

Sustainable Development REPORT 2020



Summary

Prince Sultan University, an University with potential for excellence, is committed to innovate, implement and collaborate with all its stakeholders, government, corporate, other educational institutions and the global community to achieve United Nations' Sustainable Development Goals (SDGs). With a vibrant team of researchers, academicians, faculty members, students, staff and support from the government, PSU is at the forefront in achieving the intended goals. Sustainable Development report 2020 provides an overview of initiatives taken by PSU towards achieving UN SDGs 2030.

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Our Team & Key contact

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

About PSU

Prince Sultan College was founded in 1998 and opened its doors to students the following year. The Ministry of Higher Education PSC was promoted to Prince Sultan University in 2003. It was inaugurated by HRH Crown Prince Sultan bin Abdul Aziz Al-Saud who was the Deputy Premier, Minister of Defense and Inspector General. PSU is a non-profit institutions established in Riyadh by the Al-Riyadh Philanthropic Society for Science and licensed by the Ministry of Higher Education.

Vision

Prince Sultan University aspires to become the leading, non-profit, private university in the Middle East, providing a quality education equal to other reputable universities in the world.

Mission

Prince Sultan University aims to provide the Middle East with a quality education to the highest international standards. In its efforts towards a successful and responsible life-long learning, PSU integrates modern technology, pedagogy and human values for the advancement of scientific research, productivity and leadership towards a more meaningful social life. PSU is committed to effective management of institutional resources to optimize its multiple roles as catalyst for new learning opportunities, national and international partnerships, continuous studies, professional growth, community service and diversity in educational horizons for the good of humanity.

SDGs at PSU

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 shall undertake the following activities: form higher and steering committees, evaluate each SDG, formulate and develop related SDG policies, conduct awareness campaigns to the PSU community, establish a sustainability office, identify the SDGs related to each college, program, and course, and lab centers at PSU, and implement sustainability-related initiatives.

Vision

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

Mission

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

Sustainable Development Report 2020

No Poverty



No Poverty ■

Sustainable Development Goals (SDG) were designed to achieve a sustainable future for global community. These SDGs address the world-wide challenges that we face day-by-day, among which some are related to poverty, inequality, climate change, environmental degradation, peace, and justice. It is worth noting that the 17 SDGs are all linked among each other and is expected to attain all the goals within 2030.

Prince Sultan University (PSU) aligned its strategy, internal policies, and governance to embrace and implement the SDGs and is already contributing to the development of first goal i.e., No Poverty. PSU's correspondence to the policies of Kingdom of Saudi Arabia, to eradicate poverty within its borders and beyond them, is twofold. These efforts stem from a sense of moral and humane responsibility which is manifested in the Kingdom's humanitarian assistance to developing nations across the globe, the ones that are most often stricken with poverty, as well as to international organizations battling poverty. Internally, the Kingdom strives to lighten the economic load on Saudi citizens and provides financial assistance to low- and mid-income families, in addition to supporting charity organizations, housing projects, and increasing allowances for widows and orphans.

Saudi Arabia initiatives and projects to stop Poverty:

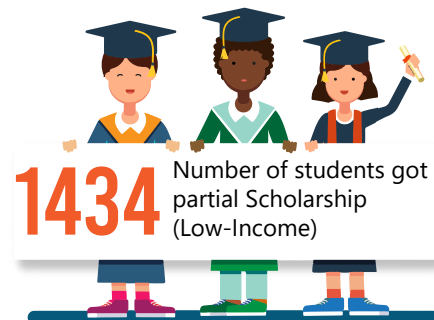
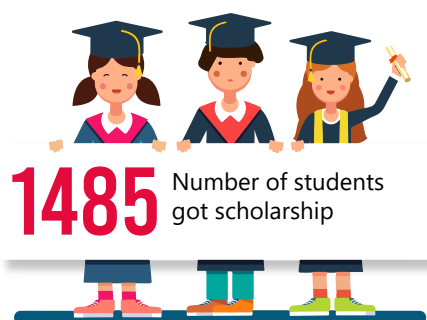
PSU is collaborating with charity committee for orphans care for providing quality education to orphans.



Metrics ■

Proportion of poor students receiving financial aid to attend university

The proportion of students who got scholarship based on low income was attractive. Students who cannot afford their educational expenses are financially nurtured by PSU throughout the completion of degree.



Source: Academic Year 2020



Community anti-poverty programmes

PSU is committed to provide financial assistance to its students who are willing to invest their future in local start-ups / business and become entrepreneurs

Local start-up financial assistance



In local start-ups of business/ entrepreneurship, PSU is committed to provide financial assistance to its students.

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



Monsha'at "Small or Medium Enterprises General Authority" (SMEs) provides job opportunities for Saudi people and foster economic empowerment for youth and women. They contribute to the growth and diversity of the economy. Also, they are critical to reduce poverty and contribute to rural and regional development. SMEs can significantly increase their contribution to exports (faster than large corporations). Furthermore, they allow the exploration of new areas of innovation, graduate new champions and enable national entrepreneurs by building strengthened supply chain and increased competitiveness.



Programs for services access

ELITE is a unique platform designed to help the UK's most exciting and ambitious private companies prepare and structure their next stage of growth. It facilitates structured engagement amongst the UK's most exciting private growth companies, entrepreneurs, and business leaders as well as the corporate advisory and investor community.



ELITE is a three-part service of education, business support, mentoring, and access delivered in collaboration with Imperial College Business School. There were 50 attendees and 20 companies in overall.

Elite Launching Ceremony:

The opening ceremony marked a pivotal moment in Saudi Arabia as Prince Sultan University was the first to partner with Elite (UK Company), in collaboration with Monshaat, to train small and medium enterprises and provide the tools to thrive and grow. The attendees included companies such as Ernst & Young, Riyad Bank, KPMG, PWC, Falcom, and Tadawul. Dr. Ahmed AlYamani, President of PSU and Dr. Rimah AlYahya, Vice President of PSU - Women Campus were also in attendance.

Program: First Cohort

- Module 1: Growth Strategy
- Module 2: Managing Talent
- Module 3: Evaluation for Financial Needs
- Module 4: Governance
- Module 5: IPO
- Module 6: Growing your Business: Marketing
- Module 7: Your Growth Story

Program: Second Cohort

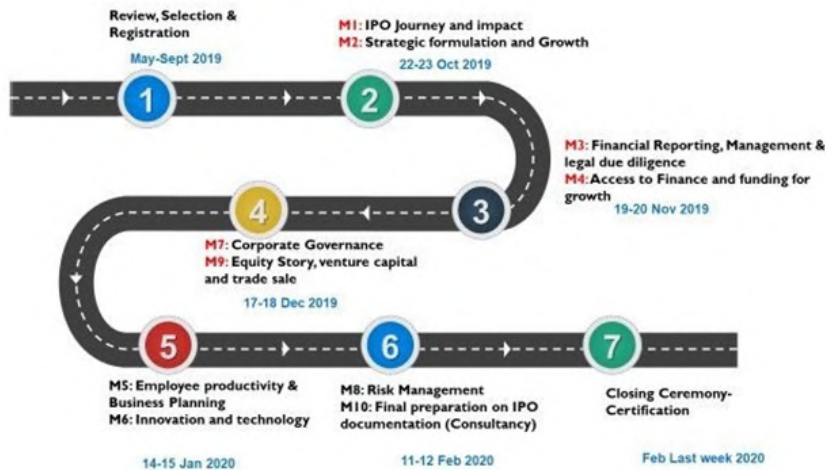
- Module 1: Growth Strategy
- Module 2: Managing Talent
- Module 3: Evaluation for Financial Needs
- Module 4: Governance
- Module 5: IPO Model
- Module 6: Growing your Business: Marketing
- Module 7: Your Growth Story



Goal in action



TIMELINE COHORT 3 (Oct 2019 – Feb 2020)



Sustainable Development Report 2020

Zero Hunger



Metric

Student Hunger

Sustainable food choices on campus



Healthy and affordable food choices



National hunger

Access to food security knowledge



Events for local farmers and food producers



Sustainable Development Report 2020

Good Health and Well-being

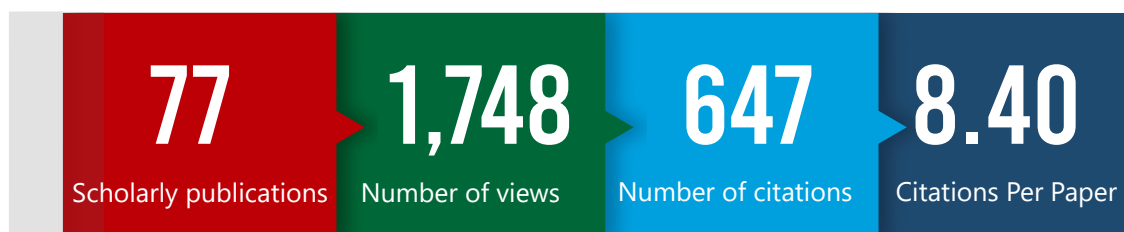


Good health and well-being ■

Prince Sultan University is fully committed to good health and wellbeing which is clearly reflected on different fronts. On research front, the university faculty members produce quality research on health issues from different perspectives, particularly computer science and engineering. PSU has entered into collaborations with local and global health institutions. For example, the university's prosthetics centre collaborates with Sultan Bin Abdulaziz Humanitarian City in Saudi Arabia and Nia Technologies Incorporation in Canada. The university also pays great attention to the health of its students and staff through wide range of policies, services and activities. Few such instances are smoke-free policy, mental health support through counselling offices at both male and female campuses, arrangement of campus visits by different hospitals and health centres to raise awareness of important health issues, such as diabetes, breast cancer, drug abuse, etc. The university extends its services to the local community to improve health and well-being through different strategies such as organizing blood donation campaigns, visiting hospitals and schools by outreach committees, holding mental health awareness sessions from Psychology Club and providing sports training through physical education clubs. The university makes its sports facilities including swimming pools, basketball and volleyball courts and football pitches, accessible to the local community in pre-scheduled programs. Additionally, the university arranges regular sports competitions for schools and other institutions and offers special sports training programs for different age groups.

Metrics ■

Research on Good health and well-being



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.





Collaborations and health services ■

Current collaborations with health institutions



نظمها نادي (YDA) بالجامعة في مبنى السنة التحضيرية

حملة للتبرع بالدم لمدة ثلاثة أيام

كفء: سليمان الجبر
نظم نادي YDA بالجامعة ولدة ثلاثة أيام حملة للتبرع بالدم أقيمت في مبنى السنة التحضيرية بالتعاون مع مستشفى الجامعة وتطبيق "واين" وخدمات القهوة وعصير الشاي ومخازن السموية وجبل الطب للمستحضرات الطبية وسيرل بروتوكول. وتأتي هذه الحملة التي تحرص الجامعة على تنظيمها كل عام، والتي لقيت إقبالاً كبيراً من منسوبيها وأساتذتها وطلابها انطلاقاً من مسؤوليتها الاجتماعية.

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 Not-Profit Corporations Act.

(Nia)



(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;



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 بمحض الله وتوفيقه توقيع هذه الاتفاقية بمدينة الرياض

بين شكل من:-

١- مؤسسة سلطان بن عبد العزيز آل سعود الخيرية ومقرها الرياض وعنوانها ص ب ٦٤٤٠٠ الرياض ١١٥٢٦ ويمثلها في التوقيع على هذه الاتفاقية صاحب السمو الملكي الأمير فيصل بن سلطان بن عبدالعزيز بصفته الأمين العام ويشار إليها فيما بعد (طرف أول).

٢- جامعة الأمير سلطان ومقرها الرياض وعنوانها ص ب ٦٦٨٢٢ الرياض ١١٥٨٦ ويمثلها في التوقيع على هذه الاتفاقية صاحب السمو الأمير الدكتور عبدالعزيز بن محمد بن عياف بصفته رئيس مجلس الأمناء ويشار إليها فيما بعد (طرف ثاني).

أقر الطرفان إعلان باهليتهما المعتمدة شرعاً ونظاماً على التقاد والتصرف واتفقا على ما يلي:

تهدف:

حيث أن الطرف الثاني يقدم خدماته في مجال التعليم - وحيث أن الطرف الأول جهة تهدف إلى دعم المنظمات غير الربحية بغية تطوير الخدمات المستدامة والمشاركة - التي تهدف إلى دعم أفراد المجتمع للمحيطينهم من تنمية مجتمعاتهم المحلية - وحيث سبق للطرف الأول توقيع اتفاقيات تعاون مختلفة مع الطرف الثاني ويرغب حالياً في





Health outreach programmes



Academic field trip to college of medicine, King Khalid Hospital Riyadh KSA



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 1:00 PM. 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 deputed. 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 Khoslam, Dr. Elham Dannoun, Dr. Fahda AlThonyan and members of outreach committee: Dr. Seema Gul, Dr. Noor Hameeduddin, 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.

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

The meeting between library staff and the NCAAA external reviewers for the IDC program accreditation went well. Two female reviewers were quite impressed by the library collections, services and equipment during their tour around the library on Feb 3rd, 2020. Kudos to the library staff.



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.



Smoke-free policy

The university makes sure that all its shareholders such as (faculty, staff, students, scholars, supportive staff and visitors) follow strict rules and make PSU, a smoke-free campus.





Shared sports facilities

Prince Sultan University
Women's Campus
Health and Physical Education Department

Invites you to watch and support

4TH WOMEN'S BASKETBALL TOURNAMENT

"Train Believe, Achieve"

with

PSU Falcons
KSU Capital
PNU Titanium
AOU Wolves

March 5, 8, 12 and 15, 2020
Sports Building, PSU Women's Campus
5:00-7:00 pm

PHYSICAL EDUCATION ACTIVITIES TERM 191

SCHEDULE

ACTIVITY	DAY	TIME	VENUE
Basketball	Thursday	2-5 PM	S808
Volleyball	Monday & Wednesday	12-1 PM	S808
Indoor Soccer	Sunday Tuesday Thursday	12-1 PM 4-5 PM 1-2 PM	S808
Badminton	Sunday Thursday	4-5 PM 12-1 PM	S8 08
Handball	Tuesday	12-1 PM	S8 08
Bowling	Sunday & Wednesday Tuesday	12-1 PM 11 AM-12 PM	S803
Yoga	Sunday	12-1 PM	S806
Fitness	Sunday	2-3 PM	S806
Zumba	Tuesday	12-1 PM	S806
Aqua-aerobics	Monday	12-1 PM	S201
Nutrition Consultation	Monday to Wednesday	12-1 PM	S313

JOIN US!!!

Don't forget to wear appropriate sports attire...

PHYSICAL EDUCATION WEEK 2019

MOTHER + KIDS FUN DAY

at PSU WOMEN'S BASKETBALL GYM

FILLED WITH FUN GAMES AND PRIZES FOR ALL MOTHERS AND KIDS!

THURSDAY MARCH 21 04-6 PM

ENJOY & HAVE FUN!!!

Mental health support

LEARNING THROUGH SHARING EXPERIENCES AND DISCUSSION FOR SOLUTION

21st of June 8-9 PM

SOURCES OF ANGER AND ITS MANAGEMENT WORKSHOP

PRESENTER: MS. GHAZALA IMRAN
FELLOW HEA UK FACULTY DES PSU
COORDINATOR STUDENTS AFFAIR PYP, DES
COORDINATOR PSYCHOLOGY CLUB & SLEC

<https://meet.google.com/ndg-guiz-rfr?authuser=2>

TLC Teaching & Learning Center

SPONSORED BY: Psychology Club

PRINCE SULTAN UNIVERSITY

WORKSHOP For Students

"Self-help techniques to control nervousness and panics in exams"

FOR MALE AND FEMALE

SUNDAY 1st MARCH, 2020
VENUE: Prince Sultan Hall / from 12:00 to 1:00 PM

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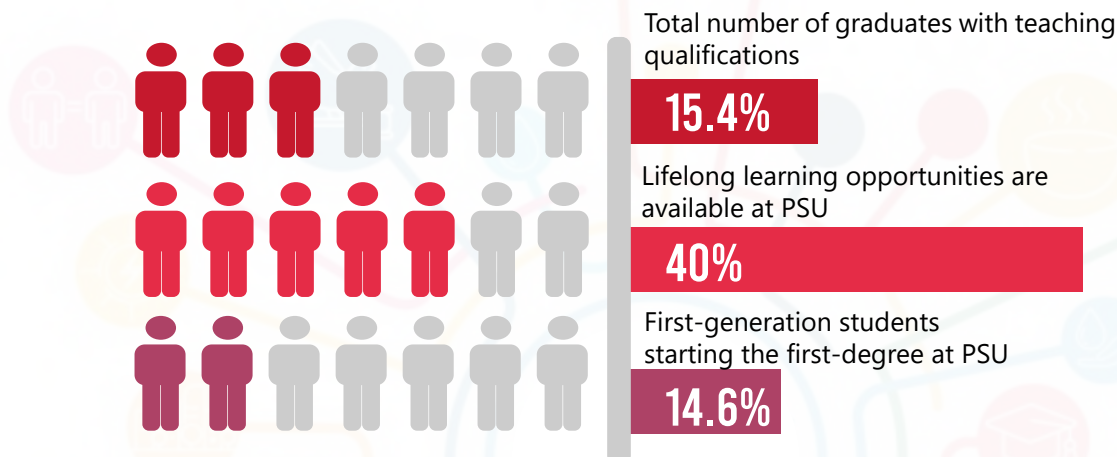
Quality Education



Quality Education ■

PSU is committed to the United Nations' Sustainable Development Goals (SDGs), the 4th goal being quality education. With the goal in place, the members of PSU community is toiling hard which is visible through the outcomes that the university accomplished. PSU follows a certain metrics to measure such milestones. Here is an overview of activities accomplished by the university.

Overview of activities accomplished by the university



Source: Academic Year 2020

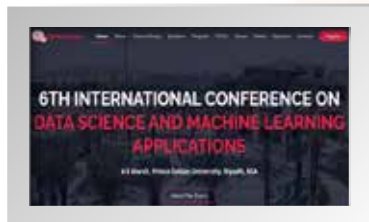
Achievements ■

CDMA2020: The 6th International Conference on Data Science and Machine Learning Applications

CDMA2020, the 6th edition of 'International Conference on Data Science and Machine Learning Applications' is aimed to gather researchers and Applications developers from a wide range of Data Science related areas such as data analytics, computational intelligence, machine learning, deep learning, pattern recognition, databases, Big Data and Visualization. The Conference will provide opportunities for technical collaboration among data science and machine learning researchers, developers and practitioners in Saudi Arabia, GCC countries and Middle-East region. Acceptance will be based primarily on originality, significance and quality of contribution. All submissions will undergo a blind peer review process before acceptance and possible inclusion in the proceedings of the conference.

Venue: Prince Sultan University, Riyadh, Saudi Arabia

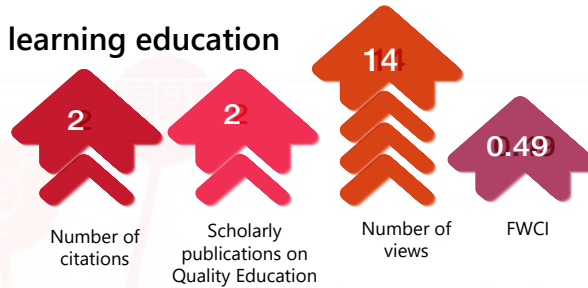
Date : Wednesday – Thursday (4th - 5th March, 2020)



Metrics

Research on early years and lifelong learning education

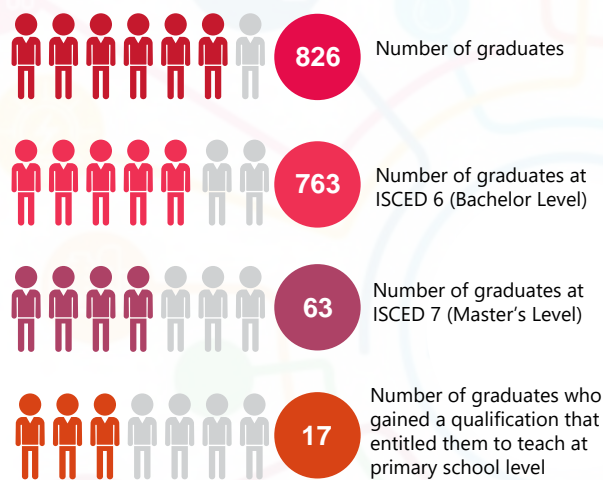
This focuses on research that is relevant to pedagogy, measuring paper views, the proportion of papers in the top 10 per cent of cited journals and the volume of research produced.



Source: Academic Year 2020

Proportion of graduates with teaching qualification

In order to understand how a university is supporting early years education, this measures the proportion of university graduates who receive a degree that would enable them to teach at primary school level in their country. Since PSU does not have a college of education, the number is focused on college of humanities graduates who were qualified to teach English as foreign languages. The number reflects the graduates who has Teaching English as a Foreign Languages (TEFL).



