



His Royal Highness
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Chairman of the PMU Board of Trustees



His Royal Highness
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Deputy Chairman of the PMU Board of Trustees

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From the Rector

“The year 2016 is a landmark year in the history of PMU. It marks the completion of the first decade of its journey since it started its operations in September 2006. They were ten years of successful endeavors to create a vibrant learning environment infrastructure and supportive facilities. There was an expansion of academic programs, increase of the number of students and faculty on campus and acquisition of the latest information technology that can support efficient academic programs’ delivery and administrative functions. The accomplishments reflect the goals already stated in the University Implementation Plan. While executing its objectives PMU always ensured that the International Standards were satisfied.

PMU applied for accreditation from the Accreditation Board for Engineering and Technology (ABET) for the B.S in Electrical Engineering and the B.S in Information technology. ABET is a global accreditor of college and university programs in the discipline of applied science, computing, engineering and engineering technology. Through the efforts of PMU’s different departments the two programs were successfully accredited. PMU received the ABET Final Statement for accreditation decision on August 2016. Both the Electrical Engineering and Information Technology programs received the full accreditation from ABET until September 30, 2022 without any weaknesses. PMU is currently applying for the remaining engineering programs, namely Civil Engineering, Computer Engineering, and Mechanical Engineering for 2017-18 Review Cycle.

Also, in 2016 PMU successfully developed its new 5 Years Strategic Plan 2017-2021 building on the PMU strengths and opportunities as revealed by a SWOT analysis involving faculty, students and members from the surrounding community.

PMU is committed to the advancement of human intelligence and promulgation and development of human knowledge and creating solutions for persistent problems Surrounding Communities. Therefore, PMU will continue to support excellence education, research and develop local and international partnerships to create a better life for the coming generations.”

DR. ISSA H. ALANSARI

PMU Rector



Chapter 1

1.1 INTRODUCTION

This Chapter describe the priority areas and strategic objectives of the new 5 Years Strategic Plan 2017 – 2021 in addition to the progress in the areas of new projects, research and community service.

1.2 THE STRATEGIC PLAN 2017 – 2021

INTRODUCTION :

While the duration for the PMU Strategic Plan 2012-2016 was coming to end, PMU Management started the process of developing the New Strategic Plan for the period 2017-2021. A Strengths, Weakness, Opportunities and Threats (SWOT) analysis was conducted to establish a clear view of the current internal and external environments that affect PMU. Different groups from PMU administrators, faculty, staff, students and a selected number of employees and members of the Community participated in the interviews conducted for the SWOT analysis.

Also, observations in the internal systems and procedures / existing documents and other factors served as a basis for identifying the strategic focus areas and goals.

► Priority Areas and Strategic Objectives :

Priority areas and strategic objectives of the Strategic Plan 2017-2021 are as follows:

Priority 1 : Excellence in Education

Objectives:

1. Promote and support teaching excellence in all academic units.
2. Provide enriching learning experience inside and outside the classroom.
3. Develop cultural awareness of students to engage with the global society.
4. Attract excellent body of students and provide supportive and efficient student services.
5. Provide a learning environment that sustains world class academic and supportive activities.

► Priority Area 2 : Excellence in Research and Innovation

Objectives:

1. Increase the number and quality of research production (published in peer reviewed local and international journals, books, monographs, international conference proceedings).
2. Build progressively adequate research environment and infrastructure to allow PMU scholars to be more productive in research.
3. Instill and nurture a strong research culture among non-academic departments to be facilitators and motivators for researchers.
4. Implement progressively the institutional research agenda of PMU and update in every three years in order to help solving the industry and societal eminent and persistent problems of the Kingdom in alignment with the Saudi's Vision 2030.
5. Make PMU an institution of choice by attracting and retaining local and international scholars who are leaders in their respective fields (including postdoctoral fellow, scholars on sabbat-

ical, Fulbright awardees and retired scholars) to help supporting and mentoring junior PMU researchers and initiate big research projects.

