_02: Innovation in Sustainable Housing Design

SEMINARS 2023-2024 SALab Sustainable Architecture



INNOVATIONS IN SUSTAINABLE HOUSING DESIGN

SALab Seminar 2
6. DEC. 2023

12-1 PM (KSA)

meet.google.com/ijd-clak-wmz

Exploring Environmental and Cultural Dynamics

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Presenter: Dr. Dina Shata
Queensland University of Tech(QUT)
School of Arch & Built Environment
Visiting PhD candidate



Organized by Dr. Silvia Mazzetto

Green Building & LEED Certification

The college of Architecture and Design Invites the architecture students (Fourth and Fifth levels) to participate in the Diriyah Mosque Design Competition






تدعو كلية العمارة والتصميم
طلاب المستويين الرابع و الخامس بقسم العمارة
إلى المشاركة في مسابقة

التصميم المعماري لمساجد الدرعية

آخر يوم للتسجيل هو ٢٥ يوليو ٢٠٢٣ م

The College of Architecture and Design invites
fourth and fifth-level students in the Department
of Architecture to participate in the

ARCHITECTURAL DESIGN COMPETITION for Diriyah Mosques

Last day for registration
is July 25th, 2023

للتسجيل



FOR
REGISTRATION

Responsible consumption and Production



جامعة الامير سلطان
PRINCE SULTAN
UNIVERSITY





Operational measures

Prince Sultan University is involved in several industrial, academic, governmental, local, and international collaborations that are leading the way in the search for sustainable consumption and waste disposal. Policies are formulated and in place in the university that tackles different waste disposal, and ethical food sourcing and supplies. Various activities such as forums, workshops and outreach were done in this regard. Partnership with companies such as Jahez that values sustainability in their work processes provides big impact to the university and its community.

Prince Sultan University PSU Policy Management System Sustainable Ethical Food Sourcing Policy	
Policy Code:	GV0015
Policy Name:	Sustainable Ethical Food Sourcing Policy
Handler:	PSU Catering Services Unit
Date Created:	15 July 2020
Date of Current Review:	15 August 2020
Approved by:	University Council
Date of Approval:	02/09/2020



Prince Sultan University PSU Policy Management System Sustainable Waste Management, Prevention and Disposal Policy	
Policy Code:	GV0016
Policy Name:	Sustainable Waste Management, Prevention and Disposal Policy
Handler:	PSU Maintenance Department
Date Created:	15 July 2020
Date of Current Review:	15 August 2020
Approved by:	University Council
Date of Approval:	02/09/2020



Prince Sultan University PSU Policy Management System Sustainable Funding/Donations Policy	
Policy Code:	GV0020
Policy Name:	Sustainable Procurement Policy
Handler:	Center for Sustainability and Climate, Vice- President for Administrative and Financial Affairs Office
Date Created:	15 July 2020
Date of Current Review:	28 August 2022
Approved by:	Policies & Development Unit & University Council
Date of Approval:	05/10/2022





PepsiCo and PSU Activate First Student Led Competition

Student competition on Zero Waste initiative shortlisted 5 groups. The participants focused on different environmental challenges such as using cloud computing for sustainability, waste disposal locator and pollution monitoring, recycling, IoT and NFC in waste disposal, using RFID on electronic wastebin, and waste management systems.



"Green Economy and Environmental Protection – Saudi Vision 2030" Forum

Through the Compliance Office, a forum on Green Economy and Environmental Protection was conducted that participated by different experts on sustainability. The keynote speaker was Mr. Asad Naqvi, Head of the Secretariat, the UN Partnership for Action on Green Economy (PAGE) and Head of the Secretariat, the Green Growth Knowledge Partnership (GGKP), wherein he talked about "tackling the economic and environmental crises together".



Research

Energy, Water, and Environment Lab



The establishment of a new applied science and engineering research Lab (EWE) is of great importance to PSU from different aspects, including teaching, research, training, partnership with stakeholders, national and international collaboration, exchange of students and staff, visibility and ranking, creation of startups and joint venture, as well as society engagement. The main research activities at EWE focus mainly on hot topics which are of great importance towards Sustainability and Circular Economy in the Kingdom.

- Circular and sustainable economy: recycling, waste management, and transformation.
- Green technologies: industrial decarbonization, green molecules (like ammonia and hydrogen).
- Treatment of effluents (hospitals, pharmaceuticals, dairy products, steel and aluminum industries, pigments, and paints, etc.).
- Biomedical field like cancer imaging and therapy
- Agriculture like biopesticides and biofertilizers, insects sensing and remediation.
- Air pollution and remediation: such as gas sensing and airborne treatment and Anticorrosion

Renewable Energy Lab



Research Labs such as Renewable Energy Lab, who are in cooperation with Power and Telecom Technologies Co., KFB Holding Group, Riyadh for a collaborative consultancy project on investigations on minimizing electricity cost and feasibility study of self-sustainable campus. Research Projects such as the Sustainable Nano grid based Networked Electricity - A Paradigm shift for Electricity Infrastructure, was done to provide the community with an alternative to the grid and diesel-powered electricity. This is just one of the project of this Research Lab and more research and project are being done.

- Clear plan for executing energy saving measures by identifying the energy Intensive electrical utilities inside the campus
- Identifying the electrical inefficient processes in the campus
- Economic analysis for power quality improvement and energy savings.
- Financial benefit (reduction in the billing cost), investment and payback period



Sustainable Architecture Lab

The SA Lab functions within the framework of the Architecture program at Prince Sultan University. Aligned with the Saudi Vision 2030, the SA Lab engages in diverse research areas crucial to the development and societal welfare of Saudi Arabia. The interdisciplinary team focuses on topics that contribute to the university's strategic research goals, particularly within the context of environmental sustainability practices.



Structures and Material Lab

The Structures and Materials (S&M) Research laboratory was recently established with the aim to promote the scientific research environment at PSU through national and international collaborations with industrial and academic partners in multidisciplinary areas related to Structural Engineering, Materials, Composites, and Geotechnical and transportation Engineering. The lab team was successful in attracting several key collaborations including Saudi Aramco (KSA), American Society of Civil Engineers (ASCE), Deltares research firm (Netherlands), Queen's University Belfast (UK), University of Limerick (Ireland), KAUST (KSA), and United Arab Emirates University (UAE).

Climate Action



جامعة الامير سلطان
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As a leading institution committed to global sustainability, Prince Sultan University recognizes the urgent need to address climate change. SDG 13 serves as a guiding principle for our efforts to cultivate a climate-conscious campus and foster a culture of environmental stewardship. Through innovative educational programs, research initiatives, and community partnerships, PSU is actively working to raise awareness about climate change, develop sustainable solutions, and inspire future generations to become climate champions. By integrating climate action into our academic curriculum and operations, we are striving to create a more resilient and sustainable future for all.

Local Education Programs on Climate Change:

The creation and execution of regional climate change education programs is one of PSU's main priorities. These initiatives seek to increase knowledge of the risks, consequences, adaptation tactics, impact reduction techniques, and early warning systems associated with climate change among students, professors, and the general public. PSU holds lectures, seminars, and workshops to promote creative solutions to climate-related problems and to give a thorough understanding of them. Through these programs, PSU aims to equip people with the information and abilities they need to make wise decisions and take preventative action to lessen the consequences of climate change. This strategy supports SDG 13's overarching objective of promoting local climate knowledge and awareness. The following events were held in 2023-24 to inform the local populace about climate change.

Second International Conference on Sustainability, Development and Innovations



The 2nd International Conference on Sustainability: Developments and Innovations (ICSDI 2024), hosted by Prince Sultan University in Riyadh, was a significant event that aligned with Sustainable Development Goal 13 (SDG-13), which aims to combat climate change and its impacts. Held from February 18 to 22, 2024, the conference brought together over 1,200 industry leaders, researchers, and professionals from more than 40 countries. It featured discussions and presentations on various topics, including sustainable construction, renewable energy innovations, and resilient infrastructure. The event fostered collaboration and knowledge sharing, driving advancements in reducing carbon emissions and enhancing climate resilience. ICSDI 2024 played a crucial role in addressing climate change challenges and promoting sustainable practices, contributing to global efforts to achieve SDG-13.



Keynote Speech on Sustainability in the Water Sweetening Industry

Second Keynote Speaker Hon'ble Governor of the General Saltwater Sweetwater Foundation M. Abdullah Abdulkarim discussed the importance of sustainability in the water sweetening industry and the role of the General Foundation in climate-resilient projects. These efforts are part of the broader sustainability plans under Saudi Vision 2030, contributing significantly to the Green Saudi Initiative and other climate-related initiatives.

Architecture Sustainable Lab Seminar : EMPOWERING SAUDI ARABIA: OUR ROLE IN ADVANCING THE SUSTAINABILITY AGENDA TOWARDS CARBON NEUTRALITY BY 2060

Saudi Arabia, a major oil producer, aims to achieve carbon neutrality by 2060 in line with the Paris Agreement, recognizing the necessity of sustainable development. This lecture underscores the pivotal roles of stakeholders – individuals, businesses, and government – in driving sustainability.

Forum Discussion on Knowledge Exchange: Adaptive Greening Solutions to Tackle Climate Change

The Architecture Department Forum titled "Knowledge Exchange: Adaptive Greening Solutions to Tackle Climate Change" is organized by the Sustainable Architecture Lab. This forum aims to foster an open discussion on climate change, bringing together prominent national and international partners to share insights and solutions. It represents a significant opportunity for collaboration and knowledge exchange in the field of sustainable architecture.