Source: Academic Year 2020

Lifelong learning measures

The PSU community is driven by a shared purpose: to make a better world through education, research, and innovation. We are fun and quirky, inventive and artistic, obsessed with numbers, and welcoming to talented people. PSU Mission states "Prince Sultan University aims to provide the Middle East with a quality education to the highest international standards. In its efforts towards a successful and responsible life-long learning, PSU integrates modern technology, pedagogy and human values for the advancement of scientific research, productivity and leadership towards a more meaningful social life.

- Public resources (lifelong learning)** 01. PSU provides Free Access for those not studying at the university
- Public events (lifelong learning)** 02. PSU provides educational activities that are open to the general public on programmed basis
- Vocational training events (lifelong learning)** 03. PSU provides vocational training events that are open to the general public on programmed basis
- Education outreach activities beyond campus** 04. PSU provides outreach activities in the local community on programmed basis
- Lifelong learning access policy** 05. PSU has a policy that ensures that access to these activities is accessible to all, regardless of ethnicity, religion, disability or gender

Source: Academic Year 2020

Proportion of first-generation students

This focuses on research that is relevant to pedagogy, measuring paper views, the proportion of papers in the top 10 per cent of cited journals and the volume of research produced.

**518**

Number of
students starting
a degree

**76**

Number of
first-generation
students starting
a degree

Source: Academic Year 2020

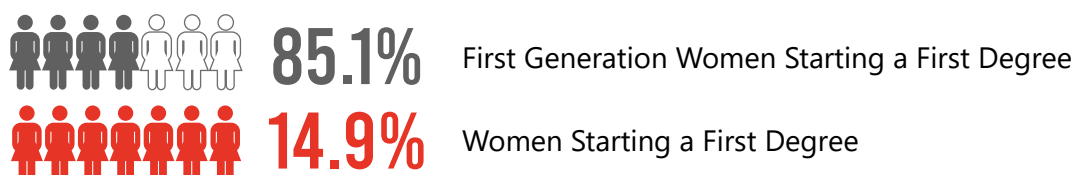


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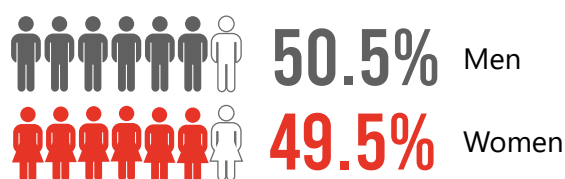
Gender Equality



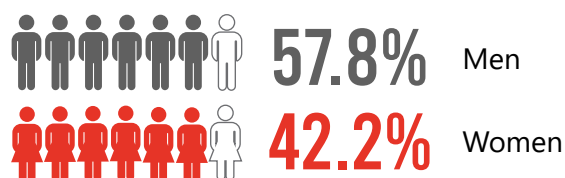
Proportion of First Generation Women Starting a First Degree



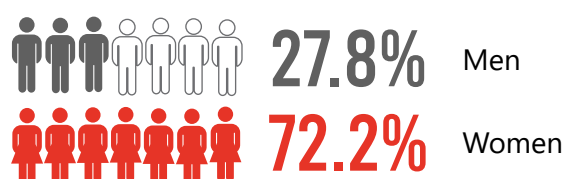
Proportion of Women in Senior Positions



First Degree Graduates - STEM



First Degree Graduates - Arts, Humanities and Social Sciences



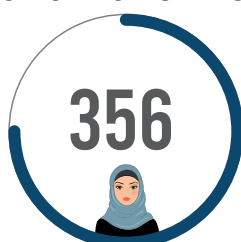
Source: Academic Year 2020

Proportion of graduates with teaching qualification

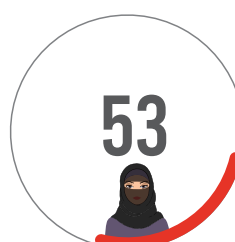
Among PSU' total number of students starting a degree, 63.7% are women. Moreover, the female first – generation students stating a degree is 14.9% from the total number of female students starting a degree.



Proportion of women first- generation



Number of women starting a degree

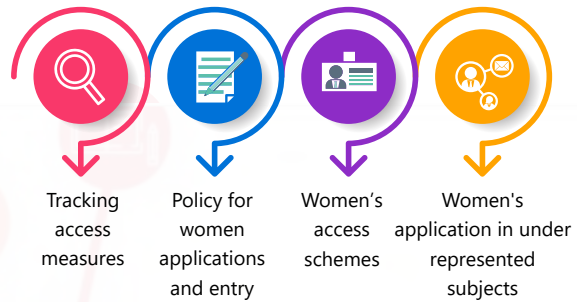


Number of first-generation women starting a degree

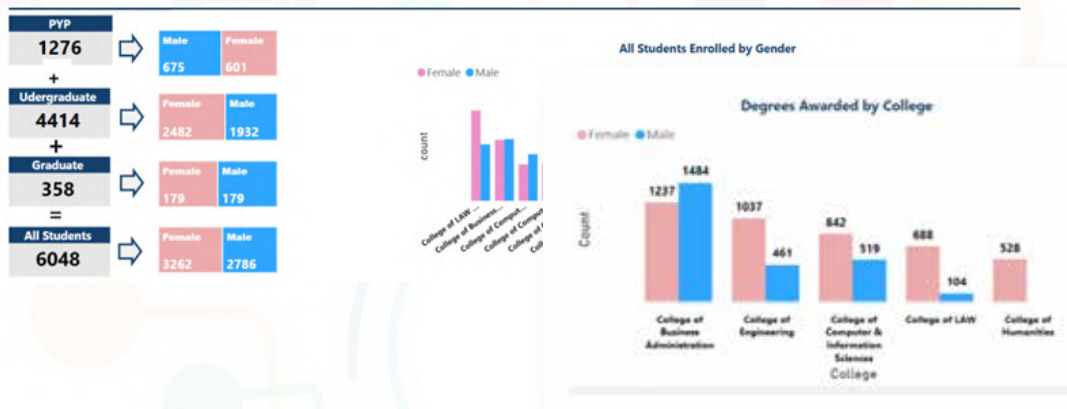
Source: Academic Year 2020

Student access measures

PSU systematically tracks and has clear policies for application, acceptance and completion rates for female students. PSU also provides appropriate women's access schemes and encourages applications in areas where women are under-represented.



1. Tracking access measures



2. Policy for women applications and entry

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

Purpose

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

Definitions

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

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

Policy Statement

- Prince Sultan University is an equal-opportunity institute that strongly prohibits all forms of discrimination based on gender, race, ethnicity, religion, nationality, or disability.
- All university services, facilities and opportunities are equally accessible by all members and candidates based only on merit, eligibility and credentials.

- Services include, but not limited to, admission, registration, placement, scholarship, mentorship, recruitment, subscriptions, complaints, appeals, plus other similar categories.
- Facilities include classrooms, labs, meeting rooms, sporting facilities and other similar resources.
- Participation in all university activities is open for all members of the university based on eligibility and qualifications.
- Activities include, but not limited to, learning, teaching, mentoring, and research.
- Eligibility is based on the rules of university, and member specialization, department, scheduling and other regulatory measures.
- PSU applies the same pay scale for both female and male faculty and non-academic employees. Salaries and allowances are based on the description of the job and position irrespective of the gender
- To maintain a healthy campus, PSU strongly prohibits all forms of harassment, verbal, physical or using social media and similar channels.
- All violations related to harassment should be reported to the PSU disciplinary office.

Reporting Violations

- University members are required and encouraged to report violations of this policy to the "Engagement, Diversity and Accessibility Committee".
- The Engagement, Diversity and Accessibility committee shall investigate cases, recommend the appropriate actions, and raise the matter to the university disciplinary committee or the responsible party.
- Harassment violations should be reported to the Disciplinary Council

Implementation

- The "Engagement, Diversity and Accessibility Committee" will be responsible for the implementation of this policy.
- It is recommended that this policy is referenced by all other service policies and guidelines.
- The committee is responsible for raising awareness and protection of members who report violations.

3. Women's access schemes

منحتك بانتظارك
2022 - 2021
للمام الدراسي ١٤٤٢ - ١٤٤٣ هـ

50%
تعرف على المنح التعليمية المقدمة من
جامعة الأمير سلطان للعام الجامعي 2022

85%
للطلبة
السعوديين

90%
للطلبة
غير السعوديين

المدسة المدنية والبيئية
المدسة الكهربائية
المدسة الإنتاج والتصنيع

الأكاديمية
تواريخ مهمة للمنح التعليمية
الأحد 25/07/2021
آخر موعد لتقديم على المنح التعليمية
الأربعاء 28/07/2021
إعلان أسماء الطلبة المقبولين الحاصلين على منح تعليمية
الأحد 15/08/2021
آخر موعد لعدد ماغ ضمان المنحة (5000 ريال) غير مسدد
ويتم التقييم من ضمن الرسوم الدراسية
آخر موعد لتسليم أصول الشكايات
وستسقط المنحة عند عدم سداد ماغ ضمان المنحة
أو عدم تسليم أصول الشكايات

مقدار المنحة 50%

إجراءات القبول بالجامعة
1 زيارة موقع القبول والتسجيل لمعرفة شروط القبول واستيفائها. (رابط القبول والتسجيل) <https://edugate.psu.edu.sa>
2 التسجيل في الموقع والحصول على رقم طلب.
3 الحصول على الرقم الجامعي.

إجراءات القبول بالمنح
1 بعد حصولك على الرقم الجامعي ترحب بك في برنامج المنح التعليمية.
2 التقديم على المنح من خلال الرابط (<http://info.psu.edu.sa/myscholarship>)
3 إعلان أسماء الطلبة المقبولين الحاصلين على منح تعليمية الأربعاء 28/07/2021

منحتك بانتظارك
2022 - 2021
للمام الدراسي ١٤٤٢ - ١٤٤٣ هـ

50%
تعرف على المنح التعليمية المقدمة من
جامعة الأمير سلطان للعام الجامعي 2022

<http://info.psu.edu.sa/myscholarship/ScholarshipCalculator.aspx>

للتواصل 011 4948109 - 4948929 esp@psu.edu.sa www.psu.edu.sa

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.

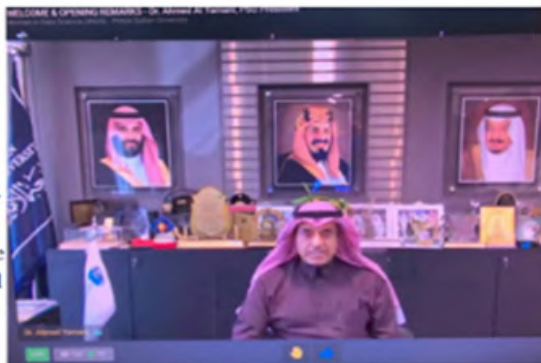
If you face any problem, please feel free to contact us through E-mail (Miras@psu.edu.sa). Your Email should include an explanation of the nature of your problem along with your name and your student ID. Miras Portal: <https://info.psu.edu.sa/pscw/miras/Default.aspx>.

4. Women's application in underrepresented subjects



Women in Data Science Prince Sultan University

Prince Sultan University represented by Artificial Intelligence and Data Analytics research lab (AIDA) organized the Fourth Women in Data Science (WiDS) Conference on March 8, 2021. This conference is organized in collaboration with Stanford University, aims to foster interest and professional participation by women in not only data science but also in engineering and computer science as a whole. PSU WiDS will bring together high-profile international researchers and industry pioneers. Prince Sultan University (PSU) is the WiDS Ambassador, for Stanford and the conference aims to expose the latest data science research and practices in the Arab Middle East by promoting the exchange of ideas, encouraging mentorship, and interdisciplinary collaboration.



Four WiDS C...
auda...
more...
regio...
conc...
grou...

IMPACT OF COVID-19 ON WOMEN AND ROLE OF DATA SCIENCE-PAN



- Dr. Seema Gul, Assistant Professor Psychology, Deanship of education Services University - Moderator
- Dr. Vassalou Evangelia MD, PhD,
- Dr. Amna Mahmood, Dean, faculty of social sciences International Islamic U

bitious, aspiring, aggressive,
momentum and energy to a

THEMES FOR WIDS 2021

- Track I: Data Science and Artificial Intelligence during COVID 19
- Track II: Data Science in Law, Business, Urban Infrastructure, and Digital Humanities
- Track III: Latest Trends and Techniques in Data Science

Event Statistics

- Number of attendees: 1426
- Total Likes: 17880
- Total Messages Public: 769
- Total Questions Asked: 93
- Nos of Meetings done in the public lounge: 384
- Open Table Watch: 72
- Nos of Meetings done in exhibitor lounge: 453

An insightful talk about:
How AI can help to solve real-world challenges

Monday, November 9, 2020
6:00-7:00 PM

AI, Natural Language Processing, Computer Vision applications in the following projects:

1. Using AI to analyse Domestic Violence during COVID
2. Using AI to detect rooftops for solar panel instalments
3. Using AI to detect waterbodies to prevent Malaria

Ms. Harini Suresh
Data Scientist,
Women AI Academy & Consulting

Google meet link: <https://meet.google.com/nak-ehc-jws>
Audience: Open to the public

CCIS

Certificates of attendance will be issued



جامعة الأمير سلطان
PRINCE SULTAN
UNIVERSITY

AIDA
Artificial Intelligence
& Data Analytics Lab

WIMLDS

An insightful talk about: Bring Your Models to Life - Understanding the Tools that exist for ML Deployment

Wednesday, December 2, 2020
6:00-7:00 PM Riyadh Time

An overview of the different tools that exist for deploying machine learning models and when to use them.
A deep dive on Mia Platform that allows users to easily run machine learning models interactively on the web in a matter of minutes through a simple, no-code application interface

MS. SAMANTHA WALKER
Consultant, BuildIt,
Founder of Mia Platform

Certificates of attendance will be issued
Audience: Open to the public

Google meet link:
<https://meet.google.com/rwu-zdyj-xyt>

CCIS

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PRINCE SULTAN
UNIVERSITY

AIDA
Artificial Intelligence
& Data Analytics Lab

WIMLDS

IS PUBLIC SPEAKING A NIGHTMARE TO YOU? JOIN THE WEBINAR TO PUT AN END TO IT!

Speaker: Hiba Shabrouq

Hiba Shabrouq is an international awards winning woman in business with years of experience in the fields of business solutions consultation and product management in the telecom industry. Added her experience to her telecom engineering and business entrepreneurship studies, she became an international public speaker who spoke over TEDx, Microsoft HQ, LinkedIn HQ, Juniper HQ, Autodesk HQ, IEEE/Women in Engineering and other stages, in front of royalties, business and political members. She was prestigiously named as an "Employee of the year" in 2018, a "Woman in Business", a "TechWomen fellow" and a "Woman Ambassador".
If you want to know more, you can visit <https://hibashabrouq.com>

جامعة الأمير سلطان
PRINCE SULTAN
UNIVERSITY

AIDA
Artificial Intelligence
& Data Analytics Lab

WIMLDS

AI Boot Camp Series Python Learning

A gateway from Basic, Data Visualization and Model prediction to be a Data Analyst, Modeler and Predictor

The Participants will be equipped with the program in Python and providing facility to learn strong Data Visualization, Data Analysis, Data Modeling Prediction. They will get a broader coverage of plotly library and an overview of seaborn and 5 packages for statistical Data Modeling.
Main Themes are:
Python Basic, Data Visualization

09 sessions | 03 weeks
14th August - 6th September, 2020
Registration Fee: 3005 SAR

Ms. Erum Afzal
Trainer

Registration Link:
<https://forms.gle/ZbVU5G8eF8KNGGK5>

جامعة الأمير سلطان
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UNIVERSITY

AIDA
Artificial Intelligence
& Data Analytics Lab

WIMLDS

PREDICTING POLLUTANT DRIVEN DISEASES THROUGH AI

* Certificate of attendance will be awarded

31 MARCH 2021 | 12:00 PM to 01:00 PM

SPEAKERS
MS. GEETHANJALI RATTULA & MS. DURGA PRIYA KUMAR

Venue
Google Meet



جامعة الأمير سلطان
PRINCE SULTAN
UNIVERSITY

AIDA
Artificial Intelligence
& Data Analytics Lab

CCIS

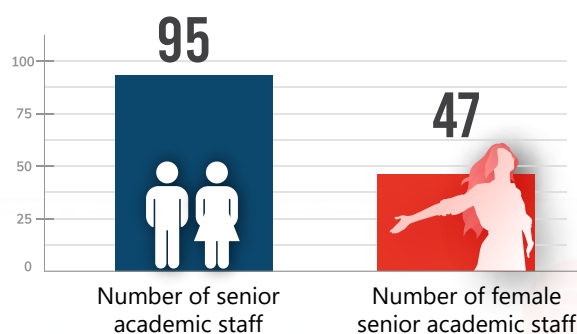
DATA SCIENCE & ANALYTICS MASTER COURSE

Module 1: Python Course: From Basic to Advance Level
Module 2: Analytics & Visualization (Python, BI, Tableau)
Module 3: Machine Learning & NLP
Module 4: Advance ML and Deep Learning
Module 5: Setting UP GitHub and maintaining the portfolio

Applications:
Timeseries, Interactive Chatbot/Dash Board & Sentimental Analysis

For details visit:
<https://bit.ly/2GNLQ81>

www.DSML.org



Proportion of senior female academics

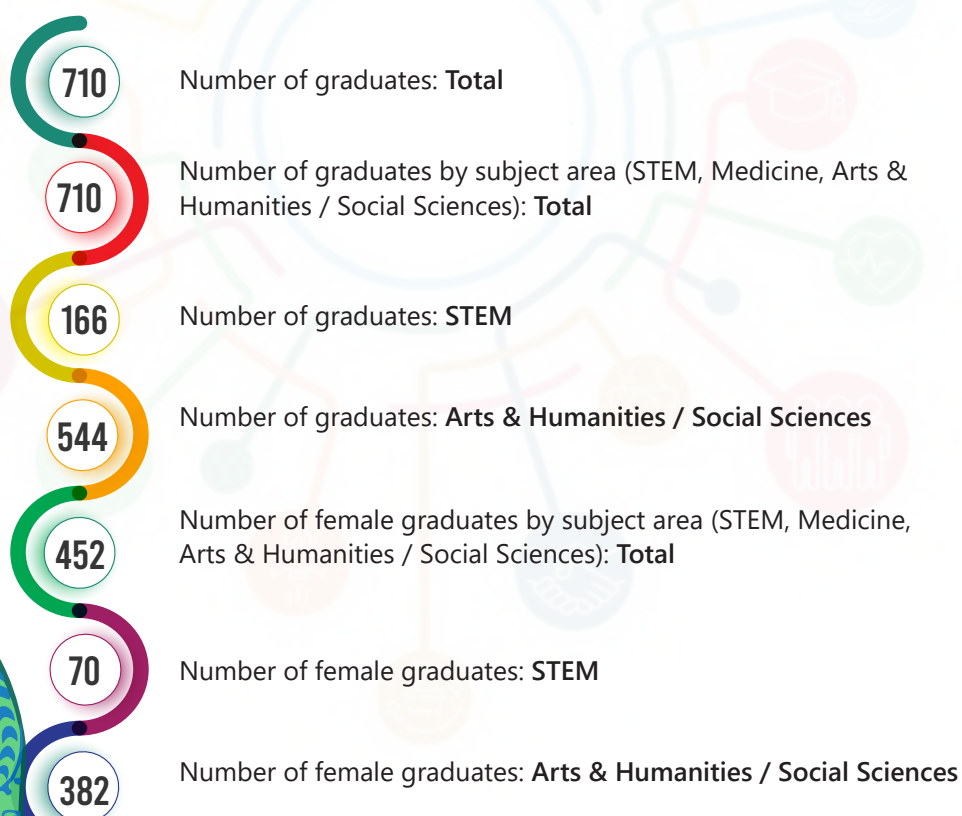
Women in senior positions represent about 49.5% of the total number of senior positions.

Source: Academic Year 2020

Proportion of women receiving degrees

The proportion of female students in STEM programs is 42%. Moreover, 70% of the Art, Humanities, or social science graduates are women.

Proportion of female degrees awarded



Source: Academic Year 2020

Women's progress measures

PSU has well-established policies for non-discrimination against women, for maternity and paternity and for protecting the rights of those reporting cases of discrimination.



Source: Academic Year 2020

Policy of non-discrimination against women

[Home](#) / [Centers](#) / [Policy Development Unit\(PDU\)](#) / [Policy and Procedures](#) / [Accessibility, Non-discrimination, and Harassment 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

[Home](#) / [Centers](#) / [Policy Development Unit\(PDU\)](#) / [Policy and Procedures](#) / [Gender Equality Policy](#)

Prince Sultan University PSU
Policy Management System
Gender Equality Policy

Policy Code:	GV0008
Policy Name:	Gender Equality Policy
Handler:	The President Office
Date Created:	15 July 2020
Date of Current Review:	15 August 2020
Approved by:	University Council
Date of Approval:	02/09/2020

Maternity and paternity policies



Childcare facilities for students

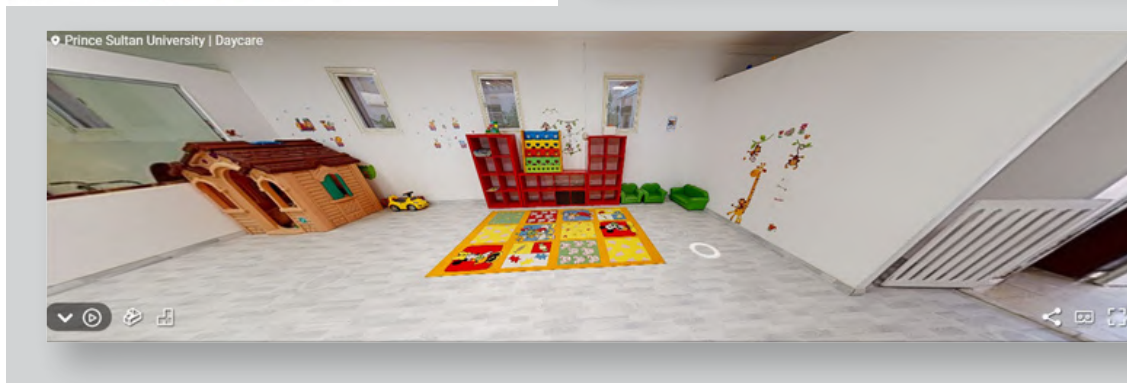


TOUR + 360 IMAGES

PSU Daycare Virtual Tour

Prince Sultan University provides employees and students with a daycare facility which will allow them to confidently leave their children and focus on their work and study respectively. Having reliable and accessible daycare on campus can make parents feel at ease knowing that their child is in good place and near to them.

TOUR NOW



Track women's graduation rate





Policies protecting those reporting discrimination

Chapter 5

Disciplinary Actions

Prince Sultan University
Vice Rector
Academic Affairs and Research

جامعة الأمير سلطان
وكل الجامعة
شؤون الأكاديمية والبحث العلمي

قرار تشكيل لجنة الشؤون الطلابية الأكاديمية المشتركة
بحامعة الأمير سلطان

أن ومكبر الجامعة للشؤون الأكاديمية، وبناءً على ما تقتضيه مصلحة العمل، يقرر تشكيل لجنة الشؤون
الأكاديمية المشتركة للعام الدراسي ١٤٣٩/١٤٤٠هـ، على النحو التالي:

- [illegible]

ثانياً :- تعتمد اللجنة اجتماعاً واحداً على الأقل خلال كل فصل دراسي (الفصل الأول: الفصل الثاني: الفصل الصيفي)، وترفع محاضرها لصناديق مدير الجامعة للاعتماد.

The university disciplinary actions are in the first place preventive measures. By using them, the university seeks to prevent the occurrence or recurrence of misconduct and misbehavior. Penalties are, therefore, not ends in themselves, but a means to an end, which is changing and modifying misbehavior.

As a result of committing any of the violations set forth in Chapter Four, The Rights and Obligations Committees determine the

1. Verbal or written reprimand.
2. Expulsion of the student from the classroom.
3. Seizure and confiscation of materials or in-kind property. If these materials or property violates the public order within the university campus. The Rights and Obligations Committee has the right to confiscate or return them permanently.
4. Paying a financial or in-kind compensation in case of destroying or damaging any of the university's property or the property of others inside the university campus.
5. Assigning the student to carry out compulsory labor at the place where the violation is committed or at any other place as deemed appropriate by the Rights and Obligations Committee. The compulsory labor shall be unpaid and on an hourly rate.
6. Banning the student from participating in one or all of the student activities during which he/she has committed a violation for one semester or more.
7. Banning the student from using some of the university facilities (such as the university services, the gym, etc.) for one semester or more.
8. Giving the student a three-level warning: first, second and final warning in academic and non-academic matters. These three warnings shall be followed by expulsion from the university.
9. Withholding reward/stipend, banning from any benefits-in-kind, or depriving the students from any employment opportunities for one semester or more.

Sustainable Development Report 2020

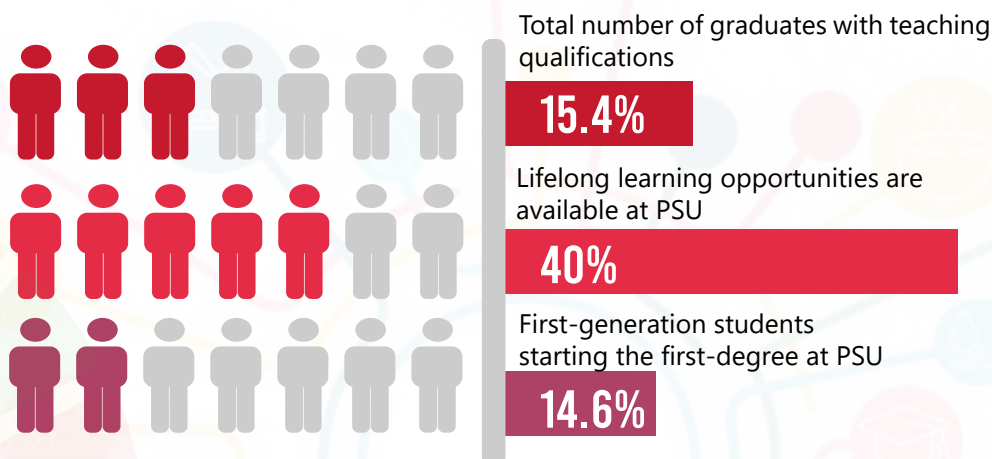
Clean Water and Sanitation



Quality Education ■

PSU is committed to the United Nations' Sustainable Development Goals (SDGs), the 4th goal being quality education. With the goal in place, the members of PSU community is toiling hard which is visible through the outcomes that the university accomplished. PSU follows a certain metrics to measure such milestones. Here is an overview of activities accomplished by the university.

Overview of activities accomplished by the university



Source: Academic Year 2020

Achievements ■

CDMA2020: The 6th International Conference on Data Science and Machine Learning Applications

CDMA2020, the 6th edition of 'International Conference on Data Science and Machine Learning Applications' is aimed to gather researchers and Applications developers from a wide range of Data Science related areas such as data analytics, computational intelligence, machine learning, deep learning, pattern recognition, databases, Big Data and Visualization. The Conference will provide opportunities for technical collaboration among data science and machine learning researchers, developers and practitioners in Saudi Arabia, GCC countries and Middle-East region. Acceptance will be based primarily on originality, significance and quality of contribution. All submissions will undergo a blind peer review process before acceptance and possible inclusion in the proceedings of the conference.

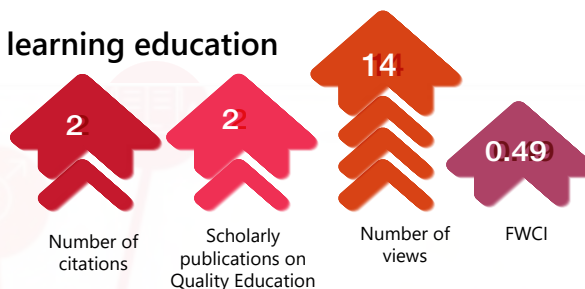
Venue: Prince Sultan University, Riyadh, Saudi Arabia
Date : Wednesday – Thursday (4th - 5th March, 2020)



Metrics ■

Research on early years and lifelong learning education

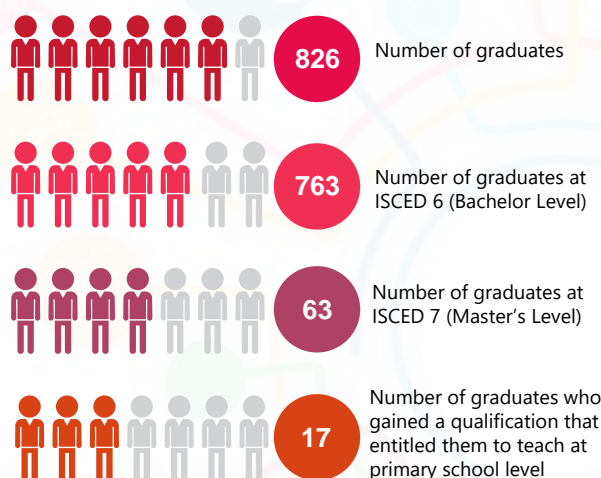
This focuses on research that is relevant to pedagogy, measuring paper views, the proportion of papers in the top 10 per cent of cited journals and the volume of research produced.



Source: Academic Year 2020

Proportion of graduates with teaching qualification

In order to understand how a university is supporting early years education, this measures the proportion of university graduates who receive a degree that would enable them to teach at primary school level in their country. Since PSU does not have a college of education, the number is focused on college of humanities graduates who were qualified to teach English as foreign languages. The number reflects the graduates who has Teaching English as a Foreign Languages (TEFL).



Source: Academic Year 2020

Lifelong learning measures

The PSU community is driven by a shared purpose: to make a better world through education, research, and innovation. We are fun and quirky, inventive and artistic, obsessed with numbers, and welcoming to talented people. PSU Mission states "Prince Sultan University aims to provide the Middle East with a quality education to the highest international standards. In its efforts towards a successful and responsible life-long learning, PSU integrates modern technology, pedagogy and human values for the advancement of scientific research, productivity and leadership towards a more meaningful social life.



Source: Academic Year 2020

Sustainable Development Report 2020

Affordable and Clean Energy





Summary of accomplishments

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.

Research on affordable and clean energy

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





Achievements

MoU with Koncar

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 consultancy project on microgrids test bench for EV charging and renewable energy.

The focus areas of the sponsors chosen business themes towards Saudi Vision 2030 and United Nations Sustainable Development Goals (SDG 7, 9, & 11). The chosen themes help students, researchers, and faculty to gain the knowledge and experience on new technologies in the clean energy domain.



MoU with Power and Telecom Technologies Co., KFB Holding Group, Riyadh

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 7, 9, & 11).

- Benchmarking the energy usage with Solar based LED Lighting
- Implementing stepping stones for the Localization Target within renewable energy based lighting sector in context of the Vision 2030





Renewable Energy Lab and Altair Inc Organised two days webinar on Simulation driven Innovation on Emobility and Renewable Energy

Renewable Energy Lab and Altair Inc Organised two days webinar on Simulation driven Innovation on Emobility and Renewable Energy

The global demand for energy continues to increase and the diversity of sources is growing. We are helping customers explore sustainable generation, achieve efficient, distribution, maintain reliable power grids, and transform the market with the *Internet of Things(IoT)*.

Whether in oil and gas, coal, renewable energy, nuclear power, or distribution, our customers use Altair to simulate everything from geomechanics to composite wind turbine blades and analyze structural safety to network loads.

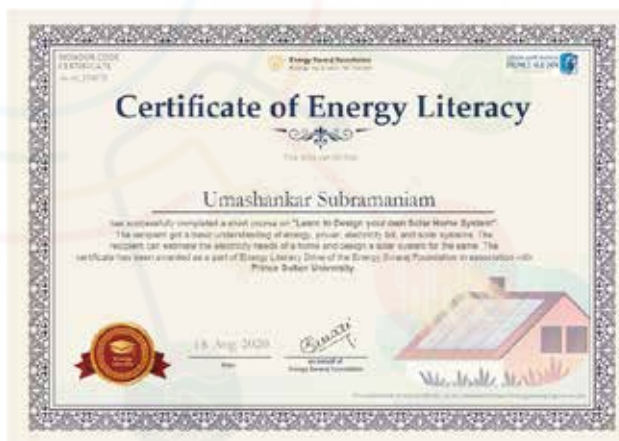
Agenda:

- Ensure Reliability and Robustness with Multiphysics
- Streamline Aerodynamics and Thermal
- Increase Network Efficiency
- Smart Digital Transformation
- Optimize Energy Production and Distribution



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

Climate change is a major concern, which needs a collective response to mitigate its catastrophic effects. Energy Swaraj Foundation (ESF) is igniting the Energy Swaraj Movement to bring awareness to people on energy and climate change to make this planet liveable for the sake of our future generations. Renewable Energy Lab, PSU is partnered with ESF for achieving the following sustainable development goals (SDG 7,11,13 & 17), to promote 100% renewables and to train the students, researchers, faculty, and technical staff in PSU on Solar PV System Design with digital certification.



Energy Swaraj Foundation & Renewable Energy Lab jointly organised the "Learn to Design your Solar System." This course gives a unique opportunity to become Energy Literate irrespective of their educational background and experience.



Conference on 2020 ■

International Conference on Power Electronics and Renewable Energy Applications



This conference is a step to encourage various professionals for colonizing the relevant topics in Power Electronics and Renewable Energy Applications. The participants from academia, industry and research organisations come closer through presentation sessions, keynote lectures and exhibitions. The conference will be an opportunity to discuss the developments in the signal processing, electronic systems and soft computing which enhances the ability of Power electronics system for various applications. The applications include FACTS, HVDC, Custom power devices, electric vehicle, Industrial drives, Welding system and Renewable energy developments.

Events ■

IGEN GENDISTRANSCON 2021

Altair Engineering Inc. is an American multinational information technology company headquartered in Troy, Michigan, USA. For leveraging University programs, Altair offers online programs for students and researchers. As a part of Industry-Academia engagement, Altair in association with Renewable Energy Lab (REL) & the Department of Communications and Networks, Prince Sultan University Organising events/training/certification programs for students of PSU through Altair University. Altair is the collaborator and industry partner with Renewable Energy Lab (REL) & Students Activities Committee, Department of Communications and Networks and will offer more events in the near future.

Coordinators

- Dr. Umashankar Subramaniam
- Dr. Sagar Mahajan Baskar

Department of Communications and Networks Engineering



1. ALTAIR ACADEMIA

For leveraging University programs, Altair offers Student free license for students' computers (Having functional limitations) and Research bundles (no limitations) of software seats for the course and Lab practices for the universities.

<https://altairuniversity.com/student-edition-products/>

2. Due to COVID-19 work from home Initiatives

It's a solicited mail for kind perusal. Under Covid19 situation, Altair wishes to open up Learning opportunities to all the students. As a courtesy, please share this info with your Friends/Students/Faculties. Note that these initiatives aid the Outcome-based Education principles of Washington Accord Learning outcomes. Scan QR code in my email signature to download the softcopy of the brochure for the notice board.



In Future

In EE Program, SDGs well incorporated in advance while preparing the program specifications esp. core and elective courses. The courses like power electronics, power systems and elective courses like renewable energy mapped with SDGs 7, 11,12,13, 17 on Clean Energy, Responsible consumption, Sustainable Cities and Climate Action. Also the courses like Engineering Design, Logic Design, Micro-processor Design and Signals and System mapped with SDGs 9, 17. Senior Design Project would contribute for the applications with mapping SDG 1-17. Overall the EE Program designed to map with SDGs 4, 10,16,17 towards Quality Education and Partnerships for the Goals to achieve Reduced Inequalities.

Sustainable Development Report 2020

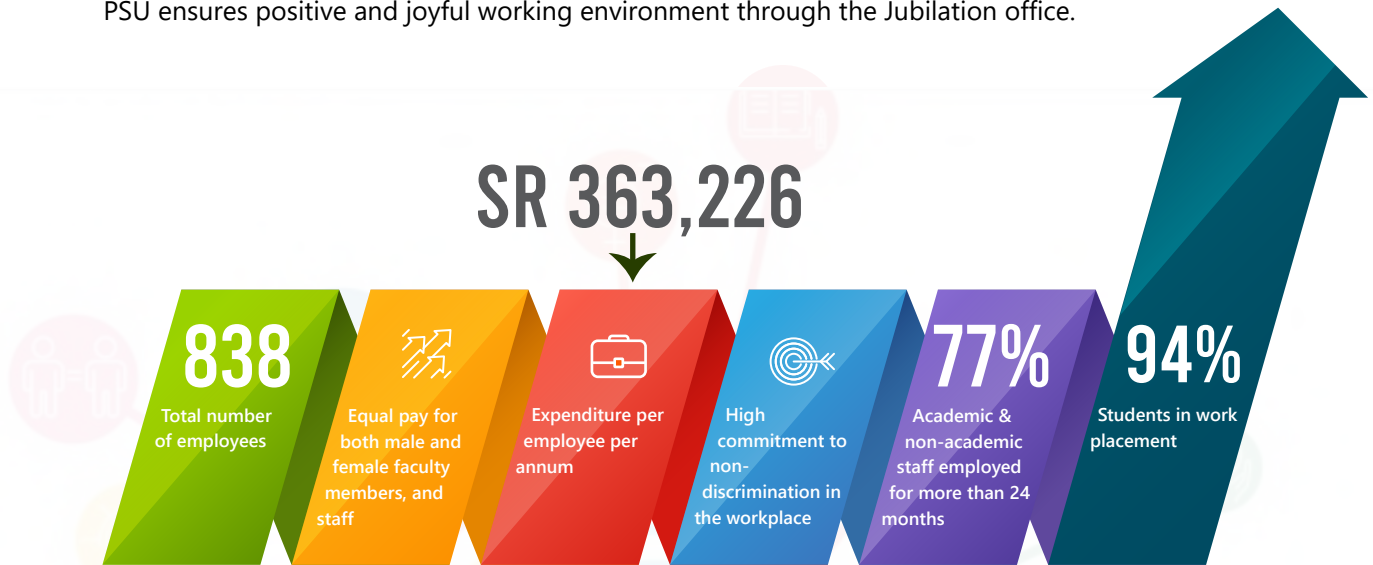
Decent Work and Economic Growth





Jubilation Office ■

PSU ensures positive and joyful working environment through the Jubilation office.



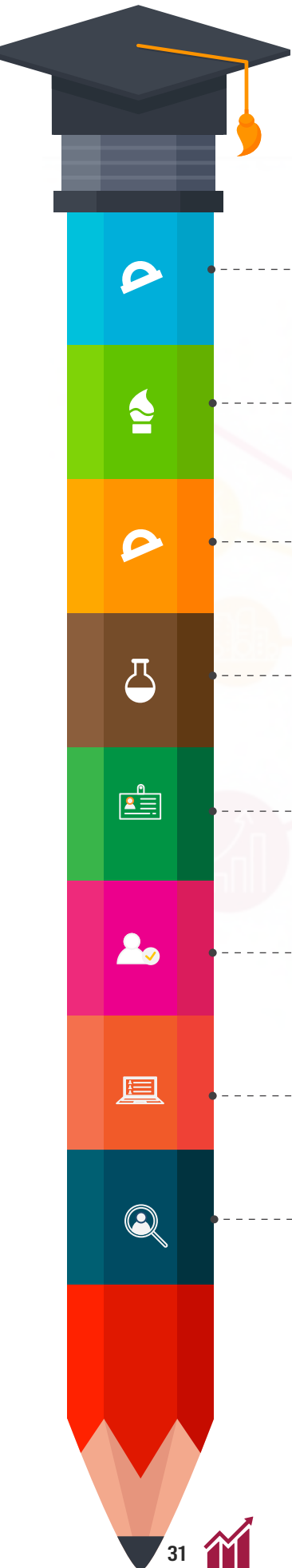
Source : Academic Year 2020

Employment Practices

The PSU employees fall in two categories: academic and non-academic. Both are considered as an important asset of PSU for providing quality teaching and learning and its support services. In alignment with its mission, PSU develops a healthy and competitive working environment attracting and retaining local and international qualified professionals, providing them opportunities to excel in their fields, and at the same time protecting their rights and interests.

PSU strictly abides by the Ministry of Human Resources and Social Development laws & regulations and offers decent labor wages more than the minimum slab established by the Saudi Arabia government, provide equal job opportunities to employees based on their professional ability and job experience and thereby eliminate unlawful discrimination with respect to gender, nationality, qualification, and other factors (Governing rules for faculty: article 76). PSU provides an environment for continuous learning by encouraging its faculty to excel in their field of study/work and appreciate them with numerous annual excellence awards.