6. Recognize and communicate the successes of PMU researchers internally and externally.
7. Identify and encourage progressively external funding and the financial autonomy researchers.
8. Increase the production of intellectual property patents and technology commercialization.
9. Develop two-tier faculty categories to incentivize the research and improve the competitiveness of PMU researchers.

► Priority 3: Outreach and Community Engagement

Objectives:

1. Foster and sustain the engagement of the University with the Community and its participation in identifying, addressing and overcoming problems and challenges.
2. Involve the University's faculty, students and alumni in community engagement.
3. Develop and implement community outreach units and programs that will participate in achieving the goals of the Kingdom 2030 Vision.
4. Develop a Saudi Vision's 2030 implementation taskforce to meet on a regular basis to recommend changes or additions to the programs, curricula, co-curricular, research, training for the community or consulting to align PMU role in implementing Saudi Vision 2030.

► Priority 4: Quality and Performance Improvement

Objectives:

1. Maintain Institutional Accreditation and Compliance with the National Commission for Academic Assessment and Accreditation (NCAAA) by mandating continuous quality improvement.
2. Increase PMU rank to reach the first ten universities in ranking in Saudi Arabia.

► Priority 5: Internationalization

Objectives:

1. Enhance the profile of Prince Mohammad Bin Fahd University and introduce it to the international community.
2. Enhance the international network and active participation of PMU in the internal areas in a sustainable way.
3. Engage in dialogue series and roundtable series to discuss and contribute in finding solutions for problems of international concern and play the role of "influencing the influencers" by involving the international organizations in the proposed solutions.
4. PMU is to become a global gateway connecting the academic communities in the Arab Gulf Countries with its counterparts in other countries around the world about issues of global concern.
5. Involve students in the student dialogue and student training clubs about international grand challenges the world is facing.

► Priority 6: Graduate Studies

Objectives:

1. Develop new graduate programs that are relevant to the KSA workplace needs. The programs have to be designed in full alignment with the Saudi Vision 2030.
2. Increase the number and quality of postgraduate students.
3. Improve the quality of service to the post graduate students.

► Priority 7: Governance

Objectives:

1. Clearly define and align roles and responsibilities for effective and efficient operations.
2. Sustain a University-wide collaborative effort providing a forum for discussion of all issues.
3. Clearly established policies and regulations that provide a framework for management, decision making, and accountability at all levels in the University.
4. Ensure that established statements of responsibilities and guidelines are widely known and understood by faculty, staff and students.
5. Establish a Strategic Plan Governance Committee to follow up and monitor the implementation of all strategic initiatives for the accomplishment of the goals of these strategies which will work under a strict process for implementation and monitoring the implementation of the Strategic Plan over the years.
6. Establish a “Document Control Unit” to avoid any breakdown in the workflows, monitor more efficiently the decisions taken by the top management and hold each stakeholder accountable for his due activities.

► Priority 8: University Infrastructure

Objectives:

1. Ensure quality and advocacy in the physical infrastructure.
2. Enhance the IT infrastructure to adopt best practices in interaction and communicating with its students and faculty throughout the entire academic life cycle.
3. Build necessary space for business incubators and research centers/endowed chairs/research groups.

► Priority 9: Revenue Diversification and Business Development

Objectives:

1. Diversify the revenue sources of the University
2. Expand the University business.

► Priority 10: Endowments

Objectives:

1. Increase and diversify the revenue sources and commercial assets of PMU to ensure sustainable income for the operation of the University.
2. Create a portfolio of business investments that sustain income generation for the operation of PMU.
3. Develop and implement fund raising activities.

1.3 PRINCE SULTAN BIN ABDULAZIZ COLLEGE FOR THE VISUALLY IMPAIRED (PSCVI)

Prince Mohammad Bin Fahd University has pursued its efforts from previous years to bring Prince Sultan College for the Visually Impaired (PSCVI) to reality.