Lecture on Electric Vertical Take-Off Electric Aircraft



Prince Sultan University, represented by the Faculty of Engineering in cooperation with the Ministry of Investment, organized a lecture titled (Electric Vertical Take-Off Electric Aircraft) presented by Michael McKissic, CEO of MK Technology, and an expert in aviation manufacturing, in the presence of representatives of the Ministry of Investment and many other stakeholders. With these types of lectures and awareness on innovation to use electrical energy instead of fuel energy, the university aims to focus on a clean environment.

Transformation of Campuses to Sustainable and Eco-friendly Learning Hubs - Discussion of Experts during Digital Universities 2023 Conference



During the second day of the Digital Universities 2023 conference, regional and global experts discussed how to transform our campuses into sustainable and eco-friendly learning hubs.



Prince Sultan University organized a lecture on The Unknown and the Environment of Space



Prince Sultan University organized a lecture titled (The Unknown and the Environment of Space) presented by Dr. Travis Blake, the manager of the SMD Space Traffic Coordination Program, NASA Directorate of Scientific Missions.

Students of PSU won the second place in Environmental Speech Competition in Dubai



Students of Prince Sultan University, represented by the Faculty of Architecture and Design, win the second place in the Environmental Speech competition in its 23rd round in Dubai, namely: Reem Al-Kaseer, Dana Abusreh, Jud Al-Najjar, Sarah Al-Barazi, and Nadine Hashim, under the supervision of Dr. Walaa Metoli, among 22 teams from different universities and colleges, have presented innovative and non-traditional solutions to renewable energy.



The Students of the Debate Club Win the First Place in the Environmental Speech Competition in its 23rd Course in Dubai

The pride of Prince Sultan University, the students of the debate club win the first place in the Environmental Speech competition in its 23rd course in Dubai, they are: Abdullah Daban, Hossam Al-Aqeel, Moroccan Hind, Lin Hashim and Noura Al-Salamah, under the supervision of Mrs. Sofia Adan, and Mr. Mohamed Al-Sunnani, among 21 teams from different universities and colleges globally, they have presented innovative solutions about The environment and its importance.

Prince Sultan University holds workshop to Promote Solar Energy Solutions

A three-day workshop was held at the Prince Sultan University Campus to provide participants with practical experience in the installation and operation of solar photovoltaic (PV) systems. The "Hands-on Solar PV Installation Training" workshop, held on 13—15 October 2024, was conducted under Dr. Umashankar Subramaniam, Associate Professor, and Er. Sivakumar Selvam, Lecturer from the Department of Communications and Networks Engineering, College of Engineering. Organized on behalf of the Renewable Energy Laboratory, the workshop focused on its commitment to promoting renewable energy solutions, reinforcing the importance of practical training in promoting sustainable energy solutions.





Climate Action Plan

In support of climate action, PSU has developed a comprehensive policy and taken various actions that outlines the university's commitment to reducing its carbon footprint and increasing sustainability.



Recycling of Cans to Earn Points - An initiative to make Environment Clean

In the presence of His Excellency the President of Prince Sultan University and the CEO of Ready Company, a Ready for Recycling initiative has been launched in cooperation with the university represented by the Sustainability Club of the Faculty of Engineering. The idea of the device is to recycle the cans and obtain points that can be replaced in a Ready-made application, as this device is the first of its kind in the field of sustainability in Universities in Saudi Arabia.



The Community Service and Continuing Education Center organized a cleanup campaign for Wadi Laban, involving University employees, faculty, and students.

Towards Sustainable Smart Cities - A workshop organized by Center for Local Administration in Prince Sultan University in collaboration with Prince Sultan University



The Center for Local Administration in Prince Sultan University organized a workshop titled "Towards Sustainable Smart Cities" in the presence of decision-makers and practitioners. During which experiences and experiences were exchanged on best practices and strategic solutions to enhance the concept of smart cities, in line with the Kingdom's Vision 2030 and achieving the Sustainable Development Goals, and a launch from the Kingdom's achievements in achieving quality of life and promoting improvement of the infrastructure of the cities.



Inform and support government

Inform and support local or regional governments in local climate change disasters or risk early warning and monitoring.



Development of Human Capacities in the Field of Energy Efficiency

The generosity of the Saudi Center for Energy Efficiency, Prince Sultan University represented by the Faculty of Engineering; in view of its efforts in the development of human capacities in the field of energy efficiency, as part of the events of the #ISCO_Saudi_Arabia_2024 meeting

Sabak's Strategy for Carbon Neutralization

The work of the third and final day of the Second International Conference on Sustainability ICSDI2024 kicked off, where Dr. Mohamed Al-Atibi, General Supervisor of the Research, Development and Innovation Development Authority, spoke about promoting the Kingdom's developments and innovations to achieve national priorities of the RSD and Innovation sector, and its importance in the growth of the world's economies. Dr. Fahad Al-Shrihi, Vice President for Sustainability in Sabak, also spoke about leading the industry transformation, the power of corporate sustainability, and the Sabak's strategy for carbon neutralization, and focusing on Sabak's circular economy.





Environmental education collaborate with NGO & Collaborate with NGOs on climate adaptation



Partnership Agreement with Shell Company regarding high-energy-efficient Vehicle

Prince Sultan University, represented by the Faculty of Engineering, signed a partnership agreement with Shell Company during the participation of the university team in the Shell Eco Marathon for the 2024 season in Indonesia, to build a high-energy-efficient vehicle with modern design and high-quality technology.

Representative of the United Nations Development Program in Saudi Arabia, spoke about the Sustainable Development Goals and the efforts of the Kingdom to achieve them

The work of the second day of the Second International Conference on Sustainability has begun at Prince Sultan University, where Ms. Nahid Hussein, the resident representative of the United Nations Development Program in Saudi Arabia, spoke at the beginning about the sustainable development goals and the efforts of the Kingdom to achieve them. Dr. Ton Segren, Director of Deltaris Middle East and Africa, spoke about the challenges of water management in a changing world, where increasing water scarcity has become a major challenge facing sustainable development.



Students and Faculty members of Prince Sultan University visited Riyadh Expo to discuss and collaborate with Startups regarding various Research and Solar Projects



Prince Sultan University students from the Electrical Engineering Program visited the Solar & Energy Storage KSA 2024 on Oct. 16 to get first-hand knowledge about the latest technologies in energy storage, solar panels, and innovative technology systems. The expo is the Kingdom's leading solar and energy storage event that was held from 15-16 Oct 2024 in Riyadh, attracting several manufacturers, businesspersons, distributors, entrepreneurs, practicing professionals, academicians, students, and startups. The PSU undergraduate students were led by their College of Engineering faculty, Dr. Umashankar Subramaniam and Mr. Sivakumar Selvam. Several local and international companies providing solar solutions participated in this expo, such as Solar Arabia, Solar Land Energy, Riyadh Cables, Zayel Solar, Bahr Cable, Al-Rabeh International, Fluke Systems, Sun Grow Systems, Wenzhou Kinee Electrical co., Jinko Solar, Runergy, PovernSun, etc.

PSU students took the opportunity to discuss potential research and solar projects with startup companies. During the visit, they met delegates from Solar Arabia and discussed cooperation and supporting the University. They discussed future research collaboration and support for renewable energy projects supporting SDG 7 and SDG 13. Later Professor Bernard Amadi, President of the organization (Engineers Without Borders) in America, spoke about global engineering and the importance of engineering contribution to achieving the Sustainable Development Goals.



Commitment to carbon neutral university



We're now Carbon Neutral!

Prince Sultan University is now CarbonNeutral® Company Certified!

Prince Sultan University, the 1st CarbonNeutral certified university in the MENA region

Prince Sultan University is partnering with Climate Impact Partners, an expert in carbon market solutions for climate action, to earn CarbonNeutral® certification. The university had an independent evaluation of the greenhouse gas emissions created by the 5000 tonnes of CO2e covered by certification. The first Saudi university to pledge net zero carbon university by 2060 will be at Prince Sultan University. The race to zero for universities and colleges campaign is jointly managed by EAUC, Second Nature, and UN environment. The University also has CSC (Prince Sultan University Center for Sustainability and Climate), which is the first student SDG Club in Saudi Arabia with Prince Sultan University.

CarbonNeutral®
Company

Prince Sultan University

5000 tonnes CO2e

This certificate verifies that:

The stated subject is carbon neutral through the use of high quality environmental instruments in accordance with The CarbonNeutral Protocol. All credits adhere to standards approved by the International Carbon Reduction and Offset Alliance (ICROA).


Vaughan Lindsay
CEO - CLIMATE IMPACT PARTNERS

Certification	Issued on
CarbonNeutral Company	15 Jan 2023 - 11 Dec 2024
Scope of organization	Quantity of certified instruments
Prince Sultan University	5000
Subject	Certificate number
Prince Sultan University	CN00011000
Project info	Climate Impact Partners
Global Standard (Scope Protocol) (1.033-02.02)	





Commitment to carbon neutral university

jahez



جاهز تزرع ٥٠٠ شجرة بالتعاون مع جامعة الأمير سلطان
لخفض الكربون و تحقيق مستهدفات الاستدامة

JAHEZ PLANTS 500 TREES IN COOPERATION WITH PRINCE SULTAN UNIVERSITY
TO REDUCE CARBON EMISSIONS AND ACHIEVE SUSTAINABILITY GOALS

Tuesday - الثلاثاء (28th February - فبراير)
12:00-15:00



PSU's efforts include:

- Environmental Education: PSU conducts various programs to raise awareness about climate change, including lectures, seminars, and workshops.
- Collaborative Initiatives: The university partners with organizations like Climate Impact Partners to implement carbon market solutions.
- Sustainability and Climate Center: PSU's Center for Sustainability and Climate drives initiatives to reduce carbon emissions and promote sustainable practices.
- Net Zero Pledge: PSU is the first Saudi university to pledge becoming a net zero carbon institution by 2060.