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



Employment practice living wage

The University is committed to pay all employees, staff and faculty, what they deserve in compliance with the Saudi local living wage laws



Employment practice unions

PSU is very transparent with all its employees (faculty and staff) about their work rights in compliance with the Saudi labor laws. The university updates their governing and regulations booklets and distributes them to all staff and faculty members. PSU follows rules and regulations of The Saudi Ministry of Human Resources and Social Development



Employment policy on discrimination

PSU has a zero tolerance policy for any kind of discrimination at work



Employment policy modern slavery

The university rules and regulations are aligned with The Ministry of Human Resources and Social Development workplace laws. There is a zero tolerance policy for any kind of violation of employees human rights



Employment practice equivalent rights outsourcing

The university makes sure that all employees (faculty and staff) understand the outsourcing work rights, rules and regulations



Employment policy pay scale equity

PSU has a policy on pay scale equity including its commitment to measurement and elimination of gender pay gaps. The university human resources department actively ensures equal pay for both genders faculty and staff



Tracking pay scale for gender equity

PSU respects gender equality in terms of payroll for faculty and staff from both genders



Employment practice appeal process

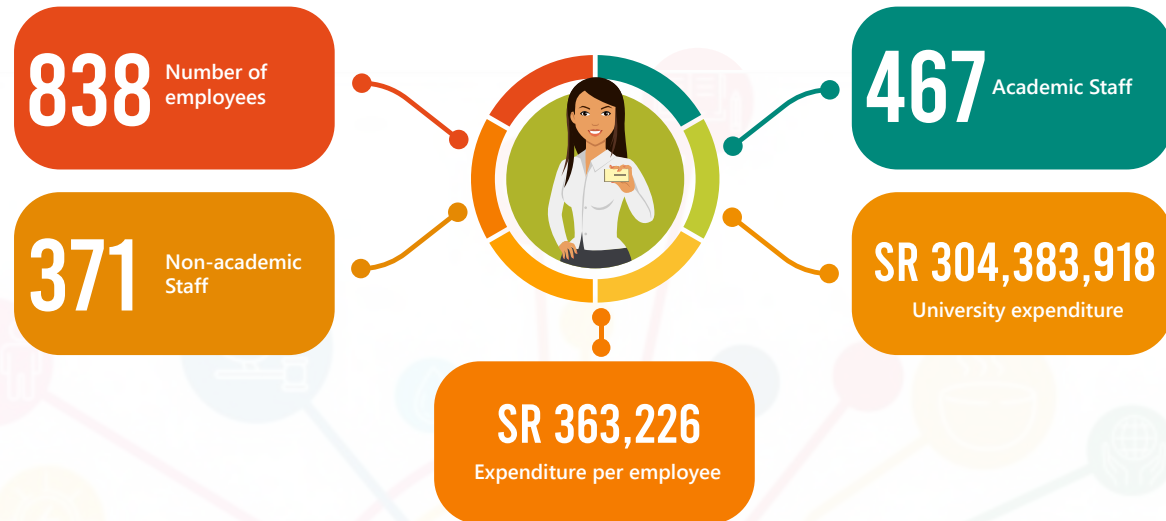
The last page of the contract that is signed by stakeholders. Prior contract signing, the employee can appeal with a letter to the president through the human resources personnel their desires in terms of payment. After the President's decision, the contract would be signed by both stakeholders





Expenditure per Employee

PSU maintains an extremely high degree of faculty satisfaction and a high retention rate. The total expenditure on employee is SR 304,383,918 per year.



Source : Academic Year 2020

Proportion of students taking work placements

In alignment with the PSU mission which emphasizes on lifelong and service based learning, all programs offered at PSU have incorporated work placement.

Employment Placement

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





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



TEAM TESTIMONIALS

Mayada did an excellent job during her internship program and is a pleasure to work with. She is always eager to learn new things and take on new challenges. She displays commitment to her work and looks for ways to improve and promote good quality work.

You're kind and always ready to offer your assistance and support.

You are smart and we need someone like this in our team.

No need for guidance; your work is always perfect.

With your work ethic and the effort you put in you deserve to excel

Good work, you get better with every task and you pulled through every time we depended on you

You're the best and most committed teammates I've ever worked with



SYED VAQAS
Project Manager and Coop supervisor

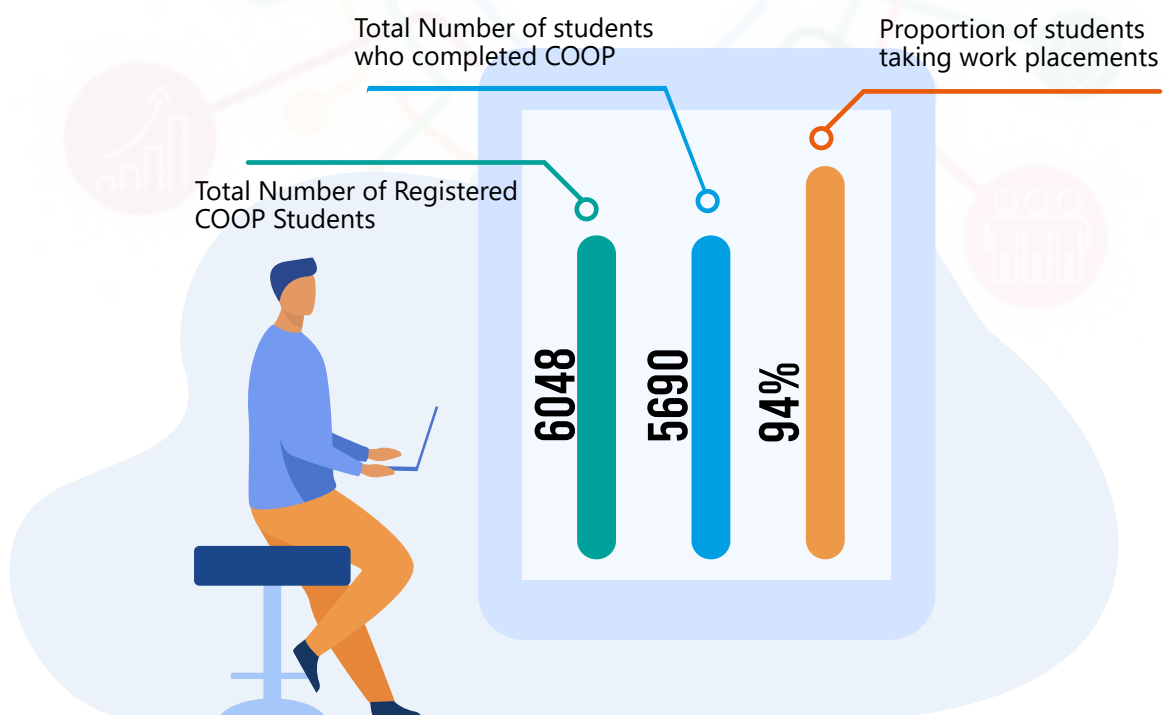


OSAMA ALIJIL
QA Engineer- Team Member



FAHAD SULEMAN
Test Lead and Release Manager

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

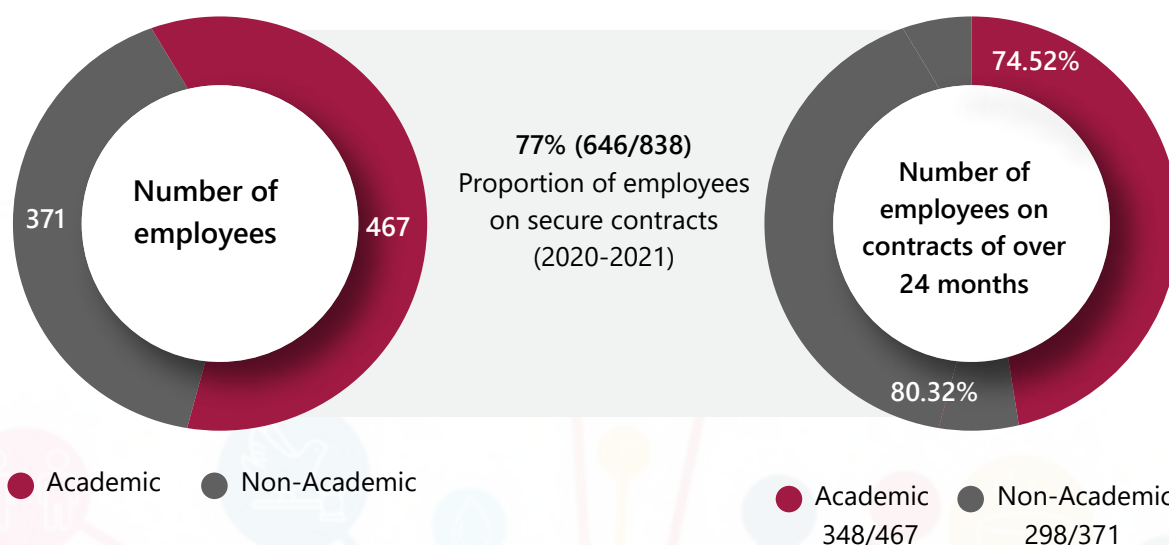


Source : Academic Year 2020

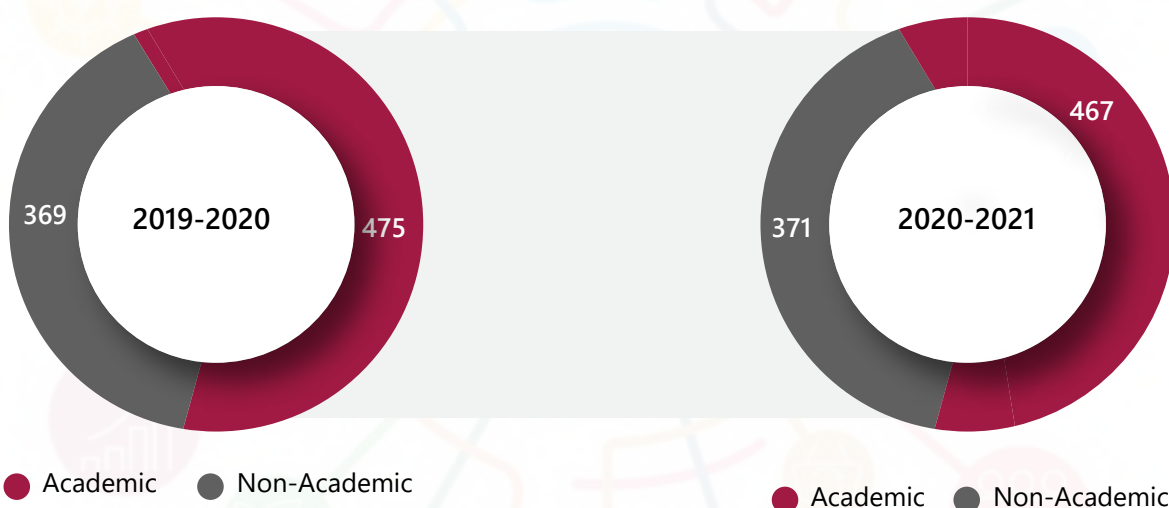




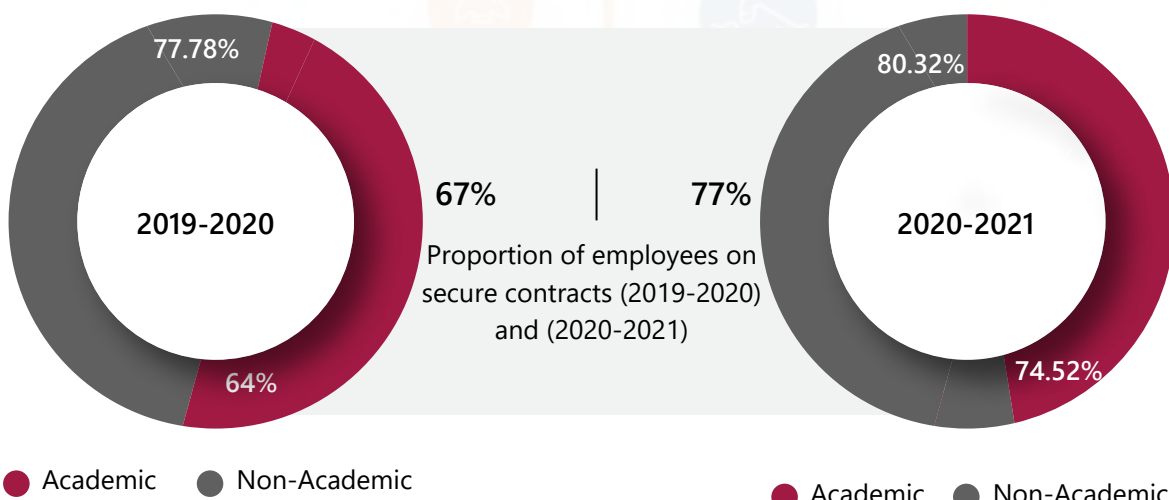
Proportion of employees on secure contracts



Number of employees



Number of employees on contracts of over 24 months



Sustainable Development Report 2020

Industry, Innovation and Infrastructure





Conferences organized by PSU



**The First International Conference on
Artificial Intelligence and Data Analytics (CAIDA 2021)**
April 6-7, 2021, Online Conference
Prince Sultan University, Riyadh, Saudi Arabia



**1st International Symposium on
APPLIED LINGUISTICS
RESEARCH (ALR2020)**
November 7, 2020

Keynote Speakers

- Dr. [Name]
- Dr. [Name]
- Dr. [Name]

SMARTTECH2022
**THE SECOND INTERNATIONAL
CONFERENCE OF SMART SYSTEMS
& EMERGING TECHNOLOGIES**
22-24 MAY 2022 PRINCE SULTAN UNIVERSITY
RIYADH, SAUDI ARABIA

TRACKS

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

KEYNOTE SPEAKERS

- Dr. [Name]
- Dr. [Name]
- Dr. [Name]
- Dr. [Name]

GENERAL CHAIRS

1. Amir Khoussar, Prince Sultan University, Saudi Arabia
2. Ahmad Tahar Azar, Prince Sultan University, Saudi Arabia
3. Eric Peron, King Abdullah University of Science & Technology, Saudi Arabia

PROGRAM CHAIRS

1. Mohamed Abdelkader, Prince Sultan University, Saudi Arabia
2. Waleed Boukila, Prince Sultan University, Saudi Arabia
3. Abdelhakim, Prince Sultan University, Saudi Arabia
4. Muhammad Helwan, 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 08, 2022
- Conference Dates: May 22-24, 2022

LINKS

- Conference Website: <https://www.smarttech2022.org/>
- Submission: <https://www.smarttech2022.org/submission>

CONFERENCE WEBSITE

SUBMIT YOUR PAPER HERE

**1st GCC International Conference
on Industrial Engineering and Operations Management**
NOVEMBER 26-28, 2019
Riyadh, Saudi Arabia

Host University
PRINCE SULTAN UNIVERSITY

**Virtual Conference
on
Recent Trends on Renewable
Energy, Smart Grid and Electric
Vehicle Technologies**
9th July, 2020
Organized by
VIT
School of Electrical Engineering
Vellore Institute of Technology
In Association with
PRINCE SULTAN UNIVERSITY
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MELBOURNE AUSTRALIA

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and Power Electronics

Dr. S. Melkandivelan
Professor & HOD (EEE),
School of Electrical Engineering, Department of
Electrical Engineering

Guests
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School of Electrical Engineering
VIT, Vellore, Tamil Nadu, India.
e-mail: kpalanisamy@vit.ac.in,
rsubbarath.vit@vit.ac.in
Tel: +91 435 220 2467
Mobile: +91 9894718279, +91 9904678626





MoU with Koncar

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 in REL at Prince Sultan University.



The focus areas of the sponsors chosen business themes towards Saudi Vision 2030 and United Nations Sustainable Development Goals (SDG7,9, 11). The chosen themes help students, researchers, and faculty to gain the knowledge and experience on new technologies in the clean energy domain.

MoU with Power and Telecom Technologies Co., KFB Holding Group, Riyadh

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 7, 9, 11)

- Benchmarking the energy usage with Solar based LED Lighting
- Implementing stepping stones for the Localization Target within renewable energy based lighting sector in context of the Vision 2030





MoU with Schneider Electric

The agreement was signed by Dean of the College of Engineering Dr. Abdullakim Almajed, while Schneider Electric Company was represented by the CEO of the company, Eng. Muhammad Shaheen. The agreement aims to support cooperation between the two parties in the fields of energy, automation and digitization, as Schneider Electric, through its global experience in this field, supports the university to benefit from the latest devices and technologies manufactured by Schneider Company. Training students on the latest knowledge, in addition to providing the opportunity to transfer knowledge to students through specialized training programs.



**Schneider
Electric**

**جامعة الأمير سلطان
PRINCE SULTAN
UNIVERSITY**

Memorandum of Understanding

This memorandum of understanding (MOU) was signed in the city of Riyadh on Tuesday, 21 /02 / 1443 AH, corresponding to 28 /09 / 2021 AD between each of the following:

1. Schneider Electric, Riyadh, Kingdom of Saudi Arabia, address: Al-Raidah Digital City (RDC) Building # IN 01, 1st Floor, PO Box: 89249, Riyadh 11682, Saudi Arabia, represented by Mohamed Shaheen, Cluster President of Saudi Arabia & Yemen, and referred to hereinafter after as (first party)
2. Prince Sultan University, Kingdom of Saudi Arabia, Riyadh, Address: Al-Rafha Street, P O Box 66833, 11586, Riyadh 11431, Phone: 4948055, Represented by Dr. Abdulkhakim Almajid, Dean of Engineering, and hereinafter referred to as (second party), the two parties to the memorandum are collectively referred to as (the two parties).

Preamble:

In light of the importance of joint and mutual cooperation in the fields of research and knowledge development between Prince Sultan University and Schneider Electric and in support of our newly established EE program, Schneider Electric is planning to support in establishing Programmable logic controller (PLC systems) center in the smart systems lab located at the college of Engineering. Schneider Electric is one of the leading companies in energy management and Automation around the globe.

This memorandum of understanding came between Prince Sultan University and Schneider Electric to enable each of them to benefit from research and academic cooperation to enhance opportunities for innovation, product development and exchange of experiences.

Article one:

The preamble above is an integral part of this memorandum to be read and interpreted.

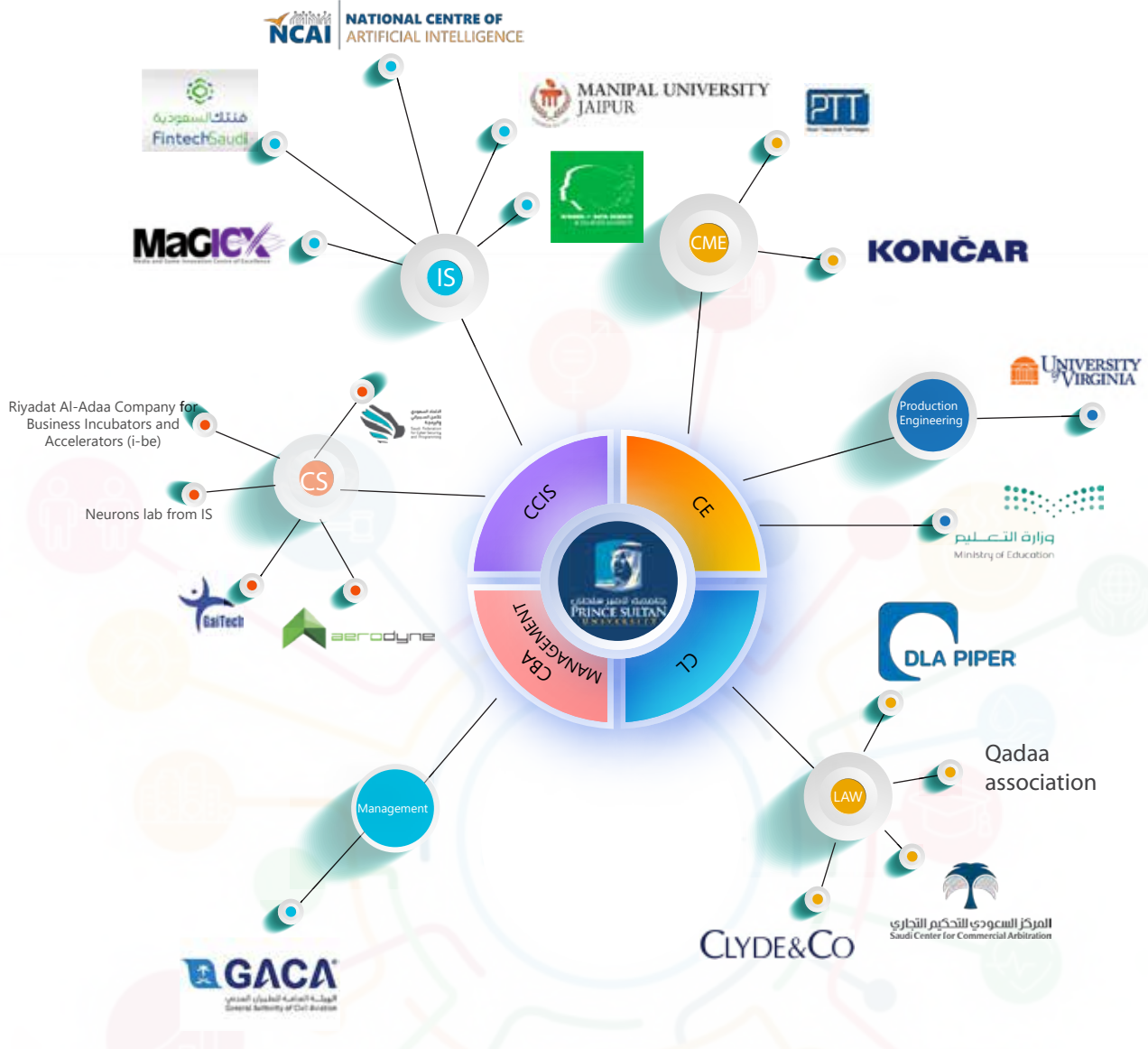
Article Two (Objective of the Memorandum):

The general objective of this memorandum is to facilitate cooperation between the two parties without arranging legally binding obligations on the parties, as the two parties will work effectively to push and encourage cooperation between them to establish PLC center. The idea is to expose the student to the latest technology in programming logic controller to help control manufacturing





Collaboration with external partners



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LAUNCH
2030
NTDP



PSU researchers were able to secure two patents, based on individual efforts and collaboration with external researchers, although the ideas were issued by PSU researchers.

