



ANNUAL REPORT 2021





PRINCE MOHAMMAD BIN FAHD
UNIVERSITY





His Royal Highness

PRINCE MOHAMMAD BIN FAHD ABDULAZIZ AL SAUD

Chairman of the PMU Board of Trustees



His Royal Highness

PRINCE TURKI BIN MOHAMMAD BIN FAHD BIN ABDULAZIZ

Deputy Chairman of the PMU Board of Trustees

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FROM THE

PRESIDENT

The last couple of years has presented major obstacles to the enterprise of higher education as it has existed in our modern technological era. Yet by embracing the power of educational technology and skillfully adapting our pedagogy, we are continuing to meet our goal at PMU as a service provider of higher education by aligning with the latest practices and advancements.

The pandemic has changed the world, and we at PMU have changed in response both pedagogically and technologically. We are doing our part to help usher in a bright future for our global society.

The world's response to the coronavirus shows how a deep embrace of modern science's insights and cutting-edge medical technology can address the most severe challenges, such as once-in-a-century pandemics. But just like with so many of the other serious challenges we all face, thinking ahead and rethinking past approaches via the lens of futures studies can help ensure that we move forward prosperously as a global society.

One thing higher education institutions today cannot overlook anymore, is their role in global crises and the level of dynamics required to respond to such dire situations. We had no choice toward the change imposed by the pandemic; the only choice we had is how fast to react to the challenges presented to us. Three years into the pandemic, the world has radically changed. However, change is far from halting with the virtual world coming at us at full speed. From Technology to modern space exploration, we should not only be prepared for the racing challenges ahead, but we should most importantly equip our youth to take on this global responsibility as future leaders.

To our faculty and staff, a note of appreciation for the patience and steadiness, the hard work and the collective determination towards our institutional success stories.



Dr. Issa H. Alansari
University President



In 2021 we felt more confident that we could assume such huge and global responsibilities, and we have succeeded in proving this. I invite you to explore our year in numbers and important milestones.





ABOUT PMU

VISION

PMU's vision is to be a higher education institution having a transformative impact on society through sustainable innovation in education, research, and creativity

The Vision & Mission of the University have been reviewed and reformulated in 2021 as a part of the Strategic Planning process for 2022-2027

PMU is dedicated to the principles of an inclusive community, as well as dedication to discovery and exploration, forward-thinking, and a never-ending effort to raise generations that lead the future. While performing their duties as an educator.

MISSION

PMU is committed towards sustaining world-class excellence in education, research, and service by advancing the state of discovery, development, and application of knowledge

VALUES

DEDICATION

A REFLECTION OF OUR UNIQUE WORK PRINCIPLES AND OUR COMMITMENT TO QUALITY.

IMPACT

TO SOLVE CRITICAL ISSUES FACED BY NATIONAL AND INTERNATIONAL COMMUNITIES.

INCLUSIVE COMMUNITY

TO SHOW RESPECT FOR ETHICS, CULTURAL AND RELIGIOUS DIVERSITY, AND FREEDOM OF THOUGHT.

FUTURISTIC OUTLOOK

TO PARTICIPATE IN SHAPING THE FUTURE: ITS TECHNIQUES, ITS RESOURCES, SOCIETIES, AND ECONOMICS.

SUSTAINABILITY

OUR ABILITY TO MAINTAIN INSTITUTIONAL CAPABILITIES IN EDUCATIONAL, SOCIAL, ENVIRONMENTAL, AND FINANCIAL PERFORMANCE.

CREATIVITY

TO BE INNOVATIVE BY PROVIDING ORIGINAL IDEAS AND KNOWLEDGE.

CITIZENRY

MAINTAINING STRONG COMMITMENTS TO LOCAL, NATIONAL, AND GLOBAL COMMUNITIES.

COMPASSION

TO DEAL WITH OTHERS EMPATHETICALLY AND TRANSCEND SELF-INTEREST.



KNOW MORE ABOUT 2021

FACTS & FIGURES

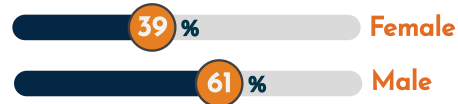
07 Colleges
25 Majors

18446
 Total Students

5407 Undergraduate Students
133 Graduate Students

6735 Total Alumni
688 International Alumni

Since 2007



270

322

From **29** Countries


FACULTY


STAFF

1:22
 Faculty to Student

RATIO

1:18
 Staff to Student

23 Approved Inventions Patents
 in the US patent office

 **4th**
 amongst Arab Universities in 2021

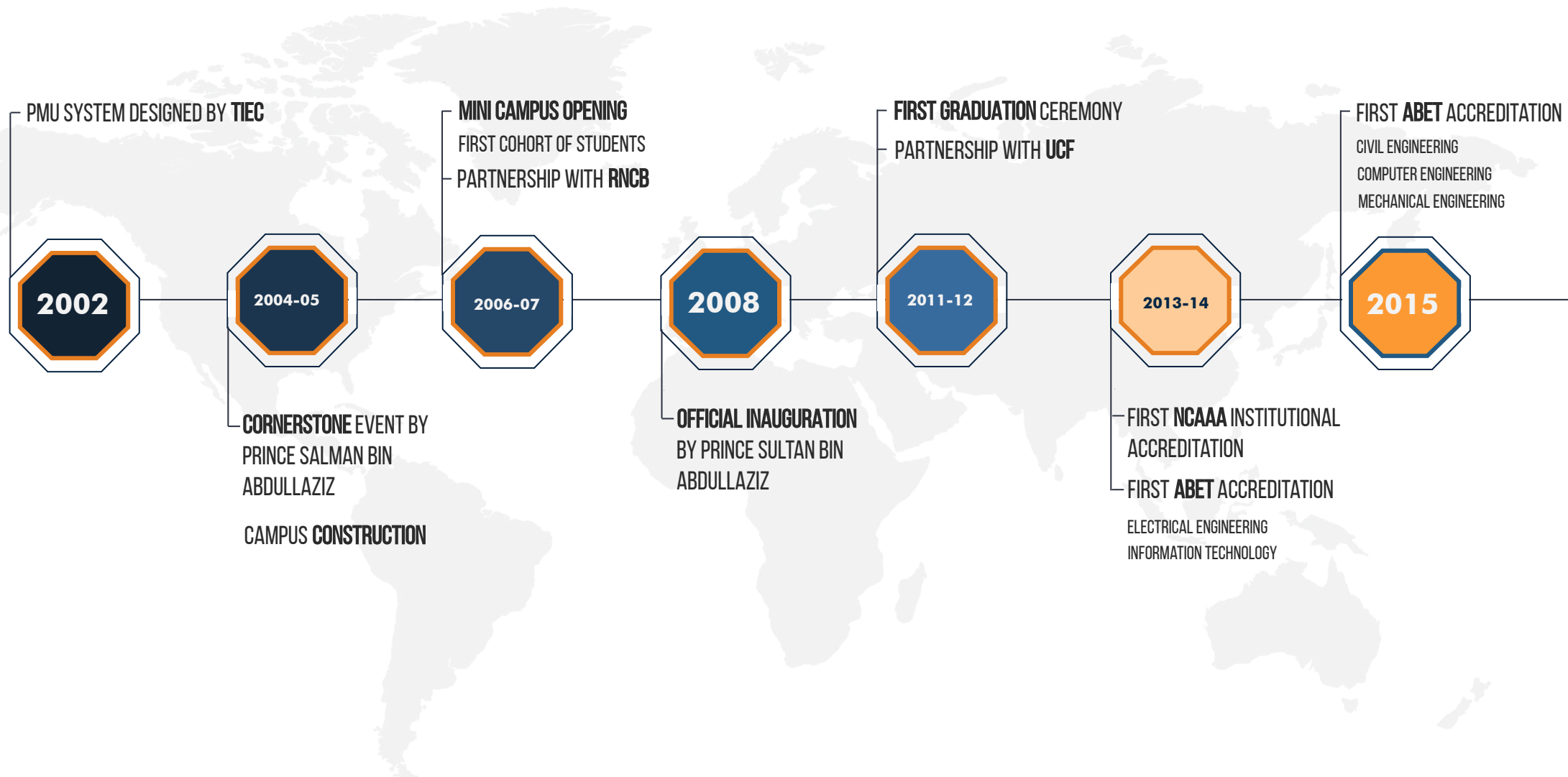

 Global Ranking **701-750**
 Amongst Top 1000 Universities around the world



ISO 9001:2015
CERTIFIED

PMU

MILESTONES





WORLD RANKINGS

150 BEST YOUNG UNIVERSITY IN QS WORLD RANKING
RANKED 1ST IN THE ARAB WORLD - QS GLOBAL FACULTY CLASSIFICATION
RANKED 3RD IN THE KINGDOM - NATURE INDEX

COLLEGE OF LAW HCERES
ACCREDITATION

COVID 19 - ONLINE
LEARNING



2018-19



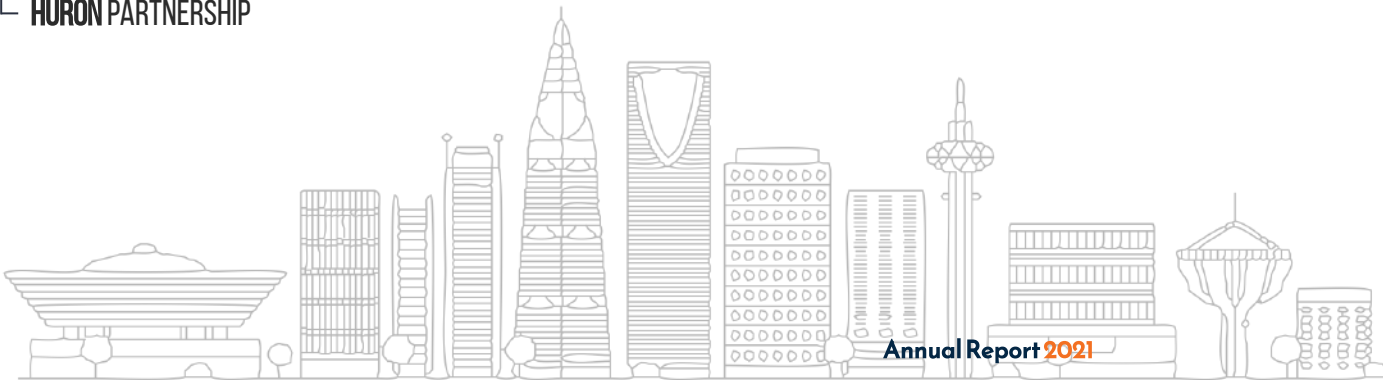
2020

RANKED 4TH IN TIMES HIGHER EDUCATION
ARAB UNIVERSITIES RANKING

VISUALLY IMPAIRED
PILOT PROGRAM

TIEC VISIT & PROJECT
REVIEW

HURON PARTNERSHIP



20
21



FINANCIAL
AFFAIRS

OVERVIEW

Finance is the blood of any business and at PMU, the Finance department's infrastructure is highly advanced in terms of tools and facilities comprising the latest systems and software tools to carry out the routine task.

YEAR HIGHLIGHTS

- The department has successfully molded all its processes and transactions to be able to cope with the situations caused by the pandemic. We welcomed our students on campus this year and successfully satisfied all their requirements.
- The department managed to comply with all regulatory requirements of social distancing to safeguard the health of the employees and students as well by implementing most of the processes online in terms of financial transactions.
- The department has complied with the requirements of ISO 9001:2015 and managed to secure a green signal from the auditors concerning procedures and risk matrix.

AUDIT OUTCOME AND QUALITY IMPROVEMENT

- With the assistance of and as per the guidance of our new auditors, the department has further improved its financial accounting closing and monitoring processes.
- The department has added some additional features to the Digital Assistance tools of the PMU 'Chatbot' where students can get information & clarifications through this tool online without visiting the campus.

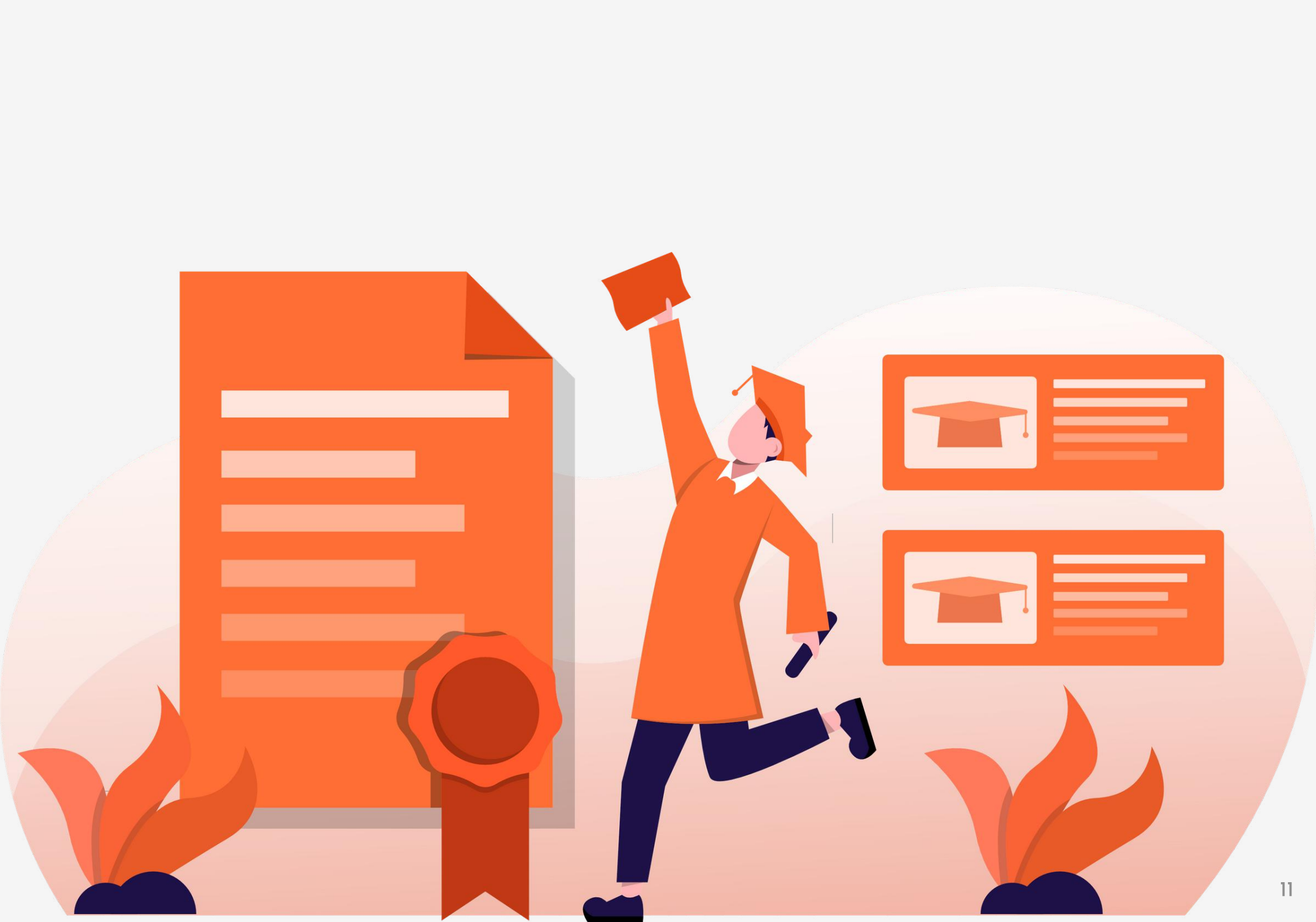
EXPANSIONS & NEW INITIATIVES

- The department has maintained its reputation for continuously satisfying the requirements of all its stakeholders whether it be students, vendors, employees, and government agencies.
- With the assistance of our new partner in banking activities, the department has further strengthened and improved its financial activities.
- The department has introduced a fair rotation policy among its employees to improve their job knowledge, reduce gaps in the process and establish more control in entering financial transactions into the system.
- The department is working to enhance the use of newly implemented Budgeting and Planning software to automate budgeting activities and processes.
- The department is committed to assisting the IT department's initiative of Smart Campus and actively participating in landmark systems implementation like 'paperless office', 'Student Kiosk System', integration of different systems to the accounting system, etc.





ACADEMIC
AFFAIRS





كلية القانون
COLLEGE OF LAW

COL

COLLEGE

OF

LAW



COL Overview

Vision

Mission

Values

COL Facts & Figures

COL Year Highlights

College Strengths

Year Challenges

Accreditation

Academic Support

COL Student Experience

Co-curricular Programs

Important Achievements

COL Expansions & New Programs

OVERVIEW

In 2021, the College of Law has reaffirmed its commitment to quality legal education. It has continued with its curriculum development, outreach and engagement, and its plans for growth programmatically and in learning resources.

VISION

The College of Law aspires to be one of the leading colleges of law in the region committed to fostering justice and serving the community through innovative legal education and research. To realize this vision, the College of Law endeavors to:

- Be a nationally and internationally accredited center of legal education.
- Offer law programs that meet the ongoing and prospective needs of the community and the changes in the legal profession.
- Produce legal research of impact.

MISSION

The College of Law pursues the mission of excelling in teaching and legal research and serving the community. This mission is fulfilled through:

- Graduating students are acquainted with good legal knowledge and the ability to use it professionally and ethically in serving their clients and the community, in domestic and international contexts, and with a commitment to justice.
- Conducting legal research of impact that deepens the understanding of the law and contributes to its development.
- Providing community service through continuous professional training and education.



VALUES

Consistent with PMU core values, the College of Law has as its core values: Observing and enriching Islamic values and thought, commitment to justice and equality, transparency, collegiality, and teamwork. Not only does the College ensure justice, equality, and transparency through the institutional policies and quality assurance procedures, but also these values are embedded in the curriculum and are relevant to ongoing research.



FACTS & FIGURES

65 students have started the law program in fall 2021-2022 (September 2021), compared to 41 new students in fall 2020-2021.

162 Freshman law students in fall 2021-2022

140 Potential law students pursuing the preparatory program in the same semester

The following table shows the distribution of law students per gender and level of study, and the number of students who have completed the program:

Total Female

296

Total Male

207

Level of Study	Total Female	Total Male
01	91	71
02	61	53
03	52	34
04	92	49

The total number of law students in fall 2020-2021 was 498. Potential law students enrolled in the preparatory program in fall 2021-2022 was 140 students, compared to 119 students in fall 2020-2021.

Students Graduating Semester 2020-21

106

Fall	Spring	Summer
35	32	39

Scholarly Activities

Research and community service are an integral part of the mission of the College of Law. The College has continued its contributions through published academic articles, organizing scholarly events, and offering community lectures. The following table sets out those contributions in numbers:

12 Journal Articles	05 Conference Papers	04 Faculty Forum/Webinar
01 Local Guest Lecture	02 International Guest Lecture	





YEAR HIGHLIGHTS

- Completion of the institutional review and approval of the proposed master's program in international business law.
- Signing a memorandum of understanding with the Saudi Bar Association/Eastern Province Committee for academic and professional cooperation.
- Students' achievements in the second arbitration moot competition organized by SCCA at the GCC level.
- Establishing a research unit of alternative dispute resolution to upgrade it to a research center in collaboration with the Straus Institute for Dispute Resolution, Pepperdine University.
- New opportunities for the globally connected classroom through online learning activities with international institutions (Straus Institute for Dispute Resolution, and Coventry Law School).
- Launching the PMU Law Blog as a forum for general legal awareness.

COLLEGE STRENGTH

Besides its internationalized learning environment, high-quality facilities and infrastructure, quality assurance system, and recognition of the law program, one strength should be highlighted in 2021. That is, it is a place where law students can fulfill their passions.

Co-curricular exercises and extracurricular activities are regularly designed and implemented, including events initiated by self-motivated students.

Besides, the College of Law follows a quality system to ensure the relevance of the law curriculum to legal developments and market needs. Thus, in response to legal reforms concerning the judiciary and civil enforcement, a course on civil enforcement law has been developed by the Curriculum Committee. The new course will go through the institutional process of review for approval.

YEAR CHALLENGES

The College of Law has endeavored to maintain its international presence and to offer our students opportunities for international exposure. This could not be achieved easily with the ongoing travel restrictions and the uncertainty resulting from the COVID-19 pandemic.

However, the College has managed to turn the challenge into an opportunity. Engagement with the local professional community increased, while international learning opportunities were developed and implemented through telecommunication platforms.

ACCREDITATION

The College of Law constantly follows academic practices that are conducive to delivering quality legal education. While this has been recognized and demonstrated by the international accreditation from the French HCERES, the law program is also implemented following the national framework of qualifications and the standards of the National Center for Academic Accreditation and Evaluation (NCAAA).

Consistently with the PMU's strategic plan, the College of Law has set a strategic objective of obtaining national accreditation. A plan has been set with a view to filing for accreditation by December 2022.

ACADEMIC SUPPORT

The College of Law provides academic support to faculty members in a variety of ways.

At the course level, faculty collaborate with instruction and assessments through coordination among instructors of multi-section courses.

Also, the Quality Assurance and Accreditation Committee provides guidance to faculty on teaching and assessment strategies. This includes statistical evaluation reports of students' performance and designing assessment for different types of course learning outcomes.



Digital legal resources have been expanded by the addition of Lexis-Middle East and Lexis-Unidatabases.



STUDENT EXPERIENCE

Like their fellow PMUers, law students experienced online and face-to-face classes during 2021, depending on the applicable health precautionary measures. Instructors and students have already been accustomed to good practices at both modalities of course delivery.

In fall 2021/2022, the students had a safe return to campus with most of their classes delivered in person.

CO-CURRICULAR PROGRAMS

The college of Law conducted a number of co-curricular programs. Such as:-

MOOTING

STRAUS INSTITUTE COURE on
DISPUTE RESOLUTION

The course comprised units on negotiation, mediation, and arbitration. The content of the course covered issues, such as:

- Cross-cultural dispute resolution and what does culture has to do with the mediation;
- Theory and practice of mediation, with a role-play for students;
- International commercial arbitration.

LAW FAIR

ABA COURSE on LAWYERING
PRACTICAL SKILLS

It focused on lawyering practical skills, comprising sessions on:

- Professional responsibility and attorney-client relationship;
- Client interviewing and client counseling;
- Persuasion and legal argumentation;
- Legal writing fundamentals.

LAW FILM CLUB

IMPORTANT ACHIEVEMENTS

106

Students completed the program in 2021

44

Male & Female students, including alumni completed professional training courses

06

Female students participated in a regional arbitration moot competition organized by the Saudi Center for Commercial Arbitration at the GCC level.

- Honorary mention of the PMU female team in the second arbitration moot competition organized by the Saudi Center for Commercial Arbitration.
- Development and College approval of a course on civil enforcement law to be added to the curriculum.
- A group of PMU students enrolled in the Tort Law course participated in a collaborative online international learning (COIL) with their counterparts from the law school of Coventry University, England in spring 2021. The students conducted a case study to discuss the application of legal principles of tort law and compare them in Saudi law and the common law of England.



11

Publications

06

International
Virtual Conferences and Seminars

06

Law Blogs

05

Forthcoming Law Journals

EXPANSIONS & NEW PROGRAMS

New programs pending approval:

A proposed bachelor's program in International Legal studies is under review by the Ministry of Education for approval. The College of Law received a site visit by a committee of experts from the Ministry for that purpose in September 2021.

Also, a master's program in international business law has received a positive evaluation by external reviewers under the Texas International Education Consortium (TIEC) and has been submitted for approval from the Ministry of Education.

A research center for alternative dispute resolution:

A research unit of alternative disputes resolution is planned to be transformed into a research center in collaboration with the Straus Institute for Dispute Resolution. This initiative has already started with two research projects on mediation.

In November 2021, PMU signed a memorandum of understanding with the Saudi Bar Association



كلية العمارة والتصميم
COLLEGE OF ARCHITECTURE AND DESIGN

COAD

COLLEGE
OF
ARCHITECTURE
AND
DESIGN



COAD Overview

Introduction

Year Highlights

COAD Accreditation & Expansion

COAD

OVERVIEW

The newly founded PMU College of Architecture and Design is dedicated to recruiting the highest caliber students, retaining them through guidance and direction, and graduating degreed designers who will compete and be recognized both locally and in a global society. To further fulfill this mission, an ongoing and active recruitment program is carried out to attract faculty and staff who are not only recognized nationally for their expertise, but also for their ability to impart to students the most needed skills to function in a competitive work environment.

The PMU College of Architecture and Design is comprised of the following academic units:

- Department of Architecture
- Department of Interior Design
- Department of Graphic Design



These basic level programs are designed to give the student an understanding of the fundamental principles underlying architecture and design as well as architecture and design practice. Each curriculum contains core curriculum courses designed to develop a solid foundation in mathematics, science, and physics, with a general background in social and behavioral sciences. Building on this background, the architecture, and design courses provide the application of basic theories and principles using predesign processes that lead to studio solutions of complex design problems.

Laboratory facilities in the College of Architecture and Design are equipped to facilitate learning. In these labs, students become familiar with the instruments, procedures, and processes employed by the industry. Computer laboratories are available for students' use throughout their course of study. In addition, every student is required to have their own laptop computer.

COAD

YEAR HIGHLIGHTS

46

Capstone Projects in
2021

07

Virtual Webinar

Total Enrolled

574

in the fall semester 2021

36

Male



538

Female

Architecture

190

Interior Design

295

Interior Design

89

COAD

ACCREDITATION & EXPANSION

COAD students and faculty attended Mosque: Innovation in Object, Form and Function a conference hosted by Ithra the King Abdulaziz Center for World Culture

The PMU Board of Trustees approved the College of Architecture and Design developed Master of Science programs in Interior Design. The program is due to be submitted to the Ministry of Education in spring 2021 and is expected to be launched in the 2022/2023 academic year.

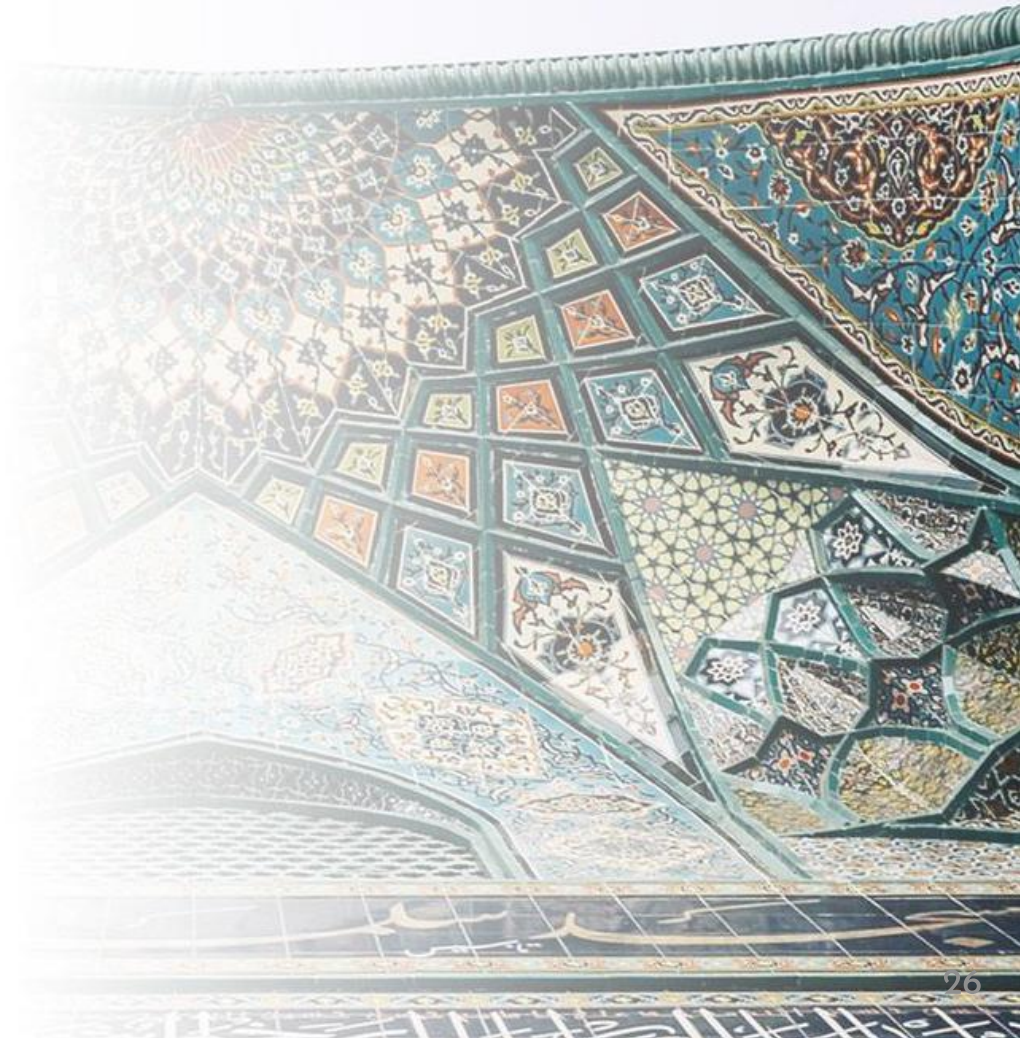
The College of Architecture and Design fully developed dual majors between all the majors in the college.

The College of Architecture and Design students and faculty are participating in the Al Fozan Award for Mosque Architecture Design Competition. The projects are due February 2022.

The College of Architecture and Design Interior Design program applied for and was approved for

CIDA

(Council for Interior Design Accreditation)







كلية إدارة الأعمال
COLLEGE OF BUSINESS ADMINISTRATION

COBA

COLLEGE

OF

BUSINESS

ADMINISTRATION



COBA Overview

Mission Statement

Year Highlights

COBA Areas of Distinction

COBA Highlights

COBA Accreditation

COBA Academic Support

COBA

OVERVIEW

MISSION STATEMENT

The mission of the College of Business Administration (COBA) at Prince Mohammad Bin Fahd University (PMU) is 'to promote high-quality education and knowledge development by fostering an engaging learning environment that encourages students and faculty to pursue professional excellence. The College achieves distinction by meeting the workforce and information needs of our stakeholders, and it ensures quality teaching, impactful research, and community engagement'. The College followed a rigorous strategic plan to fulfill the mission and to build institutional capacity in teaching excellence, research, and community engagement.

This important increase in ranking as a result of implementing strategic plan initiatives during the uncertainty of the COVID-19 pandemic. COBA's work and its strategic objectives are founded on its vision "to be a unique and distinguished academic unit that creates, educates, and stimulates a community of socially engaged, intellectually inspired, and globally oriented leaders and thinkers".

COBA managed to make a significant contribution to improving PMU's Ranking1 as the fourth (4th) among all Arab Universities in the World University Ranking by Times Higher Education (THE).



COBA

YEAR HIGHLIGHTS

253

Publications

11,492 Citations

30

Events & Conferences

230

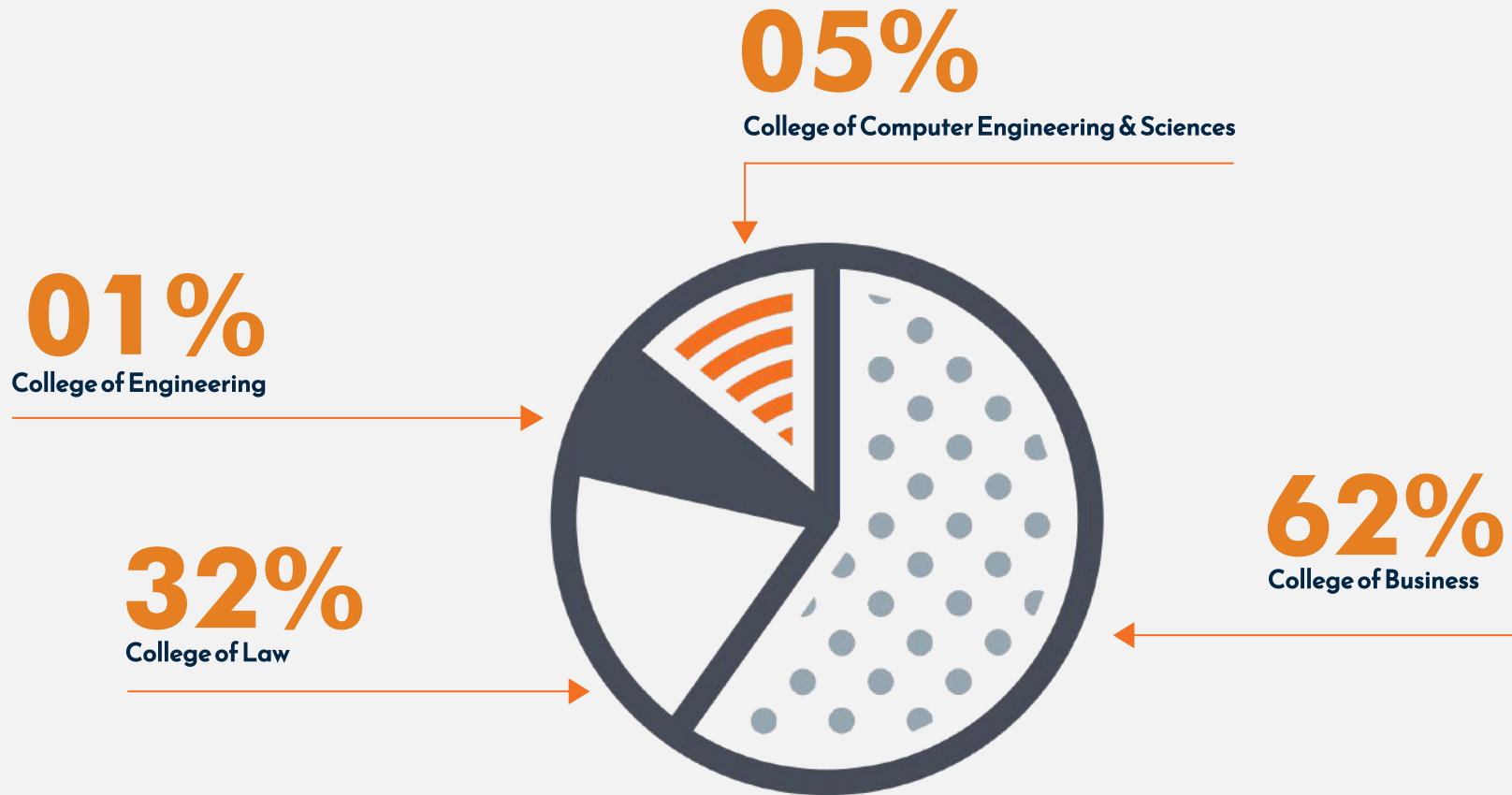
Internship
Placements

- Participation at the **UNESCO** Chairs International Symposium hosted by PMU
- Agreement with **Harvard Business School's** Institute for Strategy and Competitiveness
- COBA's MBA and EMBA programs joint the Harvard's Microeconomics of Competitiveness (**MOC**)
- **The International Conference** on Organizational Resilience, Corporate Governance, Innovative Entrepreneurship, and Sustainability
- **Strategic partnership** with **PTCCE** - Prince Turki Bin Mohammad Bin Fahd for Creativity and Entrepreneurship
- Collaboration with **ACCA** (Association of Chartered Certified Accountants)
- Collaboration with **IMA** (Institute of Management Accountants)
- **CAPSIM** leading innovative business simulation
- **Three New Programs** has been approved by the Ministry of Education in Saudi Arabia scheduled in 2022
 - PhD in Business Administration
 - Bachelor of Arts in Hospitality and Tourism Management
 - Bachelor of Arts in Digital Media and Marketing



COBA

AREAS OF DISTINCTION



To accomplish this desired area of distinction of “impactful research”, COBA set a Strategic Goal to commit to providing its faculty members with an infrastructure and environment in which quality research and professional development are feasible and supported, and in which success in research is recognized and rewarded through monetary and nonmonetary means.

Student

to Faculty

Ratio

30:1



1886

Enrolment in
2020-21 Academic year

178

MBA & EMBA Enrolment



COBA

HIGHLIGHTS

The school maintains and strategically deploys participating and supporting faculty who collectively and individually demonstrate significant academic and professional engagement that sustains the intellectual capital necessary to support high-quality outcomes consistent with the school's mission and strategies. The College FTE model is 40/40/20, meaning 40 percent of the faculty member's time is devoted to research, 40 percent of their time is devoted to teaching, and 20 percent of their time is devoted to service. Normal Professional Responsibilities include Undergraduate Teaching (UT), Master Teaching (MT), Administrative work (ADM). Teaching Productivity is by the Student Credit Hours (SCHs) or CR.

COLLEGE COUNCIL & COMMITTEES

The College of Business Administration Council (COBA College Council) is the senior academic governance body of the College of Business Administration (COBA) at Prince Mohammad bin Fad University (PMU). Its primary purpose is to foster discussion, share information, approve recommendations from both its permanent and temporary committees and make recommendations related to COBA to the University Council. The decisions and recommendations of the COBA College Council shall be consistent with the approved Mission, Vision, and strategic plans of COBA. This calls for a systematic, structured way to review the functions carried out by the COBA College Council and measure the outcomes of its committees from time to time. Each periodic assessment cycle shall review the core functions of the COBA College Council and the terms of reference of the Council and all committees including membership, mandate, meeting procedures, and cycle time.

Periodic assessment is determined by the need to use the information resulting from the decisions and recommendations of the COBA College Council and the Committees concerning:

- Receiving, reviewing, and responding to program and curriculum evaluations; and
- Receiving, reviewing, and responding to institutional, colleges, or program levels accreditations such as NCAAA and AACSB.



PMU and COBA take quality and the assurance of learning very seriously. Therefore, the College of Business recently developed a new approach for its course ASSE 4311, Learning Outcome Assessment III. Before the pandemic, students were required to take on a project/ research of their choices according to their majors. Currently, COBA adopted for this course an online simulation-based technology, CAPSIM as a comprehensive learning assessment tool that helps students relate to the 'real world'.

YEAR CHALLENGES

In the Kingdom of Saudi Arabia, higher education institutions could no longer offer in-person classes due to the lockdown, and online classes were offered as an alternative. Concerning COBA, the College had to adapt to the external challenges that were imposed by the pandemic and devise strategies to overcome those challenges. Accordingly, the College prioritized faculty recruitment and deployed its resources to increase the faculty capacity across its departments.

Taking into consideration the difficulty in recruiting highly qualified faculty members due to the closure of embassies, unpredictable lockdown in various countries, and quarantine regulations, the College did not compromise on the faculty qualification criteria. In addition, the College focused on hiring female faculty members, and it has successfully increased its female faculty by 53.3%. Consequently, the College was able to meet the standards of AACSB and effectively address the concerns in the status report.

In addition, the College prioritized increasing its intellectual contribution by utilizing a strategic approach in assessing the research clusters of its faculty, and ensuring their alignment with the College's mission. Consequently, the College increased its citations by 45% and its intellectual impact by 32%. The pandemic is still imposing several challenges to the College such as unpredictable economic environment, fluctuation in demand, and travel restrictions. However, due to the agility of the College and the strategic foresight at the heart of COBA's strategy, the College is confident that it has the necessary capabilities to capitalize on future opportunities and tackle future challenges.

COBA

ACCREDITATION

NCAAA

Accreditation for **5** Programs

Accreditation Process Initiated
for

AACSB

NCAAA National Accreditation review and audit preparations were successfully performed, with the massive documentation of five COBA departments, which reflected the extensive efforts throughout the year of 20-21 by COBA's management team, faculty, students, and stakeholders to meet all accreditation standards and requirements. The College of Business Administration is registered with the AACSB and is approximately halfway through the Accreditation process. The Initial Self-Evaluation Report (ISER) was accepted in 2020 and the first status report was submitted in February 2021.

In preparation for the NCAAA visit, a Self-Study Report has been prepared for every program. The SSRI is a report created within the context of "Standards for Quality Assurance and Accreditation of Higher Education Institutions," delineated by NCAAA. It conveys the findings and the results of self-assessment and evaluation of all functions and activities that affect the Program's Mission. The tasks required to prepare this report were distributed among existing committees, to be able to comprehensively complete the work. The membership of these committees consisted of faculty in the department, college committees, and administrative units. The principal job of the Deanship of Quality and Accreditation was to oversee and supervise the whole assessment and accreditation process; to provide any required approval of critical decisions, assessment plans, or corrective measures; and to advise them on all matters relating to assessment and accreditation.

The AACSB 2nd Progress Report was successfully compiled and made ready for submission and review. The report presented COBA's diligent work and relentless effort on the successful implementation of its 2020-2021 action plan to satisfy all standards and requirements. The report submitted highlights the improvements made over the last reporting period to cover the gap in the same reporting phase.



COBA

ACADEMIC SUPPORT

COBA has recruited several high-caliber faculty members, and through the implementation of the AACSB Standard 15, COBA is increasing its focus on faculty development. The college strongly identifies with and promotes the importance of impact, innovation, and engagement. COBA maintains the percentage of supporting faculty in each of its five programs and dedicates significant efforts to meet faculty qualification indicators. As a result, COBA has a sufficient number of faculty members across its five programs, with the required qualifications, to ensure quality outcomes, thus sufficiently meeting the requirements of AACSB. The College has developed criteria consistent with its mission to classify faculty according to initial academic preparation, professional experience, ongoing scholarship, and ongoing professional engagement. Despite the COVID-19 pandemic, COBA has implemented an action plan and has worked diligently to meet the requirements of all AACSB standards.

SUPPORT TO FACULTY

SUPPORT TO STUDENTS

In its design, PMU subscribed to a focus on the needs and interests of students for sustainable and individual nourishing, and a high amount of interaction opportunities among students and between students and faculty. The current COBA culture remains strongly committed to the original vision of sustained engagement and interaction following its mission, and as such numerous opportunities exist for students to engage with one another and with faculty inside and outside of the classroom including (but not limited to) joint participation in activities as well as mutual research projects at both undergraduate and graduate level. The classroom and out-of-classroom experience for COBA students remains highly student-centered, interactive, and communicative.



كلية الهندسة
COLLEGE OF ENGINEERING

COE COLLEGE OF ENGINEERING



COE Overview

Introduction

Facts & Figures

COE Year Highlights

Accreditation

Research Activities

Expansions & New Programs

International Participation

COE

OVERVIEW

INTRODUCTION

The PMU College of Engineering is dedicated to recruiting the highest caliber students, to retaining them through guidance and direction, and to graduating degreed engineers who will compete and be recognized both locally and in a global society. To further fulfill this mission, an ongoing and active recruitment program is carried out to attract faculty and staff who will not only be recognized nationally for their expertise, but also for their ability to impart to students the skills most needed to function in a competitive work environment.

The PMU College of Engineering is comprised of the following academic units:

- Department of Civil Engineering
- Department of Electrical Engineering
- Department of Mechanical Engineering

These basic level engineering programs are designed to give the student an understanding of the fundamental principles underlying engineering and engineering practice. Each engineering curriculum will contain core curriculum courses designed to develop a solid foundation in mathematics, chemistry, and physics, with a general background in social and behavioral sciences. Building on this background, the



engineering courses provide application of basic principles and the analysis of engineering systems. The engineering design component of the curriculum in each major subject area provides the engineering student with methods and techniques for the solution of technological problems in society.

Laboratory facilities in the College of Engineering are equipped to facilitate learning. In these labs, students become familiar with the instruments, procedures, and processes employed by industry. Computer laboratories are available for students' use throughout their course of study. In addition, every student is required to have his own laptop computer.

FACTS & FIGURES

COLLEGE OF ENGINEERING

1,653

Total Number of
Enrolled Students in the
Fall 2021 Semester
(1325 M, 328 F)

in its three majors of civil engineering (93 M, 83 F; total 176), electrical engineering (men 256; women 103; total 359) and mechanical engineering (962 M, 141F; total 1103) and Master ME (14 M, 1 F; total 15). PMU total enrolment is 4,940. The College of Engineering enrolled 33% of the total students at PMU.

The College of Engineering senior design teams produced 27 community and industry engagement research and development graduation projects from concept to prototyping.

COE

YEAR HIGHLIGHTS

- ▶ PMU College of Engineering professional societies chapters' faculty and student members of the American Society of Civil engineers "ASCE", American Society of Mechanical Engineers "ASME", Institute of Electrical and Electronics Engineers "IEEE", Society of Petroleum Engineers "SPE", and Saudi Council of Engineers "SCE" participated in 55 virtual technical meetings, workshops and conferences.
- ▶ PMU College of Engineering professional chapter of the Society of Petroleum Engineers "SPE" celebrated its 10th millstone anniversary and was recognized by SPE President Tom Blasingame and CEO & Executive VP Mark Rubin for 10 years of furthering SPE's mission and supporting local members.
- ▶ PMU College of Engineering delivered 8 virtual webinars to the public.

ACCREDITATION

- ▶ **ABET EAC** conducted a virtual visit to COE programs (CE, EE, ME) on November 13-16, 2021. The program audit results indicated that CE, EE, and ME received no shortcomings.

RESEARCH ACTIVITIES

- ▶ College of Engineering faculty members produced the total of 169 Scopus indexed articles (128 journal and 41 conference proceedings) in the year 2021. Mechanical Engineering (101 journal; 27 conference proceedings; total 128). Electrical Engineering (18 journal; 10 conference proceedings; total 28); Civil Engineering (9 journal; 4 conference proceedings; total 13).
- ▶ The College of Engineering faculty members presented papers, chaired a workshop and a technical session at PMU's Industrial Revolution 4.0: Computing Mobility and Manufacturing Conference.
- ▶ The College of Engineering faculty members Dr. Albert Parker, Dr. Waqar Ahmed Khan, Dr. Faramarz Djavanroodi and Dr. Ala Raef Al-Haj Hussein were listed in Stanford University's top 2% list of the most-cited scientists worldwide.
- ▶ The College of engineering faculty members produced seven out of the total eight patents awarded to PMU.
- ▶ The College of Engineering, Electrical Engineering organized and host the fourth International Symposium on Advanced Electrical and Communication Technologies "ISAECT2021" held on PMU campus last December 2021. ISAECT2021 is sponsored by IEEE, EuMA and European Space Agency ESA.

About 450 researchers and industrials from close to 50 countries participated in the conference.

The conference displayed high quality oral and poster presentations, feature workshops chaired by prominent researchers and experts, and several keynote speeches and plenary speeches by distinguished

speakers from academia, industry and government sectors.

All presentations, keynotes speech, and plenary keynotes made available to all registered attendees and allowed accepted papers be published in IEEE Xplore, and considered for publication in more than 10 international journals indexed Scopus, MDLP, Elsevier, EI..(Special issues & regular).

EXPANSION & NEW PROGRAMS

▶ The PMU Board of Trustees approved the college of engineering developed bachelors of science program in chemical engineering. The program is expected to be launched in the 2021/2022 academic year.

▶ The PMU Board of Trustees approved the college of engineering developed masters of science programs in civil, electrical and mechanical engineering and in interior design. All programs are expected to be launched in the 2021/2022 academic year.

▶ The College of Engineering fully developed the Ph.D. program in Mechanical Engineering. The program was approved by the University Council. It is due for external review by TIEC and is subject to approval by the Board of Trustees.

▶ The College of Engineering was approved by the University Council to institute the American Fundamentals of Engineering Exam as a graduation requirement of all its graduates as of the Fall 2021 semester to become future professional engineers.

▶ The first woman graduated in the spring 2021 semester.

INTERNATIONAL PARTICIPATION

▶ College of Engineering faculty members presented and published 15 Scopus indexed international refereed conference papers in the Fall 2021 semester. Conferences were held in USA, Canada, Turkey, Japan, Korea, Indonesia, Thailand, KSA, Morocco, Russia and Malaysia.

▶ PMU College of Engineering faculty participated in the QS Maple, PMU Center for Futuristic Studies and UNESCO PMU sponsored conferences.



كلية هندسة وعلوم الحاسب الآلي
COLLEGE OF COMPUTER ENGINEERING AND SCIENCE

CCE S COLLEGE OF COMPUTER ENGINEERING AND SCIENCE



CCES Overview

Introduction

Vision

Mission

Academic Programs

College Administration

Enrollment

CCES Year Highlights

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CCES

OVERVIEW

The College of Computer Engineering & Science will provide the structure and organization for male and female students to successfully pursue degree programs in Information Technology, Computer Science, Computer Engineering, and Software engineering at the undergraduate level.

The College of Computer Engineering and Science accepts successful male and female students from PMU Preparatory Program. The classroom experience for students in the College of Computer Engineering and Science is highly student-centered, interactive, and communicative. Courses combine both theoretical and conceptual content, enhanced with practical and laboratory opportunities. Syllabi include techniques for incorporating opportunities for students to develop communication, teamwork, and leadership skills as part of an overall strategy for achieving the PMU core competencies. Graduates from the College of Computer Engineering and Science are self-directed, motivated, technically competent professionals with strong communication skills, capable of effective teamwork and leadership.

INTRODUCTION

VISION

The College of Computer Engineering & Science provides a unique and distinguished academic unit that participates in:

- Preparing future Information Technology and Computer Science and Engineering professionals and leaders who can support the emergence of Saudi Arabia as a global IT resource.
- Enriching and developing Information Technology intellectual resources.
- Exploring innovative instructional methodologies and technologies to provide quality preparation of information technology professionals.
- Establishing communication and the exchange of ideas between the academic and business communities.

MISSION & OBJECTIVES

The College of Computer Engineering & Science will achieve the following objectives:

The mission of the College is to produce graduates who are successful in their work, keen to self-development, and portraying PMU values. In addition, the College will excel in research and technological innovation fulfilling the global needs, and share knowledge discoveries with the broad.

The background of the page is a close-up, shallow depth-of-field photograph of a computer keyboard. Several miniature construction workers in various colored outfits (yellow, blue, orange) and hard hats are positioned on the keys, appearing to be working on the keyboard. This visual metaphor links the physical construction of hardware to the digital construction of software and academic programs.

OVERVIEW OF ACADEMIC PROGRAMS

Currently the CCES College offers Bachelor of Science in 4 programs

- 1- Information Technology
- 2- Computer Science
- 3- Computer Engineering
- 4- Software Engineering

COLLEGE HIGHLIGHTS

- Academic Advising for students: The department will strive to provide academic advising to students on an individual basis so as to determine the most appropriate course of study for each student.
- Tutoring and remediation: In cooperation with the PMU Learning Resources Center, the Faculty of the College creates tutoring and supplementary instructional programs to assist students who need extra assistance with academic programs or study skills.
- Development of the curriculum: The department manages continuous curriculum review and improvement.
- Evaluation of faculty: The department is responsible for the implementation of PMU policies and procedures for the evaluation of faculty.

ENROLLMENT BY PROGRAM (WITHOUT PREP)

Major	Academic Year 2018-2019		Academic Year 2019-2020		Academic Year 2020-2021	
	Male	Female	Male	Female	Male	Female
IT	53	60	66	56	68	50
CS	25	60	46	51	58	62
CE	45	192	52	134	51	111
SE	-	-	6	17	25	69
#students	123	312	170	258	202	292
Total Students	435		428		495	

NUMBER OF FACULTY

Major	2017-2018			2018-2019			2019-2020			2020-2021		
	M	F	Total	M	F	Total	M	F	Total	M	F	Total
Professors/ Instructors	10	2	12	10	3	13	12	3	15	12	3	14
Lab Instructors	2	3	5	3	4	7	3	4	7	3	4	6
Total	12	5	17	13	7	20	15	7	22	15	7	20

YEAR HIGHLIGHTS

RESEARCH PRODUCTIVITY

CCES Faculty continue to raise performance in terms of active researchers, publication throughput, and average number of publication per faculty. In 2021 year, all 9 PhD holders have contributed to publishing close to 40+ research conference and journal papers – All SCOPUS indexed (27+ journals, 13+ conference papers), with more papers accepted and in progress.

Such performance is crucial in promoting PMU worldwide in the QS World University Ranking. Many of these research papers have involved CCES students with the goal of introducing them to the research world, and giving them first contact with research work.

ACADEMIC ACCREDITATION

Three CCES programs underwent ABET accreditation during November 2021 for the following programs.

- a. Computer Science
- b. Information Technology
- c. Computer Engineering

The output of the ABET accreditation visit was very successful. The Computer Science program was fully accredited by the ABET Computing Accreditation Commission (CAC) with no issues being reported. The Information Technology and Computer Engineering programs were expected to be fully accredited by August following the resolution minor reported notes.

LAB & CURRICULUM DEVELOPMENT

The following new programs and Labs were developed:

BS in AI	Completed.
MS in AI	Completed.
BS in Cybersecurity	Completed.
MS in Cybersecurity	Completed.
MS in IT Management	Approved by University Council.
MS in Futuristic Technology	In progress.
Cybersecurity Lab	Lab specification completed. Lab setup in progress.
2 new tracks in BS in Computer Science program	These 2 new tracks were introduced in the BS in Computer Science program. Track 1: Data Science, Track 2: Game Development

CCES Lab Improvement
- Quality Control

Robotic Lab

CCES has reviewed, assessed, and revised all its lab contents to modernize content with useful experiments, and employer-sought tools and to prolong the experiments to the full lab time. This took the time of many Faculty and Lab Instructors.

Fully operating for teaching, research, training, etc.

FACULTY DEVELOPMENT

CCES Faculty maintained their membership with IEEE and other professional societies.

Training of Faculty were completed in Palo Alto networks, EC-Council Certified Ethical Hacking, Zora and Pepper robots and programming, PCB printer, Tektronix spectrum analyzer/ oscilloscope, 3D body scanner, and 3D printer and 3D workstation.

CERTIFICATIONS

The College of Computer Engineering and Science (CCES) continued to provide PMU students and industry professionals with many hands-on and technical skills that are highly needed by the industry through offering several certification programs.

These certificates are with the following partners:

- a. Paloalto Academy: Cybersecurity related topics
- b. EC Council Academy: Cybersecurity related topics
- c. Dell EMC Academy: Cloud Computing related topics
- d. Cisco Academy: Networking related topics
- e. Microsoft Academy: Data Science and IT infrastructure related topics

A total of 7 certificates were offered to PMU students:

Introduction to Cyber security | IoT | IT Essential | Getconnected | Networking Essential | Certified Ethical Hacking v10 course | Cloud Infrastructure | Data science

During 2020-21 more than 250 students from CCES took part of these certification programs.

OTHER ACHIEVEMENTS

- CCES student enrolment is crossing 900 students it increased by 35% comparing to Spring 2019.
- Over the past 2 semesters, the CCES has been remarkably active and lively, and has reached its local and large community through offering various seminars in several hot and interesting topics. Speakers were either CCES faculty members or professionals from reputable companies. A total of 17 seminars were delivered in 2021.
- The CCES Advisory Board met twice in the academic year
- 4 online courses were developed

COLLEGE STRENGTHS

CCES College distinguishes itself as being the college that:

- Responds quickly to changes mainly in the IT domain
- Has a Strong students female presence
- Benefits a Strong PMU management support in terms of deploying cutting edge technology
- Includes diverse faculty with strong technical background
- Deploys cutting edge IT infrastructure
- Adapts quickly to pandemic related restriction
- Maintains strong liaison with the industry
- Includes ABET accredited programs
- Is process oriented college

YEAR CHALLENGES

Like any other college university, CCES faced many challenges which were mainly due to the restrictions imposed by the world wide pandemic. These include the following:

- Having to run most of the courses online,
- Observe social distancing in classrooms,
- Accommodate the considerable student enrollment increase for all four program majors,
- Running course labs on a virtual mode,
- Conference travel restriction for active research faculty members,
- The ability to expand in terms of college workforce



CCES

ACCREDITATION

LOCAL ACCREDITATION

All four programs in the college of computer engineering and science are working closely with the PMU deanship of Quality ensures towards ensuring that programs are in full compliance with the requirements of the National Commission for Academic Accreditation and Assessment (NCAAA) –the school accreditation facility in the Kingdom of Saudi Arabia. These efforts ensure that current programs are properly monitored and assessed with goal of delivering the highest possible teaching quality.

INTERNATIONAL ACCREDITATION

Three programs out of the CCES existing 4 programs are applying for the Accreditation Board for Engineering and Technology accreditation (ABET). The IT and CE programs are applying for re-accreditation and the CS program is applying for ABET accreditation for the first time. Initial ABET assessment results in an NGR for the CS programs and few weaknesses to resolve for the IT and CE program during 2022.

ACADEMIC SUPPORT

SUPPORT TO FACULTY

CCES faculty members were supported by PMU management in various aspects. This support resulted in having them involved in a number of professional development activities, including: continuing education, serving as program committee members and chairing sessions in regional and international conferences, serving as peer-reviewers for international journals, participating in professional societies such as IEEE. Our faculty members regularly participate in the workshops conducted by our college and some have conducted these workshops.

SUPPORT TO STUDENTS

CCES students are supported in many different ways:

- Conference attendance support for students supporting faculty research
- The participation in National and international Competitions
- Attendance of national events organized by KAUST, Aramco, and others
- Establishment student support center for students who need help in some technical area
- Offering various technical workshops related to hot topics related to their major such as Machine learning & artificial intelligence
- Offering series of seminars by known speakers in topics related to their major such as Cybersecurity

CCES

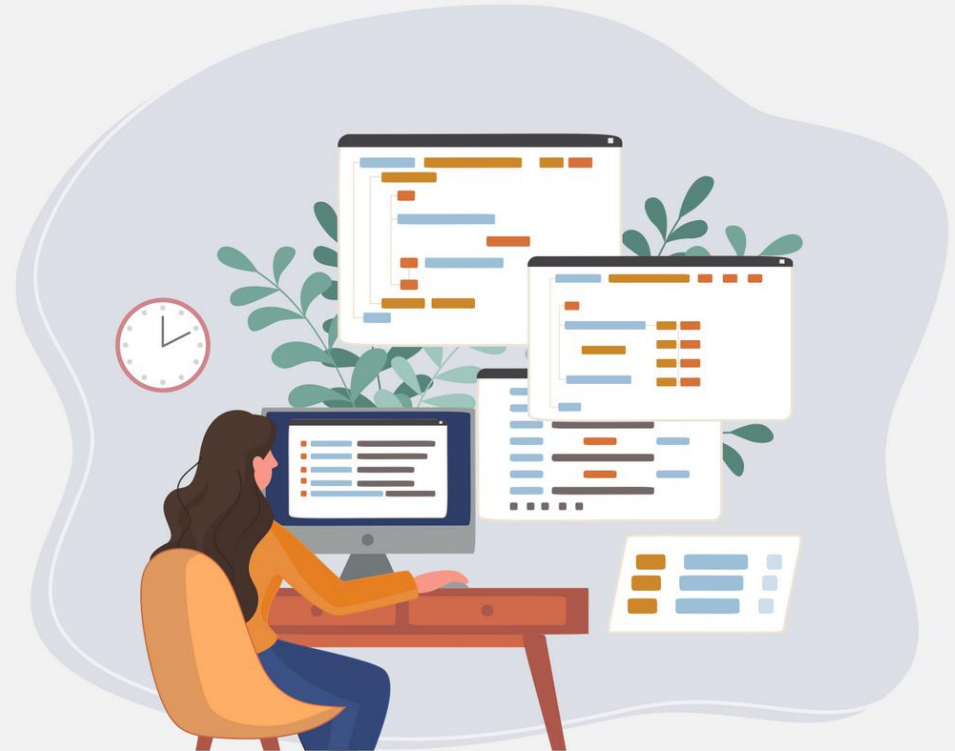
STUDENT EXPERIENCE

ACADEMIC EXPERIENCE

CCES students have met among the highest admission requirements within PMU University. The academic environment pushes one another to grow and succeed with the help and support of their professors. CCES faculty members possess mixed background and experience: industry and research experience. Such background allows them to provide real-world concrete examples of fundamental concepts being taught in the classroom which are related to the real world. This ensures closing the gap between the academia and the industry. Small size classes enable in-depth discussions, projects, and problem-solving work activities. Hands-on laboratories and senior design capstone courses require and motivate students to put their acquired knowledge in action prior to embarking to the professional career.

CO-CURRICULAR PROGRAMS

CCES student continue to play major roles through students established clubs. These clubs are heavily supported by PMU career services and is also working closer with all PMU faculty and in particular CCES faculty. CCC (Computing Collaro Club) is considered the most active student club which was established by a group of CCES students, and then expanded to include 100s of members.



Computing Collaro Club (CCC) aims to create a social environment for students to be creative and innovate in the field of Information Technology, in order to advance their future careers.

The club focuses on establishing a connection between IT companies and students. Our aim is to give students a clear perspective on the job market.

CCES

EXPANSIONS & NEW PROGRAMS

Below Programs were communicated and approved by our TIEC partners as well as by the university council:

MSC IN CYBERSECURITY

The program will be offered with following two options to cater two different objectives.

1. Master degree with Thesis (30 Cr)
2. Master degree with Non-Thesis (30 Cr)

MASTER DEGREE WITH THESIS (30 CR)

1. Completion of 24 credit hours (Cyber Security Master's Degree Program courses) as follows:
2. Minimum of 4 core courses (3 Credit Hours each)
3. Minimum of 4 elective courses (3 Credit Hours each).
4. Completion and defense of a Master's thesis (6 Credit Hours)

MASTER DEGREE WITH NON-THESIS (30 CR)

Completion of 30 credit hours (Cyber Security Master Degree Program courses and project as follows:

1. Minimum of 4 core courses (3 Credit Hours each)
2. Minimum of 6 elective courses (3 Credit Hours each).
3. Completion of comprehensive oral examination at the end of their program of study.

BSC IN CYBERSECURITY

BSC IN ARTIFICIAL INTELLIGENCE

The structure of this program communicated and approved by our TIEC partners as well as by the university council

MSc IN ARTIFICIAL INTELLIGENCE

The structure of this program communicated and approved by our TIEC partners as well as by the university council

The program is offered with following two options to cater two different objectives.

- I. Master degree with Thesis (30 Cr)
- II. Master degree with Non-Thesis (30 Cr)

MASTER DEGREE WITH THESIS (30 CR)

- Completion of 24 credit hours (Artificial Intelligence Master's Degree Program courses) as follows:

- . 3 core courses (3 Credit Hours each)

- . 4 AI Application elective courses (3 Credit Hours each).
- . 1 computing elective course (3 Credit Hours)
- Completion and defense of a Master's thesis (6 Credit Hours)

MASTER DEGREE WITH NON-THESIS (30 CR)

- Completion of 27 credit hours (Artificial Intelligence Master Degree Program courses) as follows:
 - . 3 core courses (3 Credit Hours each)
 - . 4 AI Application elective courses (3 Credit Hours each)
 - . 2 computing elective courses (3 Credit Hours each)
- Completion of a master project at the end of their program of study (3 Credit Hours)

COMMUNITY SUPPORT & IMPACT

CCES conducted several activities with the goal of engaging the local and broad community to improve the quality of student learning process. These activities include: seminars, workshops, and visits to local companies by CCES faculty.

CCES WORKSHOPS & SEMINARS

- Cybersecurity Seminar
- CCES Webinar Series 2021 in partnership with IBM
- CCES Online Workshop Oracle's Quick SQL
- PYTHON Programming Workshop
- ARDUINO Microcontroller: Building Simple Projects





كلية العلوم والدراسات الإنسانية
COLLEGE OF SCIENCE AND HUMAN STUDIES

CSHS COLLEGE OF SCIENCES AND HUMAN STUDIES



CSHS College Overview

Introduction

Vision

Mission

Core Competencies

Facts & Figures

CSHS Year Highlights

College Strengths

Year Challenges

CSHS Accreditation

OVERVIEW

The College of Sciences and Human Studies (CSHS) provides graduate and undergraduate academic programs in the broad field of Sciences and Human Studies. The majority of its courses are mandatory core courses to other colleges.

The Core Curriculum program is concurrently under the administration of the College of Sciences and Human Studies and it provides competencies-related courses to all colleges. In addition, Special Education, Human Resources Development, and Education Leadership are among the concentrations offered by the college in the domains of learning and human development.

VISION

We aspire to provide unique, distinguished educational, and research products that:

- Prepare future professionals in the fields of sciences and humanities who are technologically oriented;
- Explore innovative methodologies and technologies to produce professionals of the highest caliber; and
- Establish links between the academic and business communities through research and bridging programs.

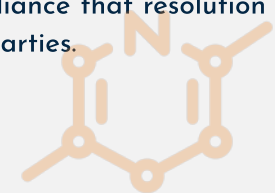
MISSION

We aspire to achieve a wide range of objectives that include:

- Developing and promulgating knowledge and research using modern technology
- Equipping students with skills and creativity in alignment with our core competencies
- Transforming graduates to play leading roles in their communities and outside it.

CORE COMPETENCIES/LEARNING OUTCOMES

- **Communication (Oral and written):** The ability to communicate effectively in both English and Arabic in professional and social situations.
- **Teamwork:** The ability to work effectively with others to accomplish tasks and achieve group goals.
- **Critical thinking and problem solving:** The ability to reason logically and creatively to make informed and responsible decisions and achieve intended goals.
- **Leadership:** The ability to be informed, effective, and responsible leaders in family, community, and the Kingdom.
- **Professionalism:** The ability to be aware of personal responsibilities in one's civic, professional, and academic life.
- **Technology:** The ability to use modern technologies to acquire information, communicate, solve problems, and produce intended results.
- **Sustainability:** The ability to understand the impact of human activities on our natural world and to develop the best industry and social practices to be good stewards of natural resources
- **Global Connectedness:** The ability to respect and concede global relationships, discern the linkage between global and local issues, regard all cultures, understand religious and ethnic conventions that shape the point of views and actions of people from divergent backgrounds; learn from innovative ideas, newest knowledge, and accept change as immanent to a globalized world.
- **Conflict Resolution:** The ability to be well informed and respectful of differences, possess healthy responses to conflicts, remain relaxed and focused in tense situations, control emotions, behavior, and nonverbal communication, a willingness to forgive, a reliance that resolution can support the interest and requirements of both parties.



CSHS

FACTS & FIGURES





Growth of students enrolled in Core Curriculum Program

2018-19		2019-20	
SPRING		FALL	
Male	Female	Male	Female
2391	2156	5107	4644



2019-20		2020-21	
SPRING		FALL	
Male	Female	Male	Female
5271	4472	6471	5237

2020-21		2021-22	
SPRING		FALL	
Male	Female	Male	Female
6127	6428	6258	8811

Growth of Faculty of Mathematics and Natural Sciences

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
	15	17	23	22	23	23	27	26	26	22	24
	11	12	17	15	16	17	20	21	21	18	15

Growth of Faculty of Humanities & Social Sciences

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
	15	17	23	22	23	21	22	24	21	14	12
	11	12	17	19	18	23	22	20	18	15	15

CSHS

YEAR HIGHLIGHTS

- Back to face-to-face teaching for the majority of the courses and adopting a hybrid teaching style for some online courses. There was a smooth transition from a physical classroom to online Blackboard Collaborate Ultra sessions during the Covid-19 lockdown. Now, there is a smooth transition from fully online to face-to-face teaching.
- To stay connected with students throughout the whole semester courses were redesigned by including new components and techniques.

COLLEGE STRENGTHS

1. Faculty members are actively involved in
2. Teaching
3. Research
4. Curriculum development
5. Professional development
6. Self-Assessment of students

YEAR CHALLENGES

The year 2021 witnessed both the COVID-19 pandemic lockdown and the easing phase that marked the return to normal with precautions. PMU transitioned from a physical classroom to an online using Blackboard Collaborate ULTRA from March 2020 to September 2021. From September 2021, PMU returned to the physical classroom for most of the courses. This has brought some challenges for both students and teachers.

Challenges faced by teachers

- The use of Blackboard Collaborate Ultra posed some challenges to a few of the teachers as there was no formal training available.
- Some faculty members believe that teaching an online course takes longer than teaching the same course face-to-face.
- Faculty needed to redesign courses to incorporate new techniques, interactive online learning activities, and other technological tools to keep the students engaged. Some of the technology resources used include wikis, blogs, journals, e-portfolios, and other web applications.
- The faculty was unable to detect cheating during online exams.
- The faculty also faced some technical issues from time to time.
- The faculty was overwhelmed by the huge size of class size.

CHALLENGES FACED BY THE STUDENTS

- Some students seemed to have problems focusing during an online class
- Some students felt disconnected, they could not connect their newfound information to earlier content or real-world instances.
- Some students preferred a face to face feedback over e-mails and other online platforms.
- Some students had internet bandwidth issues that hampered the interactive learning process.
- Socio-cultural affairs also served as a barrier to remote learning as some students were reluctant to turn on their cameras.

ACCREDITATION

PMU Core Program is actively involved in all accreditation activities in PMU Colleges. All courses offered by the Core maintain Course Specifications, regular Course Reports, and a series of Course Portfolios among other compliance instruments. These documents describe the details of the course and sequence of topics, the record of the most recent administrations of the course, and samples of student results and grading rubrics. In the current year, Core contributed quality documents for the re-accreditation by ABET for COE and CCES. The effectiveness of the curriculum is assessed by an array of annual student surveys. The students are also assessed for the acquisition of distinctive core competencies. These instruments focus on student perception of the degree to which the curriculum was followed, the accomplishment of learning outcomes, and the overall satisfaction with the learning experience

EXPLANSIONS & NEW PROGRAMS

▶ New programs: MSc Digital Transformation

The Master's Degree in Digital Transformation will become an exemplary program to prepare a new generation of information professional who will be recognized nationally and internationally.

Mission

The program aims to prepare learners for VUCA (volatile, Uncertain, Complex, and Ambiguous. World challenges have come about due to the widespread effects of Digital Disruption, and the responses of organizations to cope with the impacts. Since the start of the 21st century, the world has been obsessed with smart and digital life. In the rapidly transforming new economy, many organizations are facing existential issues. To cope with disruption, organizations must fundamentally transform their culture and operations. Those organizations which are unable to meet this challenge face a real risk of losing their stakeholders' trust and their customer base.

The program also prepares a new generation of leaders that will be able to master and transfer knowledge in the digital world keep the nation and the world informed.

ACADEMIC SUPPORT

▶ Support to Faculty

A variety of seminars are given by the college members to maintain an active enrichment research program that promotes academic and intellectual excellence across the PMU learning community.

- The power of Knowledge sharing
- Language Difficulties in Learning Algebra
- Chemistry concerning nature
- Reduce the Aches and Pains That Come with "Professional Sitting
- Virtual Competitions and Futuristic Approaches for our Students
- Bismuth Nitrate-Mediated Synthesis of Molecules of Medicinal Interests
- The Unexpected Side-effects of Climate Change on a Bedouin Community: A Case Study in Wadi Rum
- Chemical Sensors in Aircrafts
- Protecting the Arabian Gulf: Present & future

130+
Publications
In 2021

SERL: SERVICE LEARNING AND VOLUNTEERING

This course covers basic concepts of service learning and volunteering including critical thinking, leadership and teamwork, values and ethics, and citizenship. The course offers practical experience working with an agency or organization involved in volunteering and community service. Students may also be paired, when appropriate and available, with a mentor or advisor who is involved in volunteering and who will help them learn how to implement classroom learning concepts directly to others, to benefit the community, the university, and the students.







PREP

**PREPARATORY
PROGRAM**



Prep Programs' Overview

Introduction

Vision

Mission

Prep Programs' Facts & Figures

Student Enrolment Figures

Number of Faculty, Admin & Staff

Prep Programs' Advisory Committees

Prep Programs' Year Highlights

Prep Programs' Academic Support

PREP PROGRAM

OVERVIEW

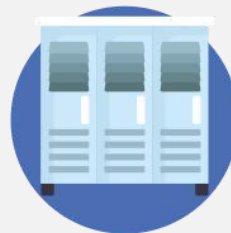
The Preparatory Program of Prince Mohammad Bin Fahd University (PMU) is a comprehensive, academic preparatory program, comprised of English as a foreign language (EFL), mathematics (Introductory Algebra, Intermediate Algebra, Pre-Calculus), and Theories and Applications of Learning I and II (study skills). In this intensive program, students receive a solid academic grounding that enables them to succeed in PMU degree programs. Additionally, students are introduced to the distinguishing set of core competencies that all PMU graduates are expected to exhibit.

MISSION

The mission of the Preparatory Program is to develop the English, mathematics, and study skills of eligible students to a level qualifying them for successful participation in Prince Mohammad Bin Fahd's Core curriculum and degree coursework. This supports PMU's goal to serve local, national, and international communities.

VISION

The Preparatory Program of PMU strives to be a unique post-secondary academic preparatory program, producing first-year university students who assume responsibility for their successful learning. The Preparatory Program provides identical programs for male and female students. It strives to prepare academically capable secondary school graduates to participate in university studies using the essential principles of critical thinking, reasoning, and problem-solving.



FACTS & FIGURES

Student Enrolment Figures

	Spring 2021	Summer 2021	Fall 2022
Male Campus	426	143	655
Female Campus	293	90	568
Total Enrolment	719	233	1223

Number of Faculty, Admin & Staff

	Spring 2021	Summer 2021	Fall 2022
Male Campus	21	07	20
Female Campus	18	03	19
Administrators	03	03	03
Staff	03	03	03

PREP PROGRAM

ADVISORY COMMITTEES

The Preparatory Program Council is a decision-making body that promotes quality in teaching and learning and ensures high standards are met and maintained. It is comprised of administrators and faculty of the male and female campuses. The Council is chaired by the Program Director and the members are the Department Chair, the Associate Chair, the Accreditation Coordinator, and faculty members representing each of the four English language levels of the program

Their purpose is to ensure pro-active review and continuous improvement by undertaking regular analysis of various aspects of the programs' goals. Faculty members are appointed to the various committees based on their expertise, experience, and past and current responsibilities related to committee tasks.



PREPARATORY PROGRAM STANDING COMMITTEE

PROGRAM DEVELOPMENT

CURRICULUM

STUDENT ACHIEVEMENT AND ASSESSMENT PRACTICES

STUDENT SERVICES POLICIES AND ACTIVITIES

PREP PROGRAM

YEAR HIGHLIGHTS

Working on obtaining accreditation for the Program provided many opportunities for improvement. One was the establishment of committees comprised of Preparatory faculty members to focus on the various aspects of teaching and learning. The program was particularly successful in maintaining standards by moving from an entirely remote mode of classes to a hybrid model in the fall, which allowed for limited in-person instruction.

In the area of student campus life and community engagement, the Program sponsored, in collaboration with the Core Curriculum Department, a successful speech contest where students had the opportunity to display their oratory talents, and in collaboration with the Learning Resource Center, the Program offered two modules of an academic writing course to the community. In terms of professional development, faculty members continued their participation in internationally sponsored webinars and university-wide online training sessions. In addition, the Preparatory Program Research Group was reactivated and published two articles.

ACCREDITATION

The Preparatory Program initiated the process to obtain accreditation from the Commission for English Language Program Accreditation (CEA). The initiative began in July 2019 when the Program Director and the Associate Chair attended a CEA workshop in Alexandria, Virginia USA. The Program qualified in 2020 to submit the self-study report (SSR). Throughout 2020, the CEA Coordinator, administrators, and faculty members worked on the SSR and compiled the necessary supporting documentation. The Preparatory Programs successfully submitted the SSR in June 2021. Preparation is now being made for the site visit.

STRENGTHS

One of the strengths of the Program is the wide range of resources at its disposal. These include various types of up-to-date teaching materials, state-of-the-art computer labs, and other physical facilities. These allow for the provision of student services in a culture of care. The diverse background of the Program's faculty is also a strong point. Learners automatically find themselves in an environment that fosters language learning and acquisition beyond the classroom. learners are exposed to a wide variety of cultures which helps prepare them to become effective future global citizens with the ability to function in whatever culture they might find themselves in later in life.

CHALLENGES

The large and unexpected increase in student enrollment needs larger class sizes to be able to accommodate the preparatory classroom. however, space became a major challenge

PREP PROGRAM

ACADEMIC SUPPORT

An orientation meeting is held at the beginning of each term to acquaint students with their rights and responsibilities. The Program also employed tutors to assist academically at-risk students. Some tutorial sessions were conducted in person and others online.

INTERNATIONAL PARTICIPANTS

Preparatory Program students participated in an English course at the University of North Alabama (UNA). The course was conducted online due to travel restrictions caused by the pandemic. Collaborative Online International Learning (COIL) was expanded to include Universidade Estadual Paulista (UNESP) in Brazil. The Preparatory Program was represented by the Director in the UNESCO Chairs Symposium in Futures Studies and Futures Literacy.

COMMUNITY SUPPORT & IMPACT

Preparatory Program instructors were instrumental in the success of several PMU community service initiatives. Among these were the Blind and Visually Impaired Program (BVIP), and Continuing Education English courses for trainees of the King Salman Energy Park (SPARK).

Students participated in project-based activities as part of their Enhanced Learning classes. Prep instructors continued their efforts with the reading club and the film club.



PMU PRESSES

A decorative graphic consisting of a thin blue circle and a thin orange line. The blue circle is positioned in the lower-left to center area. The orange line starts from the top center, curves downwards and to the right, crossing the blue circle, and then continues horizontally to the right edge of the page.



PMU Press Overview
Year Highlights

PMU Press Financial Support
Procedures for Publication
Upcoming Plans
Quality Improvement

PMU Press New Activities & Programs
International Collaboration
Expansions & New Initiatives

PMU PRESS

OVERVIEW

Aligning with PMU's mission to contribute to the development of knowledge, PMUPress has been established to publish and translate quality books and scholarly monographs that benefit academic institutions, societies, and enterprises and make the published or translated books digitally accessible and available to all readers worldwide. It was founded to:

- Publish and translate books that add value to human knowledge.
- Publish and translate scholarly monographs that address the challenges of the 21st Century.
- Provide accessibility to diverse high-quality publications.
- Partner with well-reputed national, regional, and international publishers and translation centers.
- Advance the ranking of the University through electronically publishing and translating quality books and scholarly works.

YEAR HIGHLIGHTS

Faculty or staff that would like to publish a written or translated book. The University will print his/her book and publish it free of charge. The author will be the owner of the book and will receive the revenues resulting from the publishing and selling of his/her book. In 2021, PMUPress is seeking to publish six books.

PRINTED

Developing Global Competencies for Lifelong Learning Program

Multilateral Leadership Program

Ecommerce Marketing Management

IN PROCESS

Multicomponent Reactions: A New Perspective

Women Therapeutics: What Every Woman Should Know

Molecules and Medicines: Causes of Medical Disorders

Things Everyone Needs to Know About Vegetables and Fruits

PMU PRESS

FINANCIAL SUPPORT

Outlines the PMU conditions and methodology for giving financial support to the author of books whether from PMU Employees or the Community in the Kingdom of Saudi Arabia so that they can have their books published.

A strategic aim of PMU is to raise its international profile through its publications. PMU encourages authors of books to submit their requests to the PMU Press to obtain the necessary financial support to have their books published. To be successful in obtaining the required financial support the author must satisfy the conditions and follow the procedures stated in this policy.

PMU PRESS

QUALITY IMPROVEMENT

The press currently is looking for some distinguish professors to build its Scientifics Council for reviewing received manuscripts. Reviewers will address issues related to manuscripts overall quality, relevance to the literature, contribution to existing knowledge, clarity, strengths, weaknesses, appropriateness, and suggestion for improvement to be factored into manuscript revisions.

PMUPress expect from the reviewers the highest level of professionalism, ethics, confidentiality and commitment in for reviewing the manuscript.

UPCOMING PLANS

- Develop Proposal Editing Checklist for the PMUPress
- Develop PMU Press Publishing Agreement Form
- Develop Financial Framework of PMU Press
- Develop a plan for publication and translation of books
- PMU Press Monograph/Book Submission Form
- Promote PMU Press web page
- Organizing a scientific symposium to introduce the PMUPress, its objectives, and its importance in contributing knowledge.

PMU PRESS

NEW ACTIVITIES & PROGRAMS

- Signing an agreement for an international publisher for printing PMUPress manuscripts.
- Select and translate a book from English to Arabic and Arabic to English
- Participate in International, Regional, and Local Book Fair
- Invest international partnerships with international publishers such as Pearson, McGraw Hill, Oxford, Cengage, and Willey to share experiences in the field of academic book publishing while enhancing educational service through the publication of academic books.
- Continue and strengthen the partnership with prestigious local and international universities to encourage Authors to publish at PMUPress.
- Facilitate open access to selected published and translated books.

INTERNATIONAL COLLABORATION

Expanding upon this mission, the PMUPress intends to collaborate with international university presses to establish a partnership that promotes mobile accessibility to the co-published books and monographs. Pivotal to the goals of establishing PMUPress is to develop a user-friendly interface of the digitally published items in a way that allows text-to-speech (TTS) feature to be implemented for print-impaired readers. And Designing, Identifying, and announcing Main Principles of the services that PMUPress.

Committed to widening the readership and accessibility of the published books and the advancement of human intelligence, the PMUPress is looking for a partnership that opens new horizons, channels, and venues for digital book distribution. Developing the proposed partnership would assist in cost-saving and sustaining both PMU and partner university presses in publishing and distributing high-quality scholarships.

EXPANSIONS & NEW INITIATIVES

- Activating the scholarly academic publishing and knowledge communication at PMU
- Promoting, publishing, marketing, and distributing the academic books
- Open access the publications of PMUPress on the PMU website
- Create and activate PMUPress social media accounts. (Twitter / Facebook/ LinkedIn...)
- Developing a technical guide for standardization in publishing Arabic books
- Translate two new books from English to Arabic by coordinating with PMU (Knowledge Project)
- Develop an agreement for the authors, reviewers, and editors' payment.
- Sign agreement with Local publisher or International publisher for printing and publishing PMU Press manuscripts
- Call for new manuscript submission by the PMU Faculty & Researchers

LRC

**LEARNING
RESOURCE
CENTER**

A photograph of a man with dark hair and glasses, wearing a grey t-shirt with a logo, standing in a library aisle. He is reaching up to a high shelf to pick up a blue book titled "BRIDGE RESEARCH AND DEVELOPMENT FOR 30 YEARS" by ZHANG ZHE. The shelves are filled with books, and the aisle is well-lit.

LRC Overview

Introduction
Goals

LRC Highlights

Collections
Print Collections
Electronic Resources

LRC Highlights

Online Public Access Catalog
Library Environment & Study Space

LRC Achievements

Collection Development
PMU Library Training
Library Facility Upgrades
SUMMON Subscription
Library Website Updates

LRC Accreditation

Support From Colleges

LRC Expansions & New Initiatives

LRC International Collaborations

OVERVIEW

The LRC team members have been working diligently to create a conducive learning environment that enriches the teaching-learning process at PMU. Our ultimate aim is to provide our community members with the resources and academic support that enable them to engage PMU learners in activities that allow them to develop the knowledge, skills, and attitudes necessary for advancing their academic success and future employability competencies.

The Learning Resources Center (LRC) is a service component and a multifunctional facility that provides:

- Resources that meet the needs of students, faculty, and instructional programs.
- Learning Services to ensure that PMU's Learner-Centered approach to education is being implemented successfully.
- Services related to technology Integration
- Guidance to the PMU community on the selection and use of the appropriate educational resources.



GOALS

Throughout 2021, as we faced new and unexpected challenges, the Library responded with agility, determination, and an unyielding focus on learning, instruction, and research. When classes went online librarians acted quickly and diligently to transition and expand their services to ensure that the PMU community was still able to access the resources and information that they needed.

While constantly monitoring the rapidly changing circumstances, the Library increased its core digital services—Information Literacy session and Research Class/Assistance through Blackboard Collaborate Ultra. LRC staff have a virtual office through Blackboard Collaborate Ultra.

As a multifunctional hub of knowledge production, The LRC aims to:

- Assist in promoting the literacy practices of the academic Community.
- Provide one-on-one tutoring sessions in various types of assignments and discipline-specific coursework.
- Empower students with the communication, presentation, research skills, and competencies they need to succeed inside and outside of the University.
- Facilitate access to trustworthy online primary and secondary sources, materials, writing guides, and digital tools that help students with their writing and research.
- Support excellence in Teaching Learning and Assessment

HIGHLIGHTS

The 2021 annual report highlights the services, workshops, activities, and events that the LRC offered. Library Staff provided more than 26 library instruction sessions and presentations. Staff conducted several orientation sessions for students on how to access and use electronic resources. They also provided support services to students, faculty, and staff in areas related to research and inter-library loan requests.

COLLECTIONS

One of the highlights this year was to select, acquire, manage, preserve, and provide access to Informational resources to support all programs, inspirational teaching, relevant research, and Service.

241

Research Questions

150

Interlibrary Loan Requests

26

Information Literacy Classes

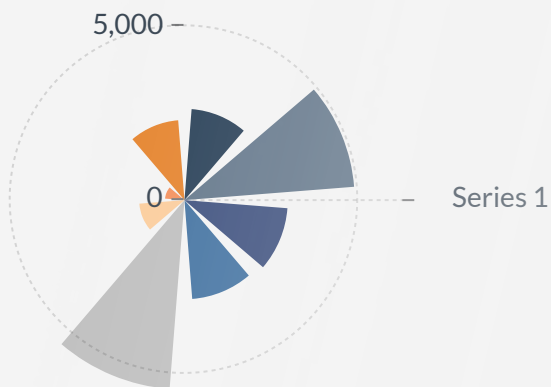
508

Students Attended Information Literacy Classes

PRINT COLLECTIONS

The currently available collection is 22,968 for male and female libraries. The library received donations and students' theses from the College of Business Administration and College of Law, which was archived and demonstrated in the library. A total of 182 volumes were added to the library collections in 2021. Figure 2 displays the number of library print collections per college.

PMU Library Print Collection



■ COE	2978	■ CCES	2853
■ COBA	5449	■ COL	1303
■ COAD	560	■ CSHS	2306
■ PREP	2629	■ General Collection	4896

ELECTRONIC RESOURCES

In 2021, the LRC continued maintaining its annual subscription to the Saudi Digital Library (SDL) which provides access to millions of digital resources to students and faculty. The SDL provided 24/7 on and off-campus to all available digital journals, e-books, monographs, videos, and other e-resources needed for the development of the teaching-learning and research process at PMU. The SDL provided access to four electronic book databases and nineteen electronic journal databases.

83,504

Electronic Books

58,373

Times Face-to-Face
Library Visits in 2021

30,533

Electronic Journals

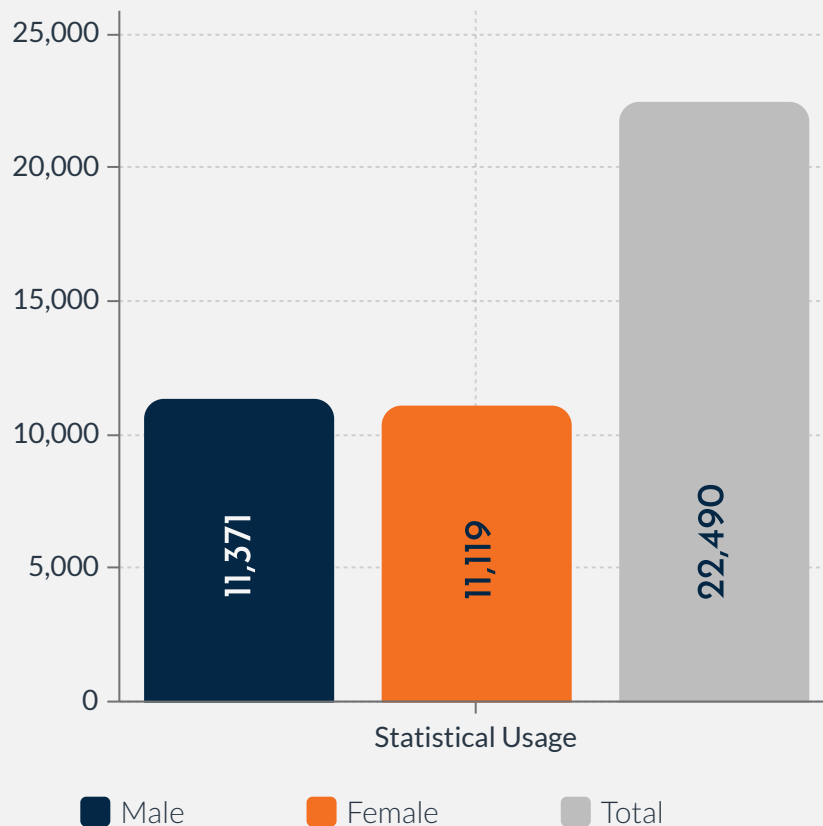
6,575

ProQuest Ebook Searches in Year

HIGHLIGHTS

Online Public Access Catalog (OPAC)

The below figure displays the usage of the Online Public Access Catalog and searches by male and female students, faculty, and staff members throughout the year 2021.



Library Environment and Study Space

This year, the LRC continued to provide adequate security, environmentally friendly, and technologically advanced physical environments. During the year 2021, a total of seventeen study rooms were available for both libraries, each with space for groups of up to four students. Each room is equipped with a computer, writable walls, magnetic walls, writable tables, and chairs. The usage of the study room in 2021 for males 928 and females 1895. Face-to-face classes started in September 2021. The total bookings for four months were 2823.

2823
Study rooms Assigned

928
Male

1895
Female

ACHIEVEMENTS

Collection Development

This year, the LRC continued to provide adequate security, environmentally friendly, and technologically advanced physical environments. During the year 2021, a total of seventeen study rooms were available for both libraries, each with space for groups of up to four students. Each room is equipped with a computer, writable walls, magnetic walls, writable tables, and chairs. The usage of the study room in 2021 for males 928 and females 1895. Face-to-face classes started in September 2021. The total bookings for four months were 2823.

PMU Library Training

The library provides the necessary training to enable full access to, and use of the library's resources. The library staff conducts 26 sessions for students during the year 2021 (online & face-to-face).

Library Facility Upgrades

- RFID Gate
- Self-Check Station
- Inventory Device
- RFID Staff Station



PMU library system upgraded (KOHA - LMS)

To simplify user access and improve administrative operations, the library has migrated from SirsiDynix to the open-source library integrated system KOHA.

KOHA integrated library system enables patrons to access their library account using PMU credentials. They can also view their borrowing history and renew materials from the library.

KOHA is an open-source library management system with more than 74 academic institutions, such as KAUST, Qassem University, Najran University, Jouf University, Prince Sultan University, Al-Imam Abdul Rahman University Ben Faisal, Northern Borders University, Princess Nourah Bint Abdul Rahman University, and ALBAHA University and many international universities are using KOHA across the world's countries. KOHA, as a free open source, facilitates the operational process of dealing with the library collections electronically. KOHA Features Award-winning, Source code is available, web-based, used by well-known universities, such as KAUST and Indiana University facilitates reporting, cataloging, label printing, provides considerable savings, and customizable reports.

ACHIEVEMENTS

SUMMON Subscription

Summon is a customized search engine that allows library users to search across most of the PMU library's catalog and online resources (SDL databases) and digital repositories from a single search box. The single search box is now available on the PMU library website.

Library Website Update

Added new features and services to the LRC webpage.

The following widget from different platforms was provided:

- SUMMON
- Electronic books & Journals
- Catalog (OPAC)
- A-Z Databases
- Digital Repository
- New Arrivals
- Suggest an item for the library to purchase.
- LRC News



The library received and processed

09
titles

ACCREDITATION



Support to Colleges

- Support to the College OF Engineering in accreditation by conducting LRC -ABET virtual meeting and demonstrated the LRC services that support academic services engineering faculty and students (writing center, resume building, tutoring, etc., also resources available for engineering students, with the current circumstances, how did the library services manage to adjust to support students.
- Support to the College of Computer Engineering & Science in accreditation by conducting LRC -ABET virtual meeting and demonstrated the LRC services that support academic services engineering & Science faculty and students (writing center, resume building, tutoring, etc., also resources available for engineering students, with the current circumstances, how did the library services manage to adjust to support students.

EXPANSIONS & NEW INITIATIVES

- Subscribe to Springshare software to facilitate users in locating & accessing the library resources. This will include “Ask a librarian” In addition to the subject support and the regular services that the library makes available to students, faculty, and staff, our future plans include designing an online tool (Ask a librarian) to provide the requested information in a timely manner.
- Facilitating the continuous subscription of the Saudi Digital Library and motivating faculty and students to attend webinars provided by the SDL administration to improve the utilization of the databases available on the platform.
- Develop and Publish Library guides and videos tutorial for LRC electronic database, and Create and publish training videos for electronic databases to be posted on the PMU Library website
- Offer workshops on using library facilities to achieve user satisfaction in support, and Search standard reference materials
- Conduct 25 information literacy classes in Developing skills for Students in Searching strategies, and Developing SDI and current awareness service for the students and user
- Update library collections with recommendations of Colleges for the new library items and Create new records in the library catalog by adding the new collections.
- To encourage faculty and students to share their research work with the PMU repository on Dspace. This upgraded platform incorporates the latest tools and innovative services for PMU researchers, faculty, and students.
- Activate the Selective Dissemination of Information (SDI) at LRC. and Develop 2 online courses on Library & information search skills to be fundamental of student search Skills, and one online course on Using Citation Tools for research

INTERNATIONAL COLLABORATIONS

The Learning Resources Center is seeking partnerships with international publishers to obtain more digital information sources that are not available at the Saudi Digital Library (SDL). The Library currently subscribed to 23 international academic databases from the best international publishers and contains modern books and journals that are made available to PMU library users.

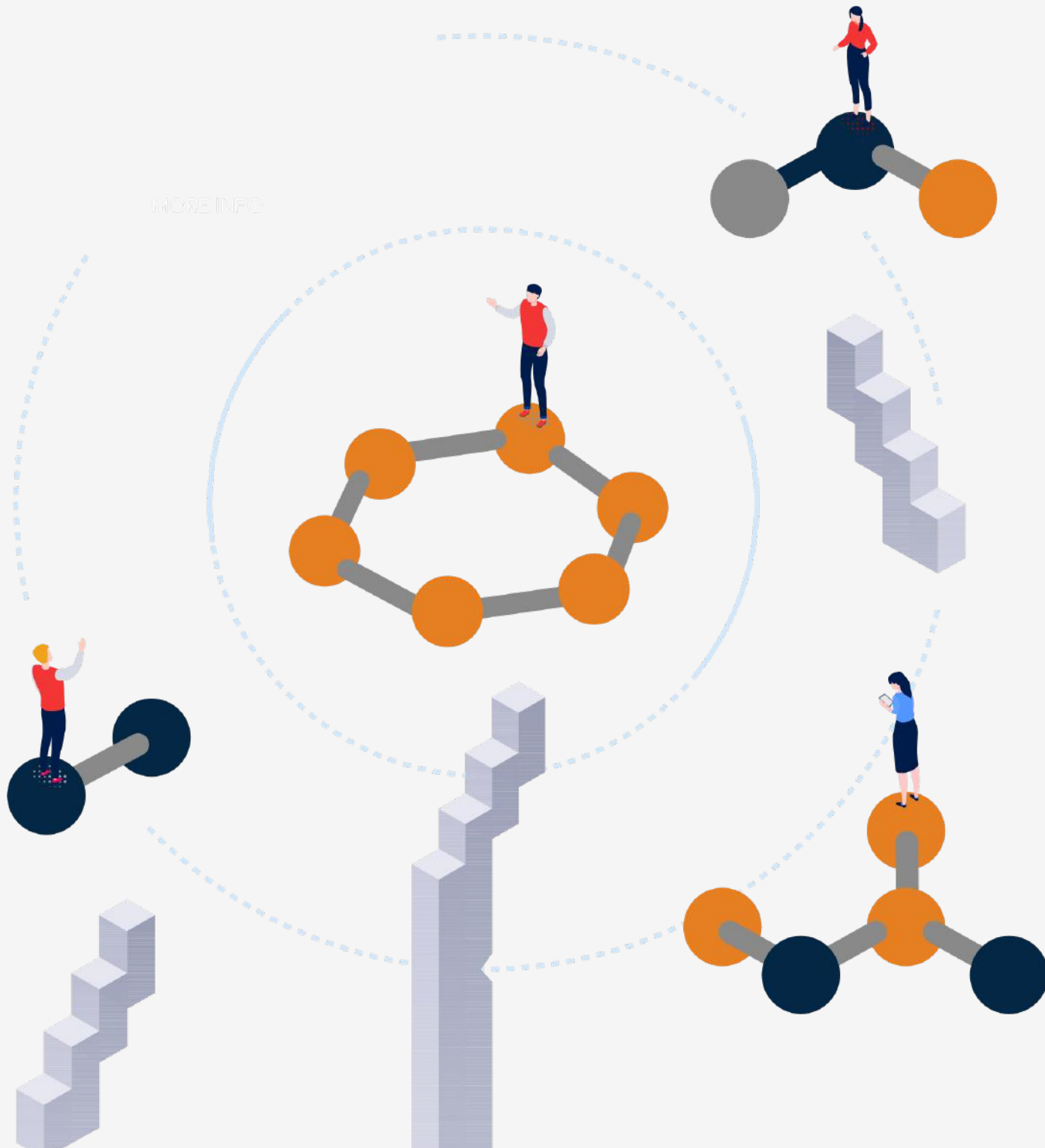
The Library is a member of the British Library interlibrary loan (ILL) service. Interlibrary Loan (ILL) service is available for items not found in the PMU collection. Electronic versions of full-text articles and chapters from books can usually be provided within 24 hours. In 2021, the LRC provides a large number of information resources to the users through this ILL service.

The Center has also concluded a cooperation agreement with the International Publisher Cengage, through this agreement, the PMUPress provides the physical and electronic books to the LRC and contributes to publishing PMU Authors' books and making them available to the LRC physically and electronically.

The LRC has also participated in the Arab Union Catalogue and has been awarded membership, which provides online catalog services to all Arab countries.



RESEARCH DEVELOPMENT





CS

CYBER-SECURITY
CENTER

CS Centers' Overview

Introduction

CS Centers' Year Highlights

Strengths

Challenges

CS Centers' Achievements

CCISO Workshop

Student Workshop

Faculty Workshop

Two-Year Diploma Program

Boot Camps

Research Achievements

CS Centers' Expansions & New Initiatives

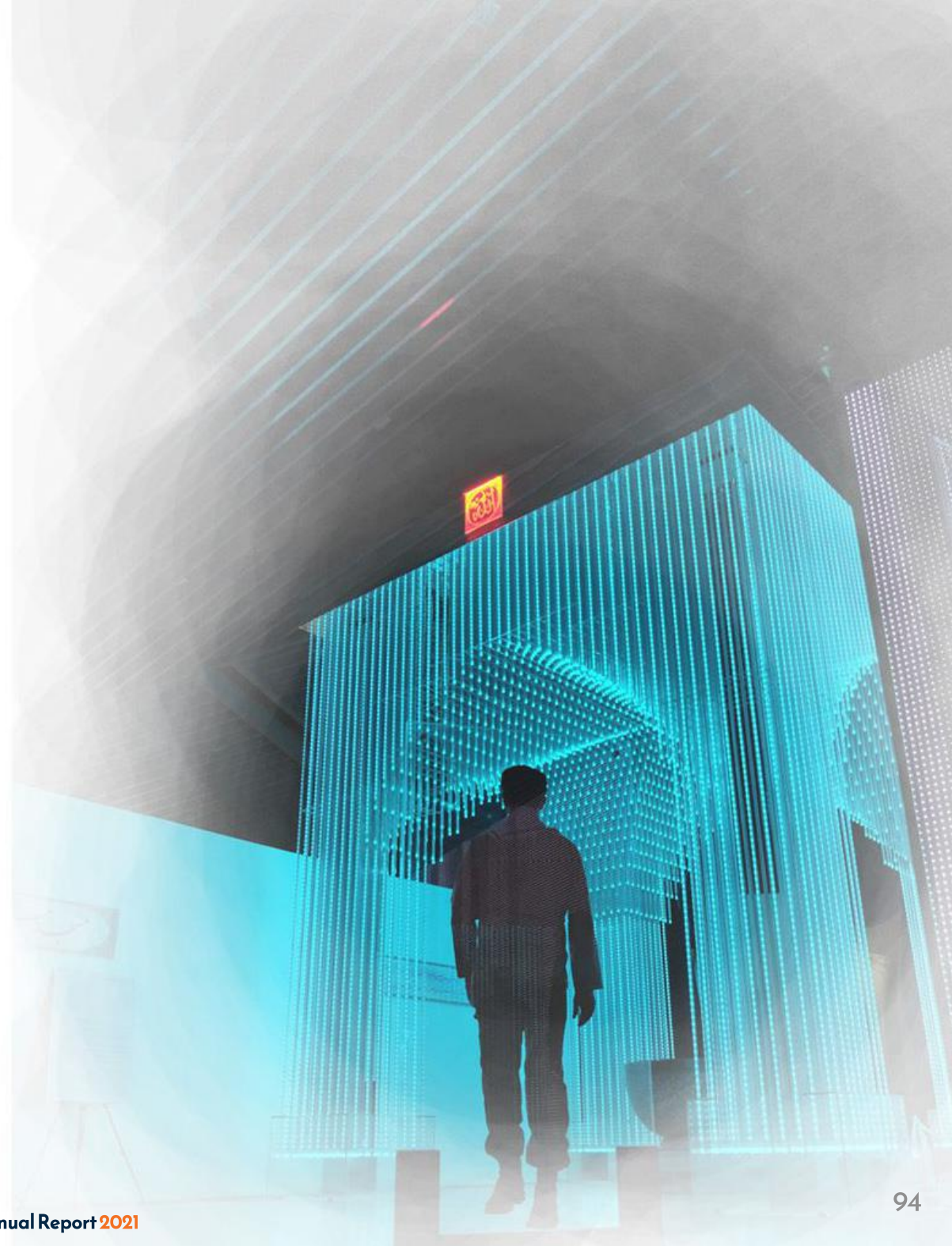
International Collaborations

CS CENTER

OVERVIEW

The Prince Mohammad Bin Fahd University's Cybersecurity Center was established to support the growth and progression of cybersecurity professionals through the latest curriculum, vibrant industry partnerships, community involvement, and training. The PMU Cybersecurity Center, in collaboration with its partners, will bring valuable training material and resources that help students in commencing and advancing their careers in Cybersecurity.

In addition to training and awareness programs for students and the general public, the center is also supporting cybersecurity research in core areas such as the security of cyber-physical systems, IoT, and critical infrastructure. The main aim is to involve PMU undergraduate students in strategically important areas.



CS CENTER

YEAR HIGHLIGHTS

STRENGTH

The main strength of this center is that it has alliances with three well-known cybersecurity companies. Also, the center is well supported by PMU higher management.

CHALLENGES

As far as the challenges are concerned, the main problem to hire suitable talent for the center.

11
RESEARCH GRANTS
In 2021

11
JOURNAL & CONFERENCE
PUBLICATIONS

Conducted 4-day chief information security officer workshop for industry leaders

Developed a two-year diploma program for PMU continuing education

Conducted cybersecurity workshops for PMU faculty, PMU students, and external participants

CS CENTER

ACHIEVEMENTS

CCISO WORKSHOP

a. As the demand for cybersecurity expertise continues to grow by the industry and government agencies, the PMU cybersecurity center has responded by successfully conducting a four-day cybersecurity leadership training for aspiring chief information security officers (CISOs). The training was attended by 16 candidates from 14 different organizations including, Saudi Aramco, Rawabi Holdings, and Zamil industries. The candidates were trained in the most important knowledge areas that are crucial for developing and maintaining an information security program at large organizations.

STUDENT WORKSHOP

- In coordination with EC-Council conducted a one-day workshop on Practical Mobile Hacking with Raspberry Pi.
- Cisco Cybersecurity Essentials Training: Three sessions one for male students and the other for two female students conducted and exams were taken in the year 2021.

FACULTY WORKSHOP

- Palo Alto's Cybersecurity Infrastructure Configuration workshop for PMU faculty
- Conducted hands-on Cyberbit CyberRange Training workshop CCES faculty

TWO-YEAR DIPLOMA PROGRAM

- Developed a two-year diploma program in cybersecurity for PMU continuing education
- Establishing a dual MS degree in cybersecurity with Syracuse University

CS CENTER

ACHIEVEMENTS

BOOT CAMPS

- Developed a detailed plan and syllabus for cybersecurity NIT boot camps
- Conducted exams for Cyber operations for 4 NIT boot camps

RESEARCH ACHIEVEMENTS

- The Center has provided 11 cybersecurity research grants to different international scholars from various parts of the world.
- Initiated research in core cybersecurity areas, including:
 - Advanced persistent threats (APTs) in automated transportation systems
 - Digital forensics of Drones
 - Advanced malware detection techniques
 - Intrusion detection mechanisms using machine learning techniques
 - Security of cyber-physical systems (CPS)

CS CENTER

EXPANSIONS & NEW INITIATIVES

The Center is planning to conduct and implement the following activities in year 2022:

- A hackathon is planned for university students.
- A minimum of three cybersecurity training courses will be conducted.
- A joint conference in collaboration with PMU colleges will be held on the PMU premises.
- Security Operation Center (SOC) labs will be developed.
- Cybersecurity Center lab to accommodate training and research will be established.



INTERNATIONAL COLLABORATIONS

The Center has established academic training collaborations with the following industrial partners:





CAI

ARTIFICIAL INTELLIGENCE CENTER

A person wearing glasses is working at a computer. The background shows multiple monitors displaying code. A teal square is positioned at the top center of the page.

CAI Overview

Introduction

Vision

Mission

Collaboration

CAI Year Highlights

Main Achievements

CAI Laboratory

CAI Publications & Patents

CAI Expansions & New Initiatives

CAI

OVERVIEW

Artificial intelligence (AI) has become ubiquitous in science, engineering, business, industry, and society. The Center for Artificial Intelligence (CAI) is established at Prince Mohammad Bin Fahd University (PMU) to fulfil its strategic research in applied AI to serve the needs of society and break new ground of scientific importance.

The membership of CAI includes faculties from all PMU Colleges. The Center has state-of-the-art computing equipment, Internet on Things (IT) infrastructure, and strong institutional support to achieve its mission and objectives.

CAI members are actively involved in research and submitting their works to reputable journals and conferences. CAI believes its research works to support the Saudi vision 2030 to elevate the country's competitiveness and increase PMU ranking.

VISION

AI for everyone.

Published **28** Journals

Published **04** Book Chapters

07 Conference Papers

MISSION

The mission and objectives of CAI are to provide excellence in research and development in machine intelligence with interdisciplinary applications and gain national and international recognition. The Center is headed by its Founding Director, Professor Tuan Pham, who has a strong research record in AI for medical research, and is a well-known figure in the field of image processing and deep learning for pattern recognition.

Research areas of CAI include but are not limited to deep learning in artificial neural networks, fuzzy logic, bioinspired optimization, image processing, computer vision, signal processing, time series analysis, pattern recognition, and virtual and augmented reality. Applications are interdisciplinary, including medicine, health, multimedia, computing, mobility, manufacturing, energy, engineering, natural science, law, business, humanities, and education.

The journals include Scientific Reports (Nature), IEEE Transactions on NanoBioscience (IEEE), IEEE Access (IEEE), Expert Systems (Wiley), Multimedia Systems (Springer), IEEE Transactions on Engineering Management (IEEE), Information Sciences (Elsevier), Burns (Journal of the International Society for Burn Injuries), Brain Informatics (Springer), Health Information Science and Systems (Springer), and Europhysics Letters (IOPscience). These papers are abstracted and indexed in well-known databases including SCI and Scopus. The citations of CAI members in 2021 is 2,168 and the overall citation is 8,299 with h-index 60, and i10-index 168. CAI members were invited to present their research works on AI, medical applications, and cyber security applications at several meetings such as International Conference on Artificial Intelligence and Big Data Applications (ICAIBD2021, September 24-25, 2021), International Conference on Bioinformatics, and Biomedical Technology (ICBBT'2021, 21-23 May 2021, Xi'an, China), and Fifth International Conference in Communication, Devices, and Networking (ICCDN, December 15-16, 2021, Sikkim, India).

CAI Director serves as an Associate/Section Editor for several scholarly journals, series, and conference proceedings, such as Pattern Recognition (Elsevier), Heliyon (Cell Press), IET Signal Processing, Entropy (MDPI), Frontiers in Artificial Intelligence, Frontiers in Big Data, Frontiers in Network Physiology, Computer Science Advisory Board (Cambridge Scholars), Current Bioinformatics (Bentham), The Open Bioinformatics Journal (Bentham), International Journal of Digital Crime and Forensics (IGI Global), Journal of the Institute of Electronics and Computer (The Institute of Electronics and Computer (IEC)), IEEE-EMBC (Theme 10: Biomedical & Health Informatics), IEEE TrustCom, ACM, and SPIE conference proceedings.

In 2021, Professor Pham and his colleagues have edited a book "Advances in Artificial Intelligence, Computation, and Data Science in Medicine and Life Science" which attempts to report recent advances in the complementary domains of AI, computation, and data science with applications in medicine and life science. This book was published by Springer and endorsed by the International Society for Computational Biology

COLLABORATION

CAI has recently initiated a collaboration with PMU Blind and Visually Impaired Program (BVIP) to develop equipment and software for helping blind and visually impaired students. Meetings with BVIP Office and students, and other faculty members have been underway to identify practical issues that BVIP students and faculties encounter so that digital transformation can be utilized for facilitating the students' learning.



CAI

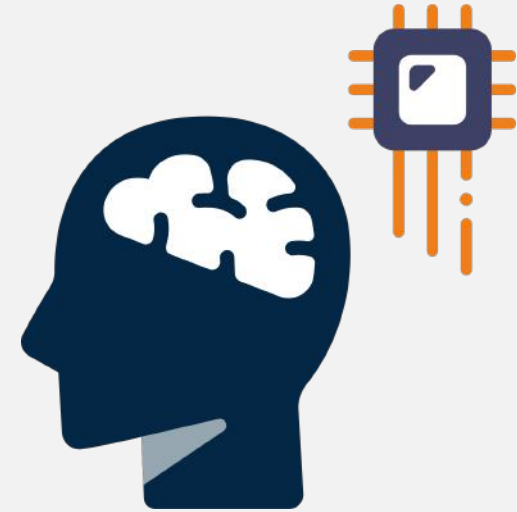
HIGHLIGHTS



A. Sigma Xi's membership-at-large Virtual Induction Ceremony for Professor Tuan Pham, CAI Director, was held to celebrate the newest members-at-large! to learn more about Sigma Xi, hear from the Society's leadership, and share in the Sigma Xi pledge with his companions in zealous research.



B. Professor Pham has developed an AI-based image processing algorithm that automatically marks the contours of the wound and instantly provides an estimate of the size of the wound with millimeter accuracy. This algorithm has been used in SeeWound. The SeeWound is a mobile-based application that allows clinicians to objectively measure and document wound sizes directly at the point of care. It is developed by Seber Medical, Sweden. The overall design and functionality of the application have since been developed in collaboration with medical professionals active within specialist clinics, primary care units, municipal care facilities as well as with patients. It is trusted by health care professionals at more than 30 dermatology clinics, primary care units, and municipality care facilities in Sweden.



C. Cybercriminals use domain generation algorithms (DGAs) to prevent their servers from being potentially blacklisted or shut down. Existing reverse engineering techniques for DGA detection are labor-intensive, extremely time-consuming, prone to human errors, and have significant limitations. Hence, an automated real-time technique with a high detection rate is warranted in such applications. Dr. Ravi presents a novel technique to detect randomly generated domain names and domain name system (DNS) homograph attacks without the need for any reverse engineering or using non-existent domain (NXDomain) inspection using deep learning. Our approach provides a more effective detection rate with an accuracy of 99%. This work was published in IEEE Transactions on Engineering Management.



CAI members have been invited for keynote speeches, convener and chair for conferences and workshops, and editor for Journals, Books and Conference Proceedings.

The CAI members are highly active in research and presenting their research to colleagues, and students of PMU. The Center aims to regularly organize research workshops to inform interested faculties and students to stay on top of the cutting-edge of the technology and keep up with societal needs. One such most recent was the Center for Artificial Intelligence Forum held in 02 November 2021 at both male and female campuses. This event was attended by participants from all PMU Colleges.

Invited for

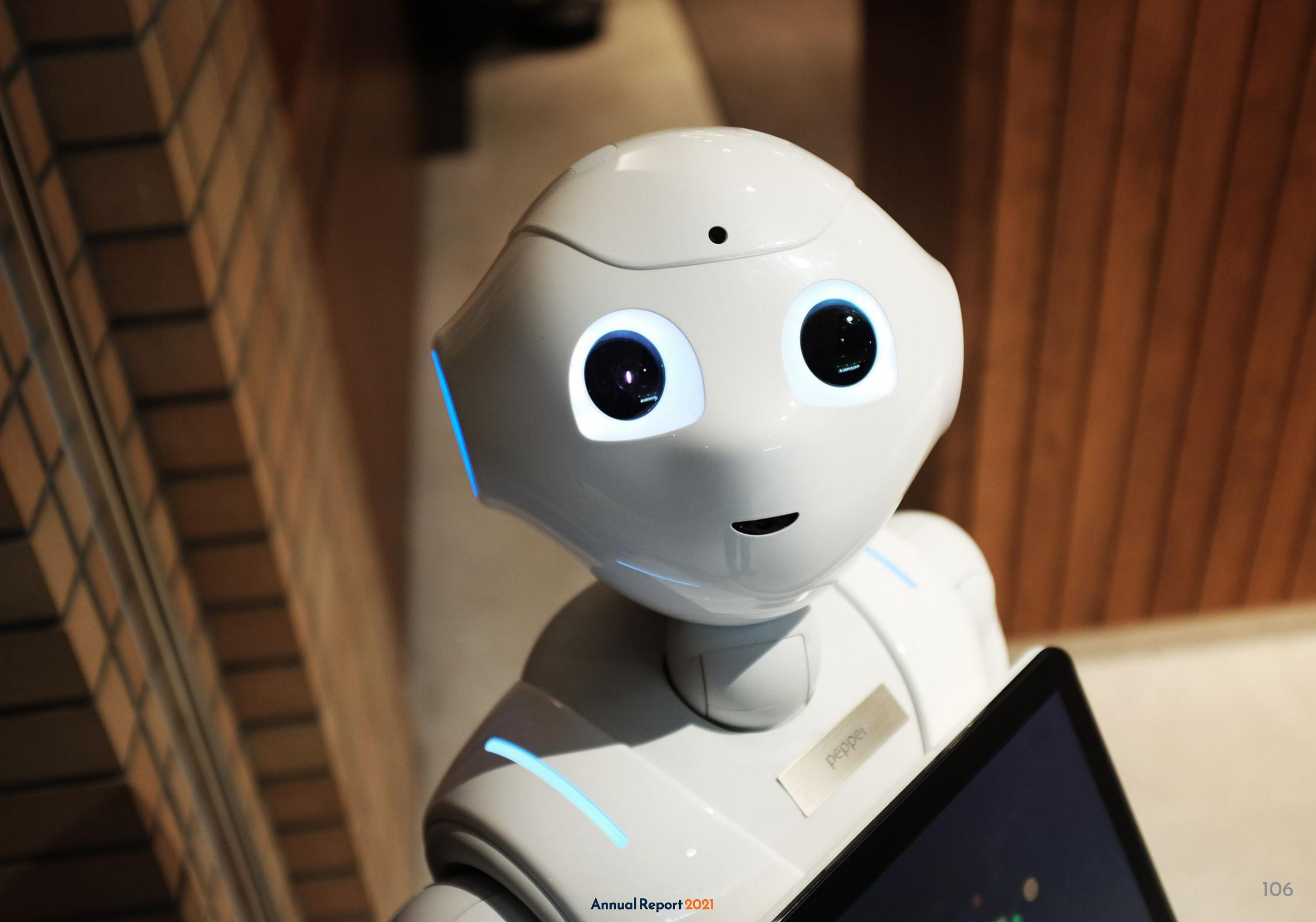
05

Keynote Speeches in the year 2021



CAI Lab has been under construction. The Lab is equipped with cutting-edge technology and machinery, including Digital Pathology, Speech Recognition and Smart Cities, Computer Vision, Augmented Reality, and GPU server. The digital pathology aims to transform disease samples provided by international medical collaborators into whole slide images. These images will be used by CAI researchers to develop AI-based models for biomarker discovery, prediction, prognosis, and medical hypothesis validations. The images collected from the Digital Pathology Lab will be a big database. CAI Lab has state-of-the-art server, workstations, and high-performance computing platform to store and train large-scale AI models. CAI aims to develop scalable large-scale models with the aim to deploy the developed models in healthcare and business. More researchers in all areas of AI are being recruited to work on various AI-based applications, engage with faculty across PMU Colleges, and collaborate with national and international scientists to fulfil CAI's vision.





CAI

LABORATORY

The CAI lab has advanced devices and components, below are some of the devices but not limited to:



LAMBDA HYPERPLANE SERVER
LAMBDA-16 SERVER



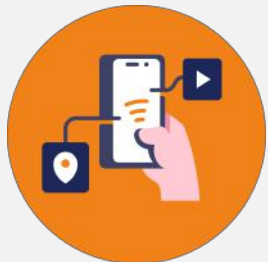
VIRTUAL REALITY AND AUGMENTED REALITY



CANCER RELATED RESEARCH



COMPUTER VISION



SPEECH RECOGNITION &
SMART CITIES

PUBLICATIONS & PATENT

01

MONOGRAPH

03

EDITOR FOR JOURNALS, BOOKS, AND
CONFERENCE PROCEEDINGS

35

PAPERS IN REFEREED JOURNALS

09

PAPERS IN REFEREED
CONFERENCE PROCEEDINGS

04

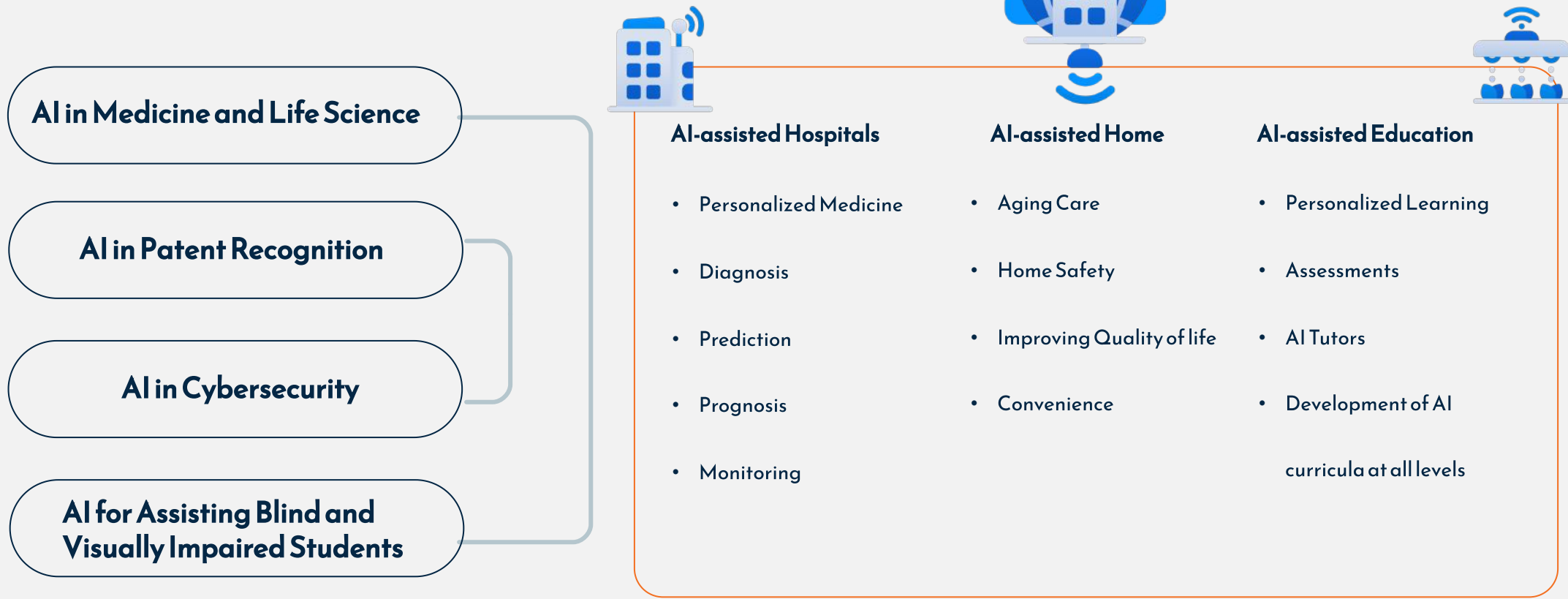
BOOK CHAPTERS

01

PATENT

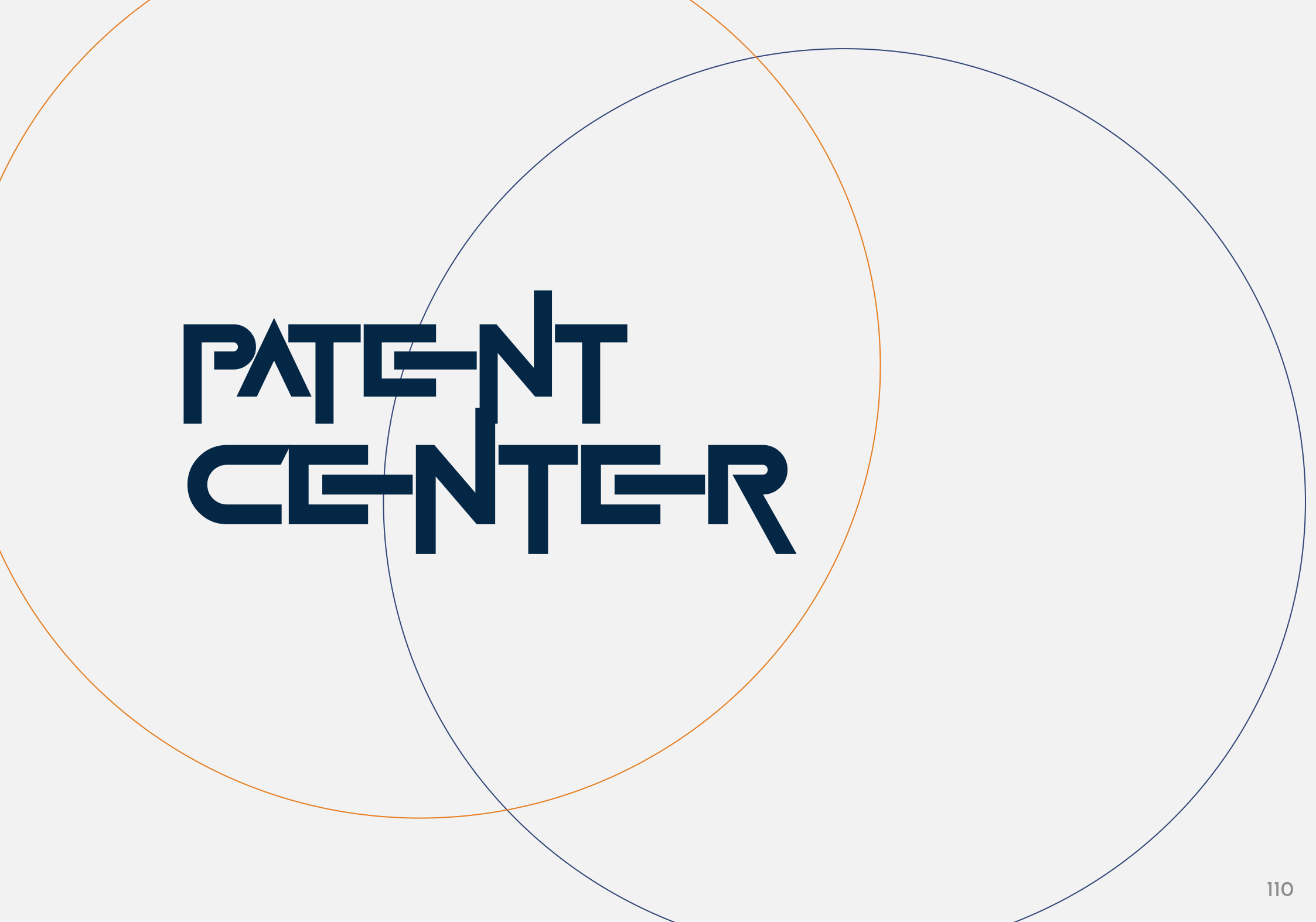
CAI

EXPANSIONS & NEW INITIATIVES



INTERNATIONAL COLLABORATIONS

- The Burn Center, Linköping University Hospital, Sweden
- Department of Biomedical and Clinical Sciences, Division of Surgery, Orthopedics and Oncology, Linköping University, Sweden
- School of Medical Sciences, Örebro University, Sweden
- Faculty of Computer Science and Engineering, Ho Chi Minh City University of Technology, Vietnam
- FutureLab Artificial Intelligence I Bal-2, Radeberg, Germany



**PATENT
CENTER**



Patent Center Overview

Vision

Mission

Patents Registered

Patent Center Partnerships

PATENT CENTER

OVERVIEW

In 2019, PMU amplified its commitment to help researchers and scientists patent and commercialize their inventions, through the creation of an office dedicated to Patenting and technology commercialization.

VISION

PMU's vision is to be a higher education institution having a transformative impact on society through sustainable innovation in education, research, and creativity.

PMU is committed to sustaining world-class excellence in education, research, and service by advancing the state of discovery, development, and application of knowledge.

Our multicultural diverse and inclusive communities, our global connectedness and engagements, and our 21st futuristic outlook enrich our university environment.

MISSION

As part of university's mission along with the ongoing commitment to solve real-world problems through research, the PMU strategy sets out a framework for how to support the researcher to be innovative and creative.



PATENT CENTER

In 2019, PMU amplified its commitment to help researchers and scientists patent and commercialize their inventions, through the creation of an office dedicated to Patenting and technology commercialization.

To encourage creative thinking and inquiry, the Patent Center began by conducting numerous faculty workshops, highlighting available invention patent opportunities, providing resources to assist in idea development and fruition, and maintaining ongoing support of the center to actualize US patent processing.

More activities, workshops, seminars, and courses are underway in collaboration with the National Association of Inventors (NAI). PMU, a sustainable member of the NAI, is committed to innovation.

PIONEERING INVENTIONS PRESENTED TO THE PMU PATENT OFFICE ARE FROM



كلية الهندسة
COLLEGE OF ENGINEERING



كلية إدارة الأعمال
COLLEGE OF BUSINESS ADMINISTRATION



كلية العلوم والدراسات الإنسانية
COLLEGE OF SCIENCE AND HUMAN STUDIES



كلية هندسة وعلوم الحاسب الآلي
COLLEGE OF COMPUTER ENGINEERING AND SCIENCE

72

Inventions

39

Patents

23

Patents granted by US
Patent Office



PATENT CENTER

PATENTS REGISTERED

- 01** **System computer** - Readable storage medium and method of deep learning of texture in short time series
- 02** Early warning system to detect the onset of corona epidemic/pandemic
- 03** Thermal imaging system for disease outbreak detection
- 04** Multi-stage brain tumor image processing method and system
- 05** Method of Forming Thermally and Electrically Conductive Polyolefin-Carbon Nanomaterial Composite
- 06** New fabrication method to produce modern copper wire with enhanced electrical conductivity to be used in electrical industry
- 07** Method of Making Polymer Nanocomposites
- 08** New fabrication method to produce modern Titanium material for medical devices and implants
- 09** New fabrication method to produce modern high strength titanium pipe to be used in aerospace industry
- 10** Method for making polyethylene composite
- 11** Method of applying voltage to a polymer/graphene composite to form a conductive polyolefin - carbon nanomaterial
- 12** Method for making polyethylene composite
- 13** Earthen dam structure
- 14** Process for metal forming wires
- 15** Hybrid Portable Water Generator
- 16** Solar distillation system with integrated cooling and controller



17 Supper Conduit System and Method For Dehumidifying Air

18 Method For Making and Using a Die Sorbent

19 Proximity Triggered Water Fountain System With Deflector

20 Solar distillation system with integrated cooling and controller

21 System and method of dehumidifying atmospheric air using a vapor condensation process

22 Hydraulic confinement measuring system for determining hydraulic conductivity of porous carbonates and sandstones

23 HVAC Dehumidification system

PATENT CENTER

PARTNERSHIP

The Patent Center in collaboration with our US partner National Academy of Inventors (NAI) is offering an online course in patents, trademarks, copyrights, and trade secrets. Those who complete the courses in the curriculum and pass the final exam receive Innovation Development Certificate from NAI. This course is very useful for the faculty and students especially the college of Law who would be interested in intellectual property.

LECTURES

PATENTS

Introduction and Basics

Eligibility and Criteria

Defending and Enforcing

COPYRIGHTS

Introduction and Basics

Eligibility and Limitations

Copyrights in the Internet Age

TRADEMARKS

Introduction and History

Eligibility and Application

Defending and Enforcing

TRADE SECRETS

Introduction and History

Eligibility

Trade Secret Law

PATENTS



PMFCFS

**FUTURISTIC
STUDIES CENTER**



PMFCFS Overview

Introduction

Facts & Figures

Councils

PMFCFS Year Highlights

Main Achievements

Strengths

Year Challenges

PMFCFS Expansions & New Initiatives

PMFCFS

CENTER'S OVERVIEW

INTRODUCTION

The Prince Mohammad Bin Fahd Center for Futuristic Studies (PMFCFS) aligns with PMU's mission to become a leader for advancing Vision 2030 principles in Saudi Arabia and an advocate for future transformation in the greater MENA region. The Center was established in 2019 and reports directly to the Vice President for Academic Affairs.

PMU has a large number of faculty with a diverse array of specializations in areas that are consistent with the Center's mission. These individuals have independently established research groups, planned research activities, attended conferences, and published in scholarly journals. Their expertise encompasses all disciplines within PMU's Colleges and Departments. The center utilizes existing skills, expertise, and experience to offer an interdisciplinary approach to issues of local and international relevance.

The Center focuses its research on topics related to the future of education, the environment, the future of business, public policy, design, technology, medicine and other areas.

In alignment with PMU's mission and vision, the Prince Mohammad Bin Fahd Center for Futuristic Studies aims to position itself among the leading academic institutions in the Middle East as a research-led center. The Center hosts the regional (MENA) World Futures Studies Federation Chapter and works to develop a strong network of partner institutions to ensure sustainable, high-impact collaboration on initiatives of local and international importance.

FACTS & FIGURES

Prince Mohammad bin Fahd Center for Futuristic Studies (PMFCFS) organized a conference in Futures Studies "The Openness of Futures" with the World Futures Studies Federation (WFSF), where PMU is the main partner for this event on October 26-29, 2021 in Berlin, Germany.

▶ Prince Mohammad Bin Fahd University (PMU) hosted the UNESCO Chairs International Symposium in Futures Studies and Futures Literacy on December 6-9, 2021. PMU welcomed 33 UNESCO Chairs, 11 in-person and 68 virtual delegates and renowned specialists in Futures Studies and Futures Literacy from around the world to discuss relevant pedagogy and research methodology and their pertinent challenges for educational institutions and young generations.

▶ Prince Mohammad bin Fahd Center for Futuristic Studies (PMFCFS), in collaboration with UNESCO, conducted its annual UNESCO Futures Literacy Lab. The Spring Semester FLL was held on April 5-7 and focused on the “Futures of Technology 2046”. It was attended by 30 students. Another FLL activity entitled, “The Future of Cities 2050” was held in Fall Semester, December 7-9. There were 50 students from different colleges who participated in the said activity.

▶ As of December 2021, PMU-WFSF MENA Chapter received 48 membership applications. It was composed of 44 individual membership and 6 institutional membership from different MENA region such as Algeria, Egypt, Jordan, Lebanon, Mauritania, Morocco, Saudi Arabia, Sudan and United Arab Emirates.

▶ PMFCFS also established its own PMU research team with 20 memberships from different PMU colleges.

▶ PMFCFS developed a new course in association with the World Futures Studies Federation (WFSF). This course allowed students to get an international exposure; participating in activities with the UNESCO and WFSF. The course included guest speakers from around the world on a virtual platform to assist to bringing a real-life connection to the application of future thinking. PMFCFS invited 5 guest speakers last Spring Semester 2021 while 7 guest speakers last Fall Semester 2021 as part of the Online Lecture Series to share their knowledge, experience and expertise to PMU community.



COUNCILS

Prince Mohammad Bin Fahd Center for Futuristic Studies World Futures Studies Federation - MENA Region Chapter International Advisory Board

The World Futures Studies Federation MENA Region Chapter announced its International Advisory Board. Serving purpose & mapping out strategies that oversee activities in the future of education, youth, environment, AI, & other important topics facing society today.



DR. ISSA AL ANSARI - CHAIRMAN

President - Prince Mohammad Bin Fahd University

Dr. Erik Overland - Member
President of the World Futures Studies Federation

Dr. Fabinne Goux-Baudiment - Member
Head of ProGective, Paris

Prof. Ted Fuller - Member
UNESCO Chair on Responsible Foresight for Sustainable Development

Dr. Sulaiman Alkaabi - Member
CEO, Futures Foresight Foundation, UAE

Dr. Riel Miller - Member
Head of the Futures Literacy, UNESCO, Paris

Dr. Peter C. Bishop - Member
Executive Director of Teach The Future

Dr. Sohail Inayatullah - Member
UNESCO Chair of Futures Studies at USIM, Malaysia.

Prof. Ali F. Almutari - Member
Dean of Students Affairs, Kuwait University

Dr. Faisal Al Anezi - Member
Vice President for Academic Affairs, PMU

Dr. Jay Gary - Member
Founding Member & Chair of Association of Professional Futurist

Dr. Nisreen Lahham - Member
Founder & Head of Futures Studies Forum for Africa & Middle East (FSF)

PMFCFS



YEAR HIGHLIGHTS

MAIN ACHIEVEMENTS

PMFCFS continued to reach new heights in 2021. In its bid to become a leading global center for futures studies, the Center sponsored several major events and further expanded its international impact through educational and research initiatives. The Center served as the primary sponsor for the October 2021 World Futures Studies Federation biannual conference, one of the most important events for futures practitioners and researchers. It also hosted the December UNESCO Chairs International Symposium in Futures Studies and Futures Literacy, which brought many of the world's most prominent futurists to Khobar for a three-day summit.

In addition to organizing these key events, the Center has also directly supported educational and research initiatives in futures. This includes its sponsorship of the PMU-WFSF Annual Research Grant, which grants awards of up to \$5,000 to individuals and teams pursuing high-impact work that advances the cutting edge in futures studies. The December 2021 three-day UNESCO Futures Literacy Lab provided a unique opportunity for students to explore futures thinking and the applied practice of the discipline on an exciting and challenging topic.

STRENGTHS

In 2021, The PMU Center for Futuristic Studies (PMFCFS), significantly increased both its internal competencies and scope as well as its international visibility, positioning, cooperation, and recognition. A key strength is its willingness and ability to take a leadership position in futures studies both for KSA and the MENA region as a whole and ultimately beyond through its increasing number of cooperation agreements and growing expertise.