Together with Prince Sultan University, Jahez plants 500 trees in an effort to cut carbon emissions and meet sustainability goals.

Achieve by Date

Prince Sultan University (PSU) is deeply committed to achieving carbon neutrality by 2060. This commitment aligns with Saudi Arabia's Vision 2030 and the United Nations Sustainable Development Goals (SDGs).

Life below water



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SDG 14 focuses on conserving and sustainably using the oceans, seas, and marine resources for sustainable development. PSU has contributed to and has reported on SDG 14 through various activities and initiatives.

Research and Data Collection:

Researchers at PSU have conducted research related to marine life, sustainable fisheries, ocean health, and other relevant topics and have collected data on the state of local marine ecosystems and the impact of human activities. Following are some of the published research papers from PSU authors on SDG 14.



Effective Removal of Nile Blue Dye from Wastewater using Silver-Decorated Reduced Graphene Oxide

Natasha, Abbas Khan,* Ubaid Ur Rahman, Sadaf, Muhammad Yaseen, Rasha A. Abumousa, Rozina Khattak, Noor Rehman, Mohamed Bououdina, and Muhammad Humayun*

Cite This: ACS Omega 2024, 9, 19461–19480

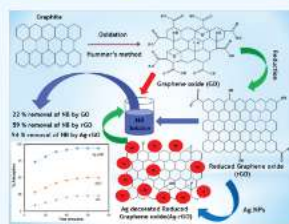
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Article Recommendations

ABSTRACT: Nile blue (NB) dye is a highly toxic substance that when discharged into sewage presents a significant risk to the environment and human health. Carbon-based nanomaterials, such as graphene oxide (GO), reduced graphene oxide (rGO), and their nanocomposites, offer considerable potential for eliminating hazardous pollutants from aqueous systems. In this study, we have successfully fabricated bare GO and rGO, and then, the rGO was decorated with silver (Ag) nanoparticles to develop the Ag-rGO composite. The as-prepared materials were characterized by various techniques, such as UV–visible (UV–vis) and Fourier transform infrared (FTIR) spectroscopies, X-ray diffraction (XRD), energy-dispersive X-ray (EDX), and scanning electron microscopy (SEM) to elucidate their structure, morphology, and chemical composition. The pollutant removal performance of the as-prepared materials was evaluated through a batch approach under the effect of various experimental variables for removal of NB dye from wastewater. As obvious, the Ag-rGO composite revealed exceptional performance for NB dye removal from wastewater, with a maximum removal percentage of 94% within 60 min, which is remarkably higher than those of the rGO (i.e., 59%) and GO (i.e., 22%), under the same experimental conditions. The adsorption data were analyzed with thermodynamics, isotherms, and kinetics models to better understand the physicochemical mechanisms of NB dye removal. The results reveal that Ag-rGO nanocomposite exhibit excellent adsorption ability and kinetic parameters for NB dye removal. It was also found that the presence of light enhanced the adsorption of NB dye using Ag-rGO as an adsorbent. The present study noted significant reusability of the Ag-rGO nimal Ag leaching and/or the robust stability of the Ag-rGO. It is suggested that Ag-rGO-based omising candidates for efficiently adsorbing and catalytically removing various toxic pollutants from



Impact of pathogenic bacterial communities present in wastewater on aquatic organisms: Application of nanomaterials for the removal of these pathogens

Gamze Yesilay^{a, b}, Otávio Augusto L. dos Santos^c, Bevin Rager A.^d, Layla J. Hazeem^e, Bianca Pizzorno Backx^f, Judith Vijaya^g, Ayman H. Kamel^{h, i}, Mohamed Bououdina^{j, k}

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NANOCOMPOSITES
2024, VOL. 10, NO. 1, 122–137
<https://doi.org/10.1016/j.aquatox.2023.106620>

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Novel magnetite/persulfate/ozone hybrid system for catalytic degradation/ozonation of sunset yellow dye from wastewater

Wali Muhammad^a, Sajjad Hussain^b, Abbas Khan^{c, d}, Hamad Khan^e, Nadeem Khan^f, Saad Ullah Khan^g, Sajad Ali^h, Mohamed Bououdinaⁱ and Muhammad Humayun^j

^aDepartment of Chemistry, Abdul Wali Khan University Mardan, Mardan, Pakistan; ^bDepartment of Chemical Engineering, Faculty of Mechanical & Chemical Engineering, Institute of Engineering Sciences & Technology, Topal, 10, Pakistan; ^cEnergy, Water, and Environment Lab, College of Humanities and Sciences, Prince Sultan University, Riyadh, Saudi Arabia

ABSTRACT

Food dyes with a diverse set of colorants stimulate appetite and enhance aesthetic charm of food on table but at the same time these dyes contaminate the aquatic and biological ecosystems due to their cytotoxic and carcinogenic potentials. Herein, we report magnetite catalyzed removal of sunset yellow dye from water through catalytic degradation and ozonation. The magnetite catalyst revealed about 63% catalytic degradation and 50% catalytic ozonation performance toward sunset yellow dye at 100 and 25 min, respectively. Furthermore, the persulfate/magnetite/O₃ hybrid system revealed superior performance compared to the persulfate/magnetite under identical conditions. Kinetic studies revealed that the dye degradation data followed second-order kinetics, suggesting that the dye removal process is physicochemical in nature. This study further demonstrates that the persulfate/magnetite/O₃ hybrid system can efficiently decompose sunset yellow dye in aqueous solution compared to the Fenton's reagent and simple catalytic decomposition processes which is attributed to its unique structural features.

ARTICLE HISTORY
Received 9 October 2023
Accepted 20 March 2024

KEYWORDS
Catalytic degradation;
kinetic studies; ozonation;
persulfate; second order;
sunset yellow dye





Fabrication and characterization of CuO-SiO₂/PVA polymer nanocomposite for effective wastewater treatment and prospective biological applications

Muhammad Yaseen^a, Abbas Khan^{a,b}, Muhammad Humayun^{a,b}, Shaista Bibi^a, Saima Farooq^c, Mohamed Bououdina^b and Sajjad Ahmad^d

^aDepartment of Chemistry, Abdul Wali Khan University Mardan, Mardan, Pakistan; ^bEnergy, Water and Environment Lab, College of Humanities and Sciences, Prince Sultan University, Riyadh, Saudi Arabia; ^cDepartment of Biological Sciences and Chemistry, College of Arts and Sciences, University of Niwa, Niwa, Oman; ^dDepartment of Zoology, Abdul Wali Khan University Mardan, Mardan, Pakistan

ABSTRACT

The quality of water significantly affects the health and welfare of all organisms, highlighting the importance to develop low-cost and efficient wastewater treatment methods. Herein, we report the fabrication, characterization, and utilization of a polymer-based ternary nanocomposite (CuO-SiO₂/PVA) for the removal of Nile Blue (NB) and Methylene Blue (MB) contaminants from wastewater, along with exploring its potential biological activities. We have successfully employed the cost-effective sol-gel and in-situ polymerization approaches to fabricate the CuO-SiO₂/PVA based ternary composite, utilizing Cu(NO₃)₂·3H₂O:Glycerol:TEOS:PVA in a ratio of 8:2:3:4. The desired fabrication of nanocomposite was confirmed through UV-Visible spectroscopy, SEM (scanning electron microscope), TEM (transmission electron microscope), EDX (energy dispersive X-ray diffraction), FTIR (Fourier transform infrared), DSC (differential scanning calorimetry), and TGA (thermogravimetric analysis). In addition to its biological potential, the performance of the nanocomposite in catalytic / photocatalytic removal of NB and MB dyes is investigated and compared. The higher photodegradation performance of the composite for NB (85%) dye than for MB (76%) dye indicates that variables such as chemical structure, charge, molecular mass, and pH sensitivity of the dyes can influence the catalyst's removal potential. This composite is considered to have a higher capability for removing pollutants and microorganisms from wastewater.

ARTICLE HISTORY

Received 20 July 2023
Accepted 15 February 2024

KEYWORDS

CuO-SiO₂/PVA; catalytic; photocatalysis; antioxidant and antileishmanial activity



Energy

Volume 294, 1 May 2024, 130627



Tri-objective optimization of electricity, fresh water, and hydrogen production in a biomass-driven trigeneration plant: Thermoeconomic and environmental evaluation

Tao Hai^{a,b,c}, Rishabh Chaturvedi^d, Riyam K. Marjan^e, Hamad Almujiabah^f, Ta Van Thuong^g, Naglaa F. Soliman^h, Walid El-Shafai^{i,j}



Process Safety and Environmental Protection

Volume 184, April 2024, Pages 1525-1539



Developing and optimizing a new cogeneration cycle to produce hydrogen from seawater

Tao Hai^{a,b,c}, Vishal Goyal^d, Saman Aminian^e, Hamad Almujiabah^f, Ta Van Thuong^g, Naglaa F. Soliman^h, Walid El-Shafai^{i,j}





Educational Programs

Following are a few of the educational programs related to environmental conservation and sustainable management of water.

CEE 447 Groundwater Engineering

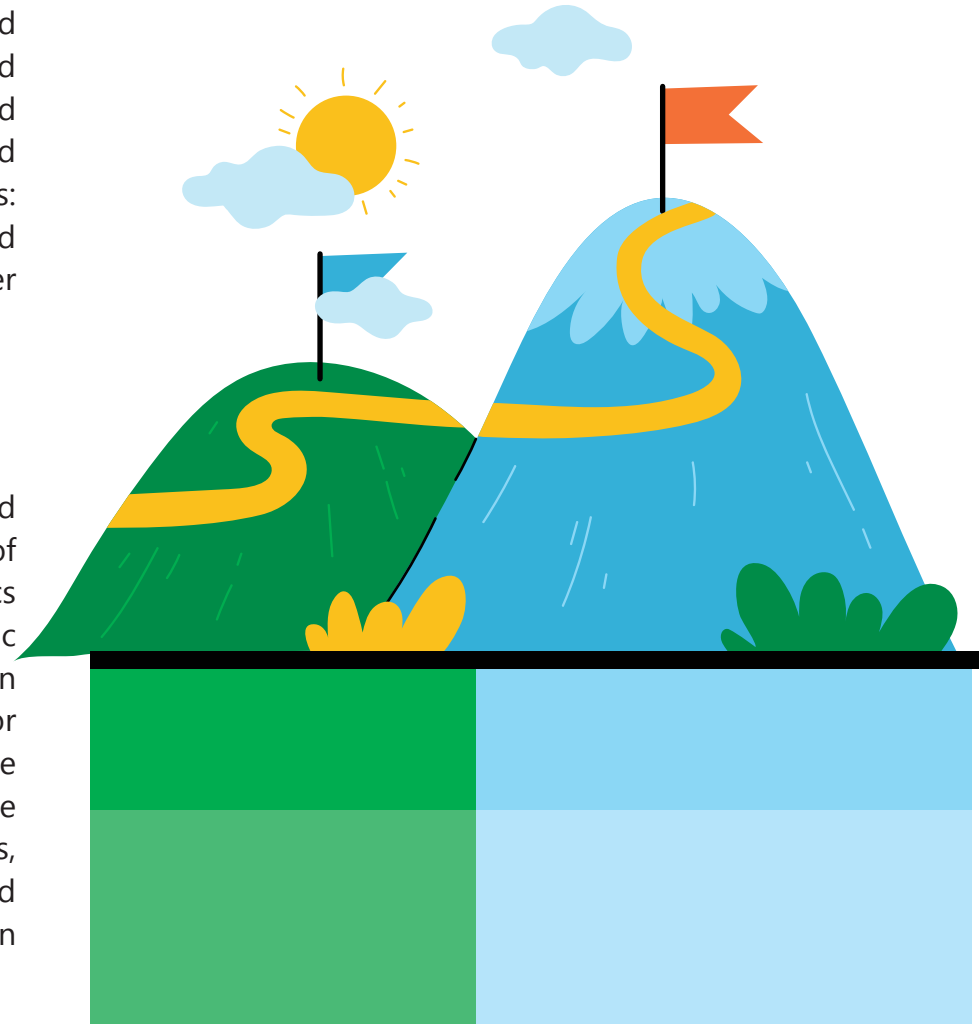
Credits: 3 (3,0,0) Prerequisite: CEE 341

Fundamental science of hydrogeology, the study of the distribution and movement of water through geologic formations, i.e. soil, sediments, and rocks. The mathematical models of fluid flow in porous media and methods for solving these equations (e.g., analytical, numerical, and statistical approaches). Practical groundwater engineering problems: characterizing the subsurface using aquifer tests, transport and remediation of contaminants, and innovations in groundwater management, as time permits.

CEE 442 Environmental Management

Credits: 3 (3,0,0) Prerequisite: Senior Level Standing

This course surveys the scientific principles of environmental issues and environmental management practices, with attention to the health of both humans and the ecosystem. Fundamental and emerging topics related to air and water pollution, water use and management, aquatic ecosystems, energy and climate change, biodiversity, toxic substances in the environment, solid waste management, and regulatory strategies for risk assessment and environmental management are examined. The course will critically examine contemporary thinking on these environmental themes including: sustainable use practices, political-ecology, decentralized environmental management, and community-based approaches, social learning, and regional and urban planning.



Life on land



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SDG 15, Life on Land, emphasizes the importance of protecting, restoring, and promoting sustainable use of terrestrial ecosystems, combating desertification, and halting biodiversity loss.

The majority of the land area of the Kingdom of Saudi Arabia is desert. Thus, sustaining life on land is essential in the Kingdom to preserve existing land use and restore or reverse desertification. The use of land to sustain human life is vital in supporting livelihoods.

At Prince Sultan University, the pursuit of global sustainability is a top priority, reflecting the institution's unwavering dedication to environmental stewardship and preservation. In an effort to safeguard biodiversity, combat deforestation, and promote sustainable land management practices, PSU has introduced an innovative Civil and Environmental Engineering program as part of its College of Engineering.

This program includes a specialized track in environmental engineering, featuring a comprehensive curriculum that covers vital courses such as Biology, Introduction to Environmental Engineering, Energy Resources Management, Environmental Management, Leadership in Energy and Environmental Design (LEED), Solid Waste Management, Air Pollution Management, and Groundwater Engineering. Visit PSU's official website for more details:

CEE 444 Solid Waste Management

CEE 241 Introduction to Environmental Engineering

CEE 446 Air Pollution Management

CEE 441 Energy Resources Management

CEE 447 Groundwater Engineering

CEE 442 Environmental Management

BIO101 Biology

CEE 443 Leadership in Energy and Environmental Design (LEED)





Understanding Sustainable Development Goals: ACT NOW!



The Center for Sustainability and Climate (CSC) hosted a workshop along with their strategic partner United Nation Global Compact (UNGC) Saudi Network titled by "Understanding Sustainable Development Goals and its Relation to Saudi Vision 2030" for the PSU students on Wednesday, December 7, 2022.



Creating an ecosystem around higher education to promote sustainability

PSU is committed to promoting the UN's SDG 2030 agenda as part of its own institutional strategic plan in support of Saudi Arabia's Vision 2030 framework. The Vision 2030 initiative calls on organisations – both private and public – to empower, nurture and inspire young Saudi citizens to fully realise their potential as part of the country's ongoing formative action to combat the climate crisis and its impacts.



PepsiCo and Prince Sultan University activate first student led competition following MoU signing last year

SAUDI ARABIA, 23 March 2023 – Following the memorandum of understanding (MoU) signed in September 2022, PepsiCo, the leading food and beverage company in the region, and Prince Sultan University (PSU) have activated their first phase of student competitions, with winners announced last Monday.



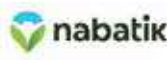
jahez

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جاهز تزرع 500 شجرة بالتعاون مع جامعة الأمير سلطان
لخفض الكربون و تحقيق مستهدفات الاستدامة

JAHEZ PLANTS 500 TREES IN COOPERATION WITH PRINCE SULTAN UNIVERSITY
TO REDUCE CARBON EMISSIONS AND ACHIEVE SUSTAINABILITY GOALS

Tuesday - الثلاثاء (28th February - فبراير)
12:00-15:00



PSU x Jahez Initiative

Together with Prince Sultan University, Jahez plants 500 trees in an effort to cut carbon emissions and meet sustainability goals.

Sustainable Waste Management, Prevention and Disposal Policy

Prince Sultan University is a sustainable green university that preaches and applies sustainable development approaches and practices at all levels. As part of its endeavors to build a safe, green campus, PSU adopts sustainable waste management and disposal practices that are implemented in coordination with municipal and government agencies.



Peace, Justice and Strong Institutions



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University Governance Measures

Prince Sultan University's measure in governance includes an elected representation on the university's governing body and recognition of a students' union. It also includes policies to engage local stakeholders and policies that support academic freedom. The University takes measures to fight corruption and to combat bribery through the principles on organized crime, corruption, and bribery. The university is also transparent in publishing its financial data.

Elected Representation - Student Council



The students' council is a core pillar for PSU. It is an elected council with a wide range of activities and authorities. Additionally, elections for the Student Council are held annually with the main focus on diversity and overall representation. The Student Council is committed to academic excellence and scholarship, community service, integrity, and leadership.

Compliance Committee and Compliance College Representatives - Compliance and Policies Office

Through the Compliance and Policies Office, Compliance Committee is being formed as well as Compliance College Representatives which deals with ensuring that their colleges follow all Rules and Regulations, gather information related to compliance and risks, and measure the progress on existing compliance risks. PSU Compliance and Policies Office ensures the institution functions in a legal and ethical manner while meeting its institutional goals. The office is also responsible for developing compliance programs, reviewing institutional policies, and advising the management on the possible risks.





Members of the compliance committee

Academic Year 2023-24 Members

Dr. Emna Chikhaoui, Chair/Senior Manager

Dr. Walaa Metwalli , CAD Representative

Dr. Azlinor Sufian, CL Representative

Dr. Farida Saleem , CBA Representative

Dr. Yasir Javed, CCIS Representative

Mr. Bryan Morales, Associate Director, EAAC — MC

Mr. Mujahid Latif, Coordinator, Recruitment Office

Mr. Yaser AlHazmi , Legal & IP Specialist (CO)

Mr. Mohammed AlShubrumi , Legal assistant (CO)

Ms. Rawan AlFahaid , Administrative assistant (CO)

Compliance college representatives

Academic Year 2023-24 Representatives

Dr. Emna Chikhaoui, Chair

Dr. Diaalhaq A. Zeglat, Faculty of CBA

Dr. Syed Umar Amin, Faculty of CCIS

Dr. Moustafa Nasralla, Faculty of CE

Dr. Amal Abbas, Faculty of CAD

Ms. Misbah Saboohi, Faculty of CL

Ms. Suhad Subhi, Faculty of CHS

Student Orientation Program | ASK ME Campaign



During the event Welcoming Days; the student council initiated the Ask Me campaign, which is aimed at helping newly inducted students with any questions they may have. The Student Council members spend time in each building in the university while wearing the Ask Me Vests, and they do so for the entire week of orientation. The questions they receive are mainly regarding classes, locations, majors, and offices, all of which are questions the student council is well-prepared to answer.