In 2016, PMU continued its efforts with the two consultants for the project: the RNCB in Hereford, UK as the academic consultant and ZAS in Toronto, Canada and the Architectural Design Office.

PMU and RNCB advanced on the main tasks. The tasks include the provision of VI Building Accessibility Standards and space requirements, as well as design review. The tasks agreed with the RNCB also include technical and infrastructure specifications for the PSCVI Content Conversion Center.

The RNCB submitted reports and information regarding VI Building Accessibility Standards and space requirements. This information received by PMU and ZAS constituted the corner stone to understand the VI environment. A site visit conducted by technical teams from PMU and ZAS took place in 2016 at the RNCB campus in Hereford, where hands on information was shared and discussed on site.

The RNCB also submitted reports describing and recommending VI technologies for the academic programs conversion. The content conversion is expected to start in 2017 with a training program conducted by the RNCB as a pilot project that will allow PSCVI staff to carry on converting academic programs and other college content to visually impaired formats.

Close coordination still includes visits and fortnightly meetings between PMU, RNCB and ZAS to ensure the agreed plans are constantly reviewed and promptly executed.

1.4 COLLEGE OF MEDICINE PROJECTS:

PMU pursued offers for consultancy and collaboration from a number of institutions internationally. The Founding Committee shortlisted most suitable collaboration offers.

For the Academic aspect, Huron Consultancy, Chicago- USA has been identified as the most feasible partner. The long experience and top tier profile of academic partners in the US from highly ranked institutions made of Huron a top choice for academic consultancy.

The contract has been drafted and a final version is under discussion ensuring the contract has a holistic approach to the entirety of the project.

The teaching hospital fold of the project presents a challenge for being a healthcare facility but primarily an academic environment as well. Therefore, selecting the most experienced partners is very critical for the future success.

Current offers for partnerships include internationally renowned healthcare companies from Europe, including Gruppo Villa Maria in Italy. The Group leaders visited PMU in 2016 and received a tour in healthcare facilities in the Eastern Province to understand the local needs and current status and challenges. The delegation visited the site of the project and offered a collaboration proposal for establishing and operating the teaching hospital.

PMU has been invited to visit the GVM facilities in Europe while further offers are expected from the US that will allow PMU to make the most strategic choice of partners.

1.5 RESEARCH DEVELOPMENT

1.5.1 INTRODUCTION

Since inception, PMU has had a strong focus and effectiveness on teaching. Starting in 2015, PMU intends to build on its potential, entrepreneurial spirit to raise its research productivity in selected strategic fields of research pertaining to the trends of the KSA society and economy aiming to lead the University with a clear vision to be among the top comprehensive universities in the Kingdom of Saudi Arabia (KSA).

In this regard, in late 2014, PMU created the Deanship of Research Development with a specific mandate to achieve the goals and priorities of PMU's mission in the area of research in order to realize the goal # 6 of the PMU's Strategic Plan 2012-2016 which relates to research. In 2015, the new Deanship of Research and Development has taken concrete actions to move the research output at PMU building on the entrepreneurial spirit and capacities of research in the University. The Deanship of Research Development has developed the following actions:

1. Develop a vision for research at PMU:
 - a. To make PMU a research-oriented comprehensive university recognized nationally and regionally as a leader in solving emerging and eminent problems faced by the surrounding community and assisting in shaping the economic, social, and cultural future of the KSA and the region.
2. Develop a mission statement at PMU:
 - a. The focal point of the mission of the Deanship of Research Development is the commitment to excel in selected strategic areas of applied research and innovative scholarly pursuits compatible with the industry and socio-economic needs of the KSA. In pursuit of this commitment and to address current and future pivotal issues for the KSA, the DRD will expand pathways for further knowledge creation, knowledge transfer, and knowledge sharing. The DRD is also committed to integrate research with teaching and will play an important role in the progress of undergraduate research. This investment will allow talented undergraduate students to learn about exploration, discovery, creation, innovation, and advancement to continue their post-graduate studies. The mission of DRD is to contribute in cultivating technically skilled, entrepreneurial, and lifelong learners who will be leading Citizens proactively committed to improve the Saudi quality of life for a brighter and greater future in the KSA. The multi-disciplinary and theme-based research is another focal point of the mission.
3. Develop ten goals and thirty six strategic initiatives for the year 2015 and beyond
4. Develop an Institutional Research Agenda composed of six themes based on the needs and trends of the KSA
5. Establishment of an active University Research Council (thirteen meetings) in 2015
6. Develop 19 research policies pertaining to the research activities at PMU
7. Start building the research infrastructure at PMU by the acquisition of the Saudi Digital Library and the most needed software

8. Support financially faculty to present their research findings in local, regional and international conferences
9. Develop twenty two KPIs and metric mechanisms to ensure the monitoring and the enforcement of research productivity (PMU faculty published 84 papers in peer-reviewed international journals in 2015)
10. Develop ways to recognize the successes of the active researchers (two Best Researcher Awards in 2015)
11. Activate the seed fund. The PMU Management has allocated SAR 1,000,000 for research in 2015 and has made the commitment to increase it to SAR 5,000,000 in 2016 with a yearly increase of SAR 1,000,000 for five years. In 2015, PMU Management funded 33 researchers through six research groups and eight individual projects.
12. In 2016, the PMU Management has allocated SAR 5,000,000 for research activities and infrastructure and funded 49 researchers through ten research groups, ten individual projects, four early career projects and one scientific journal.
13. Research involvement by faculty members has increased by an 6% additional from what it was in 2015 and the research papers output which appeared in Scopus database has increased significantly during the year 2016 to 76 papers.
14. A Patent Center was established under the Deanship of Research in support of protection of creative scholarly activities, innovation and discoveries of faculty, staff, and students with the following mission and vision statements:

Mission: To facilitate, promote and collaborate with faculty, staff and students in support of an environment for innovation and invention at Prince Mohammad Bin Fahd University through protection, registration and efficient transfer of university discoveries and intellectual assets into benefits for the society.

Vision: The Patent Center strives to make PMU a leading innovation university in discoveries, mentoring and training, and in the translation of research into economic benefits.
15. PMU management has approved the establishment of a Computational Simulation Center in support of research activities for faculty and students.
16. PMU co-organized the 1st International Conference on Advanced Research with the Asia Pacific Institute of Advanced Research (APIAR).

1.6 COMMUNITY SERVICES

- ▶ Diploma Programs First Graduation Ceremony
 - » The Deanship held its first Diploma Programs graduation ceremony on May 03 & 04, 2017. Total of 420 graduates in both campuses including hearing impaired students.
- ▶ Graduated third intake of Diploma Programs
 - » The Deanship graduated 74 diploma students (22 male & 52 female), majoring in Human Resource Management and Web Development.

- ▶ SABIC Pre-Foundation Program 2017
 - » In Fall 2017/2018, the seventh cohort of SABIC scholarship students successfully completed the Pre-Foundation Year program. The diligent effort of both PMU and SABIC program participants played a vital role in empowering SABIC students with the communication and academic skills necessary to meet the demands of college curricula in the USA.
 - » Program objective was to provide SABIC students with preliminary skills in SAT and TOEFL preparation in addition to English, Cross-Cultural and Math skills to empower them with scientific cognitive strategies that they will need at college level. Another important aspect was imbibing the co-curricular activities along with the academic curriculum, which helped the students to actively involved in community related activities, effectively participate in community sport activities, provide leadership in a volunteer program and develop safety awareness in various aspects of life.
 - » A total of 37 students graduated in Fall 2017/2018.
 - » Overall 387 students have graduated so far since the inception of the program in 2011 and these students are currently enrolled in reputable universities in the USA.
- ▶ HADEED ESL Project
 - » The Deanship has trained 480 out of 600 trainees in different levels (Pre-Beginner, Beginner, Intermediate and Advanced)
- ▶ Updates on CSBD website
 - » Adding new category of continuing education courses
 - Professional Development
 - Executive Education
- ▶ New Continuing Education courses
 - » Spanish Language
 - » Applications of Total Quality in the Workplace
 - » Green Belt Six Sigma
 - » ISO 9001-2008 and ISO 17025 Internal Auditors 9001:2008
 - » Leadership Skills and Management
 - » Motivation Skills
 - » Presentation Skills
 - » Quality Control
 - » Seven Habits of Highly Effective People
 - » Soft Skills
 - » Strategic Planning
 - » Time Management

Chapter 2

PMU ACHIEVEMENTS – FACTS AND FIGURES

2.1 THE PHYSICAL PLANT

A number of tasks have been accomplished during 2015.

Some of these tasks were to serve the PMU Colleges and facilities and others were to enhance the University Physical environment.

Their accomplishments were as follows:

2.1.1 TASKS TO SERVE COLLEGES AND FACILITIES:

In order to support the infrastructure in the university several projects has been conducted to serve the colleges and facilities. The following are the projects accomplished in this regard:

Completed and Carried over Projects from August 2015 to August 2016.

- Commissioning and Testing for the Main Auditorium building for the installation of lighting fixtures and support dish as well as its full function Completed.
- Installation of 104 units of Air curtains for Main doors and exit doors for male and female campus as well as LRC and Cafeteria Completed.
- Installation of 146.5 KW water heaters for the swimming pool at the sport center Completed.
- Replacement and re-installation of insulation for the main chilled water pipes Completed.
- Construction of flood control drainages from the back of warehouse center Completed.
- Renovation and re-modeling of LRC foot bridge installation of granite and ACP cladding Completed.
- Installation of water proofing for the main auditorium front and left side Completed.
- Installation of water proofing and replacement of pebbles for the sunken area Completed.
- Painting works for the concrete design on the sunken area Completed.
- Renovation of all fountains for male and female area Completed.
- Maintenance and repair and replacement of railing and motors for male and female main gates Completed.
- ACP cladding works for the main Auditorium had been completed.
- Supply and installation of ACP cladding works for the male and female area is completed.
- Installation of Lift O Matt garbage chute at the male cafeteria is completed.

- Installation of Air Lock doors with revolving doors in the male cafeteria is completed.
- Installation of Air Lock doors with revolving doors in the female cafeteria is completed.
- Rectification of Gas Line for the male and female kitchen in cafeteria is completed.
- Installation of Stainless steel railing with turnstiles in the female parking area is completed.
- Replacement of broken glasses from female campus is completed.
- Utilization of the potable offices at the main warehouse for maintenance, auxiliary, transportation, landscaping and purchasing department offices is completed.
- Interior remodeling of Business Center including installation of furniture and pigeon box is completed.
- Installation of offices such as ARAMEX and CLASSIC Travel in the Business Center area is completed.
- Sport Center replacement of lights and football field spot lights is completed.
- Male Lift station has been completed.
- Female Lift station has been completed.
- Installation of additional pumps for flood control in lagoon female side is completed.
- Structural for the R.O in the campus including erecting of precast and hollow core slab had been completed.
- Renovation of Guard House and installation of bullet proof glass in Oryx Compound completed.
- Renovation of Guard House and installation of bullet proof glass in Al Bilad Compound completed.
- Rectification of R.O plant for Al Bilad completed.
- Rectification of R.O plant in Oryx Compound completed.
- Rectification of main lift station in Al Bilad completed.
- Rectification of Generators completed.
- Rectification of BMS system completed.
- Modification of elevators to safe factor mode through installing back up batteries completed.
- Conducted full maintenance for all defective stand-by generators completed.
- General cleaning and removal of corrosions for all chilled water pipes.
- All lightings in sