

Sustainable Development Report **2021-2022**



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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

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.

PSU's Commitment to SDG 2030

PSU 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 is also committed to net zero carbon university by 2060.



Foreword from President

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.

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.

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.

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.

Thank you.

Dr. Ahmed Bin Saleh Al-Yamani

President



Message from the Director



Prof. 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)

St Antony's College, University of Oxford, United Kingdom

Center for Sustainability and Climate



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.

"Prince Sultan University is the First Saudi University to Pledge Net Zero Carbon University by 2060"

"Prince Sultan University is the Second Saudi University in SDG 17 - Partnerships for the goals"

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."**

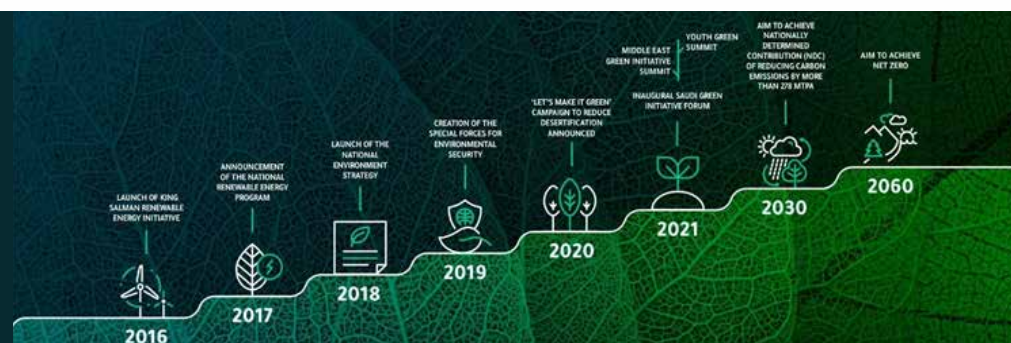
The Center for Sustainability and Climate (CSC) at PSU is strongly committed to contribute to the initiatives of Saudi Green Initiative, Saudi Vision 2030 and of course the United Nations Sustainable Development Goals (SDGs).

We will work together to make a better world.



Timeline of Saudi Green Initiative - A Sustainable Future for Saudi Arabia

Source: www.saudigreeninitiative.org



Strategic Collaborators



United Nations
Global Compact



Higher
Education
Sustainability
Initiative

HESI+10
Celebrating 10 years
with Higher Education
Sustainability Impact

Official Race to Zero Signatory

We are part of the Race to Zero and are leading the education sector for a healthy and resilient zero carbon recovery in the lead up to COP26!



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 Arabia

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

Faculty Sustainability Ambassadors



Dr. Syed Umar Amin

Computer Science, College of
Computer and Information
Sciences (CCIS)



Ms. Hana A. Alahmari

Information Systems, College
of Computer and Information
Sciences (CCIS)

Faculty Sustainability Ambassadors



Dr. Mohammed Bakjaji
Law, College of Law (CL)



Dr. Enis Omerović
Law, College of Law (CL)



Prof. Jawahitha Sarabdeen
Acting Associate Chair &
Director, MCL Program,
College of Law, PSU, Riyadh



Dr. Rehana Parveen
Law, College of Law (CL)



Prof. Izani Ibrahim
Finance, College of Business
Administration (CBA)



Dr. Zainab Rawshdeh
Management, College of
Business Administration
(CBA)



Prof. Francisco Bastida
Accounting, College of
Business Administration
(CBA)



Prof. Zahirul Hoque
Law, College of Law (CL)



Dr. Samar El Sayad
Accounting, College of
Business Administration
(CBA)



Dr. Amira Khattak
Marketing, College of
Business Administration
(CBA)

Faculty Sustainability Ambassadors



Dr. Alia Mitchell

Linguistics and Translation,
College of Humanities and
Sciences



Prof. Hadeer Abouelnagah

Linguistics and Translation,
College of Humanities and
Sciences



Prof. Mohamad Boudaina

Mathematics and Sciences,
College of Humanities and
Sciences (CHS)



Dr. Raghed Tawrneh

General Studies, College of
Humanities and Sciences
(CHS)



Ms. Fawzia Goni

PYP, College of Humanities
and Sciences (CHS)



Dr. Israa Fardous

Assistant Professor of Interior
Design Department, College
of Architecture and Design
(CAD)



**Dr. Mohammed Ezzat
Al-Atroush**

Assistant Professor of
Civil and Environmental
Engineering, College of
Engineering



Dr. Mahajan Sagar Bhaskar

Assistant Professor of
Electrical Engineering
Department, College of
Engineering



**Dr. Wafa Abdelmajeed
Labib**

Assistant Professor of
Architecture Department,
College of Architecture &
Design

Student Sustainability Ambassadors



Yumna Alnadeem
Law, College of Law (CL)



Meshari Samir Alalkami
Information Systems, College
of Computer and Information
Sciences (CCIS)



Reema Saleh I Alhudhaif
MBA, College of Business
Administration (CBA)



Abdullah Dabaan
Software Engineering,
College of Computer and
Information Sciences (CCIS)



**Aljoaharah Dhafir Saad
Alshahrani**
Accounting, College of
Business Administration
(CBA)



Renad Mohammed Algarni
Architecture, College of
Architecture and Design
(CAD)



Laith Alamro
Management, College of
Business Administration
(CBA)



Dimah Waleed Alharkan
Architecture, College of
Architecture and Design
(CAD)



Rahf Aloubal
Software Engineering,
College of Computer and
Information Sciences (CCIS)



Shahah Alnafia
Applied Linguistics, College
of Humanities and Sciences
(CHS)

Student Sustainability Ambassadors



Rawan Alnafeesah

Applied Linguistics, College
of Humanities and Sciences
(CHS)



Amal AlSaud

Applied Linguistics, College
of Humanities and Sciences
(CHS)



Mashael Almualam

Translation, College of
Humanities and Sciences
(CHS)



Abdullah Al Shawaf

Civil and Environmental
Engineering, College of
Engineering (CE)



Danah Dkiel

Finance, College of Business
Administration (CBA)



**Saud Abdulrahman
Almogbel**

Finance, College of Business
Administration (CBA)



Aljwhrah Albegami

Marketing, College of
Business Administration
(CBA)



AlDanah Alhokair

Accounting, College of
Business Administration
(CBA)



Muzen Al-Assaf

Law, College of Law (CL)

SDG Higher Committee 2022-2023



Dr. Ahmed S. Yamani

President

SDG Higher Committee Chair



Dr. Saad Al-Rwaita

**Vice President, Administrative and
Financial Affairs**

SDG Higher Committee Member



Dr. Mohammad Aljibreen

Vice President, Academic Affairs
SDG Higher Committee Member



Dr. Heba Khoshaim

Vice President, Female Campus
SDG Higher Committee Member,
SDG-5 Committee Chair



Prof. Mohammad Nurunnabi

**Aide To The President on Ranking &
Internationalization, Director of CSC,
Chair of Accounting Department**
SDG Higher Committee Co-Chair,
SDG-17 Committee Chair



Dr. Jolly Sahni

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

SDG Higher Committee 2022-2023



Dr. Emna Chikhaoui

Senior Compliance & Legal Manager,
Acting Director of Policies and
Development Unit

SDG Higher Committee Member,
SDG-16 Committee Chair



Dr. Tahira Hoke

Aide to the President, Director of the
Evaluation and Academic
Accreditation Center (CW)

SDG Higher Committee Member



Dr. Sanjida Haque

Associate Director, Center for
Sustainability and Climate (CSC)

SDG Higher Committee Member



Mr. Victor Mendoza

Director of the Evaluation and
Academic Accreditation Center (MC)

SDG Higher Committee Member



Mr. Lester Bello

Programmer, Public Relations and
Media Center

SDG Higher Committee Member

SDG 5 Committee



Dr. Heba Khoshaim

Vice President, Female Campus
SDG Higher Committee Member, SDG 5
Committee Chair



Dr. Amira AlKhawaja

Assistant to the Vice President, WC
SDG 5 Committee Co-chair



Dr. Tanzila Saba

Associate Chair of Information Systems
Department, Lab Leader of Artificial
Intelligence & Data Analytics (AIDA)
SDG 5 Committee Member



Dr. Dina El-Dakhs

Chair of Department of Linguistics
and Translation, Lab Leader of Applied
Linguistics Research Lab (ALLAB)
SDG 5 Committee Member



Ms. Saima Rashid

Director of Center for Statistics and
Information (CSI)
SDG 5 Committee Member



Ms. Arooj Yaswi

Lecturer in College of Humanities
& Sciences
SDG 5 Committee Member



Ms. Hanan Alsubai

SDG 5 Committee Member

SDG 8 Committee



Dr. Jolly Sahni

Associate Director of MBA Program,
Director of Jubilation Office
SDG Higher Committee Member, SDG-8
Committee Chair



Dr. Yazeed Alfakhri

Dean of Student Affairs
SDG-8 Committee Co-chair



Dr. Roaa Atiyeh

Assistant Professor, Department of Interior Design Engineering
SDG-8 Committee Member



Ms. Hafsah Alekrish

SDG-8 Committee Member



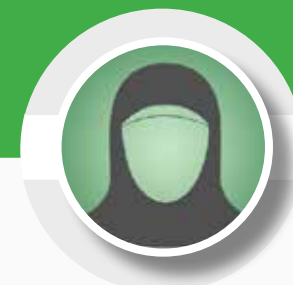
Mr. Maruf Rahman

SDG-8 Committee Member



Ms. Roohi Jan

SDG-8 Committee Member



Ms. Hana Sultan

SDG-8 Committee Member

SDG 16 Committee



Dr. Emna Chikhaoui

Senior Compliance & Legal Manager,
Acting Director of Policies and
Development Unit

SDG Higher Committee Member,
SDG-16 Committee Chair



Dr. Shafiqul Hassan

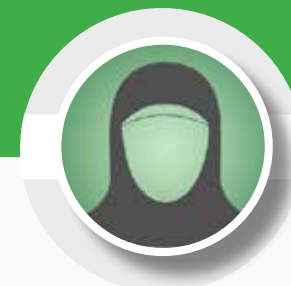
Assistant Professor in College of Law
SDG-16 Committee Co-chair



Dr. Rakan Alyamani

Assistant Professor in College of
Engineering

SDG-16 Committee Member



Dr. Farida Saleem

Faculty Member in College of Business
Administration

SDG-16 Committee Member



Dr. Samaher Fallatah

Vice-Dean of College of Architecture
and Design (CAD) and Chair of
Interior Design Department

SDG-16 Committee Member



Mr. Bryan Morales

Associate Director of the Evaluation
and Academic Accreditation
Center(EAAC)

SDG-16 Committee Member



Mr. Feras Mahfoos

Admin, Deanship of Student Affairs

SDG-16 Committee Member

SDG 17 Committee



Prof. Mohammad Nurunnabi

Aide To The President Of Research,
Ranking & Internationalization,
Chair Accounting Department
SDG Higher Committee Co-Chair,
SDG-17 Committee Chair



Dr. Nof Al-Sufyani

General Supervisor for Public Relations
and Media Center
SDG-17 Committee Co-chair



Dr. Hazem Abu-Farsakh

Head of Department of Mathematics
and Sciences in College of
Humanities & Sciences
SDG-17 Committee Member



Dr. Elham Dannoun

Associate Chair of Department of Mathematics &
Sciences in College of Humanities & Sciences
SDG-17 Committee Member



Dr. Umashankar Subramaniam

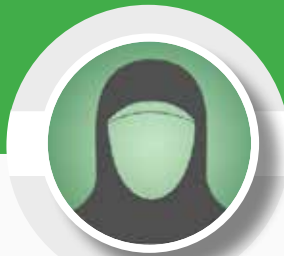
Associate Professor of Communications and
Networks Engineering Department in
College of Engineering
SDG-17 Committee Member

SDG 17 Committee



Dr. Tahira Hoke

Aide to the President, Director of the Evaluation
and Academic Accreditation Center (CW)
SDG-17 Committee Member



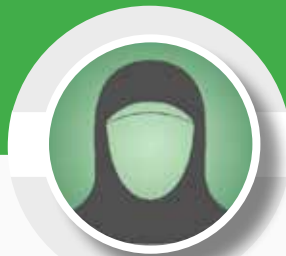
Ms. Muneera Aldhubaiban

Community Service Director, Community Services
& Continuing Education Center
SDG-17 Committee Member



Dr. Sanjida Haque

Associate Director, Center for Sustain-
ability and Climate (CSC)
SDG-17 Committee Member



Prof. Hadeer Abouelnagah

Director, Translating and Authoring Center
SDG-17 Committee Member



Dr. Samar Elsayad

Assistant Professor, College of Business
Administration
SDG-17 Committee Member

Sustainability Fellows



Prof. 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(CHS)



Dr. Sanjida Haque
 Associate Director, Center for Sustainability and Climate (CSC)



Dr. Tahira Hoke
 Aide to the President, Director of the Evaluation and Academic Accreditation Center (CW)



Dr. Syed Umar Amin
 Assistant Professor, Computer Science College of Computer and Information Sciences (CCIS)



Ms. Hana A. Alahmari
 Lecturer, Information Systems College of Computer and Information Sciences (CCIS)



Dr. Mohammed Bakjaji
 Faculty member, College of Law (CL)



Dr. Enis Omerović
 Assistant Professor in International Law College of Law (CL)



Prof. Jawahitha Sarabdeen
 PhD (MMU), MCL(IUUM), MSHRM(UOW), LL.B. (Hons)(IUUM), CLPP(TMU) Fellow (FCG) Chartered Governance Institute Canada (CGIC) Barrister & Solicitor, Ontario, Canada. Acting Associate Chair & Director, MCL Program, College of Law, PSU, Riyadh

Sustainability Fellows



Dr. Rehana Parveen

Assistant Professor, College of Law
(CL)



Prof. Izani Ibrahim

Professor of Finance,
College of Business
Administration (CBA)



Dr. Zainab Rawshdeh

Assistant Professor,
College of Business
Administration (CBA)



Prof. Francisco Bastida

Leader of the Environment, Social,
Governance and Accountability Lab
(ESGAL) at the Prince Sultan
University. Accounting, College of
Business Administration (CBA)



Prof. Zahirul Hoque

Professor, College of Business
Administration (CBA)



Dr. Samar El Sayad

Assistant Professor of Accounting
College of Business Administration
(CBA)



Dr. Amira Khattak

Associate Chair - Marketing Program
College of Business Administration
(CBA)



Dr. Alia Mitchell

PFHEA EdD (University of Cincinnati),
Vice Dean, College of Humanities and
Sciences (CHS) Director, Teaching and
Learning Center (TLC) Linguistics and
Translation Department in CHS

Sustainability Fellows



Prof. Hadeer Abouelnagah

Professor of English Literature and Translation
College of Humanities and Sciences (CHS)



Prof. Mohamad Boudaina

Energy, Water, and Environment
Lab - Leader, College of Humanities and Sciences (CHS)



Dr. Raghed Tawrneh

General Studies - Assistant professor, College of Humanities and Sciences (CHS)



Ms. Fawzia Goni

PYP, College of Humanities and Sciences (CHS) of Business Administration (CBA)



Dr. Israa Fardous

PhD (Aberdeen), RGU
Assistant Professor of Architecture and Design Department of Interior Design
College of Architecture and Design (CAD)



Dr. Mohammed Ezzat Al-Atroush

Assistant Professor of Civil and Environmental Engineering, Member of the soil improv. Tech. Committee, ASCE-GI, Member of Structures and Material (S&M) Research Lab, Faculty Advisor of the PSU-ASCE Student Chapter
Engineering Management Department
College of Engineering (CE)



Dr. Mahajan Sagar Bhaskar

PhD (UJ), SMIEEE, Assistant Professor, Renewable Energy Lab, Department of Electrical Engineering, College of Engineering, Prince Sultan University (PSU)



Dr. Wafa Abdelmajeed Labib

Ph.D., F.HEA, M.ASCE, Architecture
College of Architecture and Design (CAD)



Dr. Hana Omar

Director of Community Support and Acting Director of International Relations and Partnerships at King Salman Humanitarian Aid and Relief Centre, Saudi Arabia



Dr. Sana Malik

Associate Professor, University of Management and Technology (UMT), Pakistan

Impact Rankings



Overall Ranking

4th

in Kingdom of
Saudi Arabia

201-300

Worldwide

5 Gender
Equality



3rd

in Kingdom of
Saudi Arabia

101-200

Worldwide

8 Decent Works
Economic Growth



4th

in Kingdom of
Saudi Arabia

93

Worldwide

16 Peace and
Justice Strong
Institutions



3rd

in Kingdom of
Saudi Arabia

101-200

Worldwide

17 Partnerships
to achieve
the Goal



2nd

in Kingdom of
Saudi Arabia

100

Worldwide



Sustainable Development Report 2021-2022

No Poverty

No Poverty

Proportion of students receiving financial aid to attend university because of poverty

Students receiving financial aid



1485

Number of students got scholarship



1434

Number of students got partial
Scholarship (Low-Income)

Community anti-poverty programmes

Local start-up assistance

Provide assistance in the local community supporting the start-up of financially and socially-sustainable businesses through relevant education or resources (e.g. mentorship programmes, training workshops, access to university facilities).

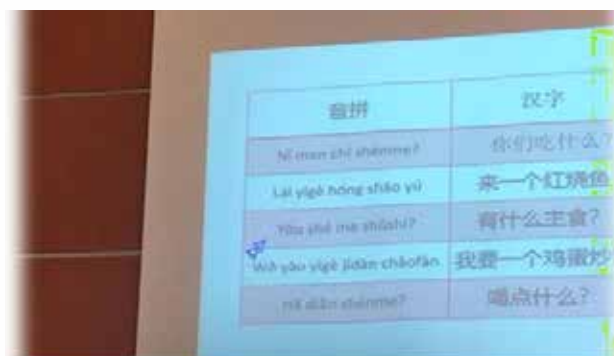
Academic Service Learning Programs

1. Elite Program in Collaboration with Monsha'at



2. Chinese Language Course & English Language Course

CSCEC welcomed ministry of education members during summer 2019 to be trained by PSU staff member, PSU faculty members from College of Humanities, and external qualified instructors as well to meet the need of the registered trainers in the summer courses with a lack of faculty members existence during summer. The total number of trainers at PSU was 80. The main goal for this training course is to teach the ministry of higher education employees on the basics of Chinese Language according to the governmental decree decision to teach Chinese in government schools in future.



3. Ministry of Interior



The Community Service and Continuing Education Centre had a Cooperation with the Ministry of Interior to provide several training programs of English to their employees in different levels and classes based on a placement test. The program was held twice by PSU faculty members from College of Humanities, English Department.

4. Masar

Masar is the first Pre-College Program in the Kingdom of Saudi Arabia designed for high school students to experience college life, prepare for academic success, and explore options. It is based on workshops for various majors to help students decide which majors they should specialize in. It was initially proposed by Ms. Nafla AlKahtani's students as a class project. It was then implemented successfully in collaboration with the Community Service and Continuing Education Center. It was implemented in the spring semester of 2018. Masar usually runs for 2 weeks, and by the end of the program, students will be enlightened and knowledgeable about their next step. The program was held twice by PSU faculty members from College of Humanities, English Department.



The first
pre-college program
in KSA designed for
high school students

- Experience college
- Prepare for academic success
- Explore options
- Workshops for various majors to help you make the right decision

TAKE AN ASSESSMENT

Pinpoint personality traits and career interests using our automated psychometric assessment

011-434 8827
@Masar_PSU
Masar@psu.edu.sa

SEATS ARE LIMITED

Register
<https://goo.gl/5K646V>
Use the link to reserve your seat

Date
18th - 29nd March

Time
4:00 - 7:00 PM

Location
Prince Sultan University

Fees
SR 500

تجهيز
PRINCE SULTAN
UNIVERSITY

5. SABIC

In a collaboration with SABIC, CSCEC customized a program included the most knowledge that a high school graduate needs before studying abroad. The program required a high school graduate with a full time staying at a hotel, being away from his/her family, being dedicated to a full-time schedule since morning to evening at PSU campus. The program allowed them to gain educational, cultural, and life coaching knowledge to be able to accommodate studying abroad alone.



6. Riyadh Bank International Program

The Community Service Office & the Business Administration college in collaboration with Riyadh Bank have established the Riyadh Bank Training Program to ensure the best quality is delivered. The program offers training from PSU Business Administration faculty along with Euromoney Solutions Company to Riyadh Bank newly employees as stated in CSCEC mission and vision to provide the knowledge to our community reaching several categories of the audience to meet the need of our society.



Local start-up financial assistance

Provide financial assistance to the local community supporting the start-up of financially and socially sustainable businesses.

جامعة الامير سلطان
PRINCE SULTAN
UNIVERSITY

مركز خدمة المجتمع والتعليم المستمر
Community Services & Continuing Education Center

سلطان في رمضان

SULTAN IN RAMADAN

مبارك عليكم الشهر
RAMADAN KAREEM

"No one has ever become poor by giving."

We are glad to deliver your in-kind donations from the list below for the donations from 20-30 March

Money Donations are NOT acceptable.

Kindly drop the food supplies to Community Service and Continuing Education Center
Female campus: Office number 206, building 102
Male campus: The second floor, building 103 (A)
The donation is open to all PSU students, faculty members and their families.
For more information: 011-4948830 maddh@psu.edu.sa



جامعة الامير سلطان
PRINCE SULTAN
UNIVERSITY

مركز خدمة المجتمع والتعليم المستمر
Community Services & Continuing Education Center

سلطان في رمضان

SULTAN IN RAMADAN

مبارك عليكم الشهر
RAMADAN KAREEM

"No one has ever become poor by giving."

We are glad to deliver your in-kind donations from the list below for the donations from 20-30 March

- RICE 10KG	- OIL	- MILK POWDER
- VERMICELLI	- PASTA	- JAREESH
- LENTILS	- TOMATO PASTE	- WHITE FLOUR
- FINE SUGAR	- TEA	- FAVA BEANS
- TUNA	- DATE	- CREAM CARAMEL
- QUAKER	- VIMTO	

Money Donations are NOT acceptable.

Kindly drop the food supplies to Community Service and Continuing Education Center
Female campus: Office number 206, building 102
Male campus: The second floor, building 103 (A)
The donation is open to all PSU students, faculty members and their families.
For more information: 011-4948830 maddh@psu.edu.sa

www.psu.edu.sa

PSURUHEDU PSU_RUH psu_ruh PSUofficial



Programmes for services access

Organise training or programmes to improve access to basic services for all.



Invitation
World Kindness Day Event

Monday, November 15th
10am-12pm

Send A Smile
Rainbow of Kindness
Make a Difference: Donation drive
(Full day 14-16 November)

Venue:
B104 Men's campus (Lobby)
B102 women's campus (Lobby)

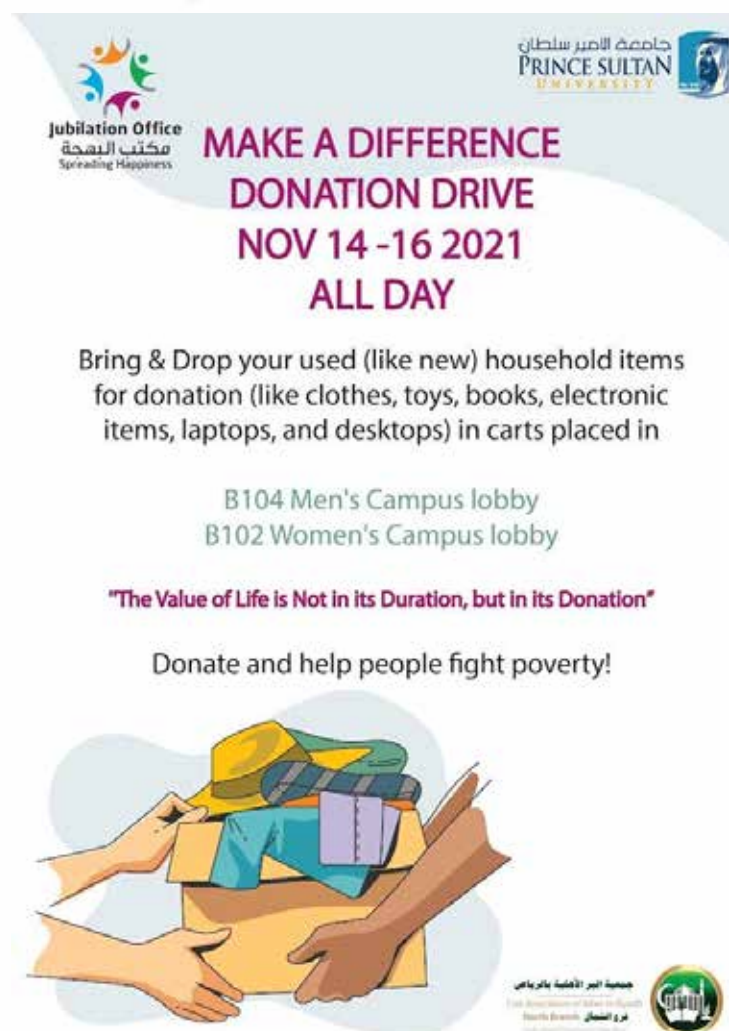
The world is full of **kind** people, If you can't find one, **be one**

Fun Games
Sugar rush
Free Gifts

Join us for fun games & win free gifts!

Jubilation Office
مكتب البهجة
Spreading Happiness

جامعة الامير سلطان
PRINCE SULTAN
UNIVERSITY



**MAKE A DIFFERENCE
DONATION DRIVE
NOV 14 -16 2021
ALL DAY**

Bring & Drop your used (like new) household items for donation (like clothes, toys, books, electronic items, laptops, and desktops) in carts placed in

B104 Men's Campus lobby
B102 Women's Campus lobby

"The Value of Life is Not in its Duration, but in its Donation"

Donate and help people fight poverty!

Jubilation Office
مكتب البهجة
Spreading Happiness

جامعة الامير سلطان
PRINCE SULTAN
UNIVERSITY



World Kindness Day Event

Monday, November 15th
10am-12pm

Send A Smile
Rainbow of Kindness
Make a Difference: Donation drive
(Full day 14-16 November)

Venue:
B104 Men's campus (Lobby)
B102 women's campus (Lobby)

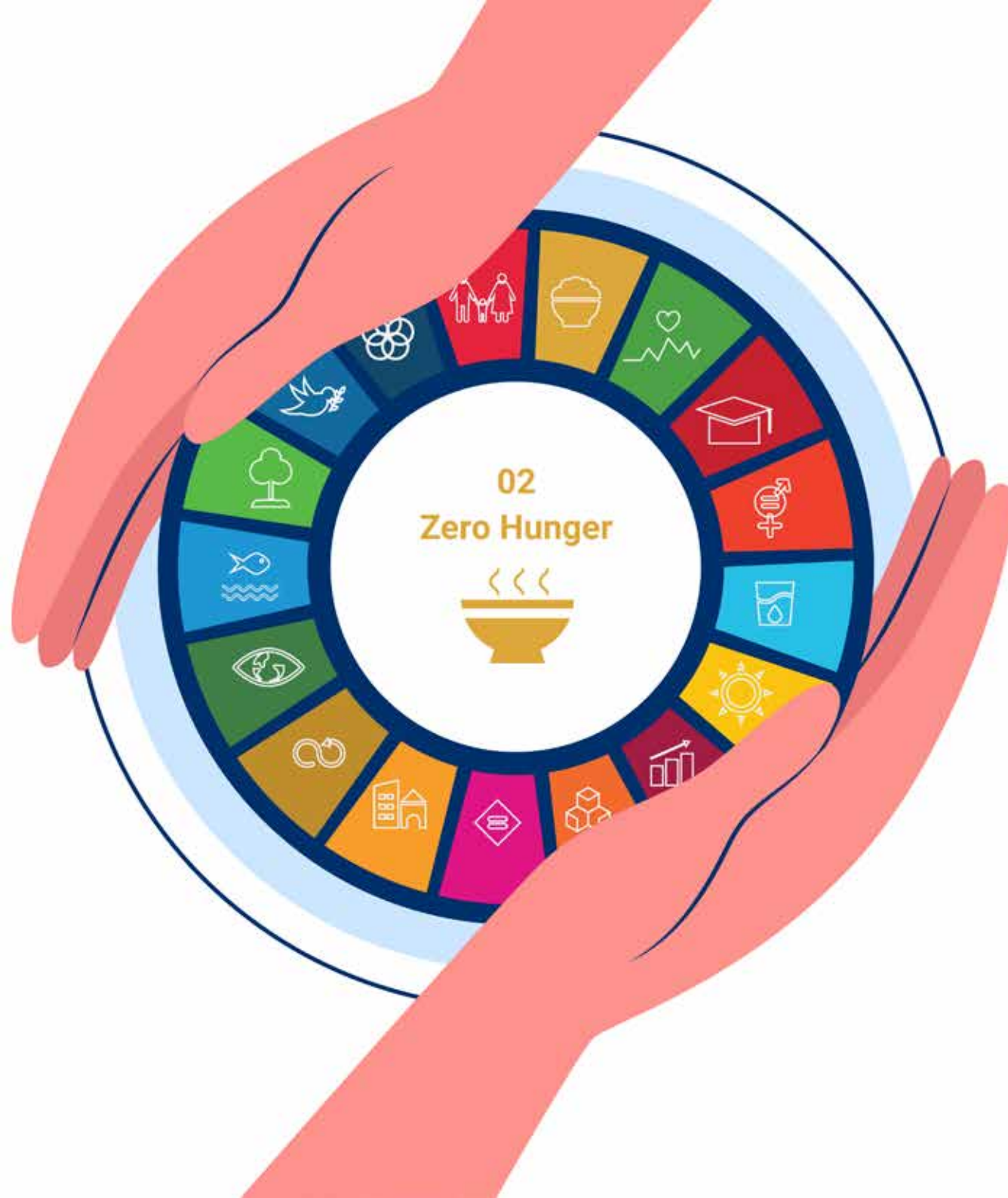
The world is full of **kind** people, If you can't find one, **be one**

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مكتب البهجة
Spreading Happiness

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UNIVERSITY



Sustainable Development Report 2021-2022

Zero Hunger

Zero Hunger

Student hunger

Sustainable food choices on campus for all on campus, including vegetarian and vegan food

تتشر في
....Nona mexicano
Nona Mexicana

بمناسبة اليوم الوطني يومى الأحد والخميس من كل اسبوع
امده شهر ابتداء من 24/سبتمبر/2018 م الى 25/اكتوبر/2018 م

تقديم عرض لتسويي الجامعة الأكاديميين والوظائف

العرض كالتالى :

- 1- طبق الباستا وإضافة طبق باتشور أو بطاطس مجاناً
- 2- حبة تاكو وإضافة حبة أخرى مجاناً
- 3- طبق بطاطس مع إضافة مشروب مجاناً (بيبسي أو مياه معدنية)
- 4- طبق باتشور وإضافة مشروب مجاناً (بيبسي أو مياه معدنية)

وكذلك لطالقات جامعة الامير سلطان الفاليات

العرض كالتالى :


- 1- طبق باستا وإضافة مشروب مجاناً (بيبسي أو مياه معدنية)
- 2- حبة تاكو وإضافة حبة تاكو مجاناً
- 3- طبق باتشور وإضافة مشروب مجاناً (بيبسي أو مياه معدنية)

محبكم وتتشر في
.....Nona mexicano
بخدمتكم صاحبه

المكرومات منسويات الجامعة

نفيدكم بأنه تم تزويد كلية البنات بمكان البيع الذاتي وعددها 8، عند وجود أي عطل أو ملاحظات لا تردود في الإتصال بمكتب الخدمات العامة والصيانة على الأرقام التالية :

0114948920
0515229101



عزيزتي منسويات الجامعة

يسكم الآن التمتع بالمشاق الرابع لوفاز والداشكك والكريب وذلك هو والفاز كوفي ، والذي قد تم افتتاحه في المبنى رقم 1 الدور الأرضي بجانب مطعم باستا إيتاليانو .

ونظراً لحبنا...

Dear All
You can now enjoy waffles, pancake, and crepe at Waffis Coffee that is now open at building 1 ground floor next to Pasta Italiano Restaurant.

Regards,

Healthy and affordable food choices for all on campus



عزيزاتي منسوبات الجامعة ..
نود تذكيركم بتوفر آلة بيع ذاتي للأغذية
الصحية قليلة السعرات الحرارية والخالية
من الجلوتين، وذلك في مبنى (3) الدور
الأرضي. عند وجود ملاحظات نرجو
الإتصال بقسم الخدمات العامة والصيانة
تحويلة: 8395

Dear all ...

We would like to inform you that vending machine of low calorie and gluten free food is available in building (3) ground floor. In case of breakdowns, do not hesitate to contact the General Services & Maintenance Department Ext: 8395

National hunger



Provide access on food security and sustainable agriculture and aquaculture knowledge, skills or technology to local farmers and food producers.



Events for local farmers and food producers to connect and transfer knowledge



University access to local farmers and food producers (e.g. labs, technology, plant stocks) to local farmers and food producers to improve sustainable farming practices.



Sustainable food purchases - Prioritise the purchase of products from local, sustainable sources.



The Interior Design Department
is pleased to invite

How to become a Designer
in Sustainable Innovation?

Speakers:

Patrick Le Quément –
founder of the Sustainable Design School of Nice,
France and designer.

Grant Linscott –
researcher,
educator and consultant in the fields of Design Thinking,
Design Strategy, and Business Innovation.



Sustainable Development Report 2021-2022

Good Health & Well Being

Good Health and Well-being

Number graduating in health professions

PSU has 77 scholarly publications on Good health and well-being that has 1,748 views, cited 647 times and has 8.40 citations per paper.

77

Number of
publications

1,748

Number of
views

647

Number of
citations

8.40

Citations Per
Paper

Collaborations and health services

Current collaborations with local, national, or global health institutions to improve health and well-being outcomes.



Research, Development and Collaboration Agreement

This Research, Development and Collaboration Agreement (Agreement)

Is made effective March 15, 2018 (Effective Date)

Between

Prince Sultan University

A duly registered university with the Ministry of Education of Saudi Arabia as a Non-Profit Private Educational Institute, whose registered office is at Riyadh, Saudi Arabia, (PSU)



and

Nia Technologies Inc.

A corporation organized under the Canada Non-Profit Corporations Act, (Nia)



technologies

(individually a Party and collectively the Parties)

WHEREAS PSU wishes to gain knowledge from, and work with, Nia in its continuing research and development of digital tools used and useful to the prosthetics and orthotics industry collectively the Project and often referred to by Nia as 3D PrintAbility;

AND WHEREAS Nia wishes to support, assist and collaborate with PSU in pursuit of the Project;

NOW THEREFORE The Parties hereby agree as follows:

1. Intention of the Parties

The Parties will make good faith efforts to work together in pursuit of the Project. Such work may include:

- a. Exchange of students, academicians, and non-academicians;
- b. Sharing of activities or programmes in areas of mutual interest that will benefit both Parties;







جامعة الامير سلطان
PRINCE SULTAN
UNIVERSITY



مؤسسة سلطان بن عبد العزيز آل سعود الخيرية
SULTAN BIN ABDULAZIZ AL-SAUD FOUNDATION

اتفاقية تعاون

إنه بتاريخ ١٤٣٩ / ٩ / ٥ هـ الموافق ٢٠١٨ / ٥ / ٢٠ م تم بمون الله وتوفيقه توقيع هذه الاتفاقية بمدينة الرياض بين شكل من:-

- ١- مؤسسة سلطان بن عبد العزيز آل سعود الخيرية ومقرها الرياض وعنوانها ص ب ٦١١٠٠ الرياض ١١٥٣٦ ويمثلها في التوقيع على هذه الاتفاقية صاحب السمو الملكي الأمير فيصل بن سلطان بن عبدالعزيز بسفسته الأمين العام ويشار إليها فيما بعد (طرف أول).
- ٢- جامعة الأمير سلطان ومقرها الرياض وعنوانها ص ب ٦٦٨٣٣ الرياض ١١٥٨٦ ويمثلها في التوقيع على هذه الاتفاقية صاحب السمو الأمير الدكتور عبدالعزيز بن محمد بن عياف بسفسته رئيس مجلس الأمناء ويشار إليها فيما بعد (طرف ثاني).

أقر الطرفان أعلاه بأهليتهما المعتبرة شرعاً ونظماً على التعاقد والتصرف والتشا على ما يلي:

تهدف:

حيث أن الطرف الثاني يقدم خدماته في مجال التعليم ، وحيث أن الطرف الأول وجه تهادف الى دعم المنظمات غير الربحية بغية تطوير الخدمات المستدامة والفاعلة ، التي تهدف الى دعم أفراد المجتمع لتمكينهم من تنمية مجتمعاتهم المحلية ، وحيث سبق للطرف الأول توقيع اتفاقيات تعاون مختلفة مع الطرف الثاني ويرغب حالياً في ابرام اتفاقية تعاون وخدمات تسهم في دعم الأهداف المجتمعية ، فقد اتفق الطرفان على ما يلي :

البنود الأولى

يعتبر التمهيد أعلاه جزءاً لا يتجزأ من هذه الاتفاقية .



صفحة ١ من ٤





Health outreach programmes

Deliver outreach programmes and projects in the local community (which can include student volunteering programmes) to improve or promote health and well-being including hygiene, nutrition, family planning, sports, exercise, aging well, and other health and well-being related topics. This can also include outreach programmes to displaced or refugee communities local to the institution.



WOMEN'S CAMPUS PSU المكتبة المركزية CENTRAL LIBRARY

LIBRARY NEWSLETTER

FEBRUARY 2020

NCAA Reviewers' Visit to PSU Central Library on the Women's Campus

The meeting between library staff and the NCAA external reviewers for the 2020 program accreditation visit took place. The library systems were again inspected by the NCAA reviewers, services and equipment during their visit around the library on Feb 1st, 2020. Audio by Dr. Hiba Khalil.

Awareness of Children's Cancer

In observation of International Childhood Cancer Day, PSU Library (Women's Campus) plans to pay a visit to children who are now receiving cancer treatment from King Saud University Medical City on February 23, 2020. To help raise awareness of children's cancer research and related issues in this country, library staff and volunteers have prepared brochure about this special event. Moreover, gifts like reading material have been provided to children with cancer at the medical city as well.

سُلطان Prince Sultan University

SUMMARY OF OUTREACH ACTIVITY IN 2020

Dr. Suriya Hamid
Coordinator Outreach Committee

General Sciences Outreach Committee organized the second event this year "A day for our healthy hearts". The event was held on 27th February, 2020 at Building 102 main lobby from 10:00 AM to 1:00PM. A group of medical professionals from King Faisal Specialist Hospital & Research Centre Riyadh were invited by our university for this event. Five (5) booths were placed in the campus and for each booth, five professionals from (KFSH&RC) were deputized. They counseled the students, staff and admin officials and provided them with all necessary information about how to keep their hearts healthy and how to stay fit. They also explained to them the benefits of proper nutrition. The names of the booths were as:

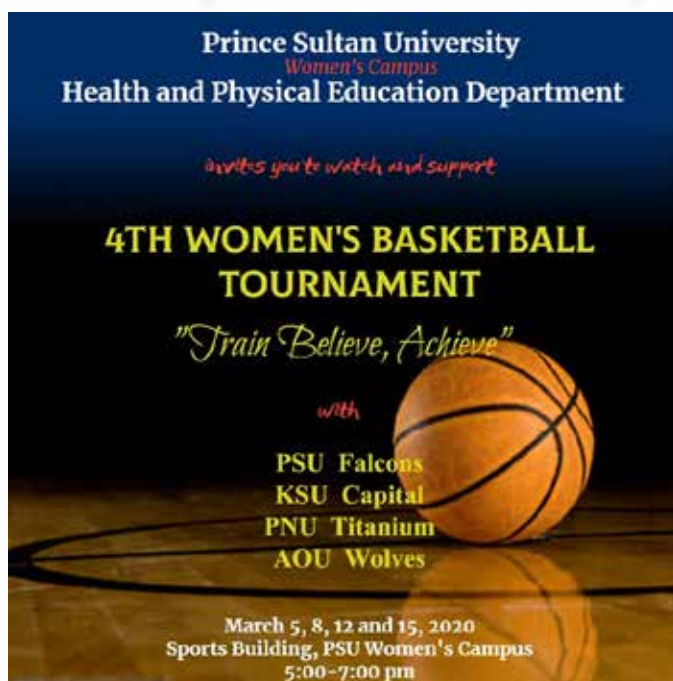
- Nutrition Booth
- Physical Therapy Booth
- Fitness Booth
- Nursing Heart Center Booth

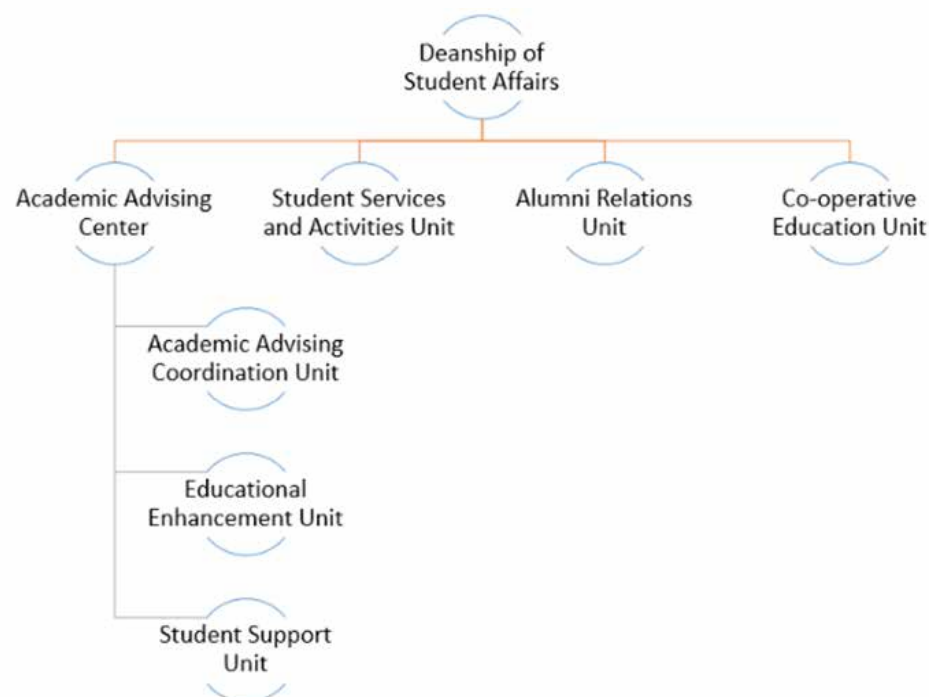
Sincere thanks are due to Dr. Hiba Khosiam, Dr. Elham Dannoun, Dr. Fahda AlThonyan and members of outreach committee. Dr. Seema Gul, Dr. Noor Harmeddeddin, Ms. Arooj Yaswi and Ms. Neelofar Nadeem who rendered full cooperation and support to make this event a great success. I look forward, to work in association with all faculty, students and administration to make all future events a great success too.



Shared sports facilities

Share sports facilities with the local community, for instance with local schools or with the general public.





Smoke-free policy

Public:

The university is an institution that has been established to serve its community. The work and conduct of its employees will be directed toward this end. The society has a system of values, regulations, and policies which the university should comply with and provide support for. Thus:

- Faculty members should treat the general public with courtesy, respect and dignity.
- Faculty members should provide the community with programs that are relevant, accessible and of high quality.
- Faculty members should avoid intentional misrepresentation of personal views as a statement of the position of the university.
- Faculty members should promote good citizenship by participating in activities that lead to the progress of the community including volunteer work.
- Faculty members should avoid public discussions of political or religious issues. Preaching and group worshipping other than Islam are prohibited.
- The use and/or importation of drugs or alcohol are criminal offenses, with very serious penalties in the courts. **Smoking is also prohibited in all buildings on campus.**
- Female faculty members are expected to dress conservatively (i.e., Abayas and scarves) in public places. They are not allowed to drive cars or operate any motor vehicles in the Kingdom.

Scholarship:

The fact that faculty members are expected to be active and preferably at the forefront of their professional areas in science, technology, research, and



Sustainable Development Report 2021-2022

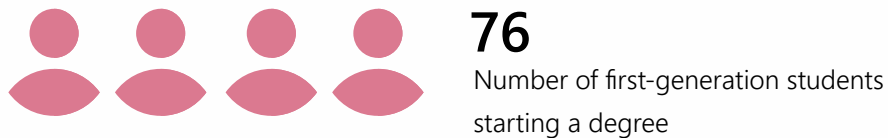
Quality Education

Quality Education

Proportion of graduates with teaching qualification



Proportion of first-generation students



Public resources (lifelong learning)

Provide free access to educational resources for those not studying at the university – e.g. computers, library, online courses, and access to lectures.



Prince Sultan University is a result of effort, the Custodian of the Two Holy Mosques, King Salman bin Abdulaziz, may Allah preserve him. The education for employment project at the university provides the most important international training programs targeted at graduates of Saudi colleges and universities who hold a bachelor degree.

It is essential that attention be paid to this category of both sexes' national youth population and find integrated scientifically based programs to develop their capacities to preserve our society's future features. To ensure that the pace of development continues, and although the practice of work is a contribution to national development, it is undoubtedly a means of earning and providing decent livelihoods. Having young men and women getting jobs is a goal for each family. An obsession haunts parents since end of the son and daughter's association at the university stage to searching for work where that ratio of youth unemployment in Saudi Arabia is 60% in both sexes, about 37% in males and 63% in females.

Hence, the Center's idea, which the university's officials give, notably His Highness Prince Dr. Abdulaziz bin Mohammed bin Ayyaf, Chairman of the University's Board of Trustees. In response to King Salman bin Abdelaziz's desire, since he was Prince of Riyadh, to actively espouse Saudi society's issues. The aim is to qualify university and college graduates who experience difficulties finding suitable job opportunities commensurate with their specialties and fill the shortage of skills and knowledge needed to meet their labor market needs.

The Centre and Vision 2030

The Education for Employment program is designed to keep pace with the ongoing development and rehabilitation of hundreds of young people from various universities and colleges in order to build the capacities and possibilities necessary to achieve the ambitious objectives of Vision 2030 and to achieve the aspirations of the University of Prince Sultan to serve the community by supporting and developing the youth of the country and thus achieving the objectives of the National Transformation Program.



Through, the Education for Employment program, a strategic partnership project has been established between Prince Sultan's University and eight leading global technology companies worldwide. Namely, Cisco, Juniper, Oracle, Microsoft, SAP, Huawei, Red hat and VMware. The aim is to transfer global technical knowledge, expertise, and technical skills to the Kingdom and rehabilitate and build Saudi youth who suffer from job security, particularly university graduates.

Global partnerships



E4E Graduation Ceremony



“

The centre provided for us the best courses and the most recent laboratory, in addition to instructors at a high level of experience, and opened the university doors for us 24 hours to apply and prepare for exams. I am the first Saudi to get it, and my number in the world is 193.

- Eng. Al-Mezal

”



“

The important of this center lies in developing the skills of graduates and preparing them for the job market in a number of important programs such as (Cisco, Oracle, Juniper, Microsoft and SAP), indicating that he would like to study the Cisco program. Because there is nearly 90% of the labor market companies need Cisco certificates

- Ahmed Al-Sharif

”



“

Since my graduation, i have been looking for programs that develop my skills and abilities until God, through a colleague, helped me to join the King Salman Center for Education and Employment, which includes a large number of programs required by the labor market. He joined the SAP program after completing the English language course prepared by the center.

- Moath Abdullah Al-Daraan

”

“

The CCIE certificate represents a great challenge for anyone who wants to go through this experience, especially after the controversy over whether we can pass the test, and it also represent for us to chart the right way to continue this fast field development

- Eng. Rami Bin Matouq Hassan Al-Obaidi

”



“ There are special courses in the center to qualify graduates, and this is what encouraged me to join it and develop my capabilities. Regarding the means by which he learned about the launch of the program, Al-Enezi said: I have friends with whom I communicate about such matters, and through them I learned about the start of registration in the program, and we have now started to study the English language, and then after four months we will start studying the specialization for a period of seven months according to choice the person for the program he wants, indicating that he has determined his desire to start joining the program, which is to study the Cisco program and obtain the (CCNA) and (CCNP) certificates, until reaching the highest certificate, which is (CCIE).

- Faisal Turkey Al-Enezi



Such a program is rarely found in universities and training centers, in addition to direct cooperation between PSU and Cisco the leader in this field.

- Eng. Muhammed Hosni Bukhari



This certificate means a lot to me, so it is enough that I am one of only 27 thousand people around the world who hold this certificate, and I have realized through several interviews that this certificate makes a quantum leap in employment and salary.

- Eng. Aqeel Abu Bakr



Public events (lifelong learning)

Host events at university that are open to the general public: public lectures, community educational events.

CSCEC is part of Saudi vision 2030 in empowerment as well as entrepreneurship by providing PSU beautiful landscapes for companies, home businesses, food trucks owners as well as any individual from society who can visit PSU events and get inspired to start his/her own as well. PSU creates the most enjoyable environment where all the family members can spend great time together as well.

Career Expo



PSU Street Fair



Open Day



Productive Family Exhibition

ورشة العمل
فائلة منتجون

بالتعاون مع كلية إدارة الأعمال
في جامعة الأمير سلطان - قسم الفتيات

اليوم الأول
الذاتين ٣ ديسمبر ٢٠١٨

الوقت: ١٠:٣٠ صباحاً - ١٢:٣٠ ظهراً
٢:٣٠ ظهراً - ٤:٣٠ مساءً

الورشة: الأزياء ومنتجات الأعمال
إستشارات

اليوم الثاني
الثلاثاء ٤ ديسمبر ٢٠١٨

الوقت: ١٠:٣٠ صباحاً - ١٢:٣٠ ظهراً
٢:٣٠ ظهراً - ٤:٣٠ مساءً

الورشة: التسوق
إستشارات

*موقع ورشة العمل: مبنى ٢، الدور الثاني، قاعة ٣١٥

011-434-8827
@MONTJOON_KSA
Cciawp@psu.edu.sa



Law Exhibition

CL كلية القانون
COLLEGE OF LAW

جامعة الامير سلطان
PRINCE SULTAN
UNIVERSITY

المعرض المجتمعي الاول لكلية القانون
" قانون سلطان : تميز و إبداع "

PSU, 1998

17 NOVEMBER

٢٠١٩/١١/١٧

البهو الرئيسي - فرع الطالبات

١١ ص - ١ ظ

Education outreach activities beyond campus

Undertake educational outreach activities (e.g. tailored lectures or demonstrations) beyond campus – in local schools, in the community. This can include voluntary student-run schemes.

Community Bounding

CSCEC established this unit to build the community by the community individuals themselves in providing free courses taught by PSU faculty or students. This will improve the knowledge of society individuals and make them feel more productive toward their community as well.

Mishkat (Annually 2012-2017)



Joud (Every Semester from 2015 to 2016)



Elderly Program (Annually 2016-2019)








Sustainable Development Report 2020

Gender equality

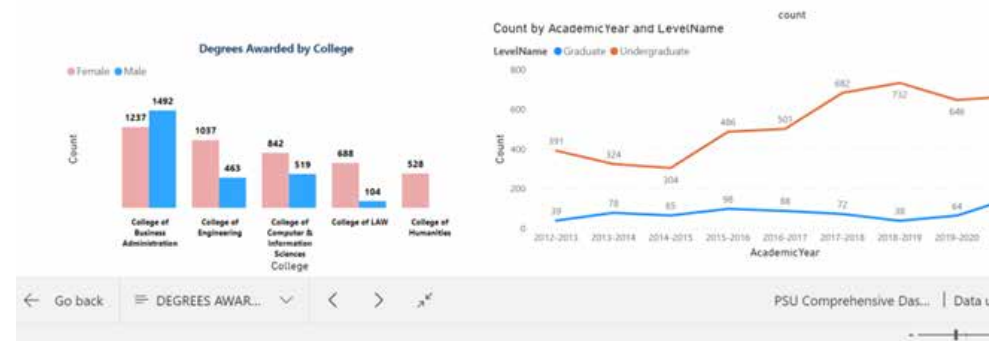
Proportion of graduates with teaching qualification

- 15%  Proportion of women first-generation
- 356  Number of women starting a degree
- 53  Number of first-generation women starting a degree

Student access measures

Tracking access measures

Systematically measure and track women's application rate, acceptance or entry



University Statistic for Academic Year 2021-2022

Faculty (including PYP, University level and TAs) **522**

Admin **391**

Student (Master)

140  Male

138  Female

278  Total

Student (Bachelors)

2179  Male

2875  Female

5054  Total

Student (PYP)

664  Male

586  Female

1250  Total

PSU Population

3463  Male

4032  Female

7495  Total (PSU Population)

PSU Alumni

Bachelors

2468  Male

4277  Female

6745  Total

Masters

422  Male

486  Female

908  Total

PSU Graduates (Total) **7653**

Program AT PSU (Graduate and Undergraduate)

College of Architecture and Design **2**

College of Business Administration **5**

College of Humanities **2**

College of Law **2**

College of Engineering **6**

College of Computer science & Information Systems **5**

Program AT PSU (total) **22**

Scholarships 40-50% for Applied Linguistics & Translation Majors

Prince Sultan University PSU Policy Management System Accessibility, Non-discrimination, and Harassment Policy	
Policy Code:	GV0007
Policy Name:	Accessibility, Non-discrimination, and Harassment Policy
Handler:	The President Office
Date Created:	15 August 2020
Date of Current Review:	15 August 2020
Approved by:	University Council
Date of Approval:	02/09/2020

Academic Advising Center Brochure

WHEN SHOULD I MEET MY ADVISOR?

- During early and regular registration
- At least twice per semester
- To discuss any issues that are hindering my study plan
- Before dropping a course, dropping a semester, or postponing a semester.
- When I am about to exceed my limit of absenteeism
- If my GPA is below 2.
- Before declaring a track.
- Before declaring a minor.
- Before I choose a company for my Cooperative Learning.
- While preparing my CV.
- If I wish to go for a semester abroad.
- To get career advice.

CONTACT US

☎

Dr. Safaa Kheir
AAC Director
011-494 8282

✉

aac@psu.edu.sa

🌐

https://info.psu.edu.sa/pscw/aac/

جامعة الامير سلطان

PRINCE SULTAN UNIVERSITY



ACADEMIC ADVISING CENTER





كلية الآداب والعلوم
COLLEGE OF HUMANITIES AND SCIENCES



جامعة الأمير سلطان
PRINCE SULTAN
UNIVERSITY



كلية الآداب والعلوم
COLLEGE OF HUMANITIES AND SCIENCES



جامعة الأمير سلطان
PRINCE SULTAN
UNIVERSITY

Educational Scholarships offered by Prince Sultan University for the 2nd semester of the AY 2021-2022

40-50%

CHS | كلية الآداب والعلوم
COLLEGE OF HUMANITIES AND SCIENCES

Majors Available (Female Students):

- Translation
- Applied Linguistics





Get acquainted with the Educational Scholarships offered by Prince Sultan University

40-50%

https://edugate.psu.edu.sa/psu/ui/guest/application_online/index?type=ApplicationOnlineIndex.faces

www.psu.edu.sa

 @COH_PSU

contact: 011 4948814 - 4948929

www.psu.edu.sa

 @COH_PSU

2021 - 2022

Your Scholarship awaits

Women's application in underrepresented subjects

PSU WiDS 2022



Sixth IEEE International Conference for Women in Data Science



**THE WOMEN IN DATA SCIENCE (WIDS)
INITIATIVE AIMS TO INSPIRE AND EDUCATE
DATA SCIENTISTS, REGARDLESS OF
GENDER, AND SUPPORT ARAB WOMEN IN
THE FIELD.**

March 14-15, 2023

OBJECTIVES OF WIDS

Present high profile international researchers and industry pioneers and female data scientists.

Promote higher representation of Women in Data Science.

Connect regional researchers and practitioners to pioneering global data science networks.

Demonstrates the Kingdom's direction to enhance academic research, which contributes to the national development in accordance with the kingdom's vision 2030.



The field of "Data Science for Social Good" is growing fast. Exciting opportunities provided by data science when applied to the fields of social innovation, philanthropy, international development and humanitarian aid - Dr. Tanzila Saba, WIDS Ambassador PSU



STEM Exhibition Day, 11th May 2022_ Women & Girls in Science



Data Science Club under the supervision of Artificial Intelligence and Data Analytics (AIDA) Lab at Prince Sultan University, Riyadh, KSA is pleased to invite you to the STEM Exhibition Day (Wednesday, 11th May, 2022 / 09:00 AM - 02:00 PM) aligned to Women & Girls in Science Day.

International Day of Women & Girls in Science, Feb 11, 2022



Data Science Club at Prince Sultan University under the supervision of AIDA Lab is pleased to organize the INTERNATIONAL DAY OF WOMEN & GIRLS IN SCIENCE on FEB 11, 2022 at 2-6PM Riyadh Time. This Day allows us to honor women's significant achievements in science and place a much-needed focus on girls entering Science, Technology, Engineering, and Mathematics (STEM) careers. Due to the fastest-growing technical advancement in jobs, STEM needs women.

Women in Architecture from 1975 until today

ARCH LECTURE 2021-2022
SAUDI VISION AND UN GOAL WOMEN EMPOWERMENT

WOMEN IN ARCHITECTURE FROM 1975 UNTIL TODAY

DRA. EVA ÁLVAREZ
ONLINE LECTURE
MONDAY
22 Nov 2021
17:00-18:00h

Associate Professor in Architectural Design department at the Universitat Politècnica de València (UPV), where she was Vice Dean for International Affairs from 2014 to 2016, sharing the ALLAPs agreement between UPV and UPM between 2014 and 2018. Apart from the UPV, she has taught at Leibniz University in Hannover, the Architectural Association in London, Virginia Tech in US, TU Berlin, DOKU Vienna, Scapino Università di Roma and LMU in Venice. In 1991 she co-founded carbo gomera-neve shared architecture, architectural firm that designed, among others, Massenaes Auditorium and Massenaes Town Hall. Their work has been awarded by the Generalitat Valenciana in 2017, has participated on the International Exhibition "On Stage" On Women and Men in Landscape, Architecture and Planning" in Hannover, Valencia and Vienna and they have been invited to participate in 2018 Venice Biennale Spain Pavilion with the event "realEAFININGspace".

Their work is focused currently on incorporating the gender perspective into urban planning, by writing a Guide to incorporate gender approach into planning in Comunitat Valenciana.

Ever since the 2019 WATA Minka Blomster Research Prize, has participated in 2nd Canary Islands Biennial in 2009 and she has lectured and written extensively on gender mainstreaming and feminism into architecture and urbanism.

In this lecture she will present an extract from her PhD dissertation **Women in Architecture. 1975, 2015, that obtained the maximum qualification –Sobresaliente Cum Laude–** in 2018.

WIDS FOR HIGH SCHOOL

- WIDS Education Outreach strives to inspire secondary female school students to take relevant courses and consider future careers involving data science, Artificial Intelligence (AI), and other related areas.
- We particularly encourage younger women and girls to consider these STEM fields by showing examples of successful women in technology roles. In addition, we strive to impress all students that diversity and inclusion are extremely important.
- WIDS for high schools emphasizes the real-world applications, as well as the societal and environmental impact of data science.
- This initiative is aligned with Vision 2030 of KSA and WIDS Education at the University of Stanford, USA.

WIDS EDUCATION
MATH and Data Science for Schools

MATH DAY WORKSHOP: MIND MAZE
Tuesday 8-2-2022 12:00-1:00

TECH DAY WORKSHOP: FUN TECH
Wednesday 9-2-2022 12:00 - 1:00

SCHOOLS COMPETITION
Thursday 10-2-2022 10:00-1:00

For more details visit: www.psu.edu.sa



Certificate Course in Data Science & Artificial Intelligence

CERTIFICATE COURSE IN DATA SCIENCE & ARTIFICIAL INTELLIGENCE

100% FREE PROFESSIONAL CERTIFICATION

What you will learn?

- Machine Learning techniques with real-world applications
- Natural Language Processing techniques with real-world applications
- Computer Vision techniques with real-world applications
- Developing a web application with Streamlit
- Working with GitHub to manage Data Science projects

For whom is this course?

The course will familiarize the learners with all essential skill sets required to be a good data scientist and machine learning engineer with real-world practical case studies regardless of their educational and professional background.

Offered by


Centrens in collaboration with the Artificial Intelligence and Data Analytics (AIDA) Lab, Prince Sultan University (PSU).


Limited spots, save yours now!

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

STARTS OCTOBER 1ST, 2022

Proportion of senior female academics

Proportion of senior female academics  44%

Number of senior academic staff  101

Number of female senior academic staff  44

Proportion of senior female academics

Proportion of female degrees awarded

 58.44%

Number of graduates: Total  729

Number of graduates by subject area (STEM, Medicine, Arts & Humanities / Social Sciences): Total  729

Number of graduates: STEM  151


Number of graduates: Medicine  0

Number of graduates: Arts & Humanities / Social Sciences  578

Number of female graduates by subject area (STEM, Medicine, Arts & Humanities / Social Sciences): Total  426

Number of female graduates: STEM  54

Number of female graduates: Medicine  0

Number of female graduates: Arts & Humanities / Social Sciences  372

Reference: Academic Year 2021

Women's progress measures

Policy of non-discrimination against women

Accessibility, Non-discrimination, and Harassment Policy; Gender Equality Policy

Prince Sultan University PSU Policy Management System Accessibility, Non-discrimination, and Harassment Policy	
Policy Code:	GV0007
Policy Name:	Accessibility, Non-discrimination, and Harassment Policy
Handler:	The President Office
Date Created:	15 August 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 Gender Equality Policy	
Policy Code:	GV0008
Policy Name:	Gender Equality Policy
Handler:	The President Office
Date Created:	15 July 2020
Date of Current Review:	15 August 2020
Approved by:	University Council
Date of Approval:	02/09/2020



Maternity and paternity policies

Articles, 64-65, pp 27, 2019-Faculty Governing Policies and Regulation



Childcare facilities for students, staff and faculty



Supporting PSU Female Staff and Students in their Career and Educational Journey by Providing Child Care Facilities



Women's mentoring schemes

Women's mentoring schemes in which at least 10% of female students participate - Academic Advising Handbook



Miras (Female Campus Only)

The Miras Program is designed to be the official link between current PSU students and affiliations to provide students with opportunities to gain meaningful experience in their fields of interest. Miras is an Arabic word which means "flexibility and experience". The name was chosen to reflect its objectives.

The purpose of the Program is to provide students with work experience in a professional setting aimed to enhance their academic, professional and personal learnings.

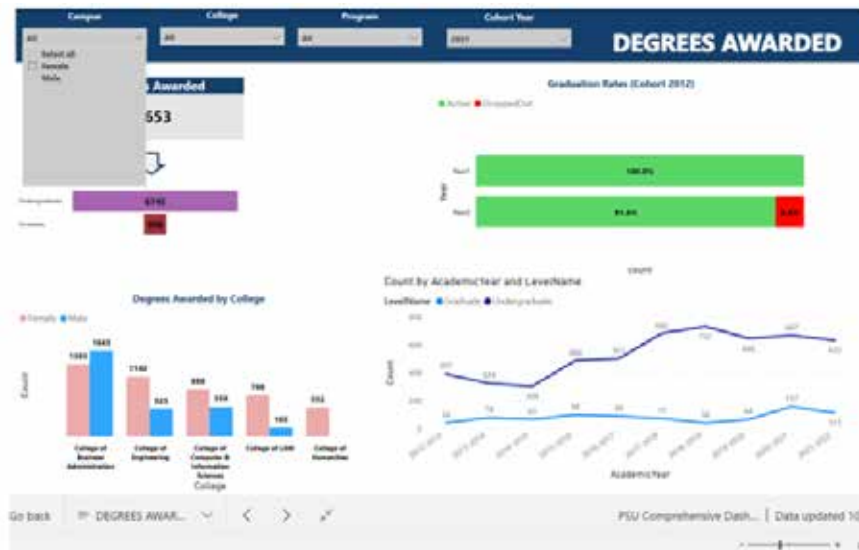
These experiences enable students to apply classroom theory to real-world situations, gain awareness of the professional to real-world situations, gain awareness of the professional expectations in the work environment, identify personal developmental needs and gain insight in their potential career directions.

If you face any problem, please feel free to contact us through E-mail (Miras@psu.edu.sa). Your Email should include an explanation of the nature of your problem along with your name and your student ID. Miras Portal: <https://info.psu.edu.sa/pscw/miras/Default.aspx>.



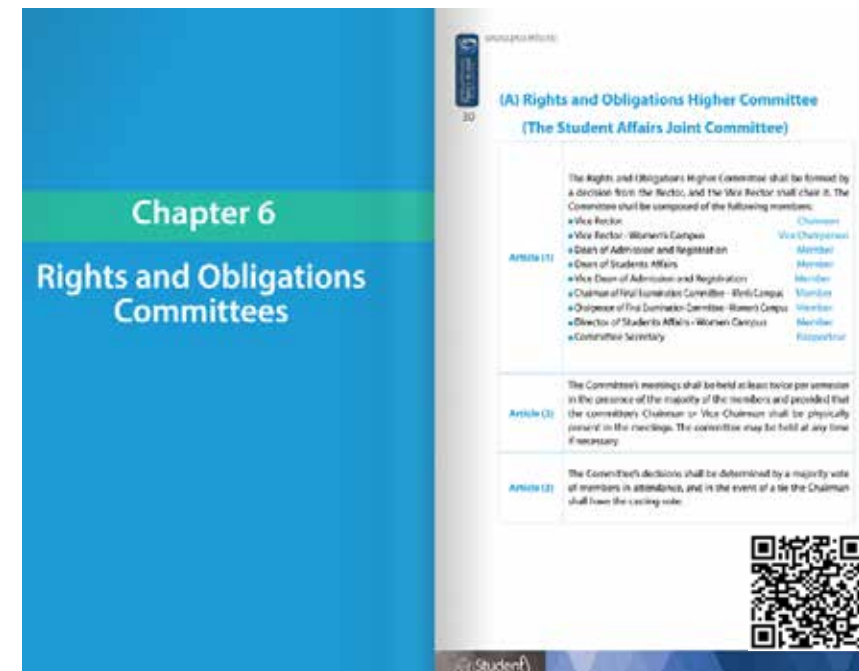
Track women's graduation rate

Have measurement or tracking of women's likelihood of graduating compared to men's, and schemes in place to close any gap.



Track women's graduation rate

Have measurement or tracking of women's likelihood of graduating compared to men's, and schemes in place to close any gap.



Prince Sultan University PSU Compliance and Legal Office Compliance Policies

Policy Code:	COP0008
Policy Name:	Compliance Confidentiality Policy
Handled:	Compliance and Legal Office, Office of the President
Date Created:	21 January 2022
Date of Current Review:	N/A
Approved by:	University Council
Date of Approval:	25 May 2022





Sustainable Development Report 2021-2022

Clean Water & Sanitation

Clean Water and Sanitation

Water usage and care:

To ensure clean water supply in the campus and to prevent water loss, PSU performs regular maintenance work to water supply



مذكرة تفاهم

بين شركة المياه الوطنية والجهات الحكومية والخاصة

مقدمة

تهدف شركة المياه الوطنية وهي شركة مساهمة سعودية مملوكة بالكامل للدولة متمثلة في صندوق الاستثمارات العامة تقوم بتقديم خدمات المياه والصرف الصحي وفقاً لأحدث المعايير العالمية، وتسعى من خلال تقديم مبادرة خفض الاستهلاك المياه بالتعاون مع عدد من الجهات الحكومية والخاصة في تنفيذ تجربة تركيب أدوات الترشيد ومراقبة الاستهلاك المياه وتقديم خلاصة النتائج التي تحقق الوفرة المالي والمائي لجهات المشاركة عبر عدة مجالات للتعاون:

- دراسة الاستهلاك المياه وتقديم التقييم المبدئي للتجربة.
- تحديد المباني المستهدفة واختيارها ضمن شروط التجربة.
- تركيب أدوات الترشيد المناسبة للمباني المستهدفة وفق معايير الهيئة العامة للمواصفات والمقاييس.
- متابعة الاستهلاك وأعداد التقارير اللازمة للتجربة.
- تزويد الجهات المشاركة بالنتائج النهائية لخفض الاستهلاك.
- مشاركة الإعلامية بين شركة المياه الوطنية والجهات المشاركة.

هي شركة المياه الوطنية غير خرائها ومصادرها التقنية والبشرية الى تقديم أفضل الحلول لوقف الهدر تحقيق الاستدامة وفق رؤية المملكة العربية السعودية ٢٠٣٠م وأهداف البرنامج الوطني ٢٠٢٠م.



Water in the community

In cooperation with the National Water Company (NWC), PSU signed an MoU to reduce water usage on campus.



Inter-Office Memo مذكرة داخلية Circular تعميم

Kindly be informed that due to the maintenance work in the university's main water pipe line, water will be completely cut-off from all buildings on Saturday, 4/7/1443 H corresponding to 5/2/2022 AD, from 8:30 am to 2 pm.
This is for your information.
Best regards,
رئيس الجامعة
Vice President for Administrative & Financial Affairs
د. سعد بن صالح الرويع
Dr. Saad S. Al-Ruway

- Office of the President, Board of Trustees
- President of the University
- Vice President for Academic Affairs
- Vice President for Student Services
- Deputy Vice President for Academic Affairs
- Assistant to the Vice President for QA/QC
- Secretary General, Center for Social Development
- Deans of the University
- Director, Human Resource Department
- Department Head
- Director, Community Ser. & Soc. Dev. Center





Sustainable Development Report 2021-2022

Affordable & Clean Energy

Affordable & Clean Energy

Prince Sultan University taken efforts on bringing the environment pollution free and contribute towards climate change. 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 affordable, clean and sustainable energy for all.

The strong commitment can be witnessed from the type of support provided in events related to clean energy, EV and the sustainable practices followed for sustainable PSU campus to promote renewable energy and energy efficiency, research contribution on microgrid and EV, etc. Moreover, the integration of clean and affordable energy as an important topic is endorsed in our curriculum and outreach.

Affordable & Clean Energy

Renewable Energy lab, PSU is showing a serious commitment to encourage its researchers to increase their productivity in this field.



Dr Umashankar
Subramaniam

Power electronics for green energy conversion

Authors Mahajan Sagar Bhaskar, Nikita Gupta, Sanjeevikumar Padmanaban, Jens Bo Holm-Nielsen, Umashankar Subramaniam

Publication date 2022/7/7

Publisher John Wiley & Sons

Description POWER ELECTRONICS for GREEN ENERGY CONVERSION Written and edited by a team of renowned experts, this exciting new volume explores the concepts and practical applications of power electronics for green energy conversion, going into great detail with ample examples, for the engineer, scientist, or student. Power electronics has emerged as one of the most important technologies in the world and will play a big role in the conversion of the present power grid systems into smart grids. Applications like HVDC systems, FACTS devices, uninterruptible power systems, and renewable energy systems totally rely on advances in power electronic devices and control systems. Further, the need for renewable energy continues to grow, and the complete departure of fossil fuels and nuclear energy is not unrealistic thanks to power electronics. Therefore, the increasingly more important role of power electronics in the power sector industry remains paramount. This groundbreaking new volume aims to cover these topics and trends of power electronic converters, bridging the research gap on green energy conversion system architectures, controls, and protection challenges to enable their wide-scale implementation. Covering not only the concepts of all of these topics, the editors and contributors describe real-world implementation of these ideas and how they can be used for practical applications. Whether for the engineer, scientist, researcher, or student, this outstanding contribution to the science is a must-have for any library.