Prince Sultan University PSU
Policy Management System
Stakeholders involvement policy

Policy Code:	GV0012
Policy Name:	Stakeholders involvement policy
Handler:	Academic Affairs
Date Created:	15 July 2020
Date of Current Review:	15 August 2020
Approved by:	University Council
Date of Approval:	02/09/2020



Stakeholders Involvement Policy

The Colleges and the Departments established an "Advisory Board" (AB), which is a selected group of experts representing industry and society. Thus, A policy is created to provide guidelines for establishing the (AB) to help develop and maintain a strong partnership between PSU and relevant constituencies to improve the quality of the academic programs, and address the different needs of the jobs market.



Participatory Bodies for Stakeholder Engagement CBA Advisory Board/Industrial Board

In an attempt to improve the CBA programs and provide the markets with qualified and skilled graduates, The CBA Council is advised by the CBA Industrial Advisory Board, which consists of business, government, and academic leaders as well as alumni from a cross-section of industries, government bodies, and higher education institutions in KSA. The Advisory Boards (AB) provide support and advice to academic programs, assist in the development of new programs, and identify best practices standards. They help the programs designers to be at the level of the job market expectations.





College of Law Signs MOU with Al-Tamimi & Co

The College of Law signed a memorandum of understanding with Al-Tamimi & Co. on Tuesday, October 10th, 2022. The agreement aimed to achieve the common goal between the two parties in the field of legal education and training to apply theory to practice in reality. It also aimed to fully master the legal profession and legal work, and enable the students afterwards to practice the occupation professionally in the future. The Memorandum was signed by Dr. Abdulaziz Al-Tuwaijri, Dean of College of Law, on behalf of the College of Law, and Mr. Abdulaziz Al-Tamimi, the company's co-owner on behalf of "Al-Tamimi & Co". It is worth noting that Al-Tamimi & Co is a leading full-service firm in the Middle East and North Africa, with regional knowledge and global reach with 17 offices in 10 countries and more than 350 lawyers.



University Principles on Corruption and Bribery Principles and Commitments on Organized Crime, Corruption & Bribery

It is the PSU policy to conduct all our professional duties in an honest and ethical manner. We take a zero tolerance approach to bribery and corruption and we are committed to acting professionally, fairly and with integrity in all teaching and learning and research tasks. The policy intends to identify and to fight the different forms of corruption that have adverse effect on the institution.



Compliance and Policies Office

Prince Sultan University (PSU) is committed to fostering an institution that values compliance with rules, regulations and policies including the anti corruption and bribery policy. The Compliance and Policies Office that has been established recently. Besides, the Compliance policies are within the continuous efforts of PSU to build a strong compliance program, which includes creating and maintaining a healthy environment for students, faculty and staff by ensuring the efficient use of the University's resources and improving performance efficiency.





Teaching Freedom - PSU Teaching Award



Prince Sultan University will bestow one President's Award for Distinguished Teaching per academic year. In addition, each college will have an opportunity to have a member receive a PSU award for outstanding teaching --a maximum of 6 awards can be granted. Each winner will receive a crystal apple and certificate. The overall winner of The President's Award will receive a cash prize of 25,000 SAR.



PSU Organizes a Field Trip Visit to "The Future Energy Show KSA" Exhibition



A group of communications and networks engineering students and their faculty embarked on an educational experience to visit the "Future Energy Exhibition in the Kingdom of Saudi Arabia." The event provided a platform for students to explore the latest developments in energy technologies.

PSU Participates in 'EV Show 2023'

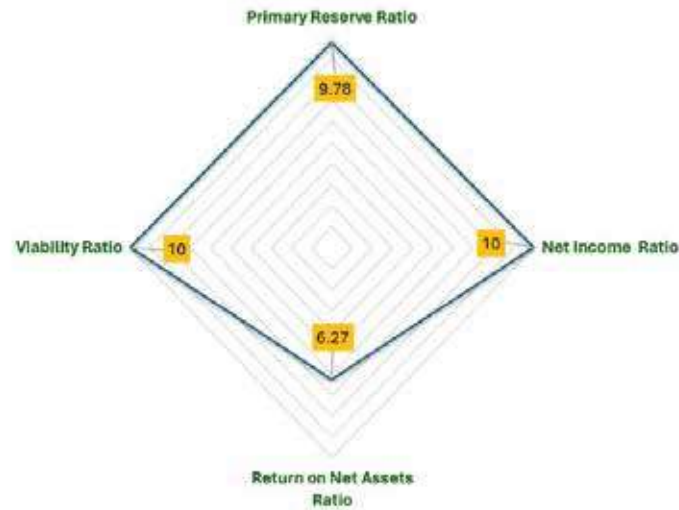
The Electrical Engineering Students of the College of Engineering, Prince Sultan University (PSU), recently ventured into the exciting world of electric vehicles (EVs) by attending the "EV Show 2023" expo organized by Electromin. Accompanied by Dr. Umashankar Subramaniam, Associate Professor; Mr. Sivakumar Selvam, Lecturer; and Dr. Prabhakaran, Postdoctoral Fellow (Renewable Energy Lab), a group of enthusiastic electrical engineering students embarked on a journey that left them both enlightened and inspired.



Financial Data 2023

The financial planning and budgeting process of PSU involves various stakeholders incorporating a clear and specified delegation of authority. All the Deans, program Chairs, center Directors, administrative unit heads and cost center units submit their budget requirements for the forthcoming academic year. In the case of Colleges, the Office of the Vice President for Administrative and Financial Affairs seeks queries regarding the needs of academics from the colleges and departments and these are reflected in the annual budget. On an annual basis, all academic and administrative units submit their budget requirements for the forthcoming academic year to their administrative head.

Composite Financial Index (CFI) scores in 2023 = 8.80



Composite Financial Index (CFI Score) of PSU (2012-2023)





Working with Government

The university works hand in hand with the government to provide expert advice and outreach at the national and local levels. In addition, the university undertakes policy-focused research in collaboration with government departments and provide a neutral platform for political stakeholders to discuss challenges.

Provide Expert Advice to Government - The College of Law Signed a Memorandum of Understanding with National Unified Procurement Company (NUPCO)



The College of Law Signed a Memorandum of Understanding with National Unified Procurement Company (NUPCO) that aims to support joint cooperation in the areas of common interest in line with the scope of the memorandum and general cooperation areas.

A Workshop Entitled "Creating an In-house Counsel" in Cooperation with Aramco



A workshop entitled "Creating an in-house counsel" was held at Prince Sultan University, College of Law, in cooperation with Aramco. The workshop was aimed at students of the Faculty of Law. The course was presented by a selection of lawyers in Aramco.



Policy- and Lawmakers Outreach and Education Governance, National Data Management and Personal Data Protection Forum



PSU organizes a forum through the Compliance and Policy Office and the National Data Management Office (NDMO) that attend by students, faculty and the community practitioners to give an idea about the office and to raise awareness on the main tasks of the NDMO as per its responsibility to establish policies and standards in developing data governance mechanisms.

The King Salman Relief Center organizes a session on “The Important Role of Saudi Youth in Addressing Food Insecurity in the Middle East and North Africa Region”



The King Salman Humanitarian Aid and Relief Center organized a dialogue session entitled “The Important Role of Saudi Youth in Addressing Food Insecurity in the Middle East and North Africa Region,” in cooperation with the World Food Program, at Prince Sultan University in Riyadh. The session aimed to bring together actors in the

humanitarian and relief field, including regional organizations, non-governmental organizations, United Nations agencies, technical experts and academic researchers, in order to benefit from the common experiences of leading international humanitarian actors working on the field in countries witnessing conflicts, in addition to discussing The impact of food insecurity in the Middle East, the World Food Program’s response to this crisis, and the critical role of the next generation of Saudi leaders to confront this challenge.



“Global Deals from the Practitioner’s Perspective” program

A program on Global Deals from the Practitioner’s Perspective was presented by 16 legal and strategic experts from the Public Investment Fund (PIF), Under the supervision of Mr. Henry Mcham.



Participation in Government Research

Prince Sultan University's Research Labs take part in LEAP

Prince Sultan University made its mark at the second edition of LEAP, a leading technology conference held from February 6-9, 2023, at the Riyadh Front Center for Exhibitions and Conventions. The university joined over 400 national and international tech companies to showcase the latest technological advancements and innovative solutions.



Center for Local Governance at Prince Sultan University was honored by the visit of His Excellency the President of the Royal Academy of Administration in the Sultanate of Oman

The Center for Local Governance at Prince Sultan University was honored by the visit of His Excellency the President of the Royal Academy of Administration in the Sultanate of Oman, Dr. Ali Al Lawati, and his entourage, where the aspects of cooperation between the two parties were reviewed and the studies, research projects, training programs and workshops that the two parties could cooperate in were discussed.





Center for Local Governance



The Center for Local Administration at Prince Sultan University was honored by the visit of His Excellency the Undersecretary for Regional Affairs, Engineer Ahmed bin Talal Nafie, and his entourage, where aspects of cooperation between the two parties were reviewed and what the center could provide in terms of studies, research projects, and training programs were discussed.