Within its in-house program, the PMFCFS was able to extend the reach of its teaching programs, by introducing Introduction to Future Studies Course and also through the expansion of its guest lecturer program. In total 10 external lecturers were invited to present to the classes. These included high level expert futurists from around the globe. Their topics ranged from participatory futures, emerging methods and practices, to the power of science fiction, future lifestyles and living environments.

In addition, the PMFCFS introduced UNESCO-led Futures Literacy labs, which provided a completely new learning dimension and approach for the students as well as providing direct, immersive experiential training for the Center's faculty and staff. In this regard, PMFCFS has demonstrated its progressive and agile approach to the field and its ability to grow in a highly structured but flexible manner. Similarly, the Research Grant cooperation program with WFSF has helped raise PMU's overall involvement in the field of Futures Studies.

All these actions were reflected in the robust increase in overall student intake for the futures courses on offer. The increase represents a very positive performance given that the PMFCFS has only been operating for two years. In addition, the two principal faculty members responsible for the futures courses extended their domain competencies through cooperation with members and programs at UNESCO and direct involvement in World Futures Studies Federation (WFSF) programs and events.

Having established its growing importance within PMU, the PMFCFS is now well placed to expand its involvement in bringing futures studies into other faculty programs where appropriate as part of the strategy of introducing transdisciplinary approaches to course development and instructional design. In addition, the Center is in the process of developing a Futures Studies Master's program in cooperation and under the guidance of UNESCO, which will ensure that it meets the highest possible international standards, The PMFCFS has determined a strong joint team of experts to ensure that the program is in line with international best practices and benchmarking.



YEAR CHALLENGES

Whilst PMU and PMFCFS' rapid advancement as a prominent member of the futures community is both commendable and a significant contribution to KSA academic prowess and leadership, sustaining and growing this position is not without challenges. The most important among these is the need to strengthen its academic competencies in futures studies and to make the center even more desirable for global students to study at PMU.

Establishing the importance of futures studies internally as well as building up its practicing skill base to enable the PMFCFS to offer its

services to regional government and industry (in the first instance) will give both the center and the field a higher reputation and relevance, all of which are part of its vision to support the KSA Vision 2030 initiative. The research grants have helped in that respect, however, part of the solution to this challenge will be the integration of futures studies into other faculty syllabi, both to increase student creativity and innovational skills and their understanding of future potential in their area, as well as the complexity of the "global challenges".

PMFCFS

EXPANSIONS & NEW INITIATIVES

► The Center aims to deepen its impact locally and internationally through several nascent initiatives. With the planned fall 2022 launch of the M.A. in Futures Studies, the Center is building a portfolio of partnerships with leading futures centers and international organizations worldwide. This includes both expanding the impact of futures locally – deepening the impact of futures studies within the KSA – and bringing the best internationally practices of futures studies to the Kingdom. The Center aims to establish and expand this bridge in the years ahead.

PMFCFS will initiate the following:

Organize an international conference in Futures Studies and Research at PMU | Organize 4 workshops, Symposium in collaboration with UNESCO, ICESCO in Saudi Arabia, MENA Region | Establish a Scientific Committee and send out an International Call for the 3rd Research Grants | Book write-up and publication: Publish a Book in the field of Futures Studies in collaboration with renowned Futurists



SA
STUDENT
AFFAIRS



SA Overview

Objectives

Strategic Directions

Communication & Collaboration

Major Events & Activities

SA Clubs & Organizations

SA

CAMPUS LIFE

Student life is a key feature of student experience at PMU. At Campus Life try to create a positive student experience that will help them grow as leaders in the society. This is done by systematic, strategic way of thinking and planning for the promotion of student life.

The Campus Life Department offers a variety of programs and services that are designed to complement and enhance the student's educational experience at PMU. While students sharpen their intellectual skills in the classroom, the campus life programs are designed to complement classroom learning through experiences, group work, and activities. These programs also provide a variety of opportunities for our students to develop additional skills in their ten core competencies.

The Ten core competencies are:

- | | |
|-----------------------------|----------------------------|
| 1- Problem Solving | 8- Decision Making |
| 2- Critical Thinking | 9- Service Orientation |
| 3- Creativity | 10- Emotional Intelligence |
| 4- Cognitive Flexibility | |
| 5- Coordinating with Others | |
| 6- Negotiation | |
| 7- People Management | |

OBJECTIVES

Campus Life is committed to supporting the student learning experience in the University. We have developed the following learning objectives for students working with the Campus Life Events.

STRATEGIC DIRECTIONS

Students working with Campus Life will gain knowledge of Leadership Development.

- Pay attention to individual roles and responsibilities as a student leader.
- Make achievable goals.
- Delegate responsibilities in a balanced manner.
- Evaluate all events/projects impartially.

COMMUNICATION & COLLABORATION

- Communicate professionally through verbal and non-verbal communication in all environments and all situations.
- Speak in clearly as to delegate work.
- Work effectively with others to organize events.

RESPONSIBILITY

- Develop programs to support community, social, economic, and educational development.

- Encourage and promote the society, which we are a part of.
- Create programs educate the students about diversity, cultural differences, and globalization.

TEAMWORK

- Identify all aspects of planning a program/event.
- Maintain accurate program records and information through documentation and filing system.

PERSONAL & PROFESSIONAL DEVELOPMENT

- Work on personal skills/abilities, strength, and weaknesses.
- Balance commitments in a responsible manner (i.e. academic work, extra-curricular activities, personal time, etc.) and assess
- Time management skills
- Maintain personal health and wellness in stressful environments
- Reflect on how personal experience influences professional decision-making.
- Analyze personal development, professional development and learning.



LIST OF MAJOR EVENTS & ACTIVITIES

PMU NEW STUDENT VIRTUAL ORIENTATION

Under the supervision of the Deanship of Student Affairs, the Department of Campus Life launched the virtual student orientation to introduce the new students to the different departments at PMU, and to offer a chance to the clubs to market themselves and recruit members among new comers.

WELCOMING EVENT

The purpose of the event is to extend a warm welcome to all students for fall semester. A great opportunity for new students to get to know one another. It is also an opportunity to learn more about their non-academic programs and other services on campus. This event was held in September (6th-8th) 2021, which also included the club Socialization where active clubs can recruit members.

LAW CLUB VISIT

On Wednesday, October 20, The Law Club held a trip to the Commercial Court in Dammam. This exciting visit consisted of a tour around the court divisions. The personnel of each division presented a brief summary.

FIELD TRIP TO GCCLAB

On 25 November 2021, senior students and faculty members from electrical engineering department visited GCCLAB located in 3rd industrial city "Moden 3".

The visit started with an overview presentation about GCCLAB followed by tour in Gulf Renewable Lab and Advanced Testing Lab. With warm welcome engineers at GCCLAB provided full demo during the tour.

CO-CURRICULAR ACTIVITIES PHYSICS FAIR

A physics fair was organized on November 16, 2021, at the Department of Mathematics and Natural Sciences. The topic of the fair was "Application of Physics in our daily life" since physics governs our

everyday lives and is involved in a number of activities we perform and things we use in our daily life.

The goal of the fair was to demonstrate the importance of physics in understanding various natural phenomena and in contributing to the development of science and new technologies, thus, the students realized the importance of studying physics.

RELATIONS TO LEGAL FUTURE CAREER

Male Law Club held a seminar on 17/11/2021 in relations to legal future career in general, then specified criminal law.

The seminar targeted law students and have great impact on attendance from the students at the mail auditorium

FIRST AID WORKSHOP

Saudi Red Crescent authority in cooperation with the campus life department organized a first aid workshop that was held on Monday, September 20, 2021, it is beyond doubt that knowledge of first aid promotes a safer and healthier environment. The campus life department with the cooperation of the Saudi Red Crescent Authority had a First Aid workshop that indicated the importance of saving a life. Well-trained first-aiders apply the right methods to keep the situation under control

SAUDI NATIONAL DAY

The Campus successfully celebrated on the 26th of September 2021 in the Main Entrance and Prep building. There were traditional displays and flags on the Campus that day. Campus Life also distributed souvenirs to the students, faculty, and staff. During the celebration of the event, everyone strictly followed the social distancing and safety protocols.

PINK DAY

The purpose of this event is to spread awareness about Breast Cancer in an appealing way. On October 20th, Campus Life with the help of Public Relations Department conducted activities in various locations to attract all female students, faculty, and staff members.

PINK RIBBON COMPETITION

Campus Life department sat a competition among the students to use their creativity to make tangible or designed breast cancer logo. This type of activity increased the awareness of PMU students and the faculty. It emphasized the knowledge of PMU students about breast cancer.



INTERNATIONAL DAY OF PERSONS WITH DISABILITIES

The Department of Campus Life in collaboration with Public Relation organized activities for children from Prince Sultan Rehabilitation Complex on December 5, 2021. Around ٢٩ children with special needs were received by PMU students and staff who welcomed and toured them the campus. Also children enthusiastically participated in sports and recreational activities which took place in PMU Sports Center.

The event raised awareness of individuals with special needs and showcased some of their challenges and how as a community we should care and support each other!

INTERNATIONAL MENTAL HEALTH

PMU ONLINE CHESS TOURNAMENT

The Department of Campus Life at PMU organized PMU Online CHESS TOURNAMENT which was held on December 20-21 2021, Student who won the tournament will represent in the SUSF tournament.

ELECTRONIC & INTELLECTUAL SPORT TOURNAMENT FOR FIFA 21

The Department of Campus Life at PMU organized the first electronic & intellectual sport tournament for FIFA 21 last 28th January 2021. In collaboration with Proz Arena, an eSports organization for online & offline tournaments.

CLEAN-UP CAMPAIGN HALF-MOON BEACH

Campus Life in collaboration with PMU diving club organized a clean-up campaign held on Wednesday July 7, 2021 in the Half-moon beach. Under the slogan "We Dive We Clean"

CLUBS RECRUITMENT

Different clubs at PMU organized a recruitment campaign to attract new members: Diving Club, Chess Club, CCC Club, Volunteers Club, Biking Club, Rovers, IEEE Club, Law Club, Nazaha, etc.

UN INITIATIVE (CLEAN-UP BEACH CAMPAIGN)

Campus Life Department with the support of the Diving and Biking Club organized the UN Initiatives called Clean-Up Beach.

120 females and male volunteers joined the UN Initiative, which was organized by PMU under the title of "شواطئنا نظيفة" to clean the shore of half-moon and subaqueous.

The goal of the campaign was to provide a cleaner beach environment as well as a less polluted shallow coastal water area for not only the people visiting this area but also to the Marine life. It was an extremely important event that assisted in mitigating the dilemma affected by human mores.

The volunteers collected about 220 KG bags of trash.

PMU TABLE TENNIS TOURNAMENT

Among the campus life activities, on the 26th of October, the Sports Center at Prince Muhammad Bin Fahd University hosted a Table Tennis (ping pong) Tournament for the male students. On the 27th of October, the same tournament was hosted for the female students.

PMU BADMINTON TOURNAMENT

The Department of Campus Life launched the Open Badminton Tournament last November 23-24, 2021, on the Male and Female campus. A total of 36 participants turned up for the one-day tournament that took place at the PMU sports center.

PEARL HUNTING ADVENTURE

The PMU Divers team dive into the heavenly blue waters of Bahrain and returned with a sublime experience of their time on the islands last November 3, 2021.

PMU CYCLING

SUSF TABLE TENNIS

Another moment to celebrate in PMU! Credit goes to the commitment and the excellence of our PMU table tennis team. This stunning victory was achieved, over Jeddah International College and was among 60 players from 23 different schools in the Saudi, University Sports Federation, which was held at Hail City from November 9 to 12 this year deserves to be applauded.

Wish you luck with your greatest achievements!

FIFA21 SUSF TOURNAMENT

27 universities participated in this tournament & Prince Mohammed Bin Fahd University has achieved the top spot in the FIFA21 University's League for electronic sports with 13 points, achieving 4 wins & a draw.

PMU FUTSAL TOURNAMENT

Congratulations to all the winners and participants of yet another successful Futsal Elimination (12) Rounds Event last Thursday, 23 December 2021. We would like to thank everyone not only for your participation, but also for your enthusiasm and sportsmanship.

We hope that everyone has enjoyed the games played and we look forward to seeing all of you again to a more exciting, heart pounding, and fun-filled event in the next final rounds.

TAEKWONDO TOURNAMENT SUSF

The Taekwondo Championship was held in September in Jeddah, last 1st October 2021. There were around 23 universities participated in that event and PMU is one of that. Despite not making it in the top what matters most is they had experience it for the first time and promise to return much ready and stronger.

PMU MAN OF STEEL TOURNAMENT

PMU DIVING CLUB



CLUBS & ORGANIZATIONS

MALE CO-CURRICULAR ORGANIZATIONS

- ASME, PMU branch - American Society of Mechanical Engineers
- IEEE Student Chapter: Institute of Electrical and Electronics Engineers
- Law Club
- Computing Collaro Club (CCC)
- Media Club
- Nazaha Club
- Volunteers Club
- Running Club
- Chess Club
- PMU Rovers
- Diving Club
- Biking Club

PMU STUDENT COUNCIL 2021/2022

(MALE) BAADER TEAM



(FEMALE) BAADER TEAM



FEMALE CO-CURRICULAR ORGANIZATIONS

- Law Club
- Computing Collaro Club (CCC)
- Future Studies Club
- Mahaber Club
- MIS Female Club
- PMU basketball Club
- Social Outreach Club
- Undergraduate Research Club

MISSION

Our mission is to represent our fellow students. We want to get them engaged with university activities by reviving the university clubs. We also reserve the role of being a mediator between students and faculty members.

To offer an exceptional representation for PMU student community, to improve the quality of campus life and to represent the student's interest and concern to administration, while providing activities and services deemed helpful to students.

CLUBS & ORGANIZATIONS

INCREASE NUMBER OF CLUBS' ACTIVITIES BY 10%

Initiatives:

- For new clubs:
 - Make sure that descriptions and fields are beneficial to students and following PMU vision.
 - New club needs to organize one activity to be approved
 - Get the clubs more involved through Campus Activities by forming a Campus committee or council which will meet periodically.

CONTINUE TO INCREASE THE NUMBER OF COMMUNITY SERVICE ACTIVITIES (ON/OFF CAMPUS)

- Connect with faculty and community to organize Community service events on and out of campus.
- Encourage clubs to organize Community service activities on campus
- Encourage students and clubs to get engaged and promote activities related to Community and Charity out of campus
- Organize an Open Day for selected Non-Government Organization

KEEP ON ORGANIZING CO-CURRICULAR ACTIVITIES ON CAMPUS THAT WILL COMPLEMENT AND FOSTER ACADEMIC LEARNING AND PROMOTE LIFELONG LEARNING EXPERIENCES.

- Coordinate with chairs and faculty to determine needs and opportunities
- Develop Project week in all departments to highlight students work
- Coordinate with faculty to conduct student competitions
- Implement Humanities week and Science week

CONTINUE TO IMPROVE INFORMATION TO THE CAMPUS ABOUT ACTIVITIES AND EVENTS IN STUDENT AFFAIRS BY DIVERSIFYING THE CHANNELS OF COMMUNICATION.

- Ensure website is up-to-date and current
- Utilize social media to alert campus of events
- Continue to utilize student affairs news in an way to reflect PMU professional image
- Enhance Student Affairs Website and features for each of the units in Campus Life and make sure all the useful info is available

ORGANIZE UN DAYS ON VARIOUS ACADEMIC AND SOCIAL SUBJECTS

INCREASE STUDENT PARTICIPATION IN INTERNATIONAL OR REGIONAL EVENTS, COMPETITIONS OR TRIPS.



The logo for the Information Technology Department (ITD) features the letters 'ITD' in a bold, dark blue, sans-serif font. A thin blue circle is positioned behind the 'ITD' text, and a thin orange circle is positioned behind the 'INFORMATION TECHNOLOGY DEPARTMENT' text. A thin orange horizontal line is positioned below the 'ITD' text.

ITD

**INFORMATION
TECHNOLOGY
DEPARTMENT**



ITD Overview

ITD Year Highlights

Main Achievements

Strengths

Year challenges

ITD Support Services

Infrastructure

MIS

Academic Computing

IT helpdesk

ITD Expansions & New Initiatives

ITD

OVERVIEW

The Information Technology Department (ITD) has developed to cater to the university's evolution and its emerging needs in response to world pandemics. The educational institution affected the normal cycle of education. The Office of the Chief Information Officer has responded to its main services/sections supporting the entire PMU community, i.e. Management Information Services, Infrastructure Services, Academic Computing Services, and Web Center, to facilitate the use of the applied technologies and applications under new normal education. These services of the Information Technology Department at PMU bring us to where we are now and give you a sense of the size and scope of operation, for which our responsibility and commitment.

We are engaged in an enormous range of activities as we move toward adapting new trending technologies in the digital era. The goal that we keep aflame in our hearts is to provide the University with modern state of the art technologies in the eastern province of the Kingdom of Saudi Arabia.



Although the focus of tackling the direct impact of COVID-19 is important, positive technologies can be extremely useful to reduce the problem brought on by the pandemic and to help faculty and students flourish even during difficult and complex times.



YEAR HIGHLIGHTS

MAIN ACHIEVEMENTS

- Acquiring Technology and the potential for a fully digital classroom has quickly emerged as an important part of modern education classroom solution
- Digital learning and a virtual classroom will be the best option at the present times of some classes.

STRENGTH

The IT Department has been advance and positioned strategically before the global pandemic full blast in 2020. IT easily showed how quickly and suddenly an emergency can arise that disrupts traditional education models. When the novel coronavirus spreads around the world in a matter of months, we manage to prepare for virtual learning.

Other advance technology is migration of our database to cloud storage with collaboration with banner and EBS to have access to an online classroom.

We eventually cater the delivering IT Services available whether the class was always held virtually or there was a hybrid situation in use, the virtual classroom will ensure that faculties and students are prepared.

YEAR CHALLENGES

This was a uniquely challenging year for the IT Department, perhaps one of the most challenging for faculty and students in our PMU history, however, the 2020-21 academic year ended successfully.

When the pandemic hit, classes were becoming online around the kingdom, from preschool and primary levels through colleges and universities. students and faculty alike were forced to adapt to the changing idea of education and figure out a way to continue learning and engaging through virtual classrooms. Even as the gradual ways to reopen in-person learning and keep everyone safe in the university, the benefits of digital learning and a virtual classroom will likely entice many to consider the option for at least some classes.



SUPPORT SERVICES

Infrastructure Services

The IT infrastructure and security section is responsible for creating the technological vision and strategies that enable the delivery of new technology solutions supporting the university's mission of teaching, learning, research, and security, along with the day-to-day functions of the university. IT infrastructure also helps to accelerate the university's progress, simplify the use of technology, and enhance the ways that technology contributes to education with an ambition to meet the myriad and disparate needs of the entire community to improve IT services on the campus.

Management Information Services

The MIS is under the hierarchy of the IT department and consists of experienced professional staff with experience in the relevant field. The team is responsible to provide essential support and deliver essential services in Prince Mohammad Bin Fahd University, to students, faculty, staff, and users.

We are proud to provide our expertise in functional and technical support in the following areas:

■ **Student Information Systems (Banner):** PMU core SIS application for managing student data and its includes an additional module that supports areas of business such as:

- Banner Student Module - used for student academic records and history.
- Account Receivable Module - used for financial transactions related to student payments.
- Admission Module - used for student admissions.

■ **Enterprise Resource Planning: Oracle E-Business Suite (EBS)** is a complete set of business applications for managing and automating the process. It is a comprehensive suite with a various modules such as:

- Finance
- HR and Payroll
- Inventory
- Purchasing
- iSupplier
- iExpenses
- Enterprise Asset Management.

■ **Cloud-Based Applications:** we have hosted various cloud applications for our academic and non-academic staff available to access 24/7 with all assistance and support available to them as needed below is the list:

- Blackboard
- Blackboard Collaborate
- Oracle Hyperion
- Oracle Taleo

■ **Web-Based Applications:** They are various web-based applications available on the campus to support all departments list below are some of the widely used applications by academic and non-academic staff:

- Banner Workflow
- Degree Works
- TAA
- Web-based reports

SUPPORT SERVICES

Academic Computing services

Being the main interface to the PMU community, the Academic Computing Services (ACS) is a unit within the Information Technology Department (ITD) that provides (internal & external) computing, audiovisual and technical support services. With the IT Helpdesk, we offer technical support to faculty, students and staff. We provide support for various software and in-house applications, the latest windows operating system, email client services, audiovisual services, classroom technology, and more. ACS also imparts in managing the acquisition of IT hardware and software, securing maintenance agreements, securing warranties, and certifying software license agreements.

- ▶ **Classrooms & Labs Technical Support**
- ▶ **College Labs Support**
- ▶ **Classrooms & Lab Maintenance**
- ▶ **Classroom Technology Services**
- ▶ **End-user technical support**
- ▶ **Technical Support Workshop**
- ▶ **Audio Visual Services**

IT Helpdesk

The IT helpdesk is the University's centralized support service desk for any IT-related concerns. Managed by an IT professional both on male & female campuses, the IT helpdesk can be reached thru email it-helpdesk@pmu.edu.sa or by phone (+966) (13) 849-8888 and is available from Sunday thru Thursday from 8:00 AM to 4:00 PM.



IT EXPANSIONS & NEW INITIATIVES

Migration from Oracle Cloud

Shifting/Migration of PMU's business applications Banner and Oracle EBS from Oracle cloud to PMU data center and new Dell VxBlock hardware.

E-Appointment System

Online appointment makes students and administration management easier and more efficient. This system also helps in recording, reporting, and analyzing such information to help in efficiently managing the process of students and just solving the issues and easy communication with each other.

Implementation of Additional Workflow

The automation of processes to meet demand and improve services for students' new workflow and enhancement of current workflows.

Implementation of 2 Entity in EBS

As per the new business requirement, a fresh implementation of the additional entity in Oracle EBS has been implemented and went live for all the required modules.

Database upgrade from 11g to 19c

Upgrade of Oracle Database from Oracle 11g to 19c gives PMU the latest in efficient, reliable, and secure data management for mission-critical online transaction processing applications such as Banner. Oracle Database 19c offers customers the best performance, scalability, reliability, and security for all their operational and analytical workloads. It includes nearly 100 new features, such as Automatic indexing, Hybrid partitioned tables, Security and performance enhancements, zero-downtime Oracle Grid Infrastructure patching, and SQL/JSON syntax simplifications.

Upgrading of Banner Modules

Banner 9 upgrade brings the modules to the current versions, helping us to maintain current industry standards, and offers a better experience when accessing information. The new version offers enhanced usability and more efficiencies and fixes against security vulnerabilities and adopting new technology.

Interface Between Banner and EBS

A new enhanced Interface was developed to monitor and data integration between Banner and EBS. The automation of processes to meet demand and improve services for students' new workflow and enhancement of current workflows.

IT EXPANSIONS & NEW INITIATIVES

13 Digital Interactive Boards

The latest new technology is Hardware teaching Medium by installing i3 Digital Interactive boards. All Female Classes Interactive Boards installation were accomplished. On Male Campus Installation of three colleges had been done.

Interactive Boards

Interactive boards have multi potentialities that act as a whiteboard with the latest idioms and tools, OPS (Open Pluggable Specification) and Android. The screens are connected to the internet by LAN and Wifi, the Instructor can connect to the screen with various mediums (Wifi /cables) and with various smart devices like Laptop, Smartphone, or any smart device.

Data Center Technology Refresh

After the data center refresh was completed, the business applications experienced an immediate increase in performance and reliability, indicating the data center is running much more efficiently. Communication and workload management between compute systems and the storage area network also improved greatly.

Manage Engine Software

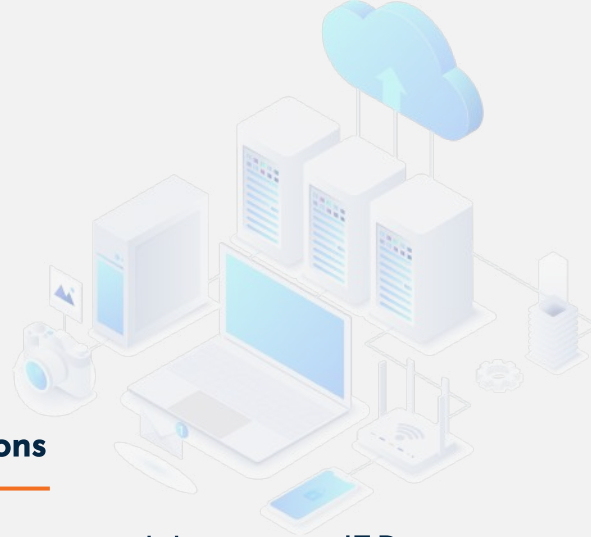
MES is a wide customized application that can categorize services and route requests into a specific section in the IT department. A ticket will be generated and can be tracked and also accepted feedback from the end-user.

Virtual Classroom

This project aims to use one of the campus classrooms that can communicate for 60 students at the same time virtually with high-quality conferencing. This solution consists of a BARCO Big video wall in the half-round shape and the instructor podium in the middle. This classroom can be used by various colleges as per request and needs.

Enhanced Campus Cyber Security

To pursue the highest level of cybersecurity is a top priority for PMU, as part of a comprehensive move to upgrade, protect and manage its IT infrastructure the security team at PMU implemented a 360-degree cybersecurity defense system with globally recognized security technologies to strengthen its cybersecurity, with greater means to identify and block new and advanced threats.



High Availability for Online Business Applications

Implemented new network load balancers to ensure fast accessibility of PMU Online services.

Enhanced Email Security

Implemented email security platform for PMU email services hosted on office 365 cloud Protection from spam, phishing, and impersonation attacks.

Disaster Recovery Site

Established a Remote data center disaster recovery site intended for business continuity while safeguarding the synchronized data with recovery options.

Smart Campus Initiative

The mission of the Smart Campus initiative is to bring sustainable, eco-friendly, and energy-efficient development that is an efficient, safe, sustainable, responsive, and enjoyable place to live and work, underpinned and enhanced by digital / internet-based technologies. In addition to the obvious benefits of a more efficient, connected, and responsive campus, would also enhance and reinforce the PMU's reputation as a progressive academic institution

QUALITY IMPROVEMENT

IT Department in particular such as smartphone apps, social technologies have the potential of enhancing different critical features to be considered and valued—effective quality, engagement/actualization, and connectedness—that are challenged by the pandemic.



**SAFETY AND
SECURITY**



Safety & Security Overview

Mission

Vision

Core Values

Safety & Security Introduction

Objectives

Strategic Directions

Achievements

Goals & Recommendations

Occupational, health, security, and ergonomics unit

Introduction

Future Plans

Goals

Infrastructure and Project Quality Improvement Unit

Introduction

Achievements & Challenges

Healthcare Services

Introduction

Campaigns

Patient Care Statistics

Goals

SAFETY & SECURITY

OVERVIEW

MISSION

The mission of the Office of Safety and Security is to provide for the safety and security of the entire campus by engaging the faculty, staff, and students; coordinating with external partners; and providing excellent programs for the campus community.

This office oversees the management of:

- Emergency Preparedness and Management
- Environmental Health and Safety
- Building Access

VISION

We ensure the highest standards in health, safety, security, and environmental protection across the PMU community.

CORE VALUES



SAFETY – We believe safety is paramount



COOPERATION – We work together to achieve excellence



COMMUNICATION – We provide education and assistance



INTERGRITY – We value respect, virtue, and professionalism

OBJECTIVES

SAFETY AND SECURITY UNIT



The Safety Unit of the Department of Safety & Security at PMU is responsible for the Security Services and General Law Enforcement. This includes electronic safety and security such as CCTV cameras, access control, alarms, and emergency phones.

OCCUPATIONAL, HEALTH, SECURITY AND ERGONOMICS UNIT



The Occupational Health, Security, and Ergonomics unit (OHSE) purpose is to help all PMU employees create and maintain a healthy and safe working environment.

INFRASTRUCTURE AND PROJECT QUALITY IMPROVEMENT UNIT



The Infrastructure and Project Quality Improvement is to ensure that the constructed project meets the quality requirements established by PMU. To accomplish this goal, PMU management personnel must perform the following functions for the project team to ensure the desired quality of the constructed project:

HEALTH CARE SERVICES



The Health Care Center provides an environment that helps students in reaching their potential as individuals and encourages their spiritual, academic, and social growth. We aim to promote PMU students' ability to seek appropriate care and treatment for their mental and physical health and wellness.

SERVICES

- Providing information about ergonomics
- Providing consultation regarding workstation setup
- Giving on-campus training on ergonomics (per request)
- Providing product evaluations
- Providing an online self-assessment tool. This tool will walk the individual through self-evaluation and provide the user with recommendations to modify their workstation.

SERVICES

- Establish requirements
- Build teamwork
- Supply resources
- Evaluate performance

SAFETY & SECURITY

INTRODUCTION

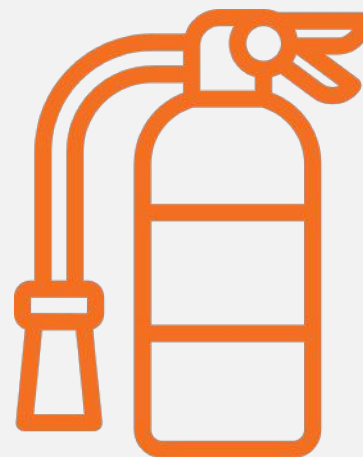
At PMU, Safety and Security hold a key role in maintaining a safe environment for students, staff, administrators, and faculty. For over 8 years, PMU Safety and Security Unit have been on guard of keeping the university safe and it creates a conducive environment for the students to learn.

The Head of Safety and Security is tasked with the management, supervision, and coordination of all security assets within the University. It has a total of 37 security personnel and 3 supervisors who work around the clock to ensure campus safety and security.

Safety and Security also offers a variety of services that are designed to complement and enhance the student's daily experience at PMU.

OBJECTIVES

Safety and security are committed to handling tasks to maintain peace and order; secure and protect lives and property; enforce basic laws, applicable at University rules and regulations; and perform other functions relative to the general safety and security of students, employees, and residents in PMU accommodations.



SAFETY & SECURITY

STRATEGIC DIRECTIONS

Students benefiting from Safety and security programs will gain knowledge and experience of:

Commitment, Dedication and Responsibility

- Abide laws and violations
- Learn engagement and responsibility
- Setting Smart goals.
- Develop organizational skills
- Critical thinking and innovation

Communication, Collaboration and Teamwork

- Solve problems arising at various levels.

Community Service

- Develop programs to support social, and economic development of the community.
- Community engagement and volunteerism
- Promote diversity, cultural differences, and globalization.

Personal & Professional Growth

- Work on personal skills/abilities, strengths, and weaknesses.
- Balance commitments in a responsible manner (i.e. academic work, extra-curricular activities, personal time, etc.) and assess
- Time management skills.
- Maintain personal health and wellness in stressful environments.
- Reflect on how personal experience influences professional decision-making.
- Analyze personal development, professional development, and learning.





SAFETY & SECURITY

ACHIEVEMENTS

01

Enhanced and detailed Safety and Security policies:

- Detailed categories of violations on campus.
- Defined repeated violations of the code of conduct & instilled relevant disciplinary actions.

02

Developed & Implemented Training Programs:

- Partnered with Red Crescent to enhance and develop 3 mandatory pieces of training.

03

Increased Security personnel involvement through Covid- Precautionary activities.

- Assist in temperature monitoring, sanitization, and mask distributions.
- Allocate stickers and warning signage for social distancing and other covid-related awareness.
- Safety Driving: organized in collaboration with the Aramco

GOALS & RECOMMENDATIONS

- Security Personnel Involvement: Complete and execute the staffing plan
- Installation of advanced equipment

SAFETY & SECURITY

OCCUPATIONAL, HEALTH, SECURITY AND ERGONOMICS UNIT

INTRODUCTION

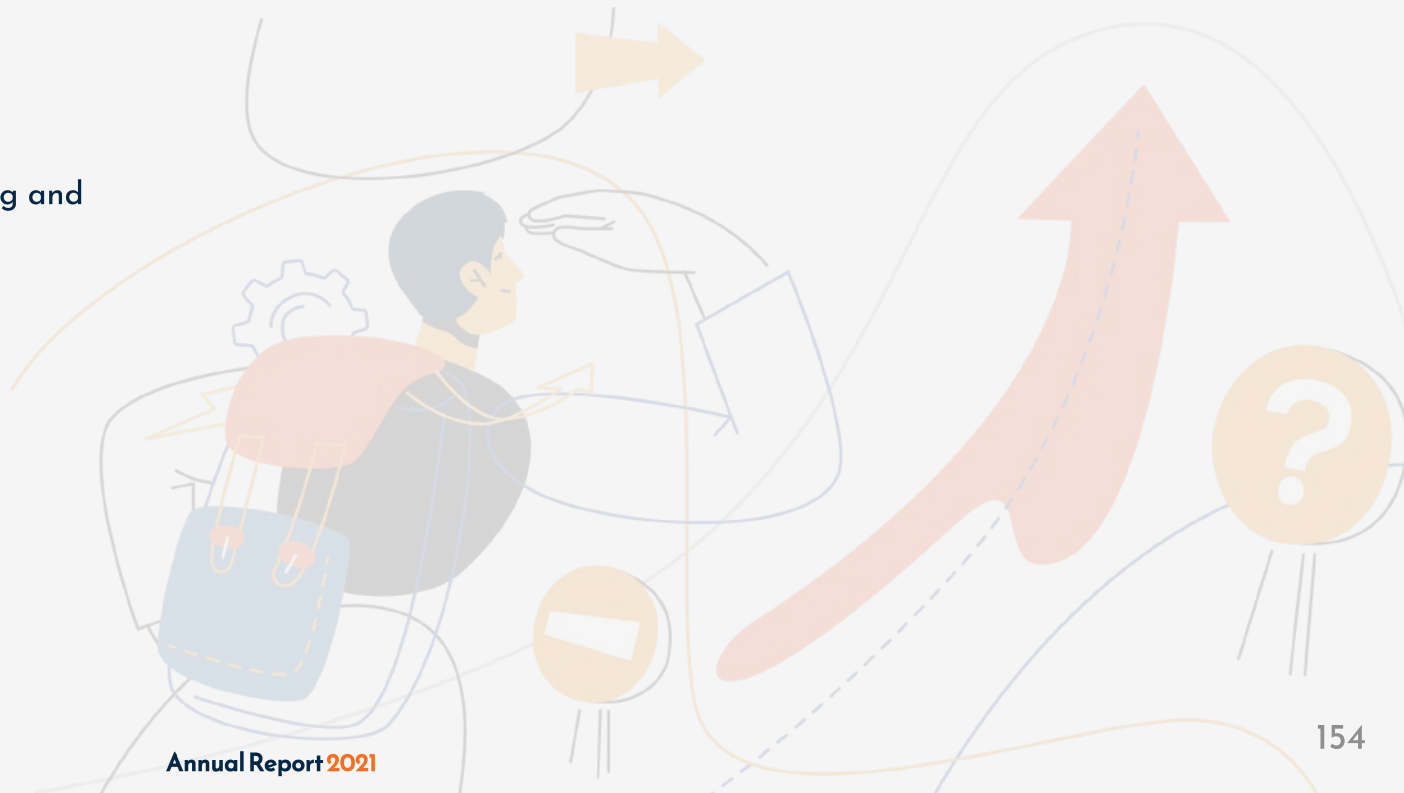
The Occupation, Health, Security, and Ergonomics Unit in PMU aims in adapting a working environment to workers in the promotion and maintenance of physical, mental, and social well-being in all occupations in the highest form. This is always has been associated with a change in the structure of the labor force as a whole including a rise in the employment of women.

FUTURE PLANS

This Unit plans to extend its campus extensive training and involvement of staff in every department.

GOALS

- Provide labor workforce with any needed assistance in preparing to a work
- Conduct on-campus training and workshops
- Improve the working environment and focus on conducive to safety and health.



SAFETY & SECURITY

INFRASTRUCTURE AND PROJECT QUALITY IMPROVEMENT UNIT

INTRODUCTION

The Infrastructure and Project Quality Improvement Unit was established to create a framework for department quality improvement efforts and to provide a structure for developing, monitoring, evaluating, and promoting quality improvement (QI) activities aimed at improving performance throughout PMU projects. And to ensure success in creating a quality and sustainable improvement that is aligned with the department's strategic plan, mission, vision, and values. The IPQI unit's primary goal is to assure measurable departmental success with quality improvement efforts.

- Assure that data drives the selection of performance work
- Use performance measures to evaluate the effectiveness of the IPQI
- Improve staff capacity to use performance measurement
- Use feedback for improvement planning
- Implement effective performance communications strategies

ACHIEVEMENTS AND CHALLENGES

For quality, the IPQI accomplished **1782** reports which were forwarded to the respective department.

For safety, the IPQI delivered **307** reports which were forwarded to the respective department.

SAFETY & SECURITY

HEALTHCARE SERVICES

INTRODUCTION

The University health services serve to empower the students not only to take control of their health but also to adopt and maintain a healthy lifestyle. PMU health Services strives to lead both the male & female campuses in initiatives that sustain the safety and wellbeing of their populations.

The quality of service does not stop once a student has been seen. During the **2019-2020** academic year, Health Services logged over student contacts. These contacts provided students with a variety of direct medical and patient care.

Health care Services provide numerous workshop activities to more than 1500 students across campus; below are some of the activities held during **2020-2021**



FEMALE PARTICIPANTS IN HEALTHCARE ACTIVITIES

115

Immunization Day

2567

Covid Vaccination
Monitoring doses

45

Room to Room
CPR Demo

MALE PARTICIPANTS IN HEALTHCARE ACTIVITIES

268

Full Vaccination
Campaign

2997

Covid Vaccine
Monitoring

CAMPAIGNS



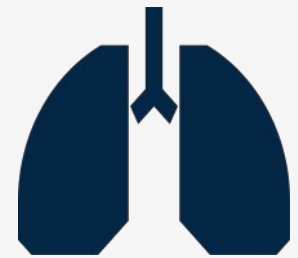
Breast Cancer Awareness



Smoking Awareness



World Health Day



Smoking Awareness Lectures

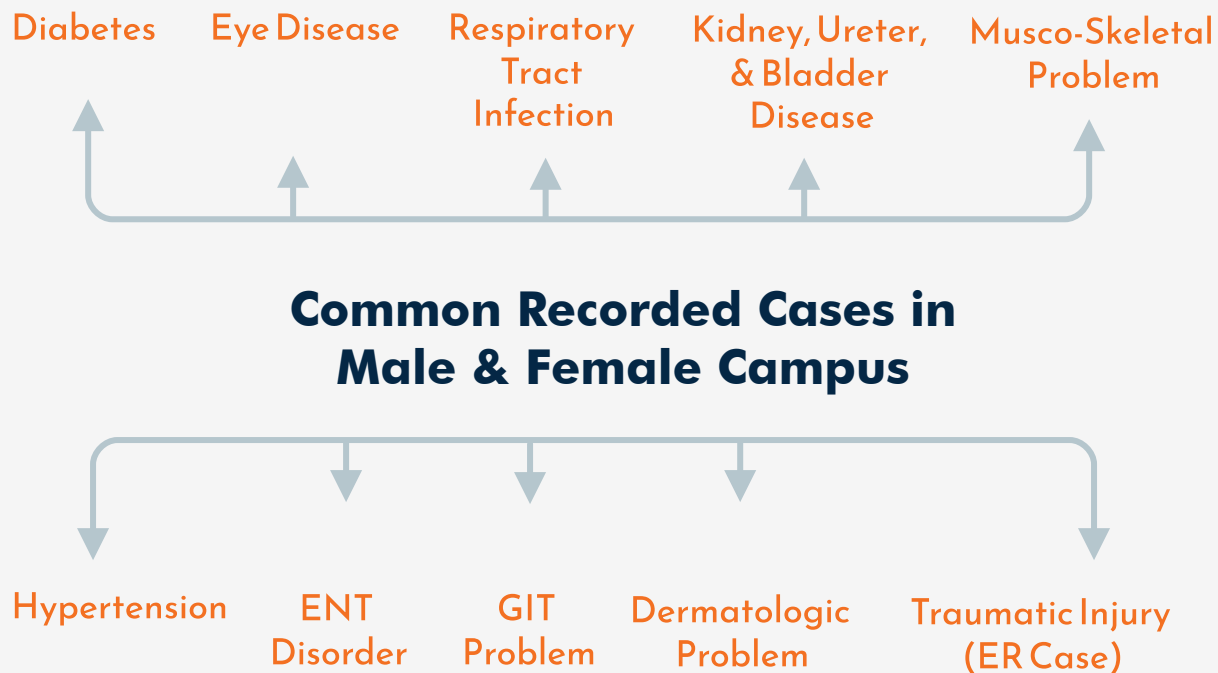
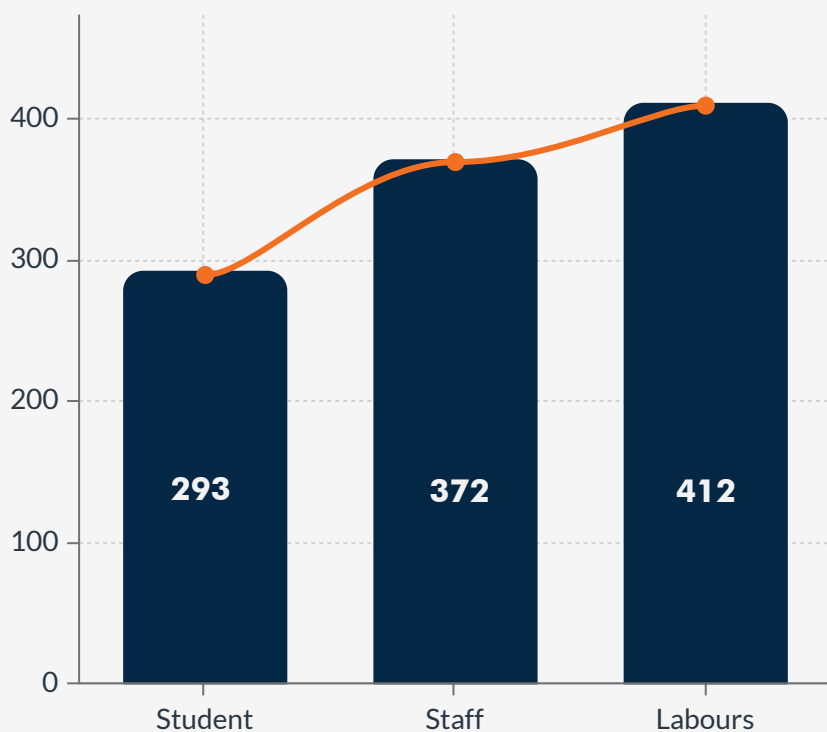
Perhaps the most significant accomplishment achieved by PMU health care services was the PMU Covid Vaccine Monitoring Campaign. The main purposes of the event were:

- To create an immune response and strengthen the immunity to the virus.
- To provide knowledge about the benefits of Covid Vaccines.

SAFETY & SECURITY

PATIENT CARE STATISTICS

Number of Patients



OUR GOALS

- Design programs and workshops according to student needs, to promote health on campus through information dissemination and health seminar events.
- Enhance student health and academic success through increased visibility for healthcare services.
- Enhance Healthcare policies and procedures.
- Improve and implement student E-health files.
- Partner with local health officials to develop an appropriate emergency plan.
- Create a university-wide crisis response team.

FAM

**FACILITIES
MANAGEMENT**



FAM Overview

Introduction

Completed Projects

On-Going Projects

Housing Project

FAM

OVERVIEW

Facilities Management is responsible to create, propose, oversee, and initiating new projects for Prince Mohammad Bin Fahd University on which teams of engineers from PMU are involved to make sure that all new projects will be done with high quality and standards.

COMPLETED PROJECTS

- Robotics lab at PMU campus project
- Remodeling of copy center for male & female building campus project
- Modification of Physics Lab for student's classrooms
- Supply & installation of gym equipment at PMU housing project
- VIP parking-admin building at PMU campus project
- Battery Charger for Car at PMU Parking Areas
- Internal Road Asphalt Project at PMU campus
- Potable Water System Chlorination and Disinfection Test for the system at PMU new housing Project
- Potable Water Tank No.2 & Lift Station No.1 Water Proofing at PMU new Housing
- Supply & Installation of 13 mini split AC units for generator room & transformer room at PMU new housing.
- Waterproofing with an epoxy coating for all fountains at PMU campus project
- Bypass medium voltage for male & female campus project
- Eco Structure project at PMU campus
- Phase 3 for the parking Shed project at the PMU campus

HOUSING PROJECTS

Construction has been completed & faculties are already transferred, Building #1 ground floor is ready to occupied for female students.

ONGOING PROJECTS

- Artificial Intelligence lab at PMU campus project
- Supply & installation of additional furniture set at PMU housing project
- Renovation of tea rooms at PMU campus project
- Fire alarm system at Prince Turkey students Support Center PMU campus project
- Upgradation of Fire Alarm system at PMU Campus project
- Billing system and Fire alarm system at PMU housing project
- Cooling Pad structure of chiller plant at PMU campus project





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