		US 2021/0265919A1	
(19) United States			
(12) Patent Application Publication		(10) Pub. No.: US 2021/0265919 A1	
BHASKAR et al.		(43) Pub. Date: Aug. 26, 2021	
(54) MICROGRID POWER SUPPLY SYSTEM DC-DC CONVERTER AND CONTROLLING METHOD		(57) <i>ABSTRACT</i> A DC-DC voltage converter includes an input circuit, a parallel inductor (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).	
(71) Applicant: Primer Student University, Riyadh (SA)		(72) Inventors: Mahajan Sagar BHASKAR, Riyadh (SA); Bhader J. ALMAKHLES, Riyadh (SA); Umashankar SUBRAMANIAM, Riyadh (SA); SanjeevKumar PADDAMARAN, Riyadh (SA); Sukhdev RATHINASAMY, Riyadh (SA)	
(73) Assignee: Primer Student University, Riyadh (SA)		(73) Assignee: Primer Student University, Riyadh (SA)	
(21) Appl. No.: 16/798,552		(21) Appl. No.: 16/798,552	
(22) Filed: Feb. 24, 2020		(22) Filed: Feb. 24, 2020	
Publication Classification			
(51) Int. Cl. H02M 1/08 (2006.01) H02M 1/00 (2006.01)		(51) Int. Cl. H02M 1/08 (2006.01) H02M 1/00 (2006.01)	

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.

Mahajan Sagar BHASKAR, Dhafer J. ALMAKHLES,
Umashankar SUBRAMANIAM, Sanjeevikumar
PADMANABAN, Sakthivel RATHINASAMY

		 000118174282	
(02) United States Patent Washington, DC		(06) Patent No. US 11,061,742 B2	(07) Date of Patent Aug. 24, 2021
(04) DECLASSIFICATION AND DECLASSIFICATION PROCESSOR FOR SELECTIVE CACADED IN-DECODED PICTURES		(09) References Cited	
(05) Applicant: Palmer Vasanthakumari, Riyadh (SA)		U.S. PATENT DOCUMENTS	
(05) Inventors: Palmer Vasanthakumari, Riyadh (SA) U.S. Attorney: Richard A. Altmann, Riyadh (SA)		2019/017429 A1 12/2019 Ghahramani et al. 2019/017429 A1 12/2019 Lee et al. (*) 2019/017429 A1 12/2019 Lee et al. (*)	
(05) Assignee: Palmer Vasanthakumari, Riyadh (SA)		OTHER PUBLICATIONS	
(07) Abstract: <i>Subject to any disclaimer, the claims of this patent are extended or inferred under 35 U.S.C. 103(a) by 37 days.</i>		Vasanthakumari et al. "A Selective Decode Based Image Storage System for the CACADED In-Decode Pictorial in TV Applications," 2017, pp. 1-10, (herein "Article").	
(07) Claims: 1. 1-10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 6			

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 .

Sridhar VAVILPALLI, Umashankar SUBRAMANIAM, Dhafer
Jaber ALMAKHLES

Research on Industry, Innovation and Infrastructure

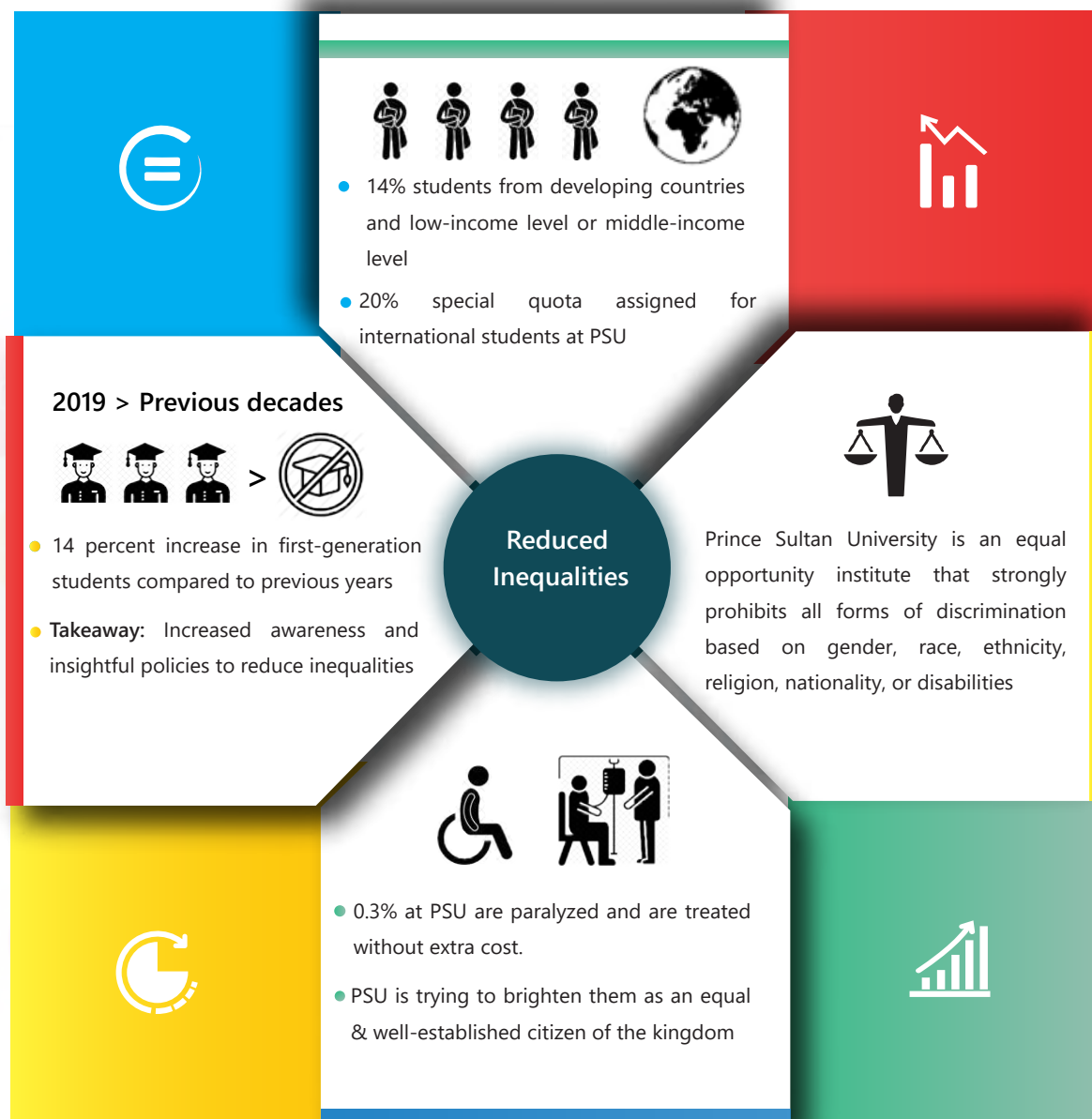
PSU's scholarly publications on Industry, Innovation and Infrastructure so far has 283 views and 3.13 citations per paper.

Number
of viewsCitations
Per Paper

Sustainable Development Report 2020

Reduced Inequalities





Achievements ■



More than 14.6% of students at PSU are first-generation students



More than 14.2% of total number of first-generation students in PSU are from developing countries



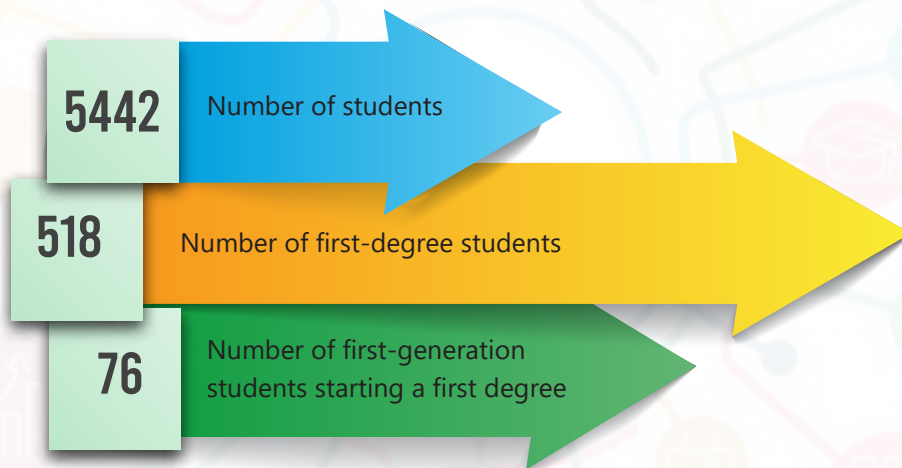
17 students & 4 staff at PSU are identified with one or more disabilities

Metrics

First-generation students

Being a first-generation college student represents progress in a family. Most people who decide not to go to college do so, because of unaffordability. Food, living expenses, textbooks, and tuition incur huge amount to be spent. Few economically-backward families may get intimidated by the price tag, a common issue. However it is important to remember that the 'sticker price'—aka the published price of tuition—is not necessarily what students will have to pay. The 'net price' is what students and families pay, after scholarships and financial aid are taken into consideration.

Prince Sultan University takes initiative in this regard for those students who cannot afford their university expenses. PSU offers scholarships based on merit and provides financial aid to low-income families with an aim that those students shine as a major part of the society. The distribution of first-generation students at PSU is shown herewith.



First-generation students

This table shows the proportion of international students at all degree levels who are from low-income and lower-middle-income countries, as defined by the World Bank.



Students and staff with disabilities

Prince Sultan University is committed towards treating students and staff with disabilities equally without any discrimination in any aspects. The university offers extraordinary facilities to all of its students & staff members, without any additional cost, one of which being 'hotline service'. Further, Prince Sultan University provides handicapped parking slots for all disabled students and staff members also every building is equipped for these students and staff members.



Number of employees



Number of employees with disability



Hot Line

Service Objective:
This service is provided to students with special needs, psychological, and general situations requiring immediate guidance. Thus, providing the student with timely confidential guidance, and counseling by contacting the Guidance and Counseling Unit via the hotline.

How to Contact the Service:
The person responsible for the hotline service is Mr. Abdulrahman Alshahr, who is the Guidance Counselor at the Branch of Student Affairs, whose contact information are the following:
 • Toll: 011 494 8126
 • E-mail: aalshahr@psu.edu.sa

Service Location
011 494 8126

بمساعدة طاقون الطلاب أن تمكن من توفير خدمة أبحاث الطلاب الجامعية

الخط الساخن

لخدمات التوجيه والإرشاد

أهداف الخدمة:
تتمثل الخدمة في توفير الدعم النفسي، والمشورة، والتوجيه للطلاب الذين يعانون من مشاكل نفسية، ومشاكل عامة تتطلب توجيهًا فوريًا. وبذلك، توفير التوجيه السري، والتوجيه للطلاب من خلال الاتصال بالخط الساخن.

كيفية الاتصال بالخدمة:
الشخص المسؤول عن الخدمة هو السيد عبد الرحمن الشاهر، وهو مستشار الطلاب في فرع شؤون الطلاب، والتي هي المعلومات التالية:
 • هاتف: 011 494 8126
 • البريد الإلكتروني: AALSHAHRA@PSU.EDU.SA

مكان توفير الخدمة:
مركز طاقون الطلاب - وحدة التوجيه والإرشاد

List of differently-abled students at PSU

بيان بأسماء الطلاب للمواقف (الاحتياجات الخاصة)

العدد	اسم الطالب	الرقم الجامعي	الكلية	سبب طلب الموقف
١	*****	*****	تحتوي	وجود بطاقة تسهيلات المروية
٢	*****	*****	تحتوي	وجود تقرير طبي
٣	*****	*****	تحتوي	وجود تقرير طبي
٤	*****	*****	الهندسة	وجود تقرير طبي
٥	*****	*****	إدارة الأعمال	وجود تقرير طبي
٦	*****	*****	الهندسة	وجود تقرير طبي
٧	*****	*****	تحتوي	وجود تقرير طبي
٨	*****	*****	تحتوي	وجود تقرير طبي
٩	*****	*****	القانون	وجود تقرير طبي
١٠	*****	*****	القانون	وجود تقرير طبي
١١	*****	*****	الهندسة	وجود تقرير طبي
١٢	*****	*****	الهندسة	وجود تقرير طبي
١٣	*****	*****	تحتوي	وجود بطاقة تسهيلات المروية
١٤	*****	*****	إدارة الأعمال	وجود تقرير طبي
١٥	*****	*****	إدارة الأعمال	وجود تقرير طبي
١٦	*****	*****	الهندسة	تقرير من طبيب العيون



Measures against discrimination

Princes Sultan University has a policy oriented to the management of different capacities of students as well as their disabilities. As an evidence, the manual for the admission of students can be observed with loads of information and some of the resources of admission for students.



Prince Sultan University PSU Policy Management System

Accessibility, Non-discrimination, and Harassment Policy

Policy Code: GV 0007

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

Handling Unit: The President Office

Date of Current Revision: August 2020

Approved by: University Council

Date of Approval: 02/09/2020

Purpose

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

Definitions:

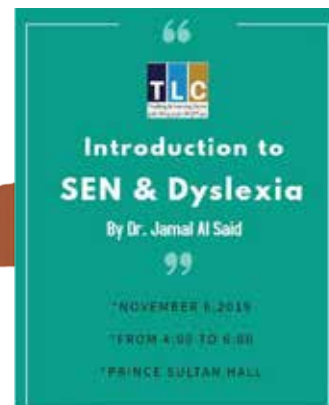
Discrimination: is treating a person differently based on gender, race, disability, nationality, or religion

Harassment:

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

Policy Statement:

- Prince Sultan University is an equal-opportunity institute that strongly prohibits all forms of discrimination based on gender, race, ethnicity, religion, nationality, or disability.
- All university services, facilities and opportunities are equally accessible by all members and candidates based only on merit, eligibility and credentials.
- Services include, but not limited to, admission, registration, placement, scholarship, mentorship, recruitment, subscriptions, complaints, appeals, plus other similar categories.
- Facilities include classrooms, labs, meeting rooms, sporting facilities and other similar resources.



Sustainable Development Report 2020

Sustainable Cities and Communities





Sustainable cities and communities ■

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

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

Achievements ■

Promoting Arabic Language & Culture

CSCEC implemented several sessions of Arabic Language Analysis workshops in collaboration with the general courses department presented by PSU faculty member. The audience of these workshops were women from society who are interested in knowing more about Arabic, as a language. The main aim was to raise awareness of our culture among society. The number of attendees was 31 and the workshops were conducted on every Saturday from 9:00 am-11:00 am. The attendees from the public were glad and expressed gratitude to find PSU as an academic venue to share their interest in Arabic language knowledge.



Weekly Arabic Language Analysis Workshop Sessions
- (25 January-07 March 2019)



Art Promo Exhibition





Sustainable Development Symposium/Workshop

PSU's College of Engineering organized a workshop entitled 'Partnership and Sustainable Development Goals' in cooperation with Saudi Green Building Forum and the United Nations in December 2019.





PSU Eco team in Shell Eco Marathon Asia 2019

PSU Eco team participated in Shell Eco Marathon Asia in April 2019. The commissioning of PSU Eco-Carwas on-track and the teams battled in the mileage challenge, competing within vehicle categories and energy classes to see which the in-house vehicle can travel the furthest consuming the least amount of energy.





Green Building & LEED Certification

Green Building lecture series was organized by ID Department in collaboration with CSCEC. It was implemented on two stages; the first one of the series was LEED course presented by PSU alumni for four days. The next stage was organizing a forum where PSU welcomed a guest speaker. He was the Vice President of the US Green Building Council (USGBC) who highlighted the next step in sustainability which aligns with 2030 Environmental Sustainability Vision. The main goal was to raise awareness and to inform the community about professional knowledge regarding KSA Green Building Industry. Tae Yi anchored a presentation about LEED at PSU. At the end of forum, LEED certifications were distributed to the participants.



جامعة الامير سلطان
PRINCE SULTAN
UNIVERSITY

2nd PSU GREEN BUILDING FORUM
22th Octoper, 2018
14:00-16:00 PM
Main Auditorium

SPEAKER

Mr. Gopalakrishnan Padmnabhan
As Managing Director – APAC and Middle East, Gopalakrishnan manages business and market development of LEED and other GBCI rating systems for the Asia-Pacific and Middle East regions. His expertise includes corporate strategy, international market expansion, branding, and business unit creation. He is a Mechanical engineer who also completed MBA from the Indian Institute of Management in India. He has more than 20 years of corporate experience in Asia-Pacific and Middle East regions.

Mr. Gopalakrishnan Padmnabhan

PROGRAM

14:00 Welcoming speech.
14:15 Lecture: "What's next in sustainability" by Mr. Gopal
15:15 PSU Presentation about LEED by Eng. Tae Yi
15:30 LEED certificates.

Official event organozer:
College of Engineering.
PSU USGBC Membership.
USGBC committee in the Arch. Eng. Dep
Green Building Club.

VISION رؤية
2030

U.S. GREEN BUILDING COUNCIL
MEMBER

Celebrations on Saudi National Day

PSU celebrates Saudi National day (23rd September) every year with students and employees. This promotes and supports the art, heritage and culture of Saudi Arabia.





Participation in Saudi Design Week

A field trip to Saudi Design Week was organized by Interior Design Department for students and faculty members.



Source: The Interior Design Department Outreach Committee.



Source: The Interior Design Department Outreach Committee.

Field trip to Asir

A trip was organized by Interior Design Department for students and faculty members to Asir in order to strengthen their understanding and appreciation for the culture and Saudi Heritage.

Metrics

Research on sustainable cities and communities

PSU's research papers related to sustainable cities and communities has 455 views and 1.5 citations per paper.





Support of arts and heritage

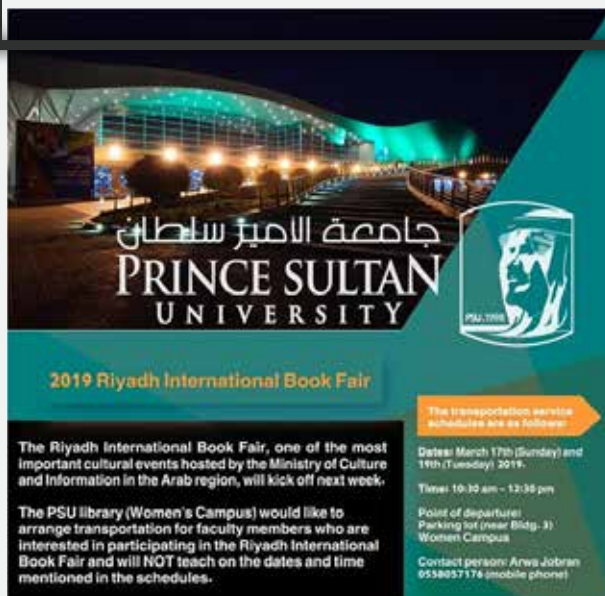


The university conducts events related to Saudi culture and heritage and also participates in such events in the region



PSU provides public access to libraries including books and publications. A bookfair was also organized to promote the culture of sharing and donating books. In addition, PSU students and faculty actively participate in Riyadh International Book Fair-One of the most important cultural events hosted by the Ministry of Culture and Information in Arab region.

The university offers free public access to visit and borrow books (with refundable deposit).





Art Promo Exhibition

Various departments cooperate with Public relations office for arranging free field trips to students and faculty members to places of cultural significance. Most of these trips are organized for free and some are paid, if it requires traveling.

A trip was organized by Interior Design Department for students and faculty members to Asir to strengthen their understanding and appreciation for the culture and Saudi Heritage.



Sustainable practices

1

The university offers housing for faculty members and bus shuttle service for faculty members who stay at different university housings



2

The university offers flexible work options



3

The university buildings are designed to be sustainable, green and energy-efficient



جامعة الأمير سلطان
PRINCE SULTAN UNIVERSITY

و.م.ب. 11551 الرياض 11551
Rice Rector for Administrative & Financial Affairs

Inter-Office Memo
Date: Jeddah, December 8, 2018 Ref: 5/1/100/2018-20

From: Prof. Dr. Saad S. Al-Rawita
Vice-Rector for Administrative & Financial Affairs

To: Faculty Members residing (University Housings)

Cc: Dr. Ahmad Yamani, Rector
Dr. Abdulhakeem Fadel, Vice-Rector, Academic Affairs
Dr. Mohamed Abdelhadi, Deputy Vice-Rector, Academic Affairs
Dr. Huda Alsharhan, Acting Vice-Rector, Campus for Women/Vice Dean, Admissions & Registration (MC)
Dr. Marwan Alghamdi, Dean, Schooling of Quality Assurance and Development
Dr. Waleed Al-Rasheed, Vice Dean, College of Business Administration
Dr. Ghada Alsharhan, Vice Dean, College of Education
Dr. Cornelia Alsharhan, Vice Dean, College of Humanities
Dr. Saad Al-Rasheed, Dean, College of Business Administration
Dr. Abdulhadi Alsharhan, Dean, Schooling of Admissions & Registration
Dr. Abdulhadi S. Al-Rasheed, Dean, Schooling of Student Affairs
Dr. Mohamed Al-Khalaf, Dean, College of Computer & Information Sciences
Dr. Abdulhadi Al-Mahdi, Dean, College of Engineering
Dr. Ibrahim Alsharhan, Dean, Schooling of Educational Sciences
Dr. Fahad Al-Mahdi, Dean, College of Law
Dr. Kamal Abu Bays, Chairman, Exam Control Committee
Dr. Basma Alsharhan, Director, Control Office
Mr. Abdullah M. Al-Rasheed, Director, Human Resources

SUBJECT: PSU Bus schedules during the period of Final Examinations, 1st Semester TERM (I/II), Academic Year 2018-2019

Kindly be informed that PSU Buses will be scheduled as indicated below during the period of the Final Examinations: 1st Semester TERM (I/II) of Academic Year 2018-2019. This starts from Saturday, 14th December 2018 and ends on Thursday, December 26, 2018.

1st Trip: PSU buses will pick up faculty members from the DQ at 7:15 am.
From Rax 7:00 am, Rax 7:10 am, Wadi 7:10 am, Tawash and H at 7:30 am sharp.

2nd Trip: PSU buses will pick up faculty members from the DQ at 11:00 am.
From Rax 11:00 am, Rax 11:10 am, Wadi 11:20 am, Tawash and H at 11:30 am sharp.

This is to ensure that all faculty members are able to attend their examination and invigilation duties on time.

Buses will leave the campus 8:15 pm and 7:20 pm.

If you have any requirements not covered by the above-mentioned schedule, please contact the office of the Vice-Rector for Administrative and Financial Affairs.

Best regards,

Prof. Dr. Saad S. Al-Rawita
Vice-Rector for Administrative & Financial Affairs

22/12/2018
8/12/2018

P.O. Box 11551 Riyadh 11551-028 • Phone: 011 4444 11551 • Fax: 011 4444 11551 • Email: info@psu.edu.sa
www.psu.edu.sa





Goal in Action



Sustainable Development Report 2020

Responsible Consumption and Production



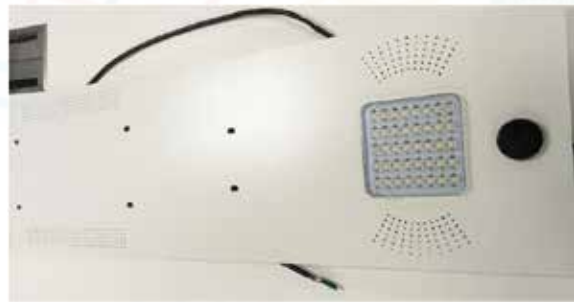
Responsible Consumption and Production ■

Prince Sultan University took efforts on bringing down the environment pollution and contribute in the fight against 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 responsible consumption and production.

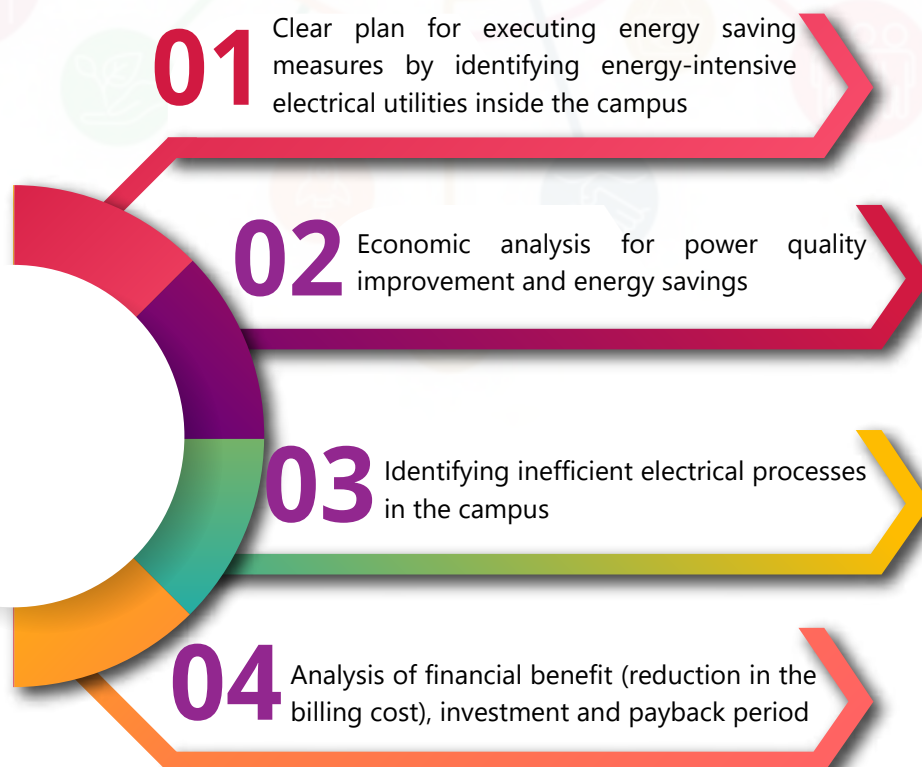
The strong commitment can be witnessed from the type of support provided in events related to E-waste and the sustainable practices followed in PSU campus that promote responsible consumption and production, research contribution, etc. Moreover, the integration of consumption and production as an important topic is endorsed in our curriculum and outreach.

Impact example

Prince Sultan University is involved in several industrial collaborations that are leading the way in search for alternative energy sources. One such example is our Renewable Energy Lab's association with Power and Telecom Technologies Co., KFB Holding Group, Riyadh for a collaborative consultancy project 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)



Metrics

Research on Responsible Consumption and Production

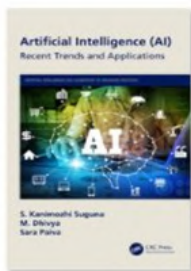
1227 Number of
views

4.03 Citations
Per Paper

The commitment towards encouraging researchers is high at Prince Sultan University which results in high productivity across the department. PSU's scholarly output researches related to SDG 12 – responsible consumption and production in the past academic year has 1227 views and 4.03 citations per paper.

Research

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



Chapter

Application of Machine Learning for Fault Detection and Energy Efficiency Improvement in HVAC Application

By Umashankar Subramaniam, Sai Charan Bharadwaj, Nabanita Dutta, M. Venkateshkumar

Book [Artificial Intelligence \(AI\)](#)

Edition	1st Edition
First Published	2021
Imprint	CRC Press
Pages	16
eBook ISBN	9781003005629



Share

The technology augmenting the human civilization in a significant stage is none other than artificial intelligence which has adopted human thinking level power and working as per level of the human brain, sometimes more than that also. From this point of view, the birth of machine learning and deep learning happens which are part of AI and which are basically the tool where machine learns from a human being based on data, pattern, and images. Sometimes it is very difficult for the human being to handle a huge amount of data manually, then the importance of machines is realized.

Cybernetics approaches in intelligent systems for crops disease detection with the aid of IoT

Received: 26 October 2020 | Accepted: 25 May 2021 | Accepted: 2 June 2021
DOI: 10.1002/9781118522149

RESEARCH ARTICLE

WILEY

Cybernetics approaches in intelligent systems for crops disease detection with the aid of IoT

Rajesh Rathinam¹ | Padmanathan Kasinathan² |
Uma Govindarajan³ | Vigna K. Ramachandramurthy⁴ |
Umashankar Subramaniam⁵ | Susana Garrido⁶

¹Department of Computer Science and Engineering, Anna College of Technology, Thiruvananthapuram, Chennai, Tamil Nadu, India

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³Department of Electrical and Electronics Engineering, College of Engineering, Guindy, Anna University, Chennai, Tamil Nadu, India

⁴Institute of Power Engineering, College of Engineering, Universiti Teknologi Malaysia, Kajang, Malaysia

⁵Department of Communications and Networks, Renewable Energy Lab (RELL), Prince Sultan University (PSU), Riyadh, Saudi Arabia

⁶CEITEC RAD Centre, Faculty of Sciences, University of Coimbra, Coimbra, Portugal

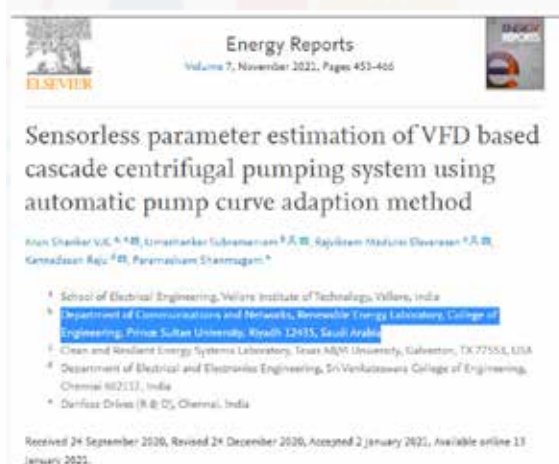
Correspondence
Padmanathan Kasinathan, Department of Electrical and Electronics Engineering and Center for Research and Development, Anna College of Technology, Thiruvananthapuram, Chennai 605006, Tamil Nadu, India.
Email: padmanathan@anna.ac.in

Abstract

Detection of crop diseases is imperative for agriculture to be sustainable. Automated crop disease detection is a major issue in the current agricultural industry due to its cluttered background. Internet of Things (IoT) has gained immense interest in the past decade, as it accumulates a high level of contextual information to identify crop diseases. This study paper presents a novel method based on Taylor-Water Wave Optimization-based Generative Adversarial Network (Taylor-WWO-based GAN) to identify diseases in the agricultural industry. In this method, the IoT nodes sense the plant leaves, and the sensed data are transmitted to the Base Station (BS) using Fractional Gravitational Wolf Optimization. This technique selects the optimal path for data transmission. After performing IoT routing, crop diseases are recognized at the BS. For detecting crop disease, the input image acquired from the IoT routing phase is then forwarded to the next step, that is, preprocessing, to improve the quality of the image for further processing. Then, Segmentation Network (SegNet) is adapted to segment the images, and extraction of significant features is performed using the acquired segments. The extracted features are adapted by the GAN, which is trained by Taylor-WWO. The proposed Taylor-WWO is newly devised by integrating the Taylor series and WWO algorithm. The

Sensorless parameter estimation of VFD based cascade centrifugal pumping system using automatic pump curve adaption method

The Sustainable Development Goal 7 necessitates efficient energy utilization and aligning energy efficiency targets to industrial machines would pave a way for prospective developments. Pumps are inevitable in commercial and industrial sectors and they contribute to nearly 22% of the global industrial energy utilization. Attesting the fact, this paper focuses on the energy-efficient operation of a pumping system by governing the speed using Variable Frequency Drives (VFDs).



Quality Management Practices of food manufacturers: a comparative study between small, medium and large companies in Malaysia



Article

Quality Management Practices of Food Manufacturers: A Comparative Study between Small, Medium and Large Companies in Malaysia

Ng Kim-Soon^{1,*}, Salama A. Mostafa^{2,*}, Mohammad Nurunnabi^{3,*}, Lim Hui Chin¹,
Nallapaneni Manoj Kumar^{4,5,*}, Rabei Raad Ali² and Umashankar Subramaniam⁶

¹ Faculty of Technology Management and Business, University Tun Hussein Onn Malaysia, Johor 86400, Malaysia; hclim90@gmail.com

² Faculty of Computer Science and Information Technology, University Tun Hussein Onn Malaysia, Johor 86400, Malaysia; rabei.aljawary@gmail.com

³ Business, Society and Environment Lab (BSEL), College of Business Administration, Prince Sultan University, Riyadh 11586, Saudi Arabia

⁴ School of Energy and Environment, City University of Hong Kong, Kowloon, Hong Kong

⁵ Sustainable Solutionz, T Nagar, Chennai 600017, Tamil Nadu, India

⁶ Renewable Energy Laboratory, College of Engineering, Prince Sultan University, Riyadh 11586, Saudi Arabia; usubramaniam@psu.edu.sa

* Correspondence: ngksoon@gmail.com (N.K.-S.); salama@uthm.edu.my (S.A.M.); mnurunnabi@psu.edu.sa (M.N.); mnallapan2-c@my.cityu.edu.hk (N.M.K.)

Received: 3 August 2020; Accepted: 2 September 2020; Published: 18 September 2020



Abstract: Quality management (QM) has been intensively studied from the perspective of quality management practices (QMP) and market performance in the food manufacturing industry. However, in Asian countries, studies as regards to the sizes of food manufacturing companies are being neglected. Hence, this quantitative study investigates several aspects and focuses on the extent and level of QMP implementation among small, medium, and large food manufacturing

Educational Events

Recent Trends in EV and Battery Charging Infrastructures

5:30 PM, November 17, 2020



EV Charging technology is a rapidly growing market these days, but currently it is limited to pilot projects only. Though few key players are in the market, small scale industries dominating in this competition who are mainly power electronic firms manufacturing products like power panels, battery chargers, rectifiers etc and they entered into EV chargers market due to huge demands. This presentation covers the details of the EV and battery chargers and key players in the market both plugin and wireless charging technologies. Also, it explains the contribution of smart grids, smart buildings and smart cities to drive the EV charging market.

International Virtual Conference on Electrical Energy Systems (ICEES 2021)



Renewable Energy Lab (REL), College of Engineering, Prince Sultan University is organizing International Virtual Conference on Electrical Energy Systems (ICEES 2021) on February 11-13, 2021 as a partner Institution. SSN College of Engineering, Chennai, 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 Power Electronics, Smart Grid, Renewable Energy Sources, Energy Storage, and Electric Vehicle Charging. ICEES 2021 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 will be 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 will be published in IEEE Xplore at the discretion of IEEE.

Sustainable Development Report 2020

Climate Action





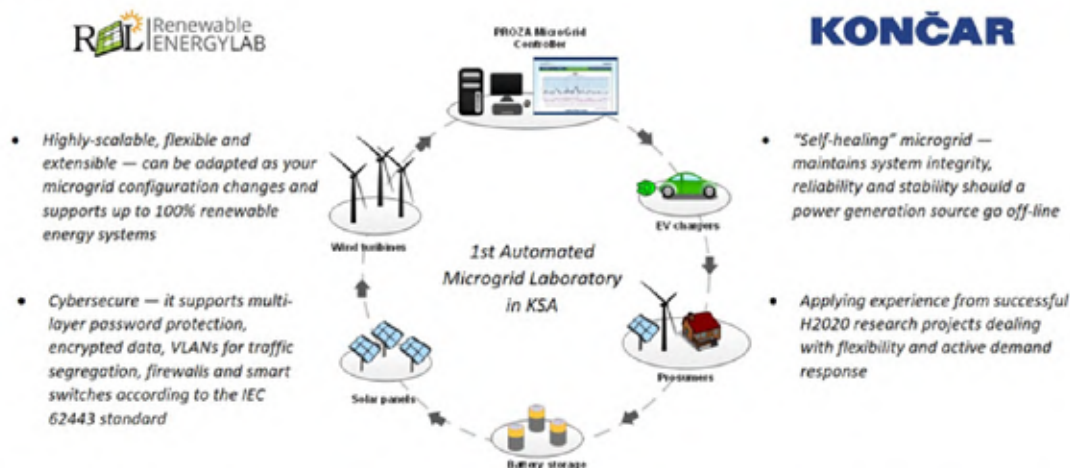
Climate Action ■

Prince Sultan University is attentive on bringing down the environment pollution and contribute in the fight 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 awareness on 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.

Impact example – Low carbon energy use

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.

1 Introducing custom-made techniques for local environment conditions like robotic panel cleaning etc. as per the SDGs 9 and 13

2 Setting up a remote monitoring and control station at Renewable Energy Lab for the performance analysis of installed lights





Research on Climate Action ■

PSU's scholarly output researches related to Climate Action in the past academic year has 497 views and 4.36 citations per paper.

Renewable Energy lab at PSU is showing serious commitment to encourage its researchers for increasing their productivity in this field.

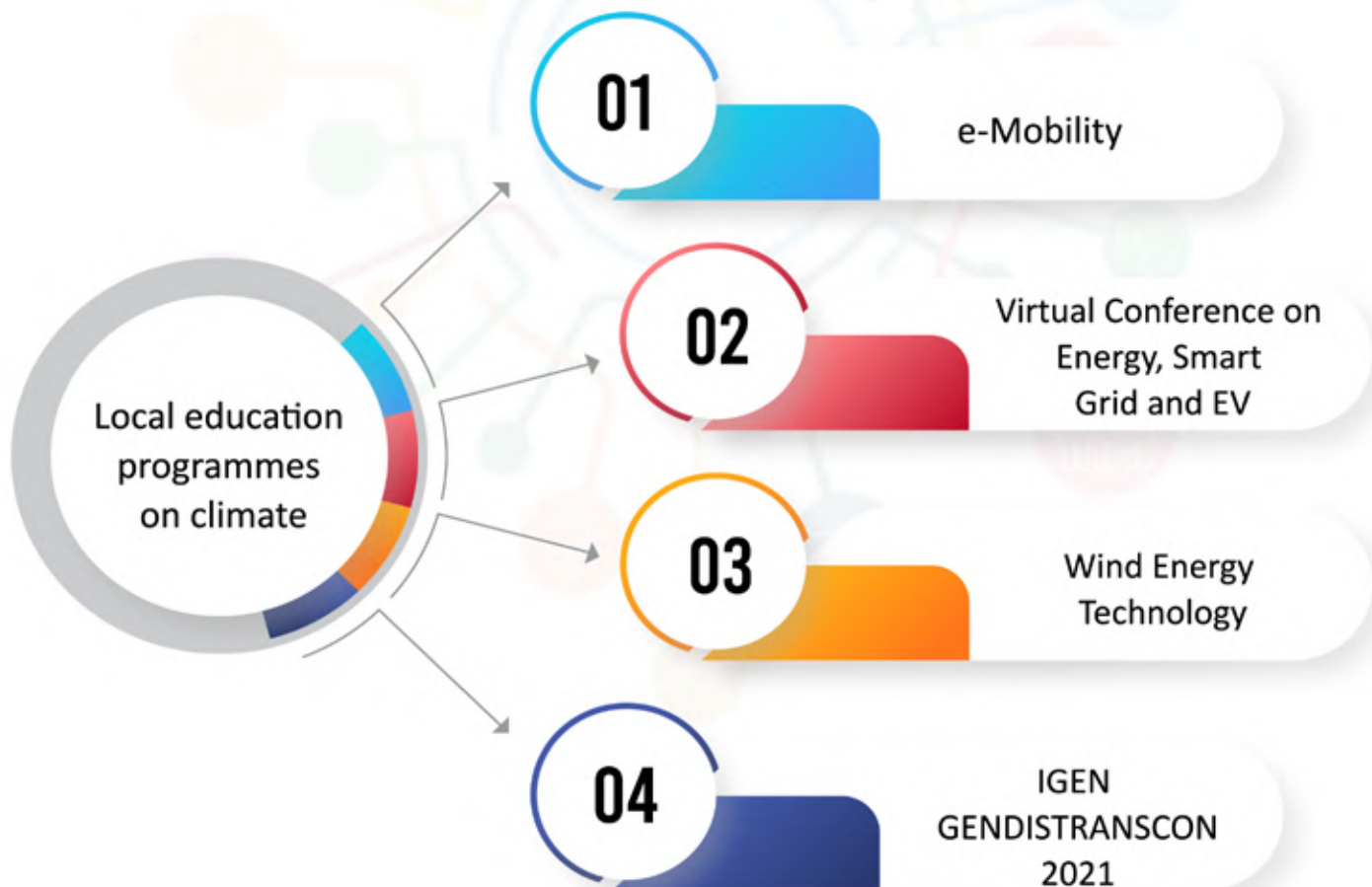


Number of views

Citations Per Paper

Environmental education measures

Renewable Energy Lab (REL), College of Engineering, Prince Sultan University has organized several events and conferences in association with Top ranking universities in the world in the 'climate change' theme.

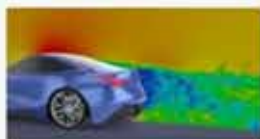




e-Mobility ■

e-Mobility

June 23, 2020 | 11:30 am



Delivering e-Mobility to the masses is not only a huge investment, but a significant operational undertaking. As OEMs, suppliers and emerging vehicle manufacturers invest billions to develop innovative electric vehicles, and optimize development and production processes, they are looking for a strategic partner to help realize their vision. Altair technologies are changing the way electric passenger, off-highway and autonomous vehicles are designed, enabling them to accelerate product development, enhance the energy efficiency, and optimize integrated system performance.

Agenda: 23 June

- e-Mobility research and development trends
- Leveraging virtual engineering platform for faster product development
- e-Mobility components - Light weighting, Advanced Material, Safety and Comfort, Electronics and Battery, Connected systems
- e-Mobility infrastructure design
- Advance Driver assistance system

Register !