RIC Director meets with Tahakom's Vice President of Business and Partnerships

The Director of the Research and Initiatives Center, Prof. Anis Koubaa, recently had the opportunity of meeting with Dr. Ahmad Alsolaim, Vice President of Business and Partnerships at Tahakom to discuss collaboration opportunities with Tahakom, i-be hub, and PSU. Dr. Ahmad Alsolaim is a Board Director, Vice President, and CEO with almost two decades of board-level experience across the private sector with experience in information and communications technologies as well as compliance industries.





Neutral Platform to Discuss Issues King Salman Relief Center Organizes a Session on "The Important Role of Saudi Youth in Addressing Food Insecurity in the Middle East and North Africa"

The King Salman Humanitarian Aid and Relief Center (KSRelief) organized today a panel discussion entitled "The Important Role of Saudi Youth in Addressing Food Insecurity in the Middle East and North Africa" in cooperation with the World Food Program (WFP) at Prince Sultan University in Riyadh.



Governance, National Data Management and Personal Data Protection Forum



The National Data Management Office (NDMO) and the Compliance and Legal Office organized a forum on January 18, 2023, to give an idea about the office and to raise awareness about the main tasks of the

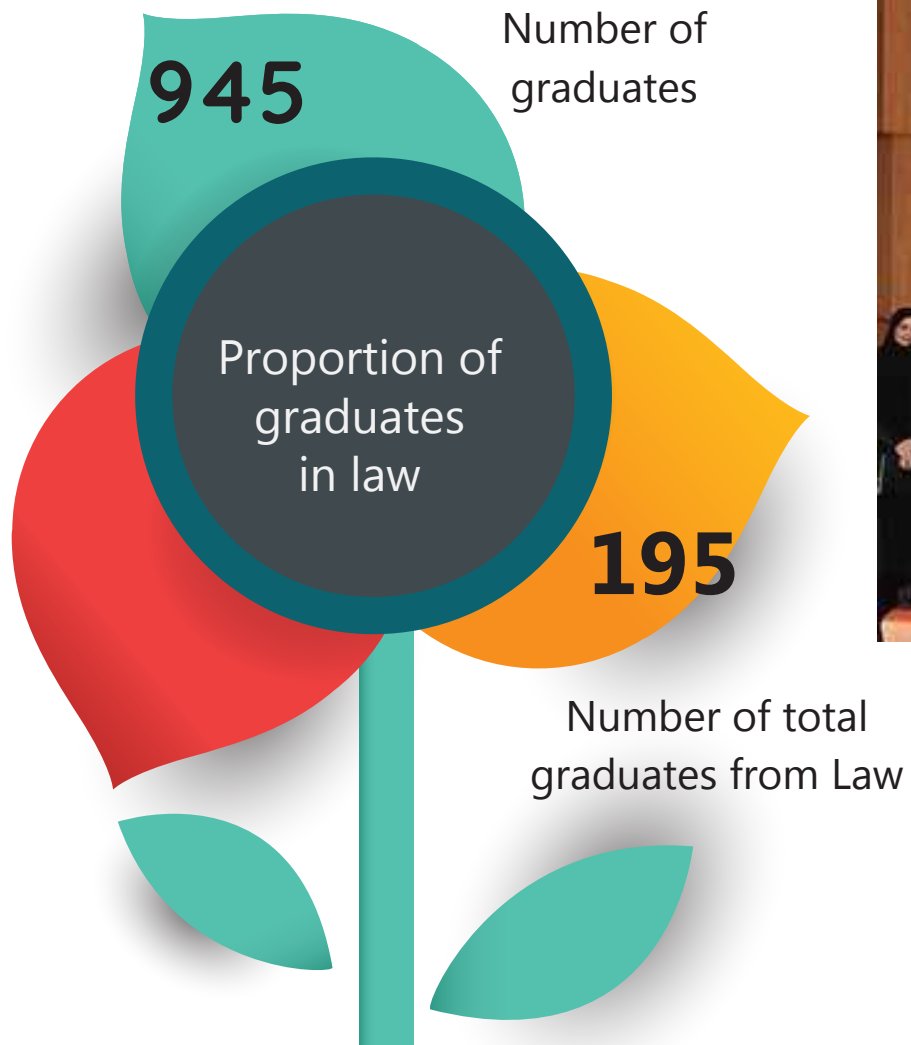
NDMO as per its responsibility to establish policies and standards for developing data governance mechanisms. Data management refers to the process of developing, implementing, and supervising plans, policies, programs, and practices to enable entities to govern data and enhance its value as a unique asset.

"Green Economy and Environmental Protection – Saudi Vision 2030" Forum at PSU

The forum provided a platform for experts and academics to share knowledge and insights on the green economy, environmental protection, and their relevance to Saudi Vision 2030. The discussions covered various aspects, including corporate environmentalism, legal frameworks, academic contributions, and research innovations in energy, water, and the environment. By bringing together diverse perspectives, the forum aimed to contribute to the advancement of sustainable practices in Saudi Arabia and support the country's goals for a greener future.



Graduates in Law and Enforcement Related Courses



Reference: Academic Year 2023-24

Partnerships for the Goals



جامعة الامير سلطان
PRINCE SULTAN
UNIVERSITY

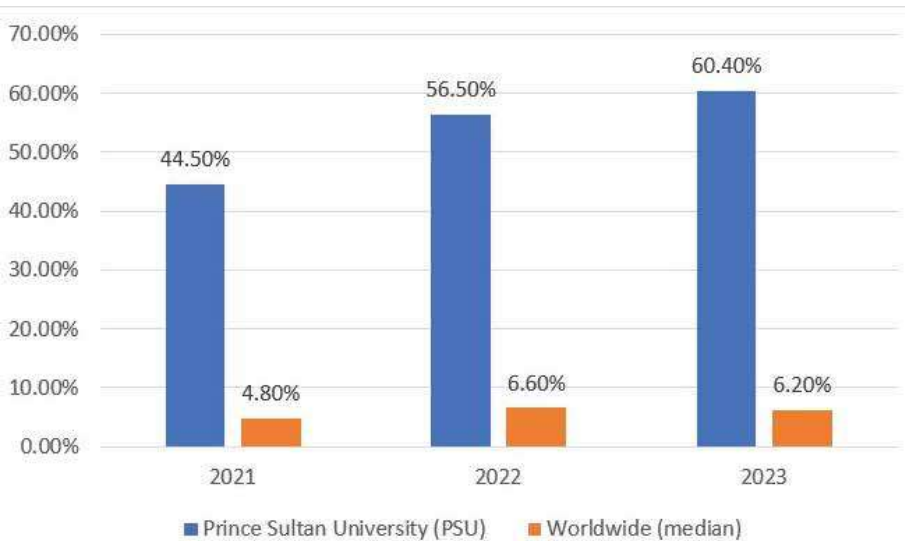




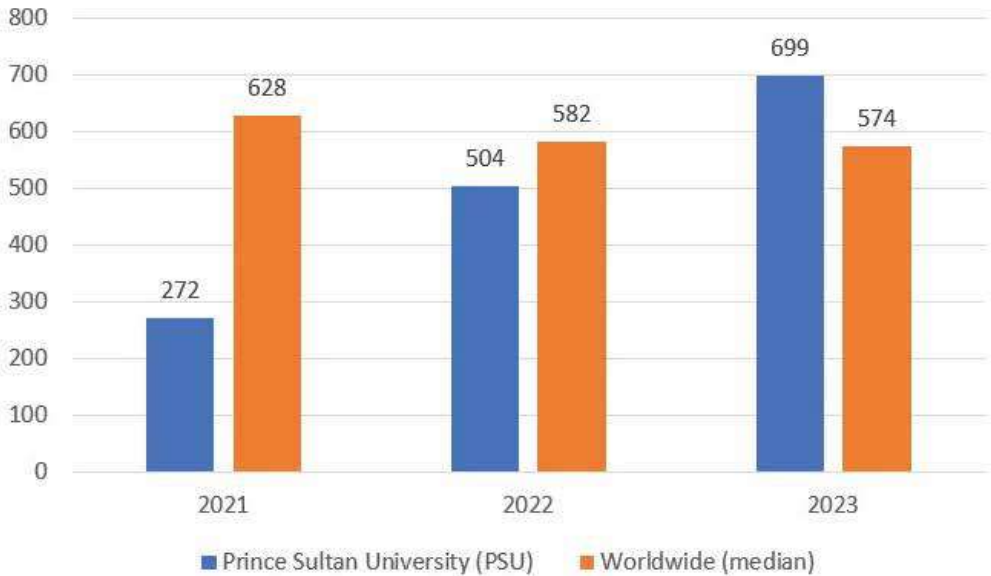
Research Publications of SDG 17

Proportion of output co-authored with low or lower-middle income countries	2021	2022	2023
Prince Sultan University (PSU)	44.50%	56.50%	60.40%
Worldwide (median)	4.80%	6.60%	6.20%
Partnership for the goals: Publications	2021	2022	2023
Prince Sultan University (PSU)	272	504	699
Worldwide (median)	628	582	574

Proportion of output co-authored with low or lower-middle income countries



Research Publications





Relationships to support the goals

Prince Sultan University forms a partnership with Higher Education Sustainability Initiative (HESI), United Nations. Prince Sultan University's Center for Sustainability and Climate (CSC) forms a partnership with Higher Education Sustainability Initiative (HESI), United Nations with the aims of its strong commitment towards achieving Sustainable Development Goals.



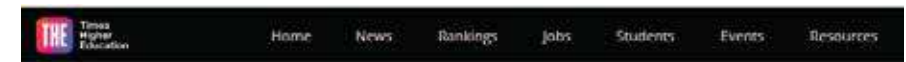
PSU Signed an Agreement with L20 as part of G20 and SNC

On 20 October 2020, Prince Sultan University's (PSU) Global SME Policy Network (GSPN) signed an agreement with the L20 and Saudi National Committee of Workers Committees (SNC). The President of the PSU, Dr Ahmed Yamani welcomed the delegates from the L20.



Creating an ecosystem around higher education to promote sustainability

PSU is committed to promoting the UN's SDG 2030 agenda as part of its own institutional strategic plan in support of Saudi Arabia's Vision 2030 framework. The Vision 2030 initiative calls on organisations – both private and public – to empower, nurture and inspire young Saudi citizens to fully realise their potential as part of the country's ongoing formative action to combat the climate crisis and its impacts.





Understanding Sustainable Development Goals: ACT NOW!

The Center for Sustainability and Climate (CSC) hosted a workshop along with their strategic partner United Nations Global Compact (UNGC) Saudi Network titled by "Understanding Sustainable Development Goals and its Relation to Saudi Vision 2030" for the PSU students on Wednesday, December 7, 2022.



United Nations Global Compact Network Saudi Arabia forms a strategic partnership with Prince Sultan University to advance the UN's 2030 Agenda

The United Nations Global Compact Network - Saudi Arabia, and Saudi Arabia's Prince Sultan University (PSU), signed a memorandum of understanding to form a strategic partnership to advance the UN's 2030 Agenda. The partnership aims to strengthen efforts towards advancing the UN's 2030 Agenda by engaging higher education institutions.





More than 100 Students Joined Prince Sultan University SDG Club to Take Part of Impactful Initiatives

Prince Sultan University SDG (Sustainable Development Goals) Club is the first student SDG Club in Saudi Arabia and is part of the PSU Center for Sustainability and Climate (CSC). In the first week of October 2022, more than hundred students have joined in this club.



New UCL health-focused business school and Saudi business school unite to revolutionise global health

The new UCL Global Business School for Health (GBSH) has recently entered into a Memorandum of Understanding (MOU) with Prince Sultan University in Saudi Arabia, dedicating themselves to working together to improve global health.

07 Oct 2021 | [Network Updates](#) | [Update from University College London](#)

These updates are republished press releases and communications from members of the Science | Business Network
By Communication from UCL



UCL Global Business School for Health (GBSH). Photo: UCL website.

The new UCL Global Business School for Health (GBSH) has recently entered into a Memorandum of Understanding (MOU) with Prince Sultan University in Saudi Arabia, dedicating themselves to working together to improve global health.



Developing nations need greater visibility, acknowledgement and support for their research into the United Nations' Sustainable Development Goals (SDGs), according to the authors of a major analysis of the past 15 years of worldwide research into SDGs. The analysis – the most comprehensive of its kind to date – has formed the basis of a new White Paper, which calls for equity for developing nations within the world's research ecosystem, particularly as those nations are often hardest hit by the issues the UN's Global Goals are aimed at addressing.





مركز الملك سلمان
للمساعدات الإنسانية
KING SALMAN
HUMANITARIAN AID & RELIEF CENTRE



World Food
Programme



Engagement with academia by the United
Nations World Food Programme to discuss

THE CRITICAL ROLE OF SAUDI YOUTH IN ADDRESSING FOOD INSECURITY in the Middle East and North Africa

We are pleased to invite you to attend an event titled "The critical role of Saudi Youth in Addressing Food Insecurity in the Middle East and North Africa" to be held on March 13th 2023, under the sponsorship of King Salman Humanitarian Aid & Relief Centre (KSrelief), and World Food Programme (WFP), which will take place on Prince Sultan University (PSU) campus. The event aims to bring together prominent actors in the humanitarian field, including regional organizations, NGOs, UN agencies, technical experts, researchers, and academicians.

Date
March 13th, 2023
Time
12:45 PM - 13:45 PM
Venue
**Building 104,
Prince Sultan University,
Riyadh, Saudi Arabia**

Panelists



Mr. Corinne Fleischer
WFP Regional Director for the Middle
East, North Africa, and Eastern Europe



Mr. Alberto Mendes
WFP Country Director, Jordan



Mr. Samer Abdeljaber
WFP Country Director, Palestine

Moderator



**Professor Dr. Mohammed
Nurusunnabi**
Aide to the President on Ranking and
Internationalization, Director, Centre
for Sustainability and Climate, Chair of
the Department of Accounting at Prince
Sultan University, Saudi Arabia

www.psu.edu.sa

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Participants will draw upon the combined experiences of leading international humanitarian actors working on the ground in countries where conflicts, in addition, speakers will discuss the impact of food insecurity in the region, WFP's response, and the critical role of the next generation of Saudi leaders to address the challenge.

Engagement with academia by the United Nations World Food Programme to discuss "The critical role of Saudi Youth in Addressing Food Insecurity in the Middle East and North Africa"

We are pleased to invite you to attend an event titled "The critical role of Saudi Youth in Addressing Food Insecurity in the Middle East and North Africa" to be held on March 13th 2023, under the sponsorship of King Salman Humanitarian Aid & Relief Centre (KSrelief), and World Food Programme (WFP), which will take place on Prince Sultan University (PSU) campus. The event aims to bring together prominent actors in the humanitarian field, including regional organizations, NGOs, UN agencies, technical experts, researchers, and academicians.

PSU Annual Sustainable Development Goals (SDG) Report 2023

PSU annually publish SDG progress report. In addition, we publish report per SDGs to track the progress.





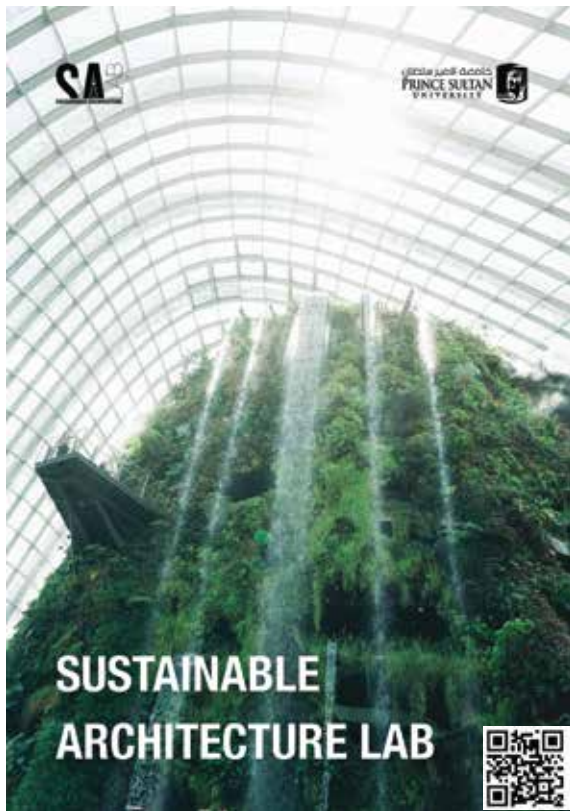
Prince Sultan University Toastmasters Reflect and Speak about the Sustainable Development Goals 2030



Speak about the Sustainable Development Goals 2030

Over 40 students participated in the Prince Sultan University Toastmasters Club meeting about the Sustainable Development Goals (SDG) on November 7, 2021. First, Dr. Tahira Hoke (Club Founder) announced the word of the day as 'Sustainability,' reviewed the definition, and shared PSU's SDG 2030 website <https://www.psu.edu.sa/en/PSU-commitment-to-SDG2030>.

Sustainable Architecture Lab



Education for the SDG's

PSU annually publish SDG progress report. In addition, we publish report per SDGs to track the progress.



VISION

The Sustainable Architecture Lab (SA Lab) improves the level of liveability experience in the built environment

MISSION

- The SA Lab is committed to interdisciplinary, design-led research that enhances the current practice
- The research of the SA Lab is focused on the challenges that are shaping the planet.



College of Law has concluded the last lecture of a boot camp entitled, "Financial Crimes Compliance Boot Camp" with the cooperation of K2Integrity

PSU to house innovation center powered by VMware
Prince Sultan University and US digital solutions company VMware have signed a memorandum of understanding to launch an innovation center equipped with VMware software and resources to give students, researchers, and businesses hands-on experience with transformative digital solutions for app modernization, cloud, networking, security, and digital workspace.

Home

PSU to house innovation center powered by VMware



From left, Saif Mashat, country director, Saudi Arabia, VMware, and Dr. Ahmed Yamani, president PSU.

Short Url <https://arab.news/2qa3s>





PSU's Prosthetics and Orthotics Center aims to bring mobility to Saudi Arabia's amputees



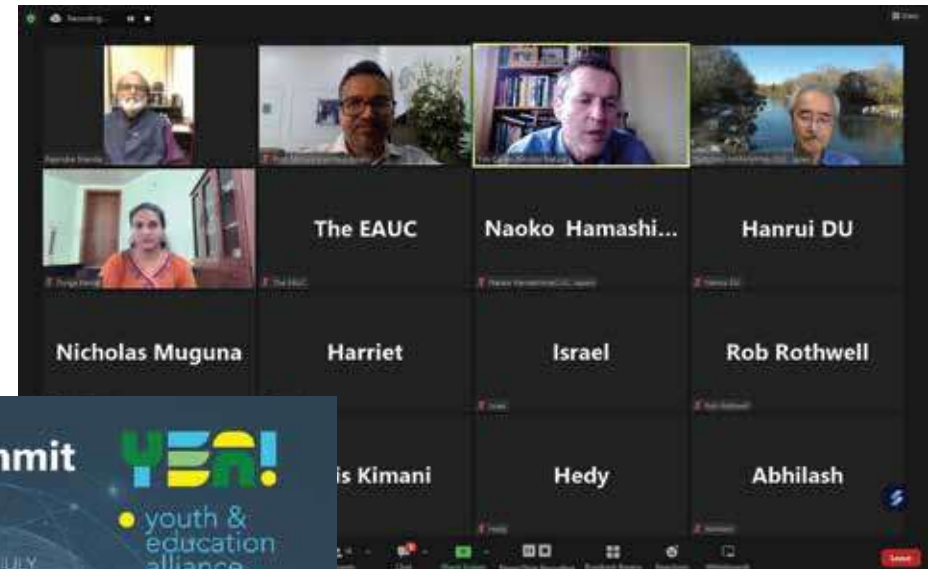
Prince Sultan University partners with Coursera to deliver job-relevant, in-demand skills on campus





Displaced people and refugees are the important agenda for inclusive SDGs - Discussing UNEP YEA! Global Summit 2022

Prince Sultan University is the First Saudi University to Pledge Net Zero Carbon University by 2060. Race to Zero for Universities and Colleges campaign is run in partnership with EAUC, Second Nature and UN Environment. EAUC are the secretariat. Being part to this campaign Prince Sultan University has been added to the UNFCCC Race to Zero campaign.



BOOK A FREE PLACE: WWW.YEAGLOBALSUMMIT.ORG PARTNERS:



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SDG Higher Committee Chair



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Aide To The President on Ranking
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Aide to the President, Director of
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SDG Higher Committee Member



Dr. Sanjida Haque
CYBEX
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Mr. Victor Mendoza
Director of the Evaluation and
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Member



Mr. Lester Bello
Software Engineer, DDET,
SDG Higher Committee Member



SDG 7 and 13 committee



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Chair of SDG 7 & 13 Committee
Director of Renewable Energy Laboratory
Director of Science and Technology Unit



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College of Engineering
Co-Chair, SDG 7 & 13 Committee



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Renewable Energy Lab
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Member, SDG-8 Committee Chair



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SDG-8 Committee Member



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SDG Higher committee and SDG-17 Committee Member,



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Dr. Azlinor sufian

SDG 16 committee member





SDG 17 Committee



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Aide To The President on Ranking & Internationalization, Director of CSC, Chair of Accounting Department
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Ms. Ghazala Imran
SDG 17 Committee member 17





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SDG Higher Committee Co-Chair, SDG report publications committee



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Center for Sustainability and Climate (CSC),
SDG-17 & report publications Committee Member



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College of Engineering
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Faculty Member in College of Business Administration
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SDG report publications committee





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SDG report publications
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Dr. Emna Chikhaoui

Senior Compliance & Legal Manager,
Acting Director of Policies and Development
Unit, SDG Higher Committee and report
publications member,
SDG-16 Committee Chair



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Director of Jubilation Office, SDG Higher
Committee and report publications
Member, SDG-8 Committee Chair



Mr. Lester Laja Bello

Programmer,
Public Relations and Media Center
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SDG Higher Committee Member



Ms. Arwa Alnassafi

SDG 17 and report publications
committee member



Ms. Ghazala Imran

SDG 17 and report publications
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Mr. Mourad Benayed
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Associate Director, Center for Sustainability and Climate (CSC)
SDG Higher Committee Member



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Millat-e-Mustafa

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FCSD, CDir, FIoD
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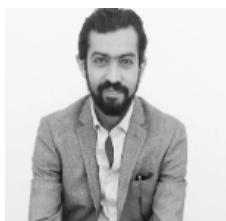
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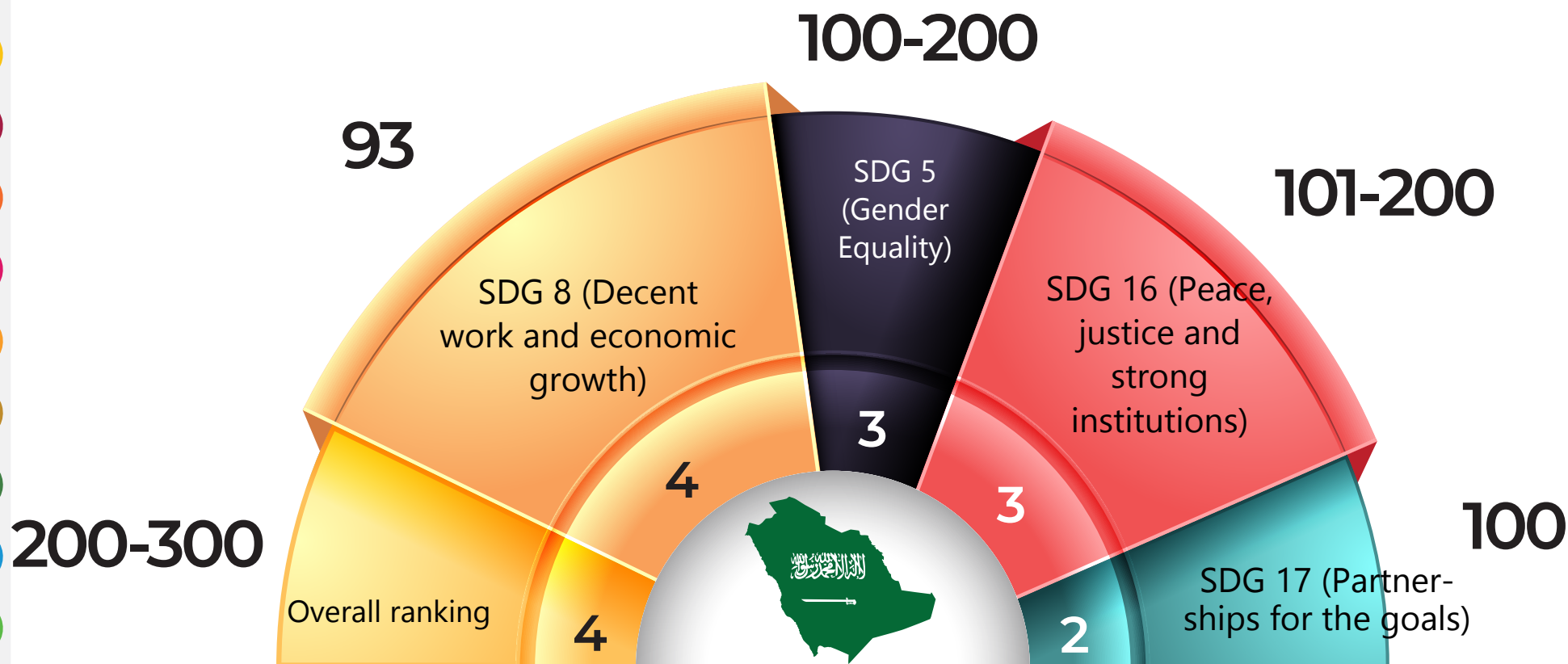


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Impact Rankings



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SUSTAINABLE DEVELOPMENT GOALS

رؤية
2030
الهيئة العامة للغذاء والدواء
KINGDOM OF SAUDI ARABIA

جامعة الامير سلطان
PRINCE SULTAN
UNIVERSITY





PSU SDG Club

Who we are

Prince Sultan University SDG Club as part of the Center for Sustainability and Climate (CSC) aims to engage students in higher education to achieve Saudi Arabia's Vision 2030 and in the global effort to contribute to the UN Sustainable Development Goals 2030 (SDG) agenda towards sustainability and climate justice, as well as empower them with the knowledge, skills, and pathways to action to be effective agents of change today.

The PSU SDG Club coordinates educational events, social events, spread awareness, and advocate for sustainable initiatives at the university and among the student population in Saudi Arabia and the region. We, the member, educate ourselves and others about important environmental and sustainability issues as well as develop a collective language and vision among the students' community. The PSU SDG Club also facilitates collaboration and helps get project ideas off the ground.

Our Sustainability Initiatives and Campaigns

- GO GREEN Initiative
- Zero Waste Campaign
- Earth Day
- UN SDG and Climate Week
- Youth Sustainability Leaderships Certification
- Volunteering at Center for Sustainability and Climate (CSC)

Vision

To Act, Build and Collaborate work towards the global Sustainable Development Goals and impact the community

Mission

To educate students about environmental and climate issues, and bring students together to discuss pressing Sustainable Development Goals (SDG) issues and host events, volunteer and assist in SDG initiatives, and connect with the local and global community. The individual work will make a collective impact on the challenges posed by integral sustainability.

Theory of Change and Impact





PSU's commitment to SDG 2030

Mission

PSU is committed to United Nations Sustainable Development Goals (SDGs) through effective institutional resource management, innovative teaching and learning, research, national and international partnerships, continuous studies, and outreach. PSU shall undertake the following activities: form higher and steering committees, evaluate each SDG, formulate and develop related SDG policies, conduct awareness campaigns to the PSU community, establish a sustainability office, identify the SDGs related to each college, program, and course, and lab centers at PSU, and implement sustainability-related initiatives.

Vision

Prince Sultan University strives to support Saudi Arabia's Vision 2030 and the United Nations Sustainable Development Goals (SDGs) by paving the way for higher education in KSA and Middle East.

Mission

Supporting the Saudi Arabia's Vision 2030 and the PSU's strategic directions, PSU aligns its mission with SDGs by providing quality education, sustainability initiatives, lifelong learning, scientific research, and community service