PAPER • OPEN ACCESS

Design and realization of smart e for Standalone PV system

D. Manu¹, S.G. Shorabh¹, O.V. Gnana Swathika¹, S. Um

Published under licence by IOP Publishing Ltd

[IOP Conference Series: Earth and Environmental Science, Volume 19/02/2022 - 22/](#)

Citation D. Manu et al 2022 IOP Conf. Ser.: Earth Environ. Sci. 1



References

Hide article information

Author affiliations

¹ School of Electrical Engineering, VIT Chennai, India

² Department of Communications and Networks, Renewable Energy Laboratory, College of Engineering, Prince Sultan University, Riyadh 11586, Saudi Arabia

DOI

<https://doi.org/10.1088/1755-1315/11>



Hindawi
International Journal of Photovoltaic
Volume 2022, Article ID 9194537, 21 pages
<https://doi.org/10.1155/2022/9194537>



Research Article

A Practical Approach for Predicting Power in a Small-Scale Off-Grid Photovoltaic System using Machine Learning Algorithms

Aadyasha Patel¹, O. V. Gnana Swathika², Umashankar Subramaniam^{2,3},
T. Sudhakar Babu⁴, Alok Tripathi⁵, Samridha Nag⁶, Alagar Karthick⁵,
and M. Muhibbullah⁶

¹School of Electrical Engineering, VIT Chennai, Chennai 600127, India

²Department of Communications and Networks, Renewable Energy Laboratory, College of Engineering, Prince Sultan University, Riyadh 11586, Saudi Arabia

³Department of Energy and Environmental Engineering, Saveetha School of Engineering, Saveetha Institute of Medical and Technical Sciences, Saveetha Nagar, Thandam, Chennai, 602105 Tamilnadu, India

⁴Department of Electrical and Electronics Engineering, Chaitanya Bhawan Institute of Technology (CBIT), Hyderabad 500075, India

⁵Renewable Energy Lab, Department of Electrical and Electronics Engineering, KPR Institute of Engineering and Technology, 641407, Coimbatore, Tamilnadu, India

⁶Department of Electrical and Electronic Engineering, Bangladesh University, Dhaka 1207, Bangladesh

Correspondence should be addressed to M. Muhibbullah; m.muhibbullah@bu.edu.bd

Received 28 October 2021; Accepted 18 January 2022; Published 12 February 2022

Academic Editor: Laurentiu Fara

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Climate change and the energy crisis substantially motivated the use and development of renewable energy resources. Solar power generation is being identified as the most promising and abundant source for bulk power generation. However, solar photovoltaic panel is heavily dependent on meteorological data of the installation site and weather fluctuations. To overcome these issues, collecting performance data at the remotely installed photovoltaic panel and predicting future power generation is important. The key objective of this paper is to develop a scaled-down prototype of an IoT-enabled datalogger for photovoltaic system that is installed in a remote location where human intervention is not possible due to harsh weather conditions or other circumstances. An Internet of Things platform is used to store and visualize the captured data from a standalone photovoltaic system. The collected data from the datalogger is used as a training set for machine learning algorithms. The estimation of power generation is done by a linear regression algorithm. The results are compared with results obtained by another machine learning algorithm such as polynomial regression and case-based reasoning. Further, a website is developed wherein the user can key in the date and time. The output of that transaction is predicted temperature, humidity, and forecasted power generation of the specific standalone photovoltaic system. The presented results and obtained characteristics confirm the superiority of the proposed techniques in predicting power generation.

1. Introduction

Renewable or nonconventional sources of energy are something that replenishes itself at the speed of its consumption. Some examples of renewable energy are solar, wind, tidal, waves, and geothermal. Renewable energy ventures are being

undertaken in developed as well as in developing countries. The majority of the nonconventional energy sources are used to get electricity, which is more efficient, cleaner, and less polluting. Among all the nonconventional forms of energy, solar energy is most abundantly found.



Journal by MDPI

Energy Transition, Utilization and Management to

Message from the Guest Editors

This Special Issue seeks to contribute to the Sustainable Development Agenda through enhanced scientific and multi-disciplinary knowledge for identifying an efficient, economical and effective approach that also promotes environmental goals as well as social equity. We, therefore, invite papers on novel technical developments, reviews, case studies, and analytical as well as assessment papers from different disciplines, which could potentially hasten the progress in sustainability, especially in the energy sector, transportation sector and industrial sector in the context of sustainable energy. Further considerations of the SDG 7 assessment, strategic analysis and policy implications to support energy sustainability will be substantial.



Special Issue

List of university's achievements to the SDG

VISION رؤية 2030
KINGDOM OF SAUDI ARABIA

جامعة الامير سلطان
PRINCE SULTAN
UNIVERSITY

ee-TECH

Renewable ENERGYLAB

IEEE PES
Power & Energy Society®

**International Webinar on
Recent developments in high voltage transmission
and Capabilities of GCC Electrical Testing Laboratory**

Dr. Vasudev NAGARAJU

GCC Electrical Testing Laboratory will be a world class Electrical Product Testing and Services Hub in the GCC and MENA region. Independent authority for testing and certifying High-Voltage, Medium-Voltage and Low-Voltage electrical equipment. Act as a third party for failure investigations and arbitration, provide Low Voltage calibration services for electrical equipment and testing tools and certification courses for engineers and technicians.

TECHNICAL CONSULTANT
GCC ELECTRICAL TESTING
LABORATORY, KSA
ADDITIONAL DIRECTOR
(Rtd) at CPRE

Date: 29th March, 2022
Time: 4:30 PM (KSA)

Scan for
Registration

Contact:
Mr. AbdulRahman Almujaheed, 219211224@psu.edu.sa
Mr. Mohammed Alghamdi, 219110748@psu.edu.sa
Dr. Umashankar Subramaniam, usubramaniam@psu.edu.sa
Dr. Mahajan Sagar Bhaskar, smahajan@psu.edu.sa
Dr. Dhafer Almekhlis, dalmekhlis@psu.edu.sa
Eng. Sivakumar Selvam, sselvam@psu.edu.sa

ICSDI 2022 INTERNATIONAL CONFERENCE ON SUSTAINABILITY: DEVELOPMENTS AND INNOVATIONS

February 19 - 22, 2022 - Riyadh, KSA

ICSDI 2022

INTERNATIONAL CONFERENCE
ON SUSTAINABILITY
DEVELOPMENTS AND INNOVATIONS

19-22 FEBRUARY 2022
PRINCE SULTAN UNIVERSITY
RIYADH, SAUDI ARABIA

PRINCE SULTAN UNIVERSITY

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2030

SUSTAINABLE DEVELOPMENT GOALS

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ASCE

VISION رؤية 2030
KINGDOM OF SAUDI ARABIA

جامعة الامير سلطان
PRINCE SULTAN
UNIVERSITY

ee-TECH

Renewable ENERGYLAB

IEEE PES
Power & Energy Society®

**International Webinar on
Role of Battery Energy Storage Systems in Energy
Transition From Fossil Fuels to Renewables**

Dr. Selvakumar

Business Head at POWER
PROJECTS, Chennai,
Tamil Nadu, India

Power System is in transition from fossil fuel to renewables for environmental and economic reasons. This transition results in many challenges to power system design and operation. Frequency regulation, Voltage regulation, Generator ramp up / down requirements, Fault withstand capability, Rigidity of the grid, Protection are few key impacts. There are many Renewables projects are aimed across the world and in such cases the intensity challenges is extremely high. Energy Storage is the best possible option to resolve the issues and selecting the right type of energy storage is the key. Though there are many energy storage options available Battery energy storage system looks technically feasible and commercially viable at this stage. The session address the key challenges along with solution by from Battery Energy Storage. Session also brings out few real time case study outcome and highlight the simulation requirements at the early stage of the projects to choose the optimal sizing and configuration of BESS.

Date: 3rd March, 2022
Time: 4:30 PM (KSA)

Scan for
Registration

Contact:
Mr. AbdulRahman Almujaheed, 219211224@psu.edu.sa
Mr. Mohammed Alghamdi, 219110748@psu.edu.sa
Dr. Umashankar Subramaniam, usubramaniam@psu.edu.sa
Dr. Mahajan Sagar Bhaskar, smahajan@psu.edu.sa
Dr. Dhafer Almekhlis, dalmekhlis@psu.edu.sa
Eng. Sivakumar Selvam, sselvam@psu.edu.sa



Promote pledge on 100 per cent renewable energy (4.6%)

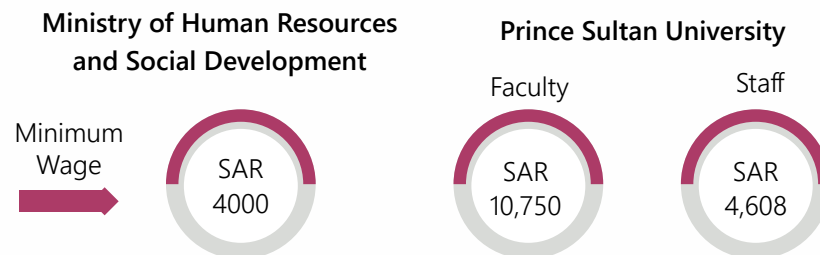


Sustainable
Development
Report 2021-2022
**Decent Work
& Economic
Growth**

Employment practice qualification

Employment practice living wage

PSU follows the standard national regulations for staff and faculty living wages and pays them more than the expected minimum living wage defined by The Ministry of Human Resources in Saudi Arabia. Minimum wage (defined by Ministry) in Saudi Arabia is SAR 3000-4000. For employees of lowest rank, the monthly salary is at least SAR 6405, for faculty of lowest rank, the starting monthly salary is at least SAR 10750. This is in 100% compliance with the Saudi local living wage laws.



Salary Structure of The Faculty Members

Academic Degree	Basic Salary	Transport Allowance	Living Allowance	Specialization Allowance 15% (For Saudis Only)	Social Allowance 15% (For Saudis Only)
Professor	17000	600	2550	0	2550
Associate Professor	15000	600	2550	0	2250
Assistant Professor	13000	600	1950	0	1950
Lecturer/ Research Assistant	9000	600	1350	1350	1350
Language Teacher	8000	600	1200	0	0
Instructor/ Research Assistant	7000	600	1050	1050	1050

Salary Structure of Administrative Staff



Salary slip



Employment practice unions

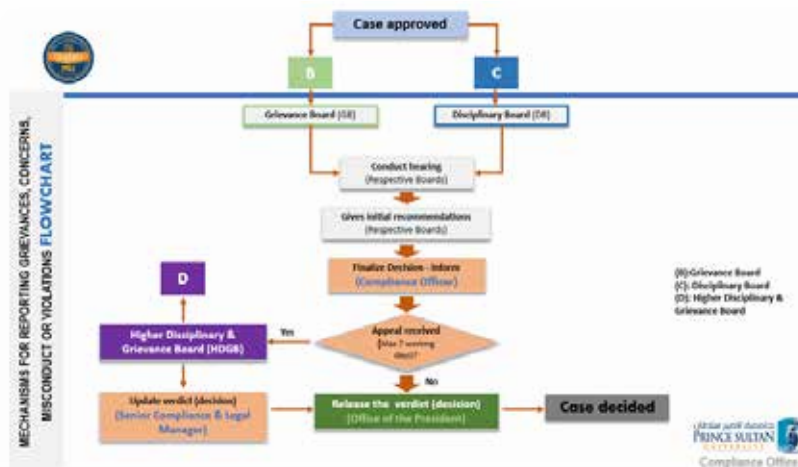
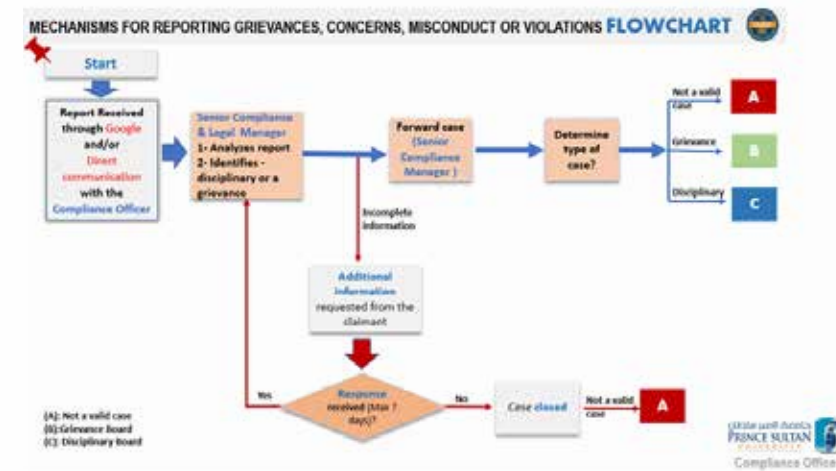
PSU recognize and participate with the National Committee of Labor Committees in the Kingdom of Saudi Arabia. Which is formed by election among the heads of the existing committees and consider the main and only reference for the labor committees in the establishments, which represent all workers in the Kingdom.

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



Employment policy on discrimination

PSU is an equal-opportunity institute that strongly prohibits all forms of discrimination based on gender, race, ethnicity, religion, nationality, or disability. I has zero tolerance policy for any kind of discrimination at work. Compliance Office @PSU is established to ensure the institution functions in a legal, professional and ethical manner at every administrative and operational level while meeting its institutional goals and thereby creating and maintaining a healthy and ethical environment for students, faculty, and staff. The PSU stakeholders are committed to uphold and maintain the institutions' reputation to sustain the PSU community and stakeholder's trust.



These issues are followed-up through an e-system either by the Minister or the relevant authorities. PSU has designated one of its employees as a representative who has an access to the Tawasul System and can forward the compliants to the concerned authorities at PSU for immediate action.

"Accessibility, non-discrimination, and Harassment policy".

The faculty, student, and administrative staff are advised to report his/her concerns through an online form about non-compliance with the policies, rules, and regulations at any administrative or operational level; however, the communication is considered confidential irrespective of the outcome of a compliant taking into consideration interest of both parties. In addition to that the Ministry of Education (MoE) has launched an e-service TAWASUL Yesser, which is designed to build communication channels with citizens (including parents, students, faculty, staff) on all issues relating to the education process, including proposals, inquiries, and beneficiaries' complaints.

Prince Sultan University (PSU)
Policy Management System
Accessibility, Non-discrimination, and Harassment Policy

Policy Code	000007
Policy Name	Accessibility, Non-discrimination, and Harassment Policy
Version	The President Office
Date Created	15 August 2020
Date of Current Review	15 August 2020
Approved by	University Council
Date of Approval	15/08/2020

Employment policy modern slavery

PSU upholds a zero tolerance policy towards modern slavery in all its guises: human trafficking, forced labor, bonded labor and child labor in line with the guiding principle set out by the United Nations, and the workplace regulations established by The Ministry of Human Resources and Social Development. Our policy and practice protects against any violation of human rights and protects the dignity of the individual.

Employment practice equivalent rights

Prince Sultan University committed when contracting with third parties that they adhered to Saudi labor rules and regulations and that they provided all rights to their employees. In addition, Articles, 113-114, pp- 32 PSU's Personnel Governing and Regulations booklet (2013).The university makes sure that all employees (faculty and staff) understand the outsourcing work rights, rules and regulations.

Employment policy pay scale equity outsourcing

The Gender Equality Policy of Prince Sultan University ensures that equal compensation is paid for equal work to both genders (male & female). The university human resources department actively ensures equal pay for both genders in faculty and staff.

Prince Sultan University PSU Policy Management System Policy against modern slavery, forced labor, human trafficking, and child labor

Policy Code:	GV0009
Policy Name:	Policy against modern slavery, forced labor, human trafficking, and child labor
Handler:	Human resources
Date Created:	15 July 2020
Date of Current Review:	15 August 2020
Approved by:	University Council
Date of Approval:	02/09/2020



Personnel
Governing
Policies and
Regulations
2021



CHAPTER TWELVE Temporary Employees

Article (109)
The University may hire employees to work temporarily to carry out certain tasks on full time or part time basis without compliance with the official working hours.

Article (110)
Temporary employees, whether on full time or part time basis, can be hired for a period not exceeding one year in aggregate.

Article (111)
During performing his duties, the temporary employee shall be subject to the university's rules and regulations in all that is not specifically mentioned in his contract; and shall report directly to his supervisor appointed by the University for this job, or anyone mentioned in the contract made with the employee.

Article (112)
The Vice President for Administrative and Financial Affairs concludes Contracts with temporary employees upon an approval according to a justified request from the head of the administrative unit or the concerned project. The decision for seeking assistance shall include the time required to complete the work, and duties of the employee, as well as the amount of remuneration, and any other issue related to completing the required tasks.

Article (113)
Temporary employees shall receive a remuneration corresponding to his qualifications, experience, and the nature of the tasks, in addition to the travel expenses from and to the place of residence from and to the workplace.

Article (114)
The contract with the temporary employee shall specify the other benefits provided to the employee such as medical treatment and insurances.



The Gender Equality Policy of Prince Sultan University ensures that equal compensation is paid for equal work to both genders (male & female). The university human resources department actively ensures equal pay for both genders in faculty and staff.

Tracking pay scale for gender equity

PSU ensures and tracks pay scale for gender equity. Compliance office at PSU regularly conducts audits of salaries to ensure equity of pay between two genders.

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:	15 August 2020
Approved by:	University Council
Date of Approval:	02/09/2020

Our Vision

In alignment with Prince Sultan University Vision, the Compliance and Legal Office focuses on ensuring adherence to applicable rules and regulations, and policies while maximizing available resources to support the university goal of providing excellent education, research and community service in a healthy and ethical environment.

Our Mission

Our Mission is to ensure that policies and procedures are established and implemented, to assist with the application and enhancement of internal checks, and to establish an ethical work environment to contribute to the pursuit of the University's mission.

Our Values

In alignment with the core values of the University, the compliance officer and the compliance committee are led by the following values:

- ▶ **Integrity:** Honesty and integrity are shown in our work in our interaction with the University staff
- ▶ **Accountability:** In our action, we will show that accountability is essential for the institution to get people to assume ownership of their actions and to bear consequences for their wrongdoing.
- ▶ **Fairness:** Faculty, students, and staff can raise their issues concerns with a strong belief that their cases will be dealt with professionally and diligently
- ▶ **Objectivity:** We will use our action objective methods to verify the complaints without being influenced in recommending our decision.
- ▶ **Consistency:** We will be acting in our hearings according to the policies.
- ▶ **Knowledge:** we try to stay always informed and aware of the major issues raised to improve the performance of the University Management, faculty students, and staff.

Our Goals

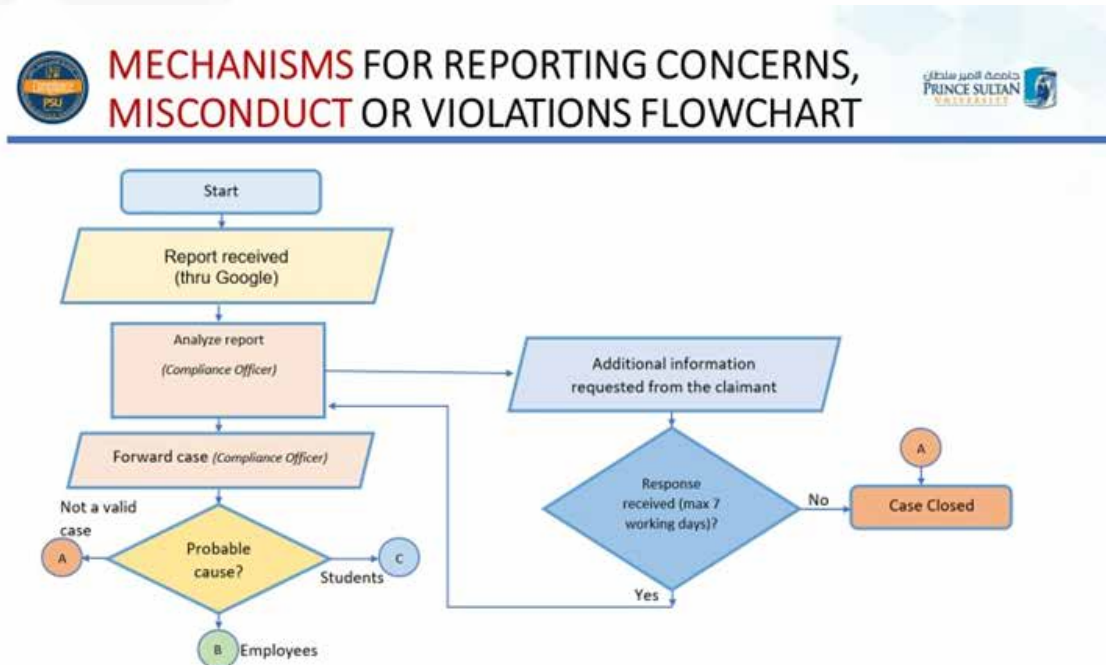
- Planning
- Management and Administration
- Professional Performance and Development
- Quality Assurance and Development

Employment practice appeal process

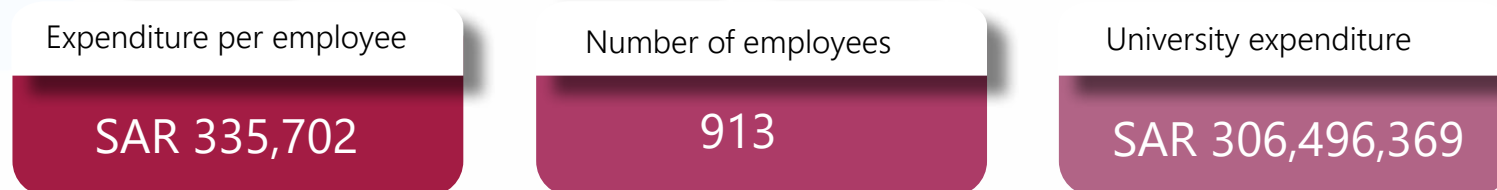
Prince Sultan University has established a clear mechanism and process for employees to appeal on their pay or any other right (Compliance office).

All employees at Prince Sultan University access the right to a workplace free of harassment and discrimination. PSU first and foremost attempts to ensure such a workplace, while simultaneously acknowledging that certain cases are unavoidable. As such, PSU offers its employees a comprehensive set of policies and procedures that offer mechanisms for employees to raise grievances, including for pay through the channels leading all the way up to the president of the university.


Prince Sultan University – Compliance Office encourages its internal (faculty members, staff, and students) and external (parents, alumni, and employers) stakeholders to report concerns, misbehavior or abuses of the PSU's Code of Ethics and/or other related policies.



Expenditure per employee



99.86%  Proportion of students taking work placements

6295  Proportion of students with work placements

6304  Number of students

Students work placement includes Coop, Internship, Apprentisship 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.

Proportion of employees on secure contracts





Sustainable
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Industry, Innovation and Infrastructure

Conferences and Symposia

PSU organizes a number of conferences and symposia on a yearly basis which enhances collaboration and innovation.

5th INTERNATIONAL CONFERENCE
WOMEN IN DATA SCIENCE
RIYADH @ PSU
March 28-29, 2022
Building 101 Main Auditorium
VISION 2030

Topics:
Track 1: Artificial Intelligence, Career Applications & Future Challenges
Track 2: Big Data Analytics, Data Visualization & Forecasting
Track 3: Data Science & Data Analytics Applications
Track 4: Data Science Application in Real-world scenarios (energy, IoT, Cybersecurity, education, smart agriculture, business, and digital transformation)

Distinguished Speaker:
Dr. Roshan Al-Yahya
Professor of the Data Science Department, King Fahd University of Petroleum & Minerals, Riyadh, KSA

Honorary Program Chair:
Dr. Ahmed Al-Yamani
Professor of the Data Science Department, King Fahd University of Petroleum & Minerals, Riyadh, KSA

Speakers:
Dr. Salwa Al-Dhaher, Dr. Shamsa Al-Najdi, Dr. Aida Zaid Al-Harbi, Dr. Huda Alghamdi, Dr. Aida Al-Faraj, Dr. Aishah Al-Faraj

Important Deadlines:
Paper Submission Open: November 24, 2021
Full paper submission deadline: February 1, 2022
Acceptance Notification: February 25, 2022
Camera Ready Paper Submission: March 5, 2022
Paper Registration: March 20, 2022
Conference Dates: 28-29 March, 2022

Contact: All questions about submissions should be emailed to: widsriyadh@psu.edu.sa

CAIDA 2021 WORKSHOP REGISTRATION

Workshops on 6 April, 2021

- Sentiment Analysis in Python** - Ms. Erum Afzal
- Introduction to Artificial Intelligence** - Ms. Hussah Alakeel
- Automation of helpdesk services through machine learning and text cluster** - Bruno Ferreira da Paixão

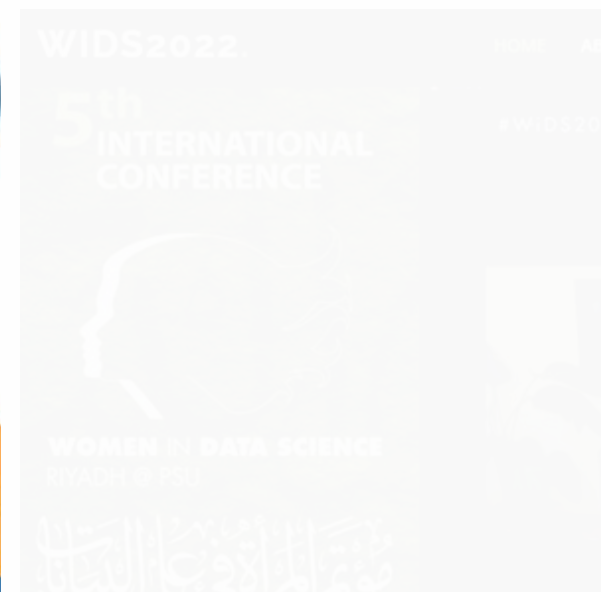
Workshops on 7 April, 2021

- Explore AI use cases** - Mr. Mofaq Althiyabi
- Introduction to Artificial Intelligence for Natural Language Processing** - Mr. Wissam Antoun

6 - 7 April, 2021
5:00 - 8:00 PM - Riyadh Time

Registration Link:
<https://forms.gle/Gy6w3CvDWZCyAmem7>

*Certificate will be awarded to all Participants





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Tracks & Topics

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On behalf of the conference Committees, you are cordially invited to participate in the technical program of the College of Engineering's most dynamic, informative, inspirational, and innovative 2022 event: International Conference on Sustainability: Developments and Innovations in Riyadh, KSA. For two years, we are using our conferences as an opportunity to connect talented people all over the world with decision-makers and limitless opportunities.

Organising Committee

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Along with the diversity of presentations on challenging projects and research, ICSDI 2022 will feature multiple invited speakers on selected topics. The conference will include a wide-range of knowledge-enhancing technical and panel sessions, short courses, and workshops. Join us in Riyadh to share in this celebration of Prince Sultan University (PSU) accomplishments towards SDG's 2030.



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Mr. Rashed Alkhatib
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Sustainability Officer
AMAALA



Mr. Turki Buhari
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EXPRO



7th International Conference on Data Science and Machine Learning Applications

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RESEARCH LAB

Keynote Speakers

Prof. Christina Gitsaki,
Zayed University, UAE

Prof. Norbert Schmitt,
University of Nottingham, UK

Prof. Joannette Allamibo,
University of Illinois,
State University of New York, USA

zoom

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THE SECOND INTERNATIONAL CONFERENCE OF SMART SYSTEMS & EMERGING TECHNOLOGIES

22-24 MAY 2022 PRINCE SULTAN UNIVERSITY
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TRACKS

- 1 Artificial Intelligence
- 2 Internet-of-Things
- 3 Emerging Technologies
- 4 Unmanned Systems
- 5 Communication & Networking
- 6 Cyber-Security

KEYNOTE SPEAKERS



GENERAL CHAIRS

- 1 Anis Koubaa, Prince Sultan University, Saudi Arabia
- 2 Ahmad Taher Azar, Prince Sultan University, Saudi Arabia
- 3 Eric Feron, King Abdullah University of Science & Technology, Saudi Arabia

PROGRAM CHAIRS

- 1 Mohamed Abdelkader, Prince Sultan University, Saudi Arabia
- 2 Wadi Boulla, Prince Sultan University, Saudi Arabia
- 3 Adel Ammar, Prince Sultan University, Saudi Arabia
- 4 Muhamad Falemban, King Fahd University of Petroleum & Minerals, Saudi Arabia

IMPORTANT DATES

Paper Submission: October 31, 2021
Notification of Acceptance: December 31, 2021
Camera-ready Papers: January 31, 2022
Registration: February 28, 2022
Conference Dates: May 22-24, 2022

LINKS

Conference Website: <http://smarttech.nsu.edu.sa/>
Submission via EasyChair: <https://easychair.org/my/conference?conf=smartech22>

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SESSION 1: Keynote Address



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Professor & HOD (EEE)

School of Electrical Engineering, Department of
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Tel: +91 416 220 2467

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Patents

PSU welcomes and supports new innovations and patents. Currently, 8 patents have been submitted by PSU. Four of these patents have been granted and registered under PSU.

US 20210265919A1

(19) **United States**
(12) **Patent Application Publication**
(43) **Pub. No.: US 2021/0265919**
(43) **Pub. Date: Aug. 26, 2021**

(54) **MICROGRID POWER SUPPLY SYSTEM DC-DC CONVERTER AND CONTROLLING METHOD**
(52) **U.S. CL.** G06F 1/26 (2006.01); H02M 1/36 (2006.01)
(71) **Applicant:** Prince Sultan University, Riyadh (SA)
(72) **Inventors:** Mahajan Sagar BHASKAR, Riyadh (SA); Dhafer J. AlMAKHLES, Riyadh (SA); Umashankar SUBRAMANIAM, Riyadh (SA); Sanjeev Kumar PADMANABAN, Riyadh (SA); Sakthivel RATHINASAMY, Riyadh (SA)
(73) **Assignee:** Prince Sultan University, Riyadh (SA)
(21) **Appl. No.:** 16/798,532
(22) **Filed:** Feb. 24, 2020
(51) **Int. Cl.** H02M 7/483 (2006.01); H02J 1/10 (2006.01)
(57) **ABSTRACT**
A DC-DC voltage converter includes an input circuit parallel linked leg (PLL), an output circuit and a controller. The PLL includes an active leg switch, a leg inductor, capacitor and a leg diode. The controller is configured to turn on the active input switch and the active leg switch while maintaining the active output switch at a turn off for the first duty cycle period i) turn off the active input switch and the active leg switches, and turn on the output switch for a second duty cycle period following first duty cycle period, and ii) turn off the active input switch and the active leg switches for a remaining period following the second duty cycle period. A method controlling the DC-DC converter includes steps of i) i)

US 11,101,742 B2

(12) **United States Patent**
(45) **Date of Patent:** Aug. 24, 2021

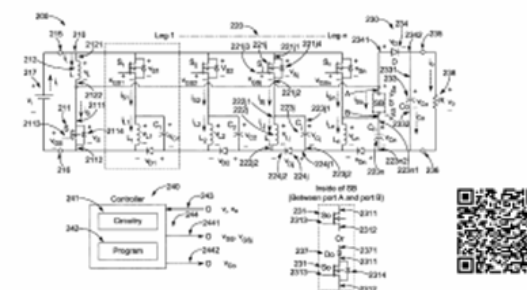
(54) **BUCK-CHOPPER AND BI-DIRECTIONAL CHOPPER FOR MULTILEVEL-CASCAD H-BRIDGE INVERTERS**
(71) **Applicant:** Prince Sultan University, Riyadh (SA)
(72) **Inventors:** Sridhar Vavilpalli, Riyadh (SA); Umashankar Subramaniam, Riyadh (SA); Dhafer Jaber Almakhlles, Riyadh (SA)
(73) **Assignee:** Prince Sultan University, Riyadh (SA)
(*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 27 days.
(21) **Appl. No.:** 16/733,422
(22) **Filed:** Jan. 3, 2020
(51) **Int. Cl.** H02M 7/587 (2007.01); H02J 7/00 (2006.01)
(52) **U.S. CL.** H02M 7/587 (2013.01); H02J 3/01 (2013.01); H02J 7/00 (2020.01)
(57) **ABSTRACT**
A cascaded H-bridge (CHB) inverter for higher rated power conditioning systems which operates at medium voltages while providing high power quality and low dv/dt. By incorporating battery energy storage, the power conditioning system operates at night to provide power to a load or grid and stabilizes the system during sudden changes in climatic conditions. Various energy storage system (ESS) configurations such as AC-side coupled ESS, dual active bridge based ESS, and chopper based ESS configurations for cascaded H-bridge inverters are described. A comparison of these configurations on the basis of cost, control complexity, controller hardware requirements was performed and the advantages of chopper based ESS configurations over other ESS configurations was demonstrated. A control algorithm for the chopper based configurations was developed to operate the system in standalone and grid-connected modes of operation.
(14 Claims, 35 Drawing Sheets)



US 11,233,452 B2

(12) **United States Patent**
(45) **Date of Patent:** Jan. 25, 2022

(54) **MICROGRID POWER SUPPLY SYSTEM DC-DC CONVERTER AND CONTROLLING METHOD**
(71) **Applicant:** Prince Sultan University, Riyadh (SA)
(72) **Inventors:** Mahajan Sagar Bhaskar, Riyadh (SA); Dhafer J. Almakhlles, Riyadh (SA); Umashankar Subramaniam, Riyadh (SA); Sanjeev Kumar Padmanabhan, Riyadh (SA); Sakthivel Rathinasamy, Coimbatore (IN)
(73) **Assignee:** Prince Sultan University, Riyadh (SA)
(*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.
(21) **Appl. No.:** 16/798,532
(22) **Filed:** Feb. 24, 2020
(51) **Int. Cl.** H02M 7/58 (2006.01); H02M 1/07 (2006.01); H02J 1/00 (2006.01); H02J 5/00 (2016.01); H02M 1/00 (2006.01)
(52) **U.S. CL.** H02M 7/58 (2013.01); H02M 1/07 (2013.01); H02J 1/00 (2013.01); H02M 1/0095 (2021.05)
(57) **ABSTRACT**
A DC-DC voltage converter includes an input circuit, a parallel linked leg (PLL), an output circuit and a controller. The PLL includes an active leg switch, a leg inductor, a leg capacitor and a leg diode. The controller is configured to i) turn on the active input switch and the active leg switches while maintaining the active output switch at a turn off state for the first duty cycle period ii) turn off the active input switch and the active leg switches, and turn on the active output switch for a second duty cycle period following the first duty cycle period, and iii) turn off the active output switch while maintaining also turn off states of the active input switch and the active leg switches for a remaining period following the second duty cycle period. A method of controlling the DC-DC converter includes steps of i) to iii).
(19 Claims, 24 Drawing Sheets)





US 2021/0088337 A1

(19) United States
(12) Patent Application Publication (30) Pub. No.: US 2021/0088337 A1
KOURBAA (43) Pub. Date: Mar. 25, 2021

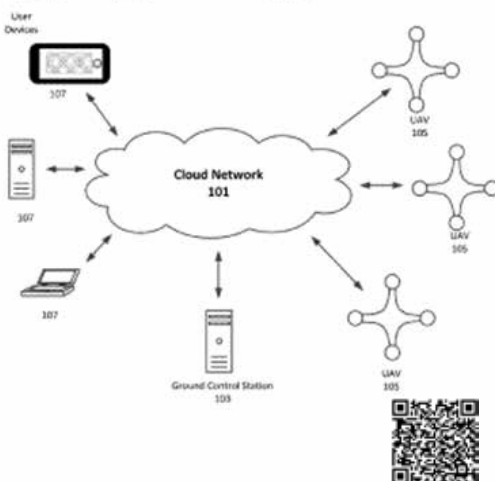
(54) SYSTEM AND METHOD FOR SERVICE ORIENTED CLOUD BASED MANAGEMENT OF INTERNET OF DRONES
(71) Applicant: Prince Sultan University, Riyadh (SA)
(72) Inventor: Anis KOURBAA, Riyadh (SA)
(73) Assignee: Prince Sultan University, Riyadh (SA)
(21) Appl. No.: 16/798,233
(22) Filed: Feb. 15, 2020

Related U.S. Application Data

(60) Provisional application No. 62/900,277, filed on Sep. 20, 2019.

Publication Classification

(51) Int. Cl. G06C 21/20 (2006.01)
H04L 29/00 (2006.01)
H04L 29/12 (2006.01)
G06G 5/00 (2006.01)
G06G 5/02 (2006.01)
B64C 19/02 (2006.01)
G05D 1/00 (2006.01)
G05D 1/10 (2006.01)



US 11,334,065 B2

(12) United States Patent
Koubaa et al. (10) Patent No.: US 11,334,065 B2
(45) Date of Patent: May 17, 2022

(54) SYSTEM, APPARATUS, AND METHOD FOR CONTROLLING UNMANNED AERIAL VEHICLES FOR SEARCH AND RESCUE

(71) Applicant: Prince Sultan University, Riyadh (SA)
(72) Inventors: Anis Koubaa, Riyadh (SA); Ehtesham Turkki Alotaibi, Riyadh (SA); Shahad Saleh Algeferi, Riyadh (SA)
(73) Assignee: Prince Sultan University, Riyadh (SA)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 289 days.

(21) Appl. No.: 16/740,442

(22) Filed: Jan. 10, 2020

(65) Prior Publication Data
US 2021/0216669 A1 Jul. 15, 2021

(51) Int. Cl. G05D 1/00 (2006.01)
H04L 6/710 (2022.01)
(Continued)

(52) U.S. Cl. G05D 1/0027 (2013.01); B64C 19/024 (2013.01); G05D 1/104 (2013.01); H04L 6/710 (2013.01); H04W 4/90 (2018.02); B64C 22/0127 (2013.01); B64C 22/0126 (2013.01); B64C 22/0143 (2013.01)

(58) Field of Classification Search
USPC 701/20, 3, 50, 101; 340/902
See application file for complete search history.

(56) References Cited
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10,203,701 B2 2/2019 Kord et al.
(Continued)

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CN 107941067 A 4/2018

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Sajit, P. B., & Ghose, D. (2004). Search using multiple UAV's with flight time constraints. IEEE Transactions on Aerospace and Electronic Systems, 40(2), 491-505. doi:10.1109/taes.2004.1310000 (Year: 2004). *

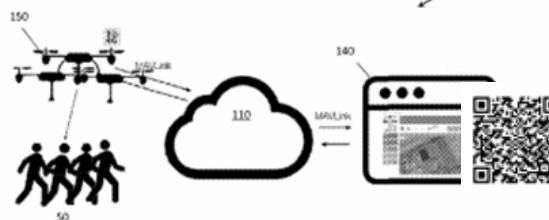
(Continued)

Primary Examiner — Elaine Gort
Assistant Examiner — Ellis B. Ramirez
(74) Attorney, Agent, or Firm — Ohlson, McClelland, Maier & Neustadt, L.L.P.

ABSTRACT

A system, method, and non-transitory computer-readable storage medium to perform a search and rescue mission according to a Layered Search and Rescue (LSAR) methodology using a plurality of Unmanned Aerial Vehicles (UAVs) communicatively connected to a remote server. The LSAR methodology can involve receiving data corresponding to a center of an area corresponding to an adverse/disaster event potentially having survivors at unknown locations; dividing the area into a set of numbered box-shaped layers within the area; calculating a thickness of the box-shaped layers based on a total number of the Unmanned Aerial Vehicles; exclusively assigning one or more of the Unmanned Aerial Vehicles to each box-shaped layer; and controlling the Unmanned Aerial Vehicles to perform the search and rescue mission by selectively switching one or more of the Unmanned Aerial Vehicles between a searcher mode and a rescuer mode.

20 Claims, 10 Drawing Sheets



US 2021/0209956 A1

(19) United States
(12) Patent Application Publication (10) Pub. No.: US 2021/0209956 A1
Allouche et al. (43) Pub. Date: Jul. 8, 2021

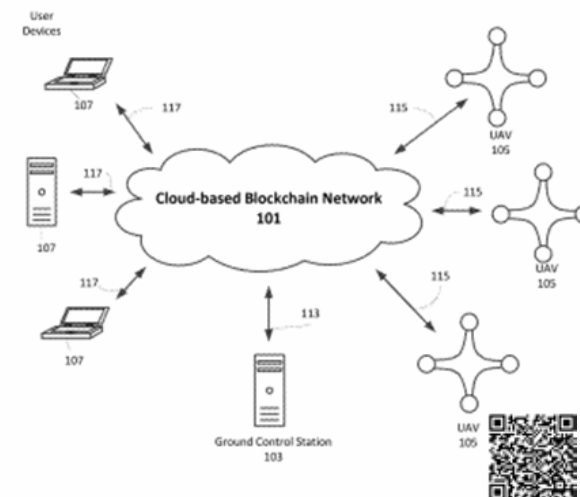
(54) BLOCKCHAIN-BASED SOLUTION FOR INTERNET OF DRONES SECURITY AND PRIVACY

(71) Applicant: Prince Sultan University, Riyadh (SA)
(72) Inventors: Azza Allouche, Riyadh (SA); Anis Koubaa, Riyadh (SA); Mohamed Khalaf, Riyadh (SA); Omar Cheikhrouhou, Riyadh (SA)
(73) Assignee: Prince Sultan University, Riyadh (SA)
(21) Appl. No.: 16/733,451
(22) Filed: Jan. 3, 2020

(57) ABSTRACT
A secure system for control of at least one unmanned aerial vehicle (UAV), includes a cloud service and a ground control station. The cloud service includes a cloud-based management service having processing circuitry configured to control communications between the cloud service, the ground control station and the at least one UAV, and control and monitor the at least one UAV by way of a corresponding at least one UAV client device. The UAV client device receives messages from the at least one UAV, sends commands to the at least one UAV, verifies the sender of each of the received messages, creates a new block for each received message and sent commands as new transactions, including performs a consensus algorithm for the new block, determines a consensus to validate the new block, and updates a blockchain with the validated new block.

Publication Classification

(51) Int. Cl. G06G 5/00 (2006.01)
H04L 29/06 (2006.01)
H04L 29/08 (2006.01)
G05D 1/00 (2006.01)
B64C 19/02 (2006.01)
G06F 16/23 (2006.01)





(12) **United States Patent**
Tounsi (10) Patent No.: **US 11,102,698 B2**
(45) Date of Patent: **Aug. 24, 2021**

(54) **TABU NODE SELECTION WITH MINIMUM SPANNING TREE FOR WSNs** (56) **References Cited**
U.S. PATENT DOCUMENTS

(71) Applicant: **Prince Sultan University, Riyadh (SA)** 7,199,055 B2 1/2007 Garcia-Luna-Aceves et al.
7,924,728 B2* 4/2011 Riga G01D 21/00 370,238

(72) Inventor: **Mohamed Tounsi, Riyadh (SA)** (Continued)

(73) Assignee: **Prince Sultan University, Riyadh (SA)** FOREIGN PATENT DOCUMENTS

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 46 days. CN 101827418 B 5/2012
CN 103228023 A 7/2013 (Continued)

(21) Appl. No.: **16/720,893** OTHER PUBLICATIONS

(22) Filed: **Dec. 30, 2019** Ade Goga, et al., "Review of Optimization Problems in Wireless Sensor Networks", Telecommunication Networks—Current Status and Future Trends, www.intechopen.com, Chapter 7, 2012, pp. 153-180. (Continued)

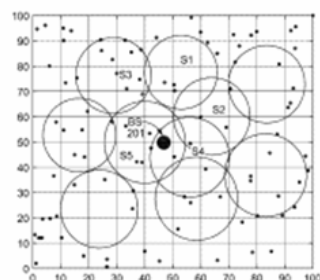
(65) **Prior Publication Data** US 2021/0204190 A1 Jul. 1, 2021

(51) **Int. Cl.** (2009.01)
H04W 40/10 (2009.01)
H04W 84/18 (2009.01)
H04W 40/24 (2009.01)
H04L 12/721 (2013.01)
H04W 4/38 (2018.01) (Continued)

(52) **U.S. Cl.** (2013.01): **H04W 40/10** (2013.01); **H04L 45/22** (2013.01); **H04L 45/48** (2013.01); **H04W 4/38** (2018.02); **H04W 40/24** (2013.01); **H04W 40/28** (2013.01); **H04W 46/18** (2013.01)

(58) **Field of Classification Search** CPC **H04W 40/00**; **H04W 40/24**; **H04W 4/30**; **H04W 84/18**; **H04W 52/04**; **H04W 52/06**; **H04W 52/18**; **H04W 52/38**; **H04L 12/462**; **H04L 45/00**; (Continued)

18 Claims, 21 Drawing Sheets



(12) **United States Patent**
Al-Matouq (10) Patent No.: **US 10,297,353 B1**
(45) Date of Patent: **May 21, 2019**

(54) **ESTIMATION OF GLUCOSE RATE OF APPEARANCE, ENDOGENOUS GLUCOSE PRODUCTION AND INSULIN DEPENDENT GLUCOSE UTILIZATION FROM CONTINUOUS GLUCOSE SENSORS AND SUBCUTANEOUS INSULIN DELIVER** (56) **References Cited**
U.S. PATENT DOCUMENTS

(71) Applicant: **Prince Sultan University, Riyadh (SA)** 2009/0006133 A1* 1/2009 Weinst A61B 5/14532 705,3
2009/0054753 A1* 2/2009 Robinson A61B 5/14503 600,365
2013/0158504 A1* 6/2013 Racki A61M 5/1723 604,504

(72) Inventor: **Ali Ahmed Al-Matouq, Riyadh (SA)** 2015/0359966 A1* 12/2015 Day G16H 20/10 604,506

(73) Assignee: **Prince Sultan University, Riyadh (SA)** 2016/0354543 A1* 12/2016 Cisar A61M 5/1723

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days. * cited by examiner

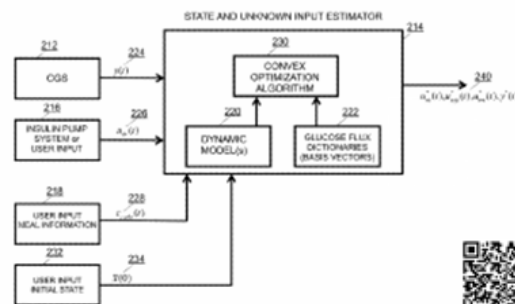
(21) Appl. No.: **15/974,451** Primary Examiner—Jack K. Wang

(22) Filed: **May 8, 2018** (74) Attorney, Agent, or Firm—Steven M. Shapiro, Drenemeyer & Associates, LLC

(57) **ABSTRACT**

Method and system for determining glucose flux profiles in plasma during meals using continuous glucose sensors and insulin delivery. A database of plausible glucose flux profiles is encoded in dictionaries using sparse dictionary learning. A constrained Lasso minimization problem is formed that integrates a transport model for a patient with the dictionaries for estimating the glucose fluxes. Meal carbohydrates consumed by a patient is incorporated in the minimization problem through convex constraints. The estimated glucose fluxes resulting from solving the constrained Lasso minimization problem are glucose rate of appearance from the intestine, endogenous glucose production from the liver and insulin dependent glucose utilization. A method for determining patient carbohydrate to insulin ratio at the time of the meal by calculating the area under the curve of the estimated insulin dependent glucose utilization.

16 Claims, 7 Drawing Sheets



(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau

(43) International Publication Date 31 August 2017 (31.08.2017) WIPO | PCT (10) International Publication Number **WO 2017/145119 A1**

(51) International Patent Classification: **A61B 5/00** (2006.01) **G06F 19/00** (2011.01)
A61B 5/15 (2006.01)

(21) International Application Number: **PCT/IB2017/051100**

(22) International Filing Date: 24 February 2017 (24.02.2017)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data: 62/300,426 26 February 2016 (26.02.2016) US
62/300,438 26 February 2016 (26.02.2016) US

(71) Applicant: **KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY [SA/SA]**; 4700 King Abdullah University of Science and Technology, Thuwal 23955-6900 (SA); **AL-MATOUQ, Ali Ahmed**; Mansur Bin Muhammad, Salah Ad Din, Riyadh 12435 (SA)

Declarations under Rule 4.17:
— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(i))
Published:
— with international search report (Art. 21(3))

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AU, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LV, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(54) Title: **ESTIMATION OF GLUCOSE RATE OF APPEARANCE FROM CGS AND SUBCUTANEOUS INSULIN DELIVERY IN TYPE 1 DIABETES**

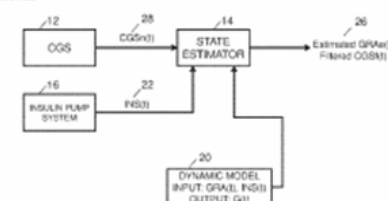


FIG. 1

(57) Abstract: Method and System for providing estimates of Glucose Rate of Appearance from the intestine (GRIA) using continuous glucose sensor measurements (CGS) taken from the subcutaneous of a diabetes patient and the amount of insulin administered to the patient.

External grants

PSU faculty were able to secure external grants from academia and industry.

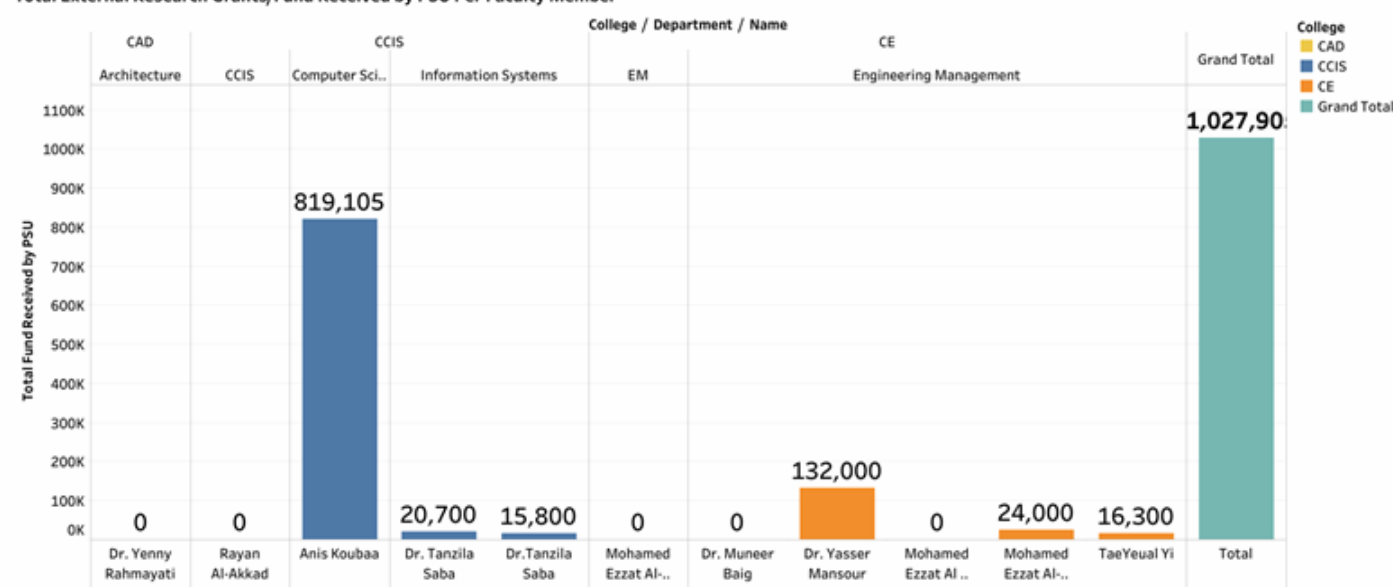
Total External Research Grants/Fund Received by PSU Per Year



Total External Research Grants/Fund Received by PSU Per College Per Year



Total External Research Grants/Fund Received by PSU Per Faculty Member



Innovation



RIC launched the business incubator program. A memorandum of understanding was signed with i-be Business Hub in September to encourage entrepreneurship among students. Two startups are enrolled in the program.

Source: 2021 RIC report

Collaboration with industry

Trimble Signs MOU with Prince Sultan University (Oct. 2021)

Trimble Signs MOU with Prince Sultan University



Prince Sultan University (PSU) in Riyadh, Saudi Arabia, and Trimble Inc. (NASDAQ: TRMB) have recently signed a memorandum of understanding (MOU). The purpose of this MOU is to set forth increased collaboration and cooperation between the College of Engineering at PSU and Trimble to educate the students with advanced 3D BIM Tekla Solutions used in the construction world.

VMware MoU Ceremony

June 08, 2021



Signing of a cooperation agreement between Prince Sultan Schneider Electric University

September 28, 2021





Sustainable Development Report 2021-2022

Reduced Inequalities

Research Policy

PRINCE SULTAN UNIVERSITY
PSU POLICY MANAGEMENT SYSTEM
RESEARCH POLICY

Policy Code: RS0001

Policy Name: Research Policy

Handler: The Research and Initiatives Center

Date Created: 15 August 2020

Date of Current Review: 15 August 2020

Approved by: University Council

Date of Approval:



Research and Initiatives

GOAL 1

Establish an effective research infrastructure

- To expand research facilities and resources

GOAL 2

Provide professional development opportunities for academic and administrative leaders

- To enhance the quality, quantity and impact of research
- To strengthen research collaboration nationally and internationally
- To promote the involvement of undergraduate and postgraduate students in research
- To publish and maintain PSU Research Review

GOAL 3

Contribute to the socioeconomic development of the Kingdom of Saudi Arabia through research and Innovation

- To contribute to the Saudi Arabia Vision 2030 through PSU research activities
- To attract funding opportunities that support innovative ideas and research

Events



كلية العمارة والتصميم
COLLEGE OF ARCHITECTURE AND DESIGN



جامعة الامير سلطان
PRINCE SULTAN
UNIVERSITY

Charitable Day

AT THE ELDERLY HOME



MONDAY, Nov, 7th.
9-11 AM

LOCATION:
HUMAN RESOURCES
AND SOCIAL DEVELOPMENT



JOIN US AND BRING HOPE
AND SMILE TO THE ELDERLY

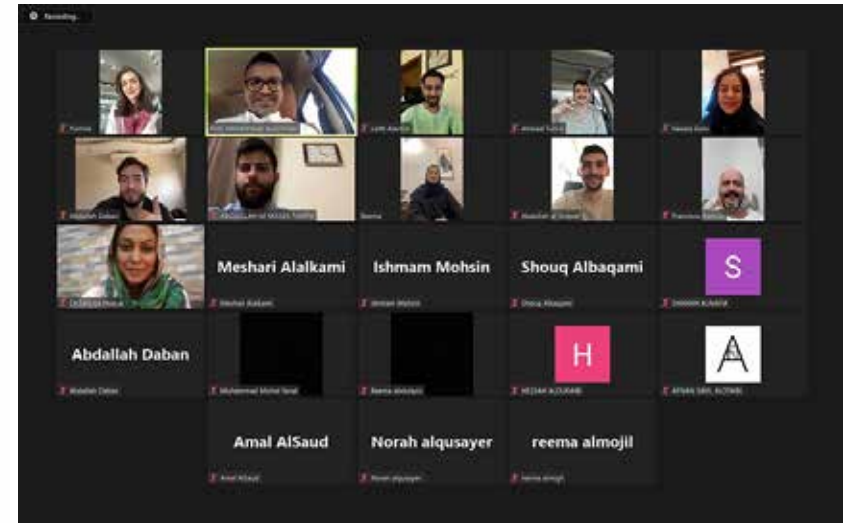
ACTIVITIES YOU CAN PARTICIPATE IN-

- Handcraft (Modelling- sculpture -Painting - Drawing sketches)
- Reading some newspapers and international magazines, listening to some spiritual talks.
- Recreational activities, as using of colors and paintings to develop their understanding of spaces and relationships.

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



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





Sustainable Development Report 2021-2022

Sustainable Cities & Communities

Sustainable cities

Support of arts and heritage

To promote and support Arabic language PSU organizes an award for translating books on a yearly basis. Faculty from all Saudi universities can participate. A similar award is also announced for students.

Prize value
25000 SR
قيمة الجائزة

Application Deadline Extended until 30 August 2022
تتمديد فترة التقديم حتى 30 أغسطس 2022

جائزة جامعة الأمير سلطان للترجمة
أعضاء هيئة التدريس للعام الأكاديمي 2021-2022
PRINCE SULTAN UNIVERSITY TRANSLATION AWARD
For Faculty Members for the Academic Year 2021 - 2022

- The applicant should be faculty member at one of the Saudi university holding a PhD degree in any field
- The applicant should not have received a previous grant or award for the work applied for, and provide proof of that
- It is permissible to submit a translated book that has not been published and does not have prior copyrights. The university may publish the book according to the recommendations of the opinions of the referees and committee members.

أن يكون المتقدم عضو هيئة تدريس في إحدى الجامعات السعودية من حملة درجة الدكتوراه في أية مجال
• ألا يكون المتقدم قد حصل على منحة أو جائزة سابقة عن العمل المتقدم به وتقديم ما يثبت ذلك
• يجوز التقدم بكتاب مترجم لم يتم نشره وليس عليه حقوق نشر مسبقه ويمكن للجامعة نشر الكتاب حسب توصيات أراء المحكمين واعتماد اللجنة.

For more information about the award, please visit the link
<https://www.psu.edu.sa/ar/TAC-award>

For more information about the application requirements and to fill out the application form, please visit the following link

للإطلاع على شروط التقديم وتعبئة استمارة طلب التقديم يرجى زيارة الرابط التالي

Saudi National Day celebrations:

PSU celebrates the Saudi National Day



Source: Taif issue 251

Poetry competition

PSU organized a poetry competition on the occasion of the Saudi national day



Culture preservation

To promote the preservation of Saudi culture, the public relations center organized a lecture by the director of culture preservation.



Sustainable practices

Promote sustainable commuting:

PSU provides bus shuttles from and to faculty housing.



Planning development - new build standards

Green building forum

Planning development - new build standards

News article: The College of Architecture and Design at Prince Sultan University has a sharp focus on national and global sustainability goals, with students and researchers embedding this in their work from inception to creation.



Climate week: Net Zero Emission and Transition Towards Climate-Neutral Economies: The Role of Higher Education and Saudi Vision 2030



Visiting the Exhibition of Projects of Distinguished Cities During the Reign of the Custodian of the two Holy Mosques King Salman bin Abdul Aziz 2022





Sustainable Development Report 2021-2022

Responsible Consumption & Production

Policy Management System - Sustainable Ethical Food Sourcing Policy

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 is the First Saudi University to Pledge Net Zero Carbon University by 2060 Food Sourcing Policy

Official Race to Zero Signatory

We are part of the Race to Zero and are leading the education sector for a healthy and resilient zero carbon recovery in the lead up to COP26!



Race To Zero is a global campaign to rally leadership and support from businesses, cities, regions, investors for a healthy, resilient, zero carbon recovery that prevents future threats, creates decent jobs, and unlocks inclusive, sustainable growth.



1094

Institutions involved

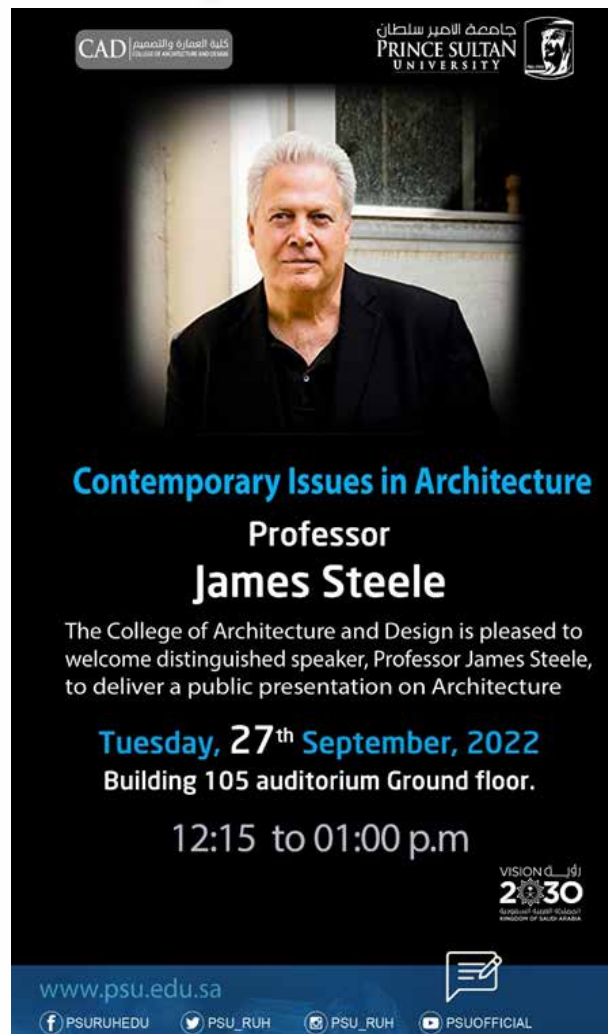


10,634,957

Students represented

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

Net Zero Emission and Transition Towards Climate-Neutral Economies:
The Role of Higher Education and Saudi Vision 2030 Event



CAD كلية العمارة والتصميم
PRINCE SULTAN UNIVERSITY

Contemporary Issues in Architecture
Professor **James Steele**

The College of Architecture and Design is pleased to welcome distinguished speaker, Professor James Steele, to deliver a public presentation on Architecture

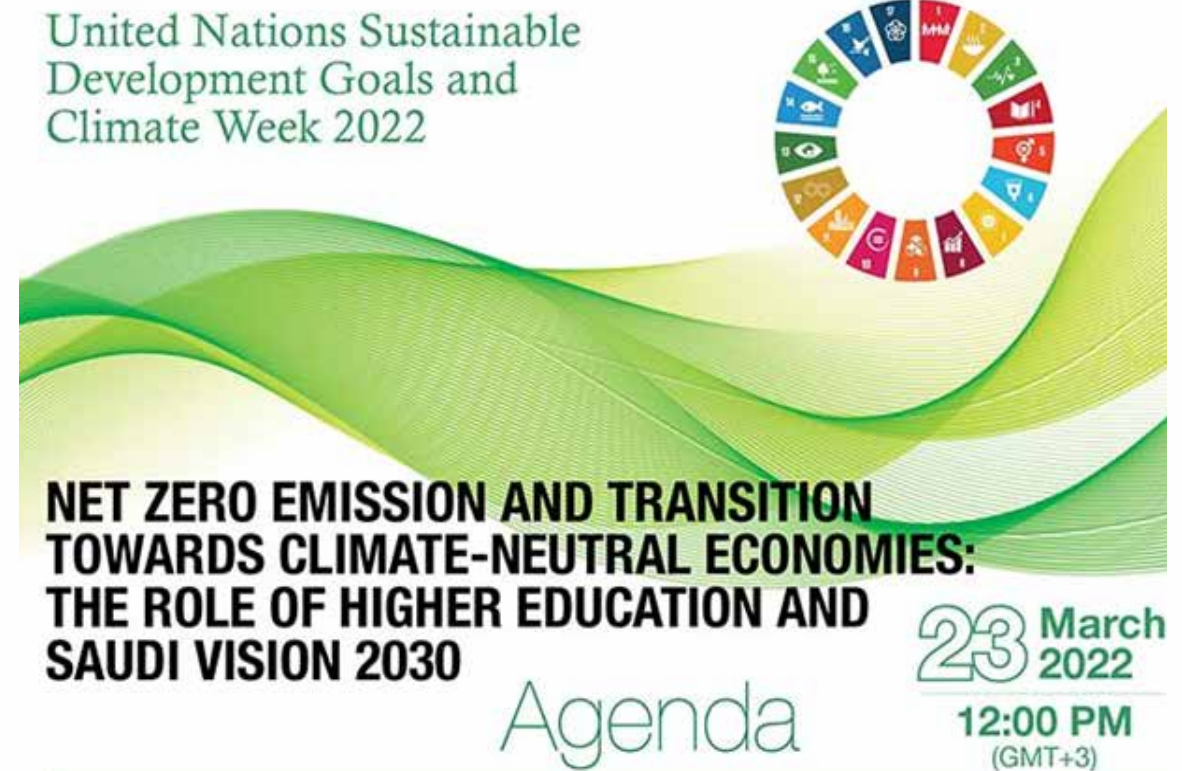
Tuesday, 27th September, 2022
Building 105 auditorium Ground floor.

12:15 to 01:00 p.m

VISION 2030
2030
SAUDI VISION 2030
KINGDOM OF SAUDI ARABIA

www.psu.edu.sa

PSURUHEDU PSU_RUH PSU_RUH PSUOFFICIAL



United Nations Sustainable Development Goals and Climate Week 2022

NET ZERO EMISSION AND TRANSITION TOWARDS CLIMATE-NEUTRAL ECONOMIES: THE ROLE OF HIGHER EDUCATION AND SAUDI VISION 2030

23 March 2022
12:00 PM (GMT+3)

Agenda

PepsiCo partners with Prince Sultan University to educate youth on sustainability



International Conference on Sustainability: Developments and Innovations



International Webinar on Role of Battery Energy Storage Systems in Energy Transition From Fossil Fuels to Renewables



International Webinar on Role of Battery Energy Storage Systems in Energy Transition From Fossil Fuels to Renewables



Eng. Selvakumar
Business Head at POWER
PROJECTS, Chennai,
Tamilnadu, India

Power System is in transition from fossil fuel to renewables for environmental and economic reasons. This Transition results in many challenges to power system design and operation. Frequency regulation, Voltage regulation, Generator ramp up / down requirements, Fault withstand capability, Rigidness of the grid, Protection are few key impacts. There are many Renew alone projects are aimed across the world and in such cases the intensity challenges is extremely high. Energy Storage is the best possible option to resolve the issues and selecting the right type of energy storage is the key. Though they are many energy storage options available Battery energy storage system looks technically feasible and commercially viable at this stage. The session address the key challenges along with solution by from Battery Energy Storage. Session also brings out few real time case study outcome and highlight the simulation requirements at the early stage of the projects to choose the optimal sizing and configuration of BESS.

Date: 3rd March, 2022
Time: 4:30 PM (KSA)



Contact:

Mr. AbdulRahman Almujaheed, 219211224@psu.edu.sa
Mr. Mohammed Alghamdi, 219110748@psu.edu.sa
Dr. Umashankar Subramaniam, usubramaniam@psu.edu.sa
Dr. Mahajan Sagar Bhaskar, smahajan@psu.edu.sa
Dr. Dhafer Almkhles, dalmkhles@psu.edu.sa
Eng. Sivakumar Selvam, sselvam@psu.edu.sa



Scan for
Registration

Principles of green construction design

Principles of GREEN CONSTRUCTION DESIGN

OPEN TO PUBLIC

TUESDAY
23rd Nov 2021,
12-1 pm

Meeting link

Registration link

In its design, construction, or operation, green building fundamentally affects the way we live; consequently, it can positively impact our climate and natural environment by preserving natural resources and reducing and recycling construction waste. Thus, it enhances the well-being of our community and improves our quality of life.

Presenter
Ms. Farah Al-atrache

جامعة الامير سلطان
PRINCE SULTAN
UNIVERSITY

organized by
CIVIL ENGINEERING CLUB IN COLLEGE OF ARCHITECTURAL AND DESIGNS

Recycling Presentation

CHS | كنية الى تساميات والمعلوم
COLLEGE OF HUMANITIES AND SOCIAL SCIENCES

جامعة الامير سلطان
PRINCE SULTAN
UNIVERSITY



Speakers:
Ms. Mahmuda Saydumarova
Mr. Majid Khan

**Tuesday
May 10
2022**

**12:00 to
1:00 PM**

Registration form:
<https://forms.gle/ziSY1UkccxFLTGro9>

Via Google Meet
link: <https://meet.google.com/der-dqjy-cbg>

www.psu.edu.sa

PSURUHEDU PSU_RUH PSUofficial

The Climate Crisis and our Future


جامعة الامير سلطان
PRINCE SULTAN
UNIVERSITY

TLC
Teaching & Learning Center
psu@tlc.psu.edu.sa

In collaboration with College of Law.
Teaching and Learning Center invites you to attend
webinar about

The Climate Crisis and our Future.


Presented by:
Mr. Ahmad Rafay Alam



Mr. Ahmad is a Pakistani environmental lawyer and partner at Saleem, Alam & Co. a law firm. A Yale World Fellow, Mr. Alam has vast experience in environmental law, litigation and regulation and regularly advises governments, international financial institutions and NGOs on environment, water, sustainability, climate change, energy and air quality issues.

**Sunday 6/3/2022
12:00 - 1:00 pm**

For the google meet link
Kindly click on the poster or scan the QR code



Machine Learning: it can't get any easier than this

Plastic Recycling Program – 09/03/2022


MACHINE LEARNING: IT CAN'T GET ANY EASIER THAN THIS!

Monday, November 15th, 2021
12:00 pm - 2:00 pm Riyadh Time

Artificial Intelligence & Data Analytics
AIDA) Lab, Prince Sultan University)
Hosts the Research Guest Lecture
Guest Speaker

DR. KHALED MOHAMAD ALMUSTAFA

Associate Professor, College of Computer & Information Sciences Prince Sultan University, Riyadh, KSA



Bio: Khaled Almustaafa Received his B.E.Sc. in Electrical Engineering, M.E.Sc. and Ph.D. in Wireless Communication from the University of Western Ontario, London, Ontario, Canada in 2003, 2004 and 2007 respectively. He is currently working as an Associate Professor at Prince Sultan University (PSU) in the Department of Information Systems (IS) at the College of Computer Science and Information Sciences (CCIS), Riyadh, K.S.A. He served as a General Supervisor for the Information Technology and Computer Services Center (ITCS) at PSU, Chairman of the Department of Communication and Networks Engineering (CME), and the Vice Dean for the College of Engineering at PSU, the Director of the Research and Initiatives Center at PSU, as well as the CTO at PSU. His research interests include error performance evaluation of MIMO communication systems in partially known channels, adaptive modulation, and Channel Security, text recognition models, control systems with renewable energy applications, Data Preprocessing, as well as Machine Learning and Computer vision.

Abstract: Machine Learning (ML) Applications are one of the most interesting topics nowadays among the Artificial Intelligence (AI) research community, it can get a bit complicated for some of us, since we have no deep background or in depth knowledge about such an important topic, but there are many easy to use tools to give us a chance to contribute to this interesting area of research with build in, and ready to use tools, such as WEKA solution. We will introduce the solution, and most of its functionality in order to demonstrate a fair understanding of a common classification problem using different, well known, and widely used ML classification algorithms, and such an exercise will be done on a selected bioinformatic dataset. Then we will introduce a feature selection method for the features of the used dataset for different classifiers to evaluate the classifiers performance with the selected features, and compare it with the original classification. If time permits, we will educate ourselves with some sensitivity analysis on selected classifiers' parameters in order to see if there is an enhancement of the classifier performance with respect to these parameters. I am not an expert in ML, but I can promise all of you, and by the end of these sessions, with some effort and dedication from your side, a reasonable publishable work can be produced by each one of you.

Google Meet joining Link: <https://meet.google.com/uma-tfxy-hya>
Public lectures at AIDA Lab are free and open to all.
A certificate of attendance will be awarded to the attendees.

Plastic Recycling Program at PSU

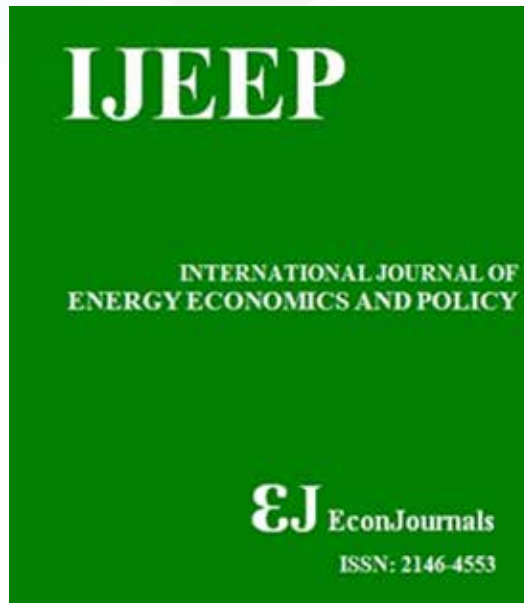


If you are interested in being part of a green university's environment and concerned about plastic pollution! Come to join us in kicking off the recycling program at PSU

📅 : 9th of March
🕒 : 12:30 - 1:30 PM.
📍 : Building 105 Auditorium

Publications



IEEE Xplore®
Digital Library



 Springer Link



iJIM International Journal of
Interactive Mobile Technologies



WILEY



emerald insight





ScienceDirect



Taylor & Francis

Taylor & Francis Group



frontiers





Sustainable Development Report 2021-2022 **Climate Action**

Climate Action

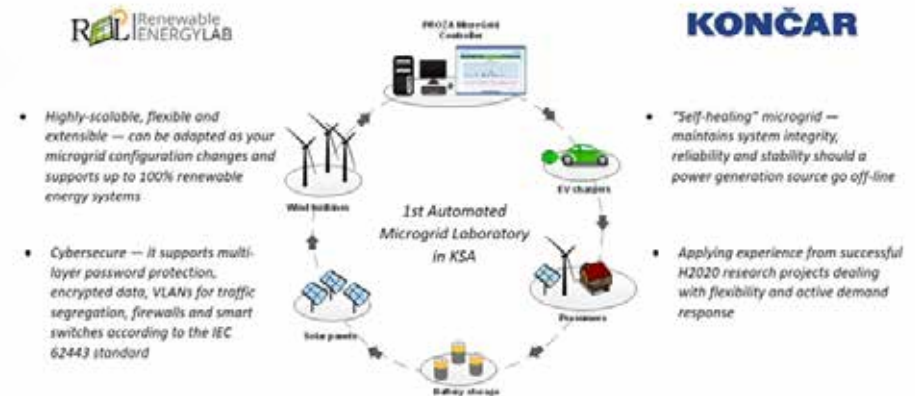
Summary of accomplishments

Prince Sultan University giving much attention on bringing the environment pollution free and contribute towards climate change. As an important stakeholder, PSU contributes towards the achievement of sustainable environment and campus through various events, practices, and research. It regularly organizes events and exhibitions for students and employees to promote the climate change.

The strong commitment can be witnessed from the type of support provided in events related to clean energy, EV and the sustainable practices followed for sustainable PSU campus to promote measures for climate change and research contribution etc. Moreover, the solutions and impacts of climate change is an important topic is endorsed in our curriculum and outreach.

Summary of accomplishments

The **Prince Sultan University** is involved in several industrial collaborations that are leading the way in the search for alternative energy sources. One such example comes from our **Renewable Energy Lab**, who are in cooperation with **Koncar Power Plant Electric Traction, Croatia** for a collaborative project on microgrids test bench for EV charging and renewable energy to combat climate change.



The Prince Sultan University is involved in several industrial collaborations that are leading the way in the search for alternative energy sources. One such example comes from our 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 towards climate change mitigation.

- Introducing custom made techniques for local environment conditions, like robotic panel cleaning etc. as per the SDG 9, 13.
- Setting up a remote monitoring and control station at Renewable Energy Lab for the performance analysis of installed lights.



Research on Climate Action

122 IOP Publishing
I. Series: Earth and Environmental Science 1026 (2022) 012029 doi:10.1088/1755-1315/1026/1/012029

Energy Efficient Outdoor Lighting System Design: Case Study of IT Campus

O.V.Gnana Swathika^{1,2}, K. Karthikeyan³, Umashankar Subramaniam¹, K.T.M. Udayanga Hemapala⁴ and Sagar Mahajan Bhaskar¹

¹School of Electrical Engineering, VIT Chennai, India

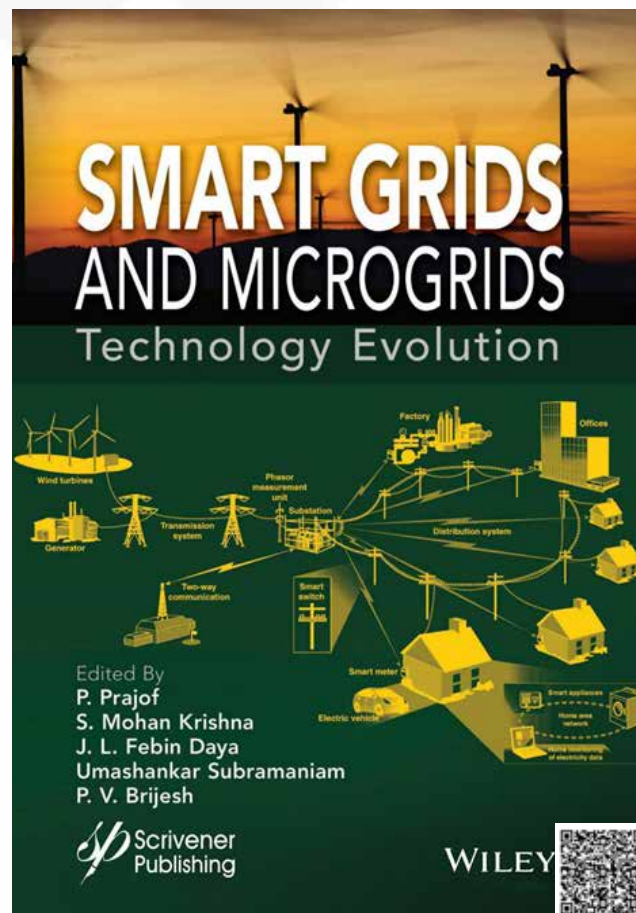
²Larsen & Toubro Pvt. Ltd. India

³Department of Communications and Networks, Renewable Energy Laboratory, College of Engineering, Prince Sultan University, Riyadh 11586, Saudi Arabia

⁴University of Moratuwa, Sri Lanka

* gnanswathika.07@gmail.com

Abstract. Outdoor lighting solutions are a key to safe urbanization. It is important that assessment of lighting is done at the design stage keeping in mind the crucial parameters like environment friendly design, light pollution, and energy efficiency. These crucial parameters are met by meticulously using lighting standards at each and every stage of lighting design. This process further naturally inclines in realizing sustainable lighting solutions for the future generations. In this paper, a case study of an Information Technology (IT) campus which requires suitable outdoor lighting systems is considered. Outdoor lighting is very essential from the security perspective and also for the people and vehicle movement during night time. Hence it is necessary to design and implement an effective lighting system which is necessary to perform extensive lighting calculations and simulation platform.



Solar PV network installation standards and cost estimation guidelines for smart cities

Sushmita Sarkar^a, M.S. Bhaskar^{b,*}, K. Uma Rao^a, Prema V^c, Dhafer Almakhlis^b, Umashankar Subramaniam^b

^aDepartment of Electrical and Electronics Engineering, RV College of Engineering[®], Bengaluru 560019, India

^bRenewable Energy Lab, Department of Communications and Networks Engineering, College of Engineering, Prince Sultan University, Riyadh 11586, Saudi Arabia

^cDepartment of Electrical and Electronics Engineering, R.M.S. College of Engineering, Bengaluru 560019, India

Received 5 March 2021; revised 30 April 2021; accepted 27 June 2021
Available online 7 July 2021

KEYWORDS

PV standards;
International Electrotechnical
Commission (IEC);
Quality certification;
Safety;
Cost

Abstract For smart cities, the successful large scale implementation of solar PV technology. Quality Certification and Standards are mandatory. The International Electrotechnical Commission (IEC) is a global organization for standardization consisting of all IEC national committees. The IEC PV standards comprise IEC technical committee TC solar PV Energy System (IEC TC32) which develops and adopts all Photovoltaic related standards. There are nearly 80 standards applicable to photovoltaic and five working groups in IEC TC32. For necessary safety requirements 'Quality and Standards' technologically need to be revised and up to date. This paper presents PV standards developed by various technical committees worldwide, mainly focusing on various IEC PV standards, gaps identified by them and the recommendations provided by the cost. The breakup costs of the various sub systems of a PV installation with an India is also discussed. It is intended to provide a guideline for consumers as

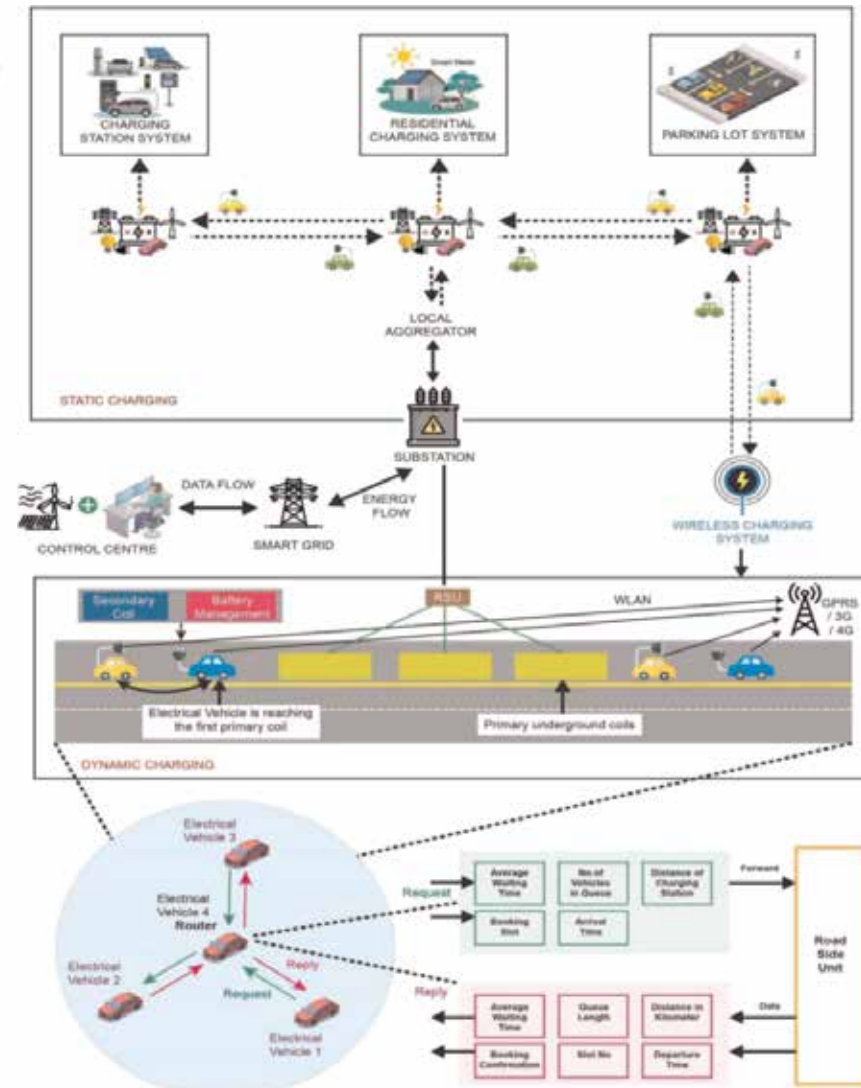


Low-carbon energy use (27%)

The **Prince Sultan University** is involved in several industrial collaborations that are leading the way in the search for alternative energy sources. One such example comes from our **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.

The main objective of the project is to study PSU Lighting electricity network to provide Strategic solutions as per the sustainable development goals (**SDG 12, 13, 17**)

- Introducing custom made techniques for local environment conditions, like robotic panel cleaning etc. as per the SDG 9, 13.
- Setting up a remote monitoring and control station at Renewable Energy Lab for the performance analysis of installed lights.



Intelligent optimization for charging scheduling of electric vehicle

Environmental education measures (23%)

Virtual Conference on Energy, Smart Grid and EV:

Renewable Energy Lab (REL), College of Engineering, Prince Sultan University is organized International Virtual Conference on Recent trends on Renewable Energy, Smart Grid, and Electric Vehicle Charging (RESGEVT-20) on 9th July 2020 as a partner Institution in association with Top ranking universities in the world . VIT University Vellore India is hosting this conference. The Virtual Conference is a platform for researchers, academicians as well as professionals from all over the world to present, discuss and promote the knowledge, research and practice in the field of Smart Grid Control, Renewable Energy Sources, Energy Efficiency, Power Quality and Electric Vehicle Charging to combat climate change.

RESGEVT-20 is offering a fantastic opportunity to attend a global scientific forum from the convenience of your desktop. The conference is online, from paper submission, including reviewing, conference discussion, and post-conference processing. All papers referred to the double tier approval process, single-blind peer-review and regular check. The online conference is a smart and affordable manner of presenting research results.

Selected papers based on the domain and quality published in Scopus Indexed conference proceedings (IOP Conference Series).

Community Event on Wind Energy to the Students, Researchers of Kingdom by REL



The poster features a night-time aerial view of a city skyline with illuminated buildings and roads. On the right side, there is a blue overlay with white text and icons.

IEEE
SAUDI ARABIA SECTION

Dr. Umashankar Subramaniam
Associate professor

Renewable Energy Integration to Electric Vehicle Charging in Smart Grid: A Smart City Perspective

- Saudi Arabia Renewable Potential
- EV Charging Infrastructure
- Smart Grid Equation
- Renewable Energy and Smart Grid
- Sustainable Development Goals and Saudi Vision 2030

Tuesday 9/2 **7:45 PM** **zoom**



Sustainable Development Report 2021-2022

Life Below Water

Life Below Water

Supporting aquatic ecosystems through education

Fresh-water ecosystems (community outreach)

Offer educational programs on fresh-water ecosystems (water irrigation practices, water management/conservation) for local or national communities

Course: CEE 442 Environmental Management

CEE 441 Energy Resources Management

CEE 442 Environmental Management

CEE 443 Leadership in Energy and Environmental Design (LEED)

CEE 444 Solid Waste Management

CEE 446 Air Pollution Management

CEE 447 Groundwater Engineering

Supporting aquatic ecosystems through action

Maintain ecosystems and their biodiversity

Work directly (research and/or engagement with industries) to maintain and extend existing ecosystems and their biodiversity, of both plants and animals, especially ecosystems under threat



Research Article | Published: 04 June 2022

Influence of graphene oxide on the toxicity of polystyrene nanoplastics to the marine microalgae *Picochlorum* sp.

Gamze Yesilay , Layla Hazeem, Mohamed Bououdina, Demet Cetin, Zekiye Suludere, Alexandre Barras & Rabah Boukherroub

Environmental Science and Pollution Research **29**, 75870–75882 (2022) | [Cite this article](#)

340 Accesses | [Metrics](#)

Abstract

Graphene oxide (GO) features distinctive physical and chemical characteristics; therefore, it has been intensively investigated in environmental remediation as a promising material for clean-up of soil contamination and water purification and used as immobilization material. Plastic is a widespread pollutant, and its breakdown products such as nanoplastics should be evaluated for potential harmful effects. This study is aimed to evaluate the effect of GO on the toxicity of polystyrene (PS) NPs to the marine microalgae *Picochlorum* sp. over a period of 4 weeks. The capability of GO to reduce the toxic effects of PS NPs was as



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AIMS Mathematics

2022, Volume 7, Issue 10: 18532–18552. doi: 10.3934/math.20221018

Research article | [Special Issues](#)

[Previous Article](#)

[Next Article](#)

The dynamics of an aquatic ecological model with aggregation, Fear and Harvesting Effects

Ashraf Adnan Thirathar ¹, Salam J. Majeed ², Kamal Shah ^{3,4}, , Thabet Abdeljawad ^{3,5}, 

1. Department of Studies and Planning, University of Fallujah, Anbar, Iraq

2. Department of Mathematics, College of Computer Science and Mathematics, University of Thi-Qar, Iraq

3. Department of Mathematics and Sciences, Prince Sultan University, Riyadh, Saudi Arabia

4. Department of Mathematics, University of Malakand, Chakdara Dir(L), 18000, Khyber Pakhtunkhwa, Pakistan

5. Department of Medical Research, China Medical University, Taichung 40402, Taiwan

Received: 17 June 2022 | Revised: 23 July 2022 | Accepted: 04 August 2022 | Published: 18 August 2022

MSC : 92D40, 90C31, 34C23

Special issue: Mathematical Methods in Biomedical Data Analysis

[Abstract](#)

[Full Text\(HTML\)](#)

[Download PDF](#)

In this paper, we investigate an aquatic ecological model of microcystis aeruginosa-filter feeding fish and predatory fish model with aggregation effect of microcystis aeruginosa. Fear effect of predatory fish on filter feeding fish and harvesting effect of big fish is considered. Mathematical analysis includes two parts. The first is theoretical part, which includes proving the positive and constraining solutions of the model. Also finding equilibrium points and studying their included in this part. In addition, analyzing the local bifurcation of equilibrium points and indicating the is discussed here. On the other hand, the second part contains the numerical simulation of all the theory we compare the numerical values of the conditions obtained in the theoretical part.



Technologies towards aquatic ecosystem damage prevention

Work directly (research and/or engagement with industries) on technologies or practices that enable marine industry to minimise or prevent damage to aquatic ecosystems.

Hindawi
Journal of Nanomaterials
Volume 2022, Article ID 1458442, 14 pages
<https://doi.org/10.1155/2022/1458442>



Research Article

Efficient Removal of Cd (II) from Aquatic Media by Heteronanostructure $\text{MgO@TiO}_2\text{/g-C}_3\text{N}_4$

A. Modwi¹, M. Ismail¹, H. Idriss², M. A. Ben Aissa¹, L. Khezami³,
and M. Bououdina⁴

¹Department of Chemistry, College of Science and Arts, Qassim University, Ar Rass, Saudi Arabia

²Physics Department, College of Science, Imam Mohammad Ibn Saud Islamic University (IMSIU), Riyadh 11623, Saudi Arabia

³Chemistry Department, College of Science, Imam Mohammad Ibn Saud Islamic University (IMSIU), Riyadh 11623, Saudi Arabia

⁴Department of Mathematics and Science, Faculty of Humanities and Sciences, Prince Sultan University, Riyadh, Saudi Arabia

Correspondence should be addressed to A. Modwi; abuelizkh81@gmail.com and L. Khezami; lkhezami@gmail.com

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$\text{MgO@TiO}_2\text{/g-C}_3\text{N}_4$ heteronanostructure was synthesized using a simple ultrasonication technique and assessed potentially to remove Cd (II) from aqueous environments. X-ray diffraction analysis confirms composite formation with mean crystallite size in the range of 4–17 nm while transmission electron microscopy analysis reveals nanosheet-like nanoparticles with the homogeneous elemental distribution. N_2 adsorption-desorption measurements indicate the formation of a mesoporous structure with a BET surface area of about $107 \text{ m}^2/\text{g}$. Fourier-transformed infrared elucidates the presence of O–H, amino groups, triazine, Ti–O vibrations modes. At the same time, X-ray photoelectron spectroscopy analysis manifests the presence of Mg, C, and Ti elements. For aqueous Cd (II) ions, the $\text{MgO@TiO}_2\text{/g-C}_3\text{N}_4$ nanostructure displays a superior adsorption efficiency of 99.94% Cd (II) elimination with an optimum adsorption capacity of 515.86 mg/g in a short duration of 16 min demonstrates the capability of using the $\text{MgO@TiO}_2\text{/g-C}_3\text{N}_4$ nanostructure as an efficient and reusable adsorbent for Cd (II) ions in wastewater treatment and potentially for the removal of other heavy metal ions.





Sustainable Development Report 2021-2022

Life On Land

Supporting land ecosystems through education

Events about sustainable use of land

Support or organise events aimed to promote conservation and sustainable utilisation of the land, including forests and wild land

THE 2ND YOUNG REPORTERS COMPETITION

We are pleased to invite your students to participate by submitting an original written report under one of the following topics:

- 1-Green Initiative in Saudi Arabia**
- 2-Tourism in Saudi Arabia**

Criteria of selection:
- Motivation

Supporting land ecosystems through action

Local biodiversity included in planning and development

Include local biodiversity into any planning and development process (e.g. construction of new buildings)

CAD كلية العمارة والتصميم
COLLEGE OF ARCHITECTURE AND DESIGN

Architecture Club Towards Healing Environment for Hospital Buildings

Presenter: Dr. Eman Sabry

Coordinator: Dr. Salma Dwidar

Date: Thursday 11 th of November 2021

Time: 12:00 to 1:00pm

Location : Online

Link: <https://meet.google.com/npx-ndzk-rzq?authuser=0>

Workshop Registration Link::

Use link or Scan barcode for registration



https://docs.google.com/document/d/1Ro5JyP_8pwOqSTfMoeOPgJ03Mhkyk3OF/edit?usp=sharing&ouid=108789647480683238642&rtoref=true&sd=true



Discription

The internal environment of the hospitals design is considered one of the most complex types of design processes. Recently the interest in improving hospital environments has increased and has become a major focus of the architectural design in order to convert the Hospital building from buildings that provide treatment only to an environment that supports and promotes healing for patients. This lecture aims to highlight the modern trends .In designing the inpatient unit in the hospital to achieve the healing environment



جامعة الامير سلطان
PRINCE SULTAN
UNIVERSITY



Land sensitive waste disposal

Policy on plastic waste reduction

Prince Sultan University
PSU Policy Management Systems
Sustainable Waste Management, Prevention and Disposal Policy

Policy Code: GV0016

Policy Name: Sustainable Waste Management, Prevention and Disposal Policies

Handling Unit: PSU Maintenance Department

Date of Current Revision: August 2020

Approved by: University Council

Date of Approval: 02/09/2020

Purpose and Aims:

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.

Aims:

PSU waste management and disposal policy aims to:

- Build and maintain a safe, healthy green campus
- Apply the appropriate approach and use the proper channels for disposing waste based on its category
- Minimize the use of plastics and reduce plastic waste
- Minimize the use of disposable items
- Adopt energy efficiency standards
- Avoid carbon-intensive industries and similar chemical processes that cause the emission of unhealthy gases
- Measure and monitor the amount of landfill and recycled waste

Categories of waste:

- 1- Landfill solid waste
- 2- Electronic waste
- 3- Paper waste
- 4- Hazardous materials
- 5- Reusable old furniture and equipment
- 6- Plastic waste
- 7- Carbon and unhealthy gas emissions

Policy



PSU maintenance unit is the entity responsible for waste management, prevention and disposing



The maintenance unit establishes the appropriate infrastructure, instructions and guidance for waste management, prevention and disposing.



The maintenance unit applies the appropriate approach and channel for waste disposal based on the waste handling table below



Landfill waste is disposed using services provided by the Municipality waste disposal network



A prevention approach is used to reduce carbon and gas emissions



Other types of waste are disposed in coordination with specialized agencies and charity organizations



The unit regularly measures the amounts of landfill and recycled waste respectively and raises regular reports on these to upper admin departments



The department raises regular reports to the higher administration and the quality assurance office



The quality assurance office is responsible for monitoring performance and KPI's



Sustainable
Development
Report 2021-2022
**Peace, Justice
& Strong
Institutions**

Peace, Justice and Strong Institutions

University governance measures

Elected representation on the university's highest governing body from: students (both undergraduate and graduate), faculty, and staff (non-faculty employees)

Students (both undergraduate and graduate)



Student Council Advisory Board Members

Members	Title
<i>Dr. Yazeed Alfakhri, Dean of Student Affairs,</i>	<i>Chair</i>
<i>Dr. Maha al-maiman, Vice Dean of Student Affairs</i>	<i>Co-Chair</i>
<i>Mr. Yazeed AbuShaea, Student Council Advisor (Male Campus)</i>	<i>Member</i>
<i>Ms. Lama Al-Luhaidan, Student Council Advisor (Female Campus)</i>	<i>Member</i>
<i>Mr. Mohammad AlSultan, Student Council President (Male Campus)</i>	<i>Member</i>
<i>Ms. Raghad Alrakaf, Student Council President (Female Campus)</i>	<i>Member</i>

Digital Media

UX Design Workshop, club Fair, workshop – Basics of Editing in Premiere Pro, Digital Media & HCI Showcase

EdTech Club:

Orientation session, OpenMic session, Emerging Technologies session, KACST internship experience

PSU Toastmasters Club:

Communication and Leadership Skills

Students' union

Union provides support for students



Identify and engage with local stakeholders

PSU has written policies and procedures to identify local stakeholders external to the university and engage with them.

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



Participatory bodies for stakeholder engagement

An offshoot of Prince Sultan University's Industry 4.0 Center, the Prosthetics and Orthotics Center, run in collaboration with Nia Technologies, aims to use the latest technology to serve people with disabilities, says Abdulhakim Almajid, dean of the College of Engineering at PSU.



Prince Sultan University (PSU) in Riyadh, Saudi Arabia, and Trimble Inc. (NASDAQ: TRMB) have recently signed a memorandum of understanding (MOU). The purpose of this MOU is to set forth increased collaboration and cooperation between the College of Engineering at PSU and Trimble to educate the students with advanced 3D BIM Tekla Solutions used in the construction world.

University principles on corruption and bribery

Publish the university's principles and commitments on organized crime, corruption & bribery

Prince Sultan University PSU
Policy Management System
Principles on Organized Crime, Corruption, and Bribery Policy

Policy Code:	GV0013
Policy Name:	Principles on Organized Crime, Corruption, and Bribery 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



PSU Compliance 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 the institutional policies, and advising the management on the possible risks.

Our commitment to acting with integrity in all situations is crucial for us as PSU Compliance Officer and PSU Compliance office to guarantee the trust of the PSU community, the stakeholders, and the society in general.

Academic freedom policy

Have a policy on supporting academic freedom (freedom to choose areas of research and to speak and teach publicly about the area of their research)

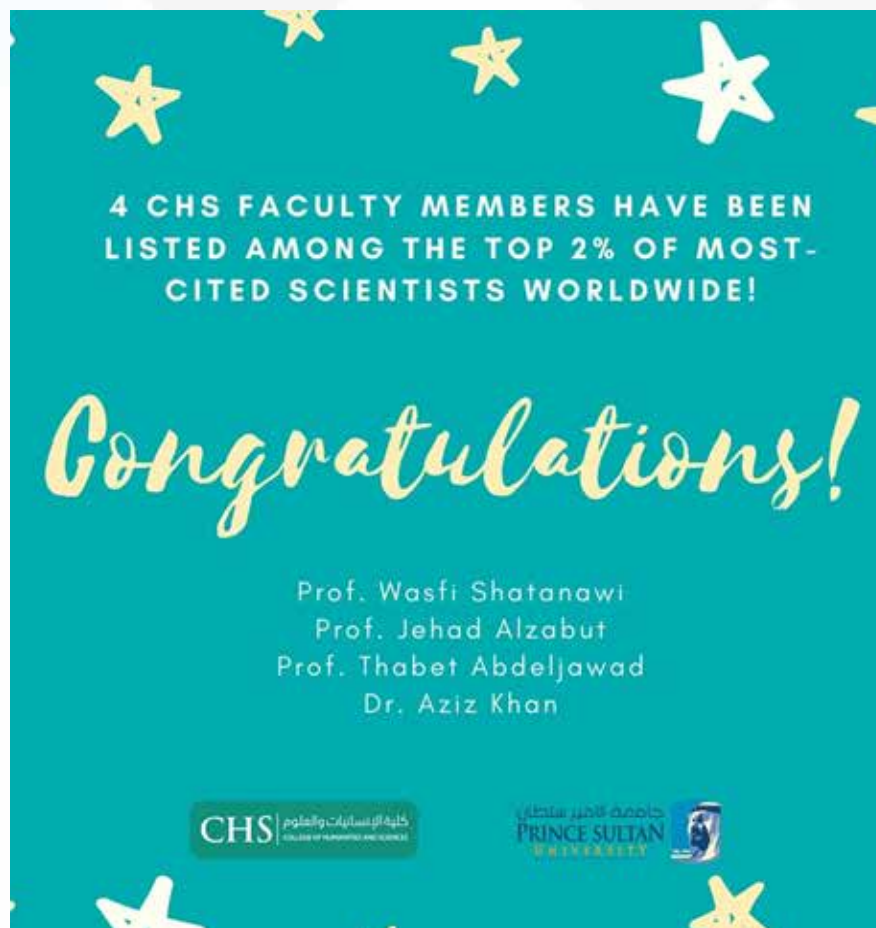
Prince Sultan University PSU
Policy Management System
Academic Freedom Policy

Policy Code:	GV0014
Policy Name:	Academic Freedom 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



The academic freedom is the central right of any academician and an academic institution. Academic freedom is a termed as an open and multi-dimensional deliberation on a topic in an academic context. Prince Sultan University has ethical and legal duty to the develop student's understanding and learning through academic freedom.

Research freedom for senior academics



Prince Sultan University's research excellence strategy pays off



More funding and reduced teaching loads have helped researchers increase their output by 500 per cent

Research freedom for junior academics

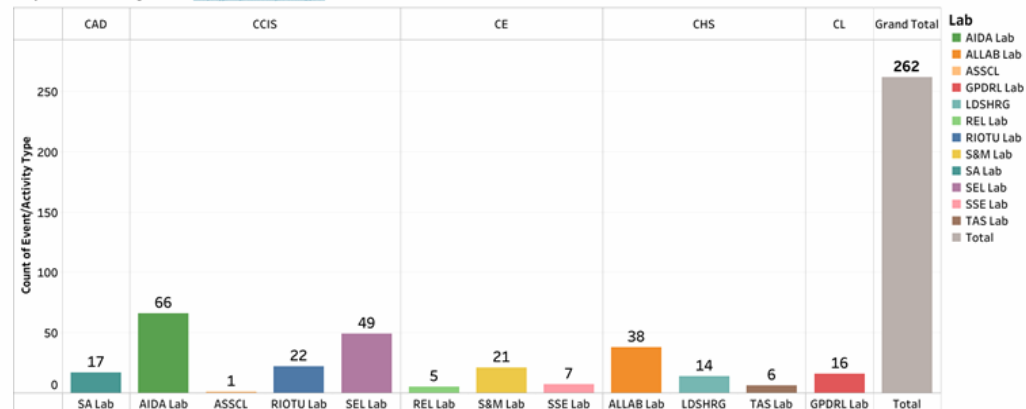
Welcoming Ceremony of GPDRL New Members



Number of Organized Events by PSU Labs Per College in 2020, 2021, 2022

Last updated: 10/25/2022 5:35:02 AM

Add your lab activities through this form: <https://tinyurl.com/vxwmpub>



Teaching freedom for senior academics

**International Seminar on
"Data Protection at the International perspective"**

WEDNESDAY 18th OF MAY 2022, 3:00 - 6:30 PM (KSA TIME)

OPENING ADDRESS: **Dr. Ahmed Yamani**, PSU PRESIDENT



Speakers:
Introductory Note: **Dr. Emna Chikhaoui**, PSU Compliance Officer

& Mr. Jochen Hundt, Chairman of the Board at Hundt Middle East
INTRODUCTION TO PERSONAL DATA PROTECTION LAW (GDPR) IN
SAUDI ARABIA, CURRENT SITUATION AND PRACTICAL CHALLENGES



Keynote speaker: Prof. Abu Bakar Munir Malaysia,
Law Professor, expert and consultant on Cyber Law
and Data Protection Law
THE EUROPEAN, GDPR AND DATA PROTECTION LAWS OF
ASIAN AND GULF COUNTRIES



Desislava Krusteva, Bulgaria
Director Co-Head, Data
Protection, Privacy &
Cybersecurity Practice, Drew &
Napier LLC
DATA PROTECTION IN THE
EUROPEAN PERSPECTIVE



David M. Alfred, Singapore
Director Co-Head, Data Protection,
Privacy & Cybersecurity Practice,
Drew & Napier LLC
DATA PROTECTION IN THE
ASIAN PERSPECTIVE



Victoria Guzman Moros
USA, Attorney
DATA PROTECTION
REGULATIONS IN THE US



Roberto Gutierrez, USA
Chief Information security officer
for the world's leading
foodservice and retail food brands
DATA PROTECTION DATA SECURITY
ISSUE ON IOT DEVICES



Ricardo Colmener
Director ENTRIA CONSULTING,
Houston, USA, IP Expert
DATA PROTECTION CONSIDERATION
IN INTERNATIONAL ARBITRATION



Ricardo Rojas-Gaona
Director, ENTRIA IP, Houston,
USA, IP expert
DATA PROTECTION AND INTELLECTUAL
PROPERTY CONSIDERATIONS FOR
BIOMETRIC-BASED AI INNOVATIONS



Zoom Link:
https://us06web.zoom.us/join/register?WV_P5U5Yk2tFu-YUTD9TUPA



www.psu.edu.sa

 Educational
Research Lab

جامعة الامير سلطان
PRINCE SULTAN
UNIVERSITY

The **Educational Research Lab (ERL)**,
under the guidance of the College
of Humanities and Sciences,
invites to a one-hour motivational
talk, entitled:

**"A Pathway towards Acquiring
Morality."**

Presented by;
(Ms. Nourah Almahmoud)
PSU Senior Student of Finance,
College of Business and
Administration.

 Wednesday,
October 27
@ 7.00 PM

 Via
Google Meet

 Registration



Teaching freedom for junior academics

A workshop on "Cisco Packet Tracer and Wireshark" for PSU students by CME & Smart Systems Engineering Lab - March 30th and 31st, 2022



AI&GameDev Showcase



{CS} Department of Computer Science invites you to the
AI & GameDev Showcase
18th May, 2022

12-1 PM

B-105, 2nd-floor auditorium



Working with government

Provide expert advice to local, regional or national government through policy guidance, participation in committees, provision of evidence.

The President of Prince Sultan University participates in a session in The International Conference & Exhibition for Education 2022

DAY THREE:	Tuesday, 10 May 2022
14:45 - 16:15	SESSION THREE: Financing and Investment in Education




H.E. Dr. Ahmed S. Al-Yamani
President, Prince Sultan University,
Kingdom of Saudi Arabia

Presentation Title:
Privatization and its Role in Raising the Quality of Higher Education

International Conference and Exhibition for Education 2022	
DAY THREE:	Tuesday, 10 May 2022
14:45 - 16:15	SESSION THREE: Financing and Investment in Education



Moderator
Mr. Mohammed Ali Al-Bishi
Editor of economy and business news in "Economy of the East with Bloomberg" in KSA Kingdom of Saudi Arabia



H.E. Dr. Hindi Abdullah Al-Suhaimi
Assistant Minister of Finance
Kingdom of Saudi Arabia

Presentation Title:
The role of Ministry of Finance in supporting Education Sectors



H.E. Dr. Khalid Abdulrahman Alhamoudi
President - Dar AlUloom
Kingdom of Saudi Arabia

Presentation Title:
Methods for Sustaining Non-profit Education



H.E. Dr. Ahmed S. Al-Yamani
President, Prince Sultan University, Kingdom of Saudi Arabia

Presentation Title:
Privatization and its Role in Raising the Quality of Higher Education



Prof. Dr. Zeger Degraeve
Dean
MBS College
Belgium

Presentation Title:
World-class Business Schools: Sources and Uses of Financing



Prof. Nora Ann Colton
Director, UCL Global Business School for Health, UCL, United Kingdom

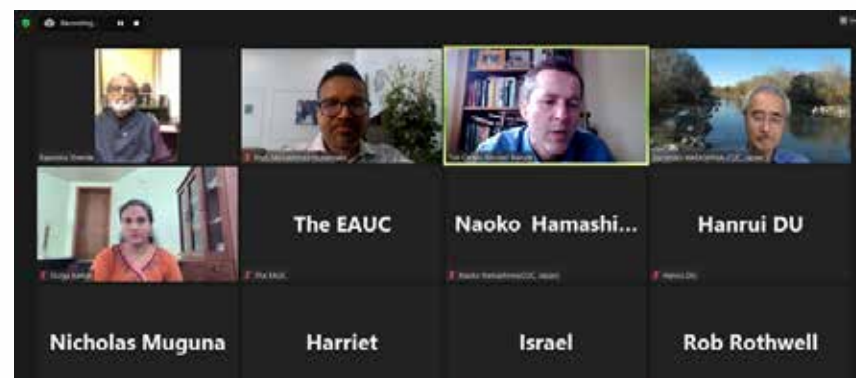
Presentation Title:
Revenue Diversification in Higher Education Institutions: Challenges and Opportunities

Professor Mohammad Nurunnabi participated as a speaker in United Nations Environment Programme - UNEP YEA! Global Summit 2022.



BOOK A FREE PLACE: WWW.YEAGLOBALSUMMIT.ORG

PARTNERS:



Neutral platform to discuss issues

Provide a neutral platform and 'safe' space for different political stakeholders to come together to frankly discuss challenges



A delegation from the Ministry of Human Resources and Social Development visits the university to discuss means of cooperation between the two parties. His Excellency Dr. Ahmed Al Yamani, University President, received a delegation from the Ministry of Human Resources and Social Development headed by Undersecretary for Labor Affairs and Chairman of the Employment Working Group, Dr. Ahmed Al-Zahrani, to discuss means of cooperation between the two parties.

Prince Sultan University held the International Conference on Sustainability: Developments and Innovations





Sustainable Development Report 2020 **Partnerships for the Goals**

Relationships to support the goals

Relationships with regional NGOs and government for SDG policy

PSU has direct involvement in, or input into, national government or regional non-government organisations, SDG policy development - including identifying problems and challenges, developing policies and strategies, modelling likely futures with and without interventions, monitoring and reporting on interventions, and enabling adaptive management. Each year PSU submits relevant data to Ministry of Education and ETEC; Policy Papers and Cooperation with Emerald.

Relationships with regional NGOs and government for SDG policy



Cross sectoral dialogue about SDGs

Initiate and participate in cross-sectoral dialogue about the SDGs, e.g. conferences involving government or NGOs

PSU organizes international conferences and include topical SDG issues. Policy forum and discussion involving government/NGOs/ international stakeholders.

Net Zero Emission and Transition Towards Climate-Neutral Economies: The Role of Higher Education and Saudi Vision 2030

Global Distinguished Speakers



Professor Wendy Purcell
Harvard T.H. Chan School of Public Health, Harvard University, United States



Professor Nora Colton
Inaugural Director of the UCL Global Business School for Health (GBSH), University College London (UCL), United Kingdom

23 March 2022
12:00 PM
(GMT+3)



Ms. Henrietta Trippett
Policy Advisor Climate Change – Foreign Commonwealth and Development Office (FCDO), Riyadh, Saudi Arabia



Ms. Moekti Handayani Soejachmoen
Co-Founder & Executive Director, Indonesia Research Institute for Decarbonization (IRID), Lead Co-chair – Task Force 3, Taz Indonesia 2022



Mr. Iain Patten
CEO, EAUC – The Alliance for Sustainability Leadership in Education, United Kingdom



Ms. Fiona Goodwin
Deputy CEO, EAUC & Secretariat for the Race to Zero for Universities and Colleges



Mr. Ramiro Fernandez
Director, Climate Champions Team, United Nations Framework Convention on Climate Change (UNFCCC)



Dr. Ahmed S Yamani
President, Prince Sultan University, Saudi Arabia



Professor Mohammad Nurumabi
FIAA/ACad, SPHEA, FRSA, CMSE, CMA, FPA, FPPA, CPA, Aide to the President and Chair in Accounting, Prince Sultan University



Mr. Tarek Alkhoury
Resource Efficiency Regional Coordinator – UNEP (United Nations Environment Programme) West Asia Office, Bahrain



Mr. Duncan Ross
Chief Data Officer, THE (Times Higher Education), United Kingdom

United Nations Sustainable Development Goals and Climate Week 2022



NET ZERO EMISSION AND TRANSITION TOWARDS CLIMATE-NEUTRAL ECONOMIES: THE ROLE OF HIGHER EDUCATION AND SAUDI VISION 2030

Agenda

23 March 2022
12:00 PM
(GMT+3)



Official Race to Zero Signatory

We are part of the Race to Zero and are leading the education sector for a healthy and resilient post carbon recovery in the Middle East region



www.psu.edu.sa

PSURUHEDU PSU_RUH PSU_RUH PSUOfficial

International collaboration data gathering for SDG

Participate in international collaboration on gathering or measuring data for the SDGs. PSU has international collaboration with several universities to gather or measure the data related to the SDGs

Global Index for Health and Well-being Survey 2021

We are proud to announce that we have joined the Global Education Policy Network (GEPN), a global think tank led by Prince Sultan University and The State University of New York at Buffalo.

With the aim of providing policy guidance for educational institutions, governments and international organizations. GEPN seeks to collect information on the health and well-being of students in higher education in light of the Covid19 pandemic and is connected to the UN Sustainable Development Goals (SDG 3 - Health).

In order to establish a precise picture as to how the COVID-19 pandemic affected university students in particular, it is important to better understand the health and wellbeing of students. The Global Index for Health and Well-being will help policymakers to create a national and global framework on students' health and well-being concerns.

Are you a University Student?

Take the survey

Help us establish a precise picture as to how the COVID-19 pandemic affected university students so that we can provide policy guidance for educational institutions, governments and international organizations that reflect the reality of the students of today!

GLOBAL EDUCATION POLICY NETWORK
PRINCE SULTAN UNIVERSITY
University at Buffalo
The State University of New York
Hofstede Insights
SUSTAINABLE DEVELOPMENT GOALS

Partners

A consortium of partners is involved in this project, scan the **QR code** to learn more about our partners.



Collaboration for SDG best practice

Through international collaboration and research, review comparative approaches and develop international best practice on tackling the SDGs. PSU has international collaboration and research. In research, we focus on review comparative approaches and develop international best practice on tackling the SDGs

Impact of COVID-19: How CEOs Respond to SMEs Recovery Planning in Saudi Arabia



Businesses have been forced to find creative and innovative ways of addressing some of the great challenges facing our world resulting from COVID-19 pandemic. This report presents an analysis of the findings from the interviews of chief executive officers (CEOs) of 111 small and medium enterprises (SMEs) in Saudi Arabia. Three key areas are highlighted: a) challenges that SMEs in Saudi Arabian businesses are facing due to the COVID-19 pandemic;

b) the impact of the COVID-19 health crisis on their businesses; and c) their recovery plans to sustain in their business. The outcome of the findings offers a broader understanding of how a wide-ranging of innovative ideas associated with an organisation's desire for improving its efficiency, effectiveness and value creation for customers and other stakeholders such as government and the community.



Collaboration with NGOs for SDGs

Collaborate with NGOs to tackle the SDGs through: student volunteering programmes, research programmes, or development of educational resources.

PSU has collaboration with NGOs to tackle the SDGs through: student volunteering programmes, research programmes, or development of educational resources. Students participate in local and international forums. Our researchers also collaborate with international researchers focusing on SDGs.



Act on
Environment and
Climate



Build Youth
Sustainable
Community



Collaborate,
Change and Impact
the Community

Student volunteering programmes

Research programmes

Development of educational
resources



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.

Our SDG Club Governance



Yumna Alnadeem
President



Meshari Samir Alalkami
President



Abdullah Dabaan
Vice President



**Aljoaharah Dhafir Saad
Alshahrani**
Vice President



Reema Saleh I Alhudhaif
Student Advisor Lead



Renad Mohammed Algarni
Vice President



Laith Alamro
Marketing Director



Dimah Waleed Alharkan
Marketing Director



Rahf Aloubal
Event & Community Impact
Director



Shahah Alnafia
Event & Community Impact
Director



Rawan Alnafeesah

Event & Community Impact
Director



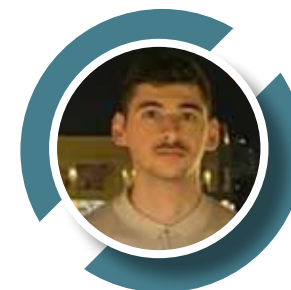
Amal AlSaud

Event & Community Impact
Director



Mashael Almualam

Event & Community Impact
Director



Abdullah Al Shawaf

Event & Community Impact
Director



Danah Dkiel

Event & Community Impact
Director



**Saud Abdulrahman
Almogbel**

Event & Community
Impact Director



Aljwhrah Albegami

Event & Community
Impact Director



AlDanah Alhokair

Event & Community
Impact Director



Muzen Al-Assaf

Event & Community
Impact Director



Amena Abdul Naseer

Event & Community
Impact Director



Norah Alqusayer

Event & Community
Impact Director

Our SDG Club Members and Our SDG Club Faculty Advisors



Prof. Mohammad Nurunnabi
Director



Dr. Sanjida Haque
Associate Director



Dr. Enis Omerovic
Faculty Advisor



Dr. Zainab Rawshdeh
Faculty Advisor



Prof. Francisco Bastida
Faculty Advisor



Ms. Fawzia Gonie
Faculty Advisor

Education for the SDGs

Education for SDGs commitment to meaningful education

All programs of PSU have a meaningful commitment to meaningful education around the SDGs. Have a commitment to meaningful education around the SDGs across the university, relevant and applicable to all students



Education integrated across full curriculum



Mandatory education for all



Optional education for all







Course Specifications

Course Title:	Legal Environment of Business
Course Code:	BUS 221
Program:	Bachelor of Science (Finance) Bachelor of Science (Accounting) Bachelor of Science (Marketing)
Department:	Aviation and Management
College:	College of Business Administration
Institution:	Prince Sultan University



Education for SDGs specific courses on sustainability

Have dedicated courses (full degrees, or electives) that address sustainability and the SDGs.

Education for SDGs in the wider community

Have dedicated outreach educational activities for the wider community, which could include alumni, local residents, displaced people



Alumni



Local community

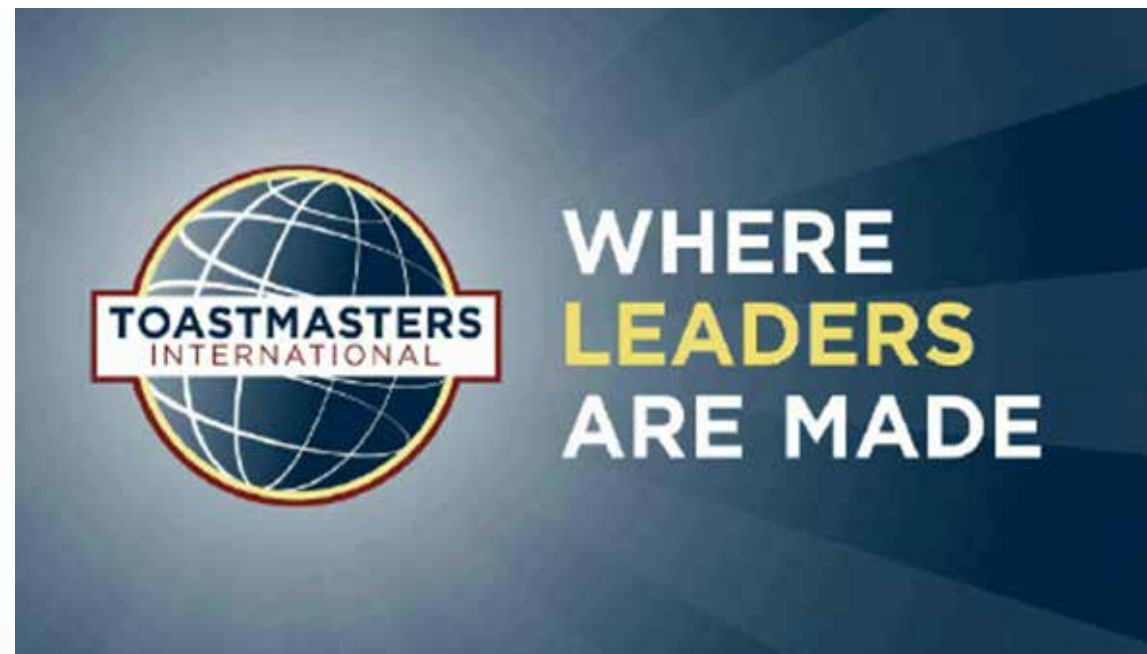


Displaced people and refugees



Alumni

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



Local community

Professor Mohammad Nurunnabi participated as a speaker in Saudi Youth for Sustainability Conference 2022



Professor Mohammad Nurunnabi PhD (Edinburgh), FAIA(Acad), SFHEA, FRSA, CMBE, CMA, FFA, FIPA, CPA from Prince Sultan University was a distinguished speaker at the Inaugural Conference of Saudi Youth for Sustainability themed Thriving Together - King Abdullah University of Science and Technology (KAUST), Saudi Arabia.

Professor Mohammad Nurunnabi discussed "Re-imagining the Role of Education on Sustainability" and highlighted that collective efforts from all Saudi Universities will accomplish Vision 2030 and Saudi Green Initiative towards a sustainable future of Saudi Arabia.



Displaced people and refugees

Professor Mohammad Nurunnabi participated as a speaker in United Nations Environment Programme - UNEP YEA! Global Summit 2022

Professor Mohammad Nurunnabi PhD (Edinburgh), FAIA(Acad), SFHEA, FRSA, CMBE, CMA, FFA, FIPA, CPA from Prince Sultan University was a distinguished speaker in the session titled – “Continue the conversation with critical questions and ambition for Race to Zero Universities and Colleges”.



Professor Mohammad Nurunnabi discussed “Re-imagining the Role of Education on Sustainability” and highlighted that Prince Sultan University in Saudi Arabia has been taking impactful steps towards achieving the UN’s SDGs, and has the kingdom’s own Vision 2030 in its sights. Universities’ ability to demonstrate their social and environmental impact is more important than ever and, consequently, an increasing number of institutions now benchmark their impact against the United Nations Sustainable Development Goals (SDGs). Prince Sultan University (PSU) in Saudi Arabia is no exception and places Sustainable Development Goals at the heart of its mission. It has singled out a number of SDGs it feels to be most important to its student body, community and the future of the kingdom. 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.