(<https://attendee.gotowebinar.com/r>)



Umashankar Subramaniam

• Associate Professor,
Renewable energy Lab, College
of Engineering,
Prince Sultan University,
Saudi Arabia,

Speakers:

Mr. Prashanth Kulkarni

Industry Applications - Altair

Mr. Kamleshwar

Industry Applications - Altair

Mr. Manoj M

Industry Applications - Altair

Mr. Sandeep Ramagiri

Industry Applications - Altair

Mr. Sudhir Padaki

Industry Applications - Altair

Virtual conference on Energy, smart grid and EV ■

Virtual Conference on Energy, Smart Grid and EV:

9th July, 2020

Virtual Conference on
Recent Trends on
Renewable Energy, Smart Grid and
Electric Vehicle Technologies

Organized by: School of Electrical Engineering
in Association with



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).





Wind Energy Technology ■

The Department of Electrical and Electronics Engineering Technology and the IEEE Students Chapter of Jubail Industrial College cordially invites you for a free webinar on:

WIND ENERGY TECHNOLOGY

and Its Research Challenges - A Global and Saudi Arabia Perspective

Dr. Umashankar Subramaniam
Renewable Energy Lab, College of Engineering, Prince Sultan University

11 July 2020
11:30 - 2:00 PM
<http://egs.jcu.edu.sa/jcsp/CourseDetail.aspx?Id=4275>
No registration charges and active participants will receive certificates
Further Information Contact: Training@jcu.edu.sa

WWW.RCIT.GOV.SA

IGEN GENDISTRANSCON 2021 ■

IGen The Institution of Green Engineers

IGEN GENDISTRANSCON 2021

(INTERNATIONAL CONFERENCE ON ELECTRIC VEHICLE AND ENERGY STORAGE)

EMINENT SPEAKERS

Prof. Dr. Sanjeevikumar Padmanaban
Professor, CTF Global Campus-IGC Laboratories,
Department of Business Development and Technology,
Aarhus University, Herning, Denmark.

Dr. Erik Scholtz
Associate Professor, AMU, Energy
Faculty of Engineering and Science, Denmark.

Ex. Bhadrash B. Metha
Director, DLOD & Chief Lead Designer,
Samarcores Corp Ltd, Bhadrachalam, Odisha,
Bhubaneswar, India.

Prof. Dr. Umashankar Subramaniam
Professor and Distinguished Researcher,
Renewable Energy Lab, College of Engineering,
Prince Sultan University,
Riyadh, Saudi Arabia (1158).

Ex. Anil Thomas
Head, PSE, DPM, GE.

Dr. Arunachalam Sundaram
Associate Professor, Jubail Industrial College,
Kingdom of Saudi Arabia, Al Jubail.

Prof. Dr. Mayilvelnathan Vivekananthan
Senior Expert, International Supermarket,
McGill-IES, Green Building Consultancy and Energy Audit specialist,
Power Quality Audit, Water Audit, ADR-Consultant.

November 27-28

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An Invite From
Mr. S. Senthil Kumar,
Organising Chairman,
Director IGEN

Dr. K. Geetha
Organising Secretary
Dr. S. Gomathi
Joint Organising Secretary





Research ■

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International Journal of
INTELLIGENT SYSTEMS

RESEARCH ARTICLE

Intelligent optimization for charging scheduling of electric vehicle using exponential Harris Hawks technique

Ramkumar Devendiran ✉ Padmanathan Kasinathan ✉ Vigna K. Ramachandaramurthy, Umashankar Subramaniam, Uma Govindarajan, Xavier Fernando

First published: 07 June 2021 | <https://doi.org/10.1002/int.22531>

Article

A Novel Deep Learning Based Model for Tropical Intensity Estimation and Post-Disaster Management of Hurricanes

Jayanthi Devaraj ^{1,*}, Sumathi Ganesan ^{1,*}, Rajvikram Madurai Elavarasan ² and Umashankar Subramaniam ^{3,4}

- ¹ Department of Information Technology, Sri Venkateswara College of Engineering, Chennai 602117, India
² Clean and Resilient Energy Systems (CARES) Laboratory, Texas A&M University, Galveston, TX 77553, USA, rajvikram787@gmail.com
³ Department of Communications and Networks, Renewable Energy Laboratory, College of Engineering, Prince Sultan University, Riyadh 12435, Saudi Arabia; umashankar@psu.edu.sa
⁴ Correspondence: jayanthi@vsnl.ac.in (J.D.); gsamath@vsnl.ac.in (S.G.)



Citation: Devaraj, J.; Ganesan, S.; Elavarasan, R.M.; Subramaniam, U. A Novel Deep Learning Based Model for Tropical Intensity Estimation and Post-Disaster Management of Hurricanes. *Appl. Sci.* **2021**, *11*, 4120. <https://doi.org/10.3390/app1104120>

Academic Editor: Mauro Camilli

Received: 6 April 2021
 Accepted: 22 April 2021
 Published: 30 April 2021

Publisher's Note: MDPI stays neutral with regard to jurisdictional claims in published maps and institutional affiliations.

Abstract: The prediction of severe weather events such as hurricanes is always a challenging task in the history of climate research, and many deep learning models have been developed for predicting the severity of weather events. When a disastrous hurricane strikes a coastal region, it causes serious hazards to human life and habitats and also reflects a prodigious amount of economic losses. Therefore, it is necessary to build models to improve the prediction accuracy and to avoid such significant losses in all aspects. However, it is impractical to predict or monitor every storm formation in real time. Though various techniques exist for diagnosing the tropical cyclone intensity such as convolutional neural networks (CNN), convolutional auto-encoders, recurrent neural network (RNN), etc., there are some challenges involved in estimating the tropical cyclone intensity. This study emphasizes estimating the tropical cyclone intensity to identify the different categories of hurricanes and to perform post-disaster management. An improved deep convolutional neural network (CNN) model is used for predicting the weakest to strongest hurricanes with the intensity values using infrared satellite imagery data and wind speed data from HURDAT2 database. The model achieves a lower Root mean squared error (RMSE) value of 7.6 knots and a Mean squared error (MSE) value of 6.68 knots by adding the batch normalization and dropout layers in the CNN model. Further, it is crucial to predict and evaluate the post-disaster damage for implementing advance measures and planning for the resources. The fine-tuning of the pre-trained visual geometry group (VGG 19) model is accomplished to predict the extent of damage and to perform automatic annotation for the image using the satellite imagery data of Greater Houston. VGG 19 is also trained using video datasets for classifying various types of severe weather events and to annotate the weather event automatically. An accuracy of 98% is achieved for hurricane damage prediction and 97% accuracy for classifying severe weather events. The results proved that the proposed models for hurricane intensity estimation and its damage prediction enhances the learning ability, which can ultimately help scientists and meteorologists to comprehend the formation of storm events. Finally, the mitigation steps in reducing the hurricane risks are addressed.

Keywords: deep learning (DL); hurricanes; convolutional neural network (CNN); visual geometry group (VGG 19); data augmentation (DA)

Sustainable Development Report 2020

Life Below Water



Life Below Water ■

Healthy oceans and seas are very important to lead a healthy life with sound environment.

Although aquatic space covers about 70 percent of our planet, humankind is damaging these precious resources of water, food, and energy by polluting them. It is the responsibility of every one of us to protect marine life around the world.

The research institutions and academia can play an important role in raising awareness and conducting campaigns to stop harming the aquatic space. The research should target at reducing the pollution and restoring the ecosystem by reducing ocean acidification. This can be accomplished through cooperation at all levels. Joint efforts should be put to reduce and regulate overfishing. Global universities should encourage scientific research, knowledge, and technology to protect and safeguard the health of seas and oceans.

The implementation of sea law and the introduction of sea law under law curricula will help tremendously to raise awareness among the younger generation to be conscious of the bad effects on our lives in an unhealthy ecosystem.

Healthy oceans, clean water, and preserved aquatic resources are essential to lead a better life and to stay healthy.

Metrics ■

Supporting aquatic ecosystems through education

The university, through its colleges and programs, provide understanding and information on supporting aquatic ecosystems. The programs provide courses, from its disciplines, that speaks about environmental impacts of their field of work to students.

Fresh-water Ecosystems (Community Outreach)

The College of Law, through its courses such as Law462 International Environment Law, talks about the Saudi Law and explores public international law in the context of global environment. International environmental issues to be studied include biodiversity, climate change, ozone depletion, sustainable development, Antarctica, toxic substances, nuclear weapons and waste, and transboundary pollution.



Supporting aquatic ecosystems through action

Conservation and Sustainable Utilization of the Oceans (events)

The University supports research on climate change and activities to promote sustainable environment.

Sabic "An Environment without waste" Participation



Center for Local Governance Article on Climate Change"



General Session
about
GREENING
The Curriculum

February 18th , 2019
From 12:30 to 1:30
Building 105 Room #G-C01
By Dr. Alia Mitchell, PFHEA

General Session about
Greening the Curriculum

Sustainable Development Report 2020

Life On Land



Life on Land ■

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

Prince Sultan University is committed to ensuring its land preservation by implementing its policy on plastic waste reduction and policy on hazardous waste disposal.

Metric ■

Land sensitive waste disposal

Policy on plastic waste reduction & Policy on hazardous waste disposal

**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

Waste Handling and Disposal Channels

Waste Category	Handling Approach	Channel
Solid Landfill waste	Disposal using appropriate channel	Municipal Waste Disposing network
Electronic Waste	Recycling through specilzed agencies recommended by the Municipality	Specialized agencies for disposing electronic waste
Publications and Paper Waste	Recycling or donation through recommended agencies or recognized charity organizations	Philanthropic societies and organizations
Hazardous Material Waste	Disposal through trusted specialized agencies recommended by the Municipality	Trusted specialized agencies for disposing hazardous waste
Reusable Furniture and Equipment	Donation to needy people and organizations through charity organizations	Recognized charity organizations
Carbon and gas emissions	Minimization or prevention	Instructions, regulations, and guidelines
Plastic waste	Minimization or prevention	Instructions, regulations, and guidelines

Implementation:

- The maintenance unit establishes guidelines and processes for waste management and disposal
- Disseminates guidelines and monitor the process
- Outsource the recruitment of cleaners and workers to manpower agencies
- Raise reports to superiors and the quality assurance committee

Sustainable Development Report 2020

Peace, Justice and Strong Institutions





University Governance Measures ■



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



Elected Representation

Student Council

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

List of Student Councils Members
for Academic Year 2021-2022

#	Name	Position in the Student Council	Campus	Name	Position in the Student Council	Campus
1	Hussein Alaswad	President	Male	Lulwa AlJared	President	Female
2	Ibrahim Sadeeqi	Vice-President	Male	Renad Algarni	Vice-President	Female
3	Abdulwasay	Secretary	Male	Yusra Meskinyar	Member	Female
	Mohammed Abdul quddus					
4	Bader Alshuraie	Speaker of the Council	Male	Maryam Khan	Member	Female
5	Ameen Al-sous	Treasurer	Male	Ghada Alyemni	Member	Female
6	Saud Al-hamdan	Coordinator	Male	Farah Sayis	Member	Female
7	Khalid Alahmari	Member	Male	Farah Saad	Member	Female
8				Masha'al AlMousa	Member	Female
9				Leena AlMousa	Member	Female



Student Clubs

EdTech Club orientation session

Want to know who we are and
what we do?
Join our session online!

12:00-1:00 6th Sept

Nora Alqahtani
Arwa Alturki PSU community

<http://meet.google.com/kjc-kasc-jrf>

[Click on the link](#)

DO YOU NEED COMMUNITY SERVICE HOURS?

JOIN TOASTMASTERS TO COMPLETE YOUR PROFESSIONAL
DEVELOPMENT AND COMMUNITY SERVICE HOURS TODAY!

For more information contact:

Dr. Tahira Hoke thoke@psu.edu.sa	Dr. Alia Mitchell cmitchel@psu.edu.sa	Dr. Hala Bilal Sirror hsirror@psu.edu.sa
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REMINDERS AND MORE!

- Earn US certificates.
- Start new clubs.
- Mentor community clubs.
- Train leaders.
- Judge speech contests.
- Network with community leaders.

Student Club Activities

Digital Media Club: 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.



The Deanship of Student Affairs recognizes the importance of student clubs and their roles in the overall development and morale of university students. Towards that end, the DSA encourages students to submit club proposals which are vetted and assessed en route to being listed as a DSA recognized student club. The Deanship of Student Affairs offers two types of Clubs: academic, and non-academic. This ensures that the university students' needs are met whereby their overall academic performance can improve by becoming a part of academic clubs and their spirits can be lifted by the recreational clubs.





University Council



University Council is the highest governing body in the university. The Council is presided by the PSU President and composed of the Vice Presidents (Academic Affairs & Research, Financial and Administrative Affairs) and the Deans of all colleges. The Council decides on the different academic

Student Clubs and Activities

Prince Sultan University encourages the different colleges to have clubs to create a recreational and opportunities to enhance the skill sets of the students in their areas of interest. There are many students' clubs and they are categorized as "specialized students Clubs" and under the web page of each college. Many activities are organized and most of them target the Community as a whole

Finance Club

Offering a suitable environment for students who are interested in finance to participate in activities, visit and workshops. We hope to increase the awareness of the students about finance and its effect on their life.



financeClub@psu.edu.sa

Law Club

We are looking forward – passionately – to be part of the learning process and for it to be valuable, beneficial and a continuation for the academic study throughout events and various activities.



lawClub@psu.edu.sa

Computer Club

Cares about making activities, workshops or events for the students in order to develop the students' knowledge.



computerClub@psu.edu.sa

Production Club

The club aims to support the students through rising awareness, helping or advising them in order to keep up with vision 2030.



PMEMClub@psu.edu.sa

Construction Club

The club's purpose is to support, aware students to participate in events, help the society and keep up with vision 2030.



constructionClub@psu.edu.sa

Marketing

Interested in everything that deals with marketing or business management through making meetings or workshops that develop the students' skills and increase their experience in this major.



marketingClub@psu.edu.sa



Student Clubs and Activities



Tatweer

We aim toward improving the Communication and Network students' knowledge and experience in their major through events and visits to pioneer in this field.



DevelopmentClub@psu.edu.sa



Accounting Club

Strengthening and preparing students to gain accounting knowledge through brightening their technical skills through offering them workshops and meetings related to their major. Therefore, our club completing the academic study.



accountingClub@psu.edu.sa



PSU Youth

PSU Youth aims to provide opportunities to students that build their skills and develop their confidence and develop their personal talents.



youthClub@psu.edu.sa



Namaa Club

We are the sons of PSU we aim to be part of vision 2030 where our plan is to Collimate with KSA's plan in developing and enhancing all the society in entertainment and education part of life.



namaaClub@psu.edu.sa



Spectrum club

To be the VOICE of students at PSU. To Bring information and latest on-campus buzz to people associated with PSU and to provide a platform for others to express their talent and creativity.



spectrumClub@psu.edu.sa



Cinema Club

It's a club to raise the awareness about cinematics and to document events of the university.



cinemaClub@psu.edu.sa



Theatre Club

The club provides events and theatrical scripts in various fields on the stage offering what's fun and beneficial for the university.



TheatreClub@psu.edu.sa



Toastmaster Club

Toastmasters aims to develop leadership and speaking skills in its members by creating a positive environment that helps them become creative and gives them the courage to step out of their comfort-zones.



toastmasterClub@psu.edu.sa



Vision Club

Aims to develop non-academic skills in its members by providing to them some events and visits in which they gather information and experience. This clubs goes in parallel with 2030 Vision of Kingdom of Saudi Arabia.



Visionclub@psu.edu.sa



3D CLUB

Aims to develop the skills of students and increase their awareness of 3D modeling and share the importance of 3D modeling and its role in multiple engineering fields.



3Dclub@psu.edu.sa



Entrepreneurship CLUB

Aims to Encourage the student's interest in entrepreneurship Club, enhance business knowledge, and build business knowledge, and build confidence in every student at prince Sultan university.



entrepreneurshipclub@psu.edu.sa



Cyber Security

Aims to spread security and privacy awareness and provide students who are interested in cybersecurity with the technical resources needed to advance their cybersecurity careers.



Cybersec.club@psu.edu.sa



Aviation Club

aims to EDUCATE, ENABLE and INSPIRE students to ACHIEVE their DREAMS in AVIATION and help them to have good knowledge and experience in different areas in aviation.



Aviation@psu.edu.sa





Student Clubs and Activities



Digital Literary Club

Raising awareness of the humanities' role in technological design especially with AI bias, gender roles, inclusion, and diversity.



Environment Club

Spread awareness of the environment



Eradah Club

Eradah is a student-based club that aims to strengthen and enhance members' willpower by exposing them to various skill based programs, activities and events.



Intercultural Club

Align activities with Vision 2030 categories for volunteering, promoting life-long learning, cultural development, and Youth Empowerment.



Student Empowerment Club

Bridge the gap between the knowledge students learn in their majors and the skills needed by the job market



Translator Club

Increase their community's awareness and social connections regarding the role of translation and the translator.



Architecture Club

Architecture Club aims to develop students' skills by exploring the developments of architecture and the fast updates of the science. Arch Students communicate with the Engineering consulting offices and benefit from their experience.



Heritage Club

Recognizing the various types of heritage and their importance, and urging interest in preserving and benefiting from them.



Civil Engineering Club

The Civil Engineering club offers great opportunities to help PSU students broaden their scope of knowledge in the field of construction and the most modern techniques in applications along with structural systems and construction techniques. This will enhance the students' experiences throughout various activities, including workshops, and field trips, which will be organized and conducted by PSU faculty in the public, with the generosity service department's support.



CivilEngineeringClub@psu.edu.sa



Hullah Club

This club aims to encourage female students and motivate them to understand, experience and apply the holy Qur'an in their practical life, thus enhancing the connection with the Islamic studies courses that the student studies and makes better use of them. This club provides weekly sessions for memorizing the Qur'an and connecting the recitation, monthly lectures interpreted under the light of the Qur'an.



hullah.club@gmail.com

Nazaha Club

The club aims to promote the development of students' self-monitoring by strengthening a culture of integrity, anti-corruption and a sense of belonging through positive values that protect society.



nazaha.club@psu.edu.sa

Psychological awareness Club

Psychological awareness Club was established in 2014 under the umbrella of Directorate of Educational Services. It was represented by General science faculty members in different academic years. The Main Objectives of the club is to spread the awareness about how to improve mental health and well-being.



psu.psych@gmail.com

Cultural Club

The goal of this club is to provide educational and enlightening learning activities to all students as well as participants from local universities. Moreover, the Cultural Club then to organize its events and activities for the purpose of attracting more students to participate in discussion and exchange of reading experiences about various topics.

In a word, what the PSU Literary Cultural Club aims to do is to provide a golden opportunity for all the participants, including those from partner universities, and help them develop critical learning skills by being part in all the educational activities hosted by this club.



cultural.club@psu.edu.sa



Data Science Club

The Data Science club was established under the support of the Artificial Intelligence & Data Analytics (AIDA) Research Lab to create awareness about the importance of Data Science/Data Analytics & prepare the students with high technical abilities and skills which can allow them to perform their roles efficiently and raise their skills in areas of Data Science in order to achieve the best career opportunities and self-professional excellence. Students should be able to deliver technical knowledge to the community. The club aims to develop professional certification programs, training, and courses for students.



ds.club@psu.edu.sa

Book and Coffee Club

The purpose of the club is to give the students of PSU a platform to share their knowledge about books through seminars, workshops, and various other activities.



bookandcoffee.club@psu.edu.sa



E-commerce Club

We are dedicated to raise awareness of the different aspects of e-commerce through benefiting both members and non-members of PSU. We aim to build collaborations through information sharing by industry professionals, networking and events.



ecommerce.club@psu.edu.sa



Math Club

Math Club aims towards providing awareness about the beauty and fun of mathematics. We provide several activities and workshops that enhance students' mathematical skills and logical thinking, which help them explore the scientific world around them.



Digital Media Club

Digital Media club was founded back in 2016, intended to those who love graphic design, computer animation, videography and games. It is established to expose PSU students to the Digital Media professions and provide a platform for students/instructors/industry experts to share and present their creative ideas. In addition, it may assist students in improving their design and professional skills. The club has managed to organize many digital media showcases, workshops, training and provide COOP opportunities to the members and participants.



psu.dmc@gmail.com



EdTech Club

The Ed Tech Club is focused on the adoption of various educational tools in order to enhance PSU students' learning skills, to facilitate communication between them and help students to collaborate outside the university context hours. It also provides its members with an assortment of activities, such as guest speakers, hackathons, and free learning.



edtech@psu.edu.sa



Identify and Engage with Local Stakeholders

Stakeholders involvement policy

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

CBA Advisory Board/Industrial Board

In an attempt to improve the CBA programs and provide the markets with qualified and skilled graduates, The CBA Council is advised by the CBA Industrial Advisory Board, which consists of business, government, and academic leaders as well as alumni from a cross-section of industries, government bodies, and higher education institutions in KSA.

MOU with Saudi National Committee for Workers Committees - Oct 2020

PSU, represented by the Global Small and Medium Enterprises Policies Network (GSPN), signed a memorandum of understanding with the National Committee of Labor Committees in the Kingdom (SNC/L20), according to which a joint framework will be developed between the two parties in the field of knowledge and research.



MOU with Saudi Cyber Security Authority-Dec 2020



PSU, represented by the Global Small and Medium Enterprises Policies Network (GSPN), signed a memorandum of understanding with the National Committee of Labor Committees in the Kingdom (SNC/L20), according to which a joint framework will be developed between the two parties in the field of knowledge and research.





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University Principles on Corruption and Bribery

Principles and Commitments on Organized Crime, Corruption & Bribery

The policy on principles on organized crimes, corruption and bribery intends to identify the different forms of corruption inside the university that affect modern society and its progress. The policy focuses on clear responsibilities of the faculty member and the program administrator defined in their job description.



Nazaha Executive Document (The National Anti-Corruption Commission)



مشروع التوجهات الاستراتيجية
للهيئة الوطنية لمكافحة الفساد



مبادرة أندية نزاهة
(الخطة التنفيذية)
الإدارة العامة لتعزيز النزاهة

The executive document on "Nazaha" (Integrity) is an initiative launched by the Saudi National Anti-Corruption Commission aiming at creating a work environment of honesty, integrity, transparency, and accountability by encouraging the universities to have "Nazaha Clubs" to raise awareness on the importance of educating young people on integrity and combat corruption.

Nazaha Club

Nazaha Club at PSU is the initiative of the Saudi National Anti-Corruption Commission in collaboration with Prince Sultan University (PSU) targeting the young students at the Saudi universities. The club activities focus on training and educating the youth on integrity norms and values.

The president of Nazaha Anti-Corruption Commission was invited by "Nazaha" Club to give a presentation on ' the Riyadh Initiative To enhance international cooperation to combat corruption, an initiative launched by Saudi Arabia, under the umbrella of The United Nations office of Drugs and crime.





Academic Freedom Policy

The policy refers to the academic freedom inside the academic institutions. PSU Teachers and students are free to inquire, to study, and to evaluate. The academic freedom in teaching and learning and research will serve the academy and the long-term interests of the society and will lead to the advancement of knowledge.



Women in Data Science (WIDS) Conference 2021



Women in Data Science (WIDS) Conference. It is a program in collaboration with Stanford university aiming at fostering interest and professional participation by women not only in data science but also in other fields, such as; engineering. The event is held at Stanford University and has 150 locations in the world. It aims at inspiring and educating data scientists and supporting women in the field. Prince Sultan University is a WIDS ambassador for Stanford.

PSU RIC Research Labs

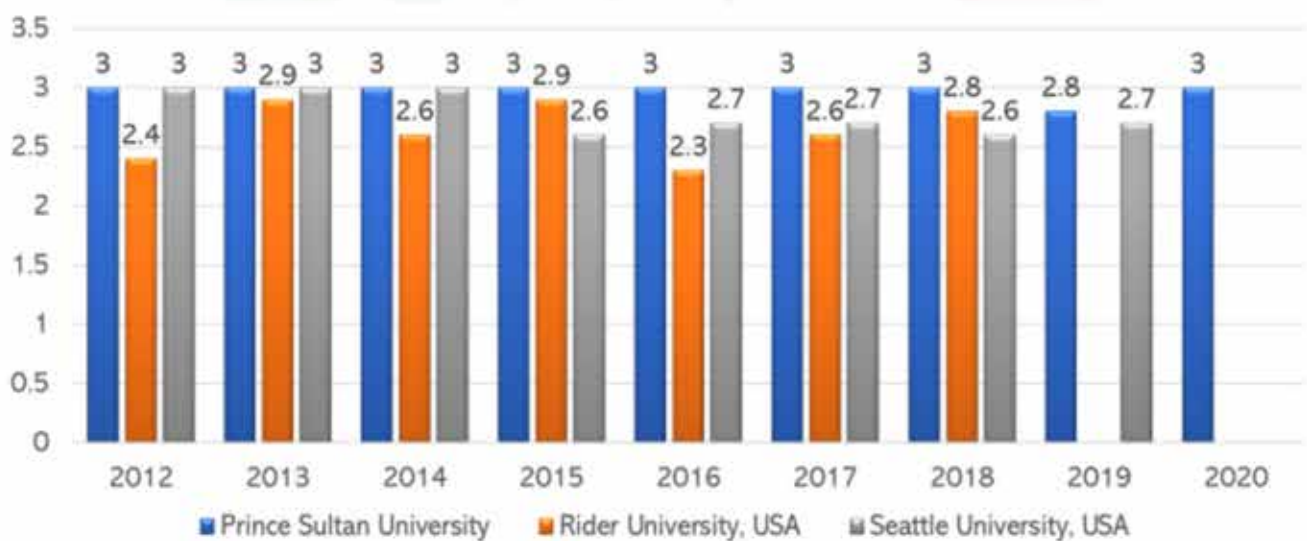
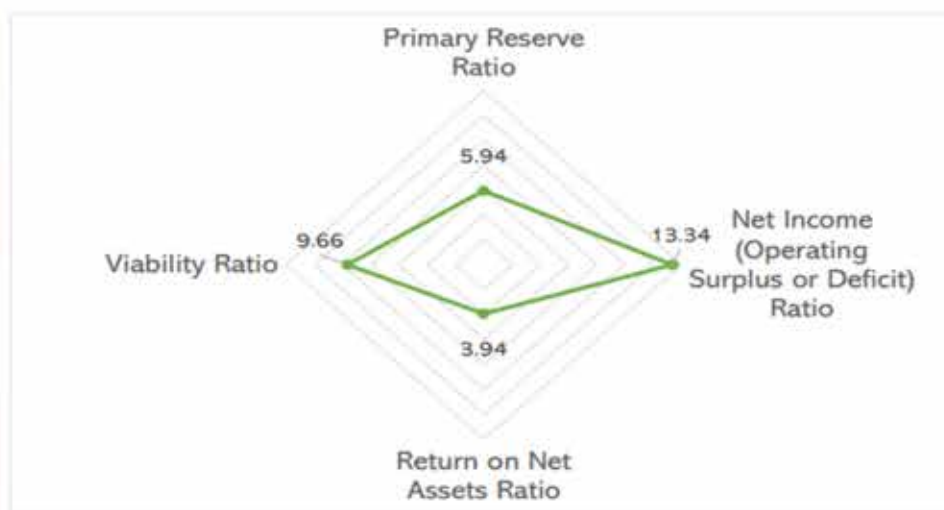
Several Labs have been established by various PSU Colleges. The Labs is a group of researchers from diverse and integrated academic disciplines. The Lab members are free to make their strategic plans to conduct research work on various socio-legal and socio-economic issues.

According to PSU policy, each college should have at least one Lab based on certain research themes. College of Law has the following research themes approved by the RIC:

- Information Technology and Legal issues
- Climate Change, sustainability, and environmental law
- Commercial Law, Corporate Governance, and Islamic Law of Banking and Finance



Economic Sustainability of PSU in 2020-2021



Note: Data is not available from US in 2020; 2019 data is not available for Rider University





Working with Government

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

Provide expert advice to government

Municipal Councils in the G20 Countries Symposium -Nov 2020



The Center for Local Governance at PSU held a virtual symposium titled "Municipal Councils in The G20 Countries" in cooperation with the Ministry of Municipal and Rural Affairs to discuss related insights and models of municipal government as part of PSU's efforts to contribute to Saudi Arabia's presidency of the G20 Summit.

MOU with Saudi National Committee for Workers Committees - Oct 2020

The Global Small and Medium Enterprises (SME) Policy Network (GSPN) at Prince Sultan University has signed a memorandum of understanding with the L20 and Saudi National Committee of Workers Committees (SNC) to provide scientific research and other expert advice to SNC on labor and employment in Saudi Arabia.



Center for Local Governance



The Center for Local Governance at Prince Sultan University is responsible for conducting research and studies, advisory services, conducting events, and designing specialized management training courses for a multitude of national governmental agencies. As well as hosting special governmental projects.



Policy and Lawmakers Outreach and Education

Webinar - Impact of the second wave of the #Covid_19 on global employment" - Nov 2020



The #G20 #Labour20 in coordination with Prince Sultan University's Global SME Policy Network (GSPN) Webinar on "The Impact of the Second Wave of #COVID19 on Global Employment" held on 4 November 2020, I had the honour of engaging some amazing panelists including: Professor Vaughan Scott, Professor Mohammad Nurunnabi CMA, SFHEA, FRSA, FAIA(Acad), CMBE, and Professor Gabriel Paron-Cid. Ms. Gabriella Kusz (Global Public Policy and Program Management, Chicago, United States; GSPN) was the moderator of the session.

Faculty of Engineering and the Association of Communication for helping techniques for people with disabilities - Nov 2020

Within the initiatives of _Prince Sultan University (PSU) in community service, a meeting was held between the Faculty of Engineering and "Tawasul" (Connection) Association For Assistive Technologies for people with disabilities in order to cooperate in 3D printing and to benefit from the University's factories output. A joint specialized workshop between the Faculty of engineering and " Tawasul" Association will be organized.



Elite Program in Collaboration with Monsha'at



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





Participation in government research

UN-PSU Diagnostic Paper Launch Event (UNDP) - Dec 2020



The Report summarizes the economic and social landscape of KSA with a focus on the impact of COVID-19 and the oil price crisis, utilizing the leave no one behind (LNOB) lens, and further enlarges the set of possible UN support and policy recommendations, including the ones already included in the earlier UN in KSA COVID-19 Capacity Brief. This assessment, analysis and policy recommendation set, with a particular focus on the most vulnerable groups, is based on the five development pillars highlighted in the UN Framework for Immediate Socio-economic response to COVID-19. . .

Webinar - Impact of the second wave of the #Covid_19 on global employment" - Nov 2020



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Center for Local Governance

The Center is the first think tank in the Kingdom of Saudi Arabia specialized in local governance. The center is recognized as the first non-profit research center, affiliated with Prince Sultan University, that combines theory and practice, making it a partner for decision makers in setting goals.





Neutral Platform to Discuss Issues

COE Meeting with Saudi Human Rights Authority - Oct 2020



The College of Engineering Dean and Vice Dean at Prince Sultan University has met a delegation from the Saudi Human Rights Commission to discuss issues related to the education of women in the field of engineering and steps taken by the university towards creating an inclusive engineering environment for women.

United Nations Development Program Visit



Prince Sultan University welcomed a delegation from the United Nations Development Program (UNDP) led by the Resident Representative of the program in the Kingdom of Saudi Arabia, Dr. Adam Polokos; To discuss details of joint cooperation between the university and the program.

SAIP visit - Sept 2020



A delegation from the Saudi Authority for Intellectual Property (SAIP) Headed by His Excellency Dr. Abdulaziz Al-Suwailem, CEO of the Commission, has visited Prince Sultan University and met with the university's president to discuss issues related to intellectual property and aspects of cooperation in the areas related to the topic.



Graduates in Law and Enforcement Related Courses



Reference: Academic year 2020



Sustainable Development Report 2020

Partnerships for the goals





Relationships to support the goals ■

Relationships with NGOs and govt for SDG policy

PSU has both direct and indirect involvement in, or input into, national government SDG policy development. Each year PSU submits relevant data to Ministry of Education and ETEC.



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Home ▾ Opinion & blogs ▾ A global think tank is helping policy makers tackle the impact of COVID-19 on SMEs

A global think tank is helping policy makers tackle the impact of COVID-19 on SMEs

7th December 2020

Share this content

Author: Dr. Mohammad Nurunnabi, PhD, CMA, SPHEA, FRSA, FAIA (Acad), CMBE

Businesses around the globe have been hit hard by the COVID-19 crisis, causing many governments to step in with stimulus packages to help them survive. The Organisation for Economic Co-operation and Development (OECD) reports that Small and Medium Enterprises (SMEs) are particularly vulnerable and as many as 50% could close within the next three months. The International Labour Organization (ILO) also calls attention to the implications of the crisis on businesses, particularly SMEs, warning that without intervention half of the global workforce could lose their livelihoods.

Accurate data on the impact of COVID-19 on SMEs is essential in helping governments and international organisations take appropriate action, but it is often hard to obtain and disparate. To turn this around, Prince Sultan University (PSU) in Saudi Arabia has created a global think tank to gather SME data from across the world. The **Global SME Policy Network (GSPN)** is a group of researchers, business and policy experts who are working together to provide data driven policies.

UNESCO – Futures of Education



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

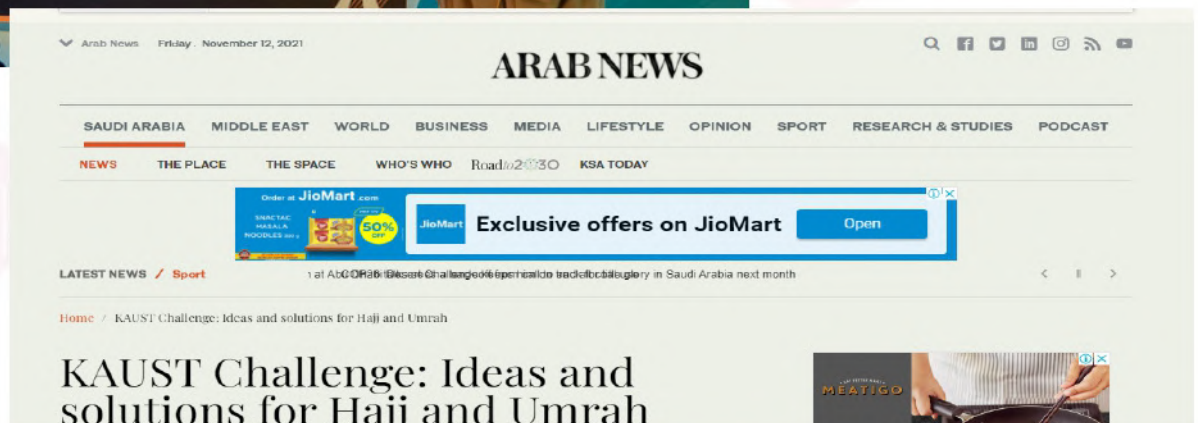




Cross sectoral dialogue about SDGs ■

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

Robotic & Internet of Things Lab (RIOTU) in the 8th run of the International Conference of Islamic Applications





PSU's Artificial Intelligence & Data Analytics Club (AIDA) held a conference titled "Women in Data Sciences (WIDS)"

WOMEN IN DATA SCIENCE
RIYADH @ PSU

IMPACT OF COVID-19 ON WOMEN AND ROLE OF DATA SCIENCE-PANEL TALK

Dr. Seema Gul, Assistant Professor Psychology, Deanship of education Services, Prince Sultan University - Moderator
 Dr. Vassilou Evangelia MD, PhD,
 Dr. Anna Mahmood, Dean, faculty of social sciences International Islamic University Islamabad Pakistan
 Dr. Vana Sypsa, Associate Professor of Epidemiology and Medical Statistics, National and Kapodistrian University of Athens, Greece
 Prof. Ghazala Rehman, Consultant Clinical Psychologist / Director GMHSL Surrey UK

THEMES FOR WIDS 2021

- Track I: Data Science and Artificial Intelligence during COVID 19
- Track II: Data Science in Law, Business, Urban Infrastructure, and Digital Humanities
- Track III: Latest Trends and Techniques in Data Science

Event Statistics

Number of attendees: 1426
 Total Likes: 17880
 Total Messages Public: 769
 Total Questions Asked: 93
 Nos of Meetings done in the public lounge: 384
 Open Table Watch: 72
 Nos of Meetings done in exhibitor lounge: 453

The impact of the second wave of the COVID-19 on global employment

L20
SAUDI ARABIA 2020
LABOR

04 Nov 2020
13:30 pm - 15:00 pm (GMT+3)

The impact of the second wave of the COVID-19 on global employment

Moderator

Eng. Nasser A. Aljaryad
L20 CHAIR

Panelists

Ms. Gabriella Kusz
Global Public Policy and Program Management, Chicago, United States; GSPN

Professor Mohammad Nurunnabi
Prince Sultan University, Saudi Arabia; GSPN

Professor Gabriel Puron Cid
Center for Research and Teaching in Economics, Mexico

Professor Vaughan Scott
University of Louisville, United States

SNC
الهيئة الوطنية لتطوير الاقتصاد الوطني
Saudi National Committee of Women's Empowerment

Global SME Policy Network
PRINCE SULTAN UNIVERSITY





International collaboration data gathering for SDG ■

PSU has international collaboration with several universities to for gathering or measuring data related to the SDGs

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 Index for Health
and Well-being
Survey 2021t



June 03,2021

Global Survey: Impact of
COVID-19 on
Small and
Medium Enterprises (SME)

Are you managing an SME?

Take the Survey!

Help us establish a precise picture as to how the COVID-19 pandemic affected SMEs.

GSPN, UNITED NATIONS UNCTAD, Hofstede Insights, SME FINANCE FORUM, B E F, HETHORIZONS, PRINCE SULTAN UNIVERSITY, COPARMEX, emerald PUBLISHING, L20, SUSTAINABLE DEVELOPMENT GOALS, QR code

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

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

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



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

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

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





Collaboration for SDG best practice ■

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

Research MOU between University of Sonora (UNISON), Mexico and Prince Sultan University



This Memorandum of Agreement between Prince Sultan University, Saudi Arabia and the University of Sonora (UNISON), Mexico were signed on 26 October 2017. Dr. Ahmed S. Yamani signed the MOU and expressed the opinion this advanced level research cooperation will strategically foster research effort of Prince Sultan University. The MOU highlighted the following areas: Exchanges of faculty and other research and technical specialists for short term and, as funding and other circumstances permit, longer-term visits; The design of collaborative research projects, including the development of formal proposals for funding of such research; Joint Research Conference; Benchmarking data; and Student exchange programs implemented as external funding for partial or full support of such exchanges at the graduate and undergraduate level is available.

PSU GEPN's partnership with Coursera



Global Education Policy Network (GEPN)

Dr Mohammad Nurunnabi CMA, FAIA(Acad), SFHEA, FRSA, CMBE
Initiative Leader – GEPN

Editor-in-Chief, [PSU Research Review: An International Journal \(PRR\)](#)

Aide to the Rector on Research & Internationalization

Prince Sultan University, Riyadh, Saudi Arabia

&

Academic Visitor (Senior Member)

St Antony's College, University of Oxford

Oxford, United Kingdom

Re: A Letter of Agreement of Knowledge Partnership between Coursera and Global Education Policy Network (GEPN)



The Implementation of Sustainable Development Goals in "BRICS" Countries



Article

The Implementation of Sustainable Development Goals in "BRICS" Countries

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Received: 23 June 2018; Accepted: 14 July 2018; Published: 18 July 2018





Collaboration with NGOs for SDGs ■

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.

Student Volunteering Programmes

YDA Club Accomplishments



Namaa Club Accomplishments



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Research Programmes

National Technology Development Program (NTDP)'s Tech Research Challenge



The National Technology Development Program (NTDP) is running an initiative called the Tech Research Challenge and PSU is one of the few universities in the kingdom that is participating in the challenge. This initiative brings together companies, universities, and research centers through a competition.

1. The competition involves companies presenting practical technology challenges.
2. Universities and research centers then take up those challenges, assembling work teams of students and researchers to find solutions.
3. With the best winning awards and accomplishment certificates.

Robotics & Internet of Things Lab (RIOTU) took first place in a competition by King Abdullah University for Sciences & Technology

Robotics & Internet of Things Lab (RIOTU) took first place in a competition by King Abdullah University for Sciences & Technology. The team participating in the competition "Ideas & Solutions for Hajj & Umrah 2020" consisted of RIOTU's director Dr. Anis Koubaa, Dr. Adel Ammar, Dr. Mohammed Abdelqader, Bilal Judairah, Anas Kunohash, and Yasser AlHabshi. All of whom made first place regarding Transfer and Transportation.



Research & Initiatives Center at PSU and Business Incubator (i-be) released the "PSU BI" Program





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2021
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Research & Initiatives Center at PSU and Business Incubator (i-be) released the "PSU BI" Program in an effort to encourage initiative in male & female students as it pertains to the business field.





Development of Educational Resources

PSU signed an MoU with Albir Charitable Organization in support of Community Service



PSU's collaboration with Monsha'at and Elite





Education for the SDG's ■

CAD كلية العمارة والتصميم
COLLEGE OF ARCHITECTURE AND DESIGN

CBA كلية إدارة الأعمال
COLLEGE OF BUSINESS
ADMINISTRATION

CCIS كلية علوم الحاسب والمعلومات
COLLEGE OF COMPUTER &
INFORMATION SCIENCES

CE كلية الهندسة
COLLEGE OF ENGINEERING

CHS كلية الإنسانيات والعلوم
COLLEGE OF HUMANITIES AND SCIENCES



Our team ■

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PSU's commitment to SDG 2030

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

Vision

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

Mission

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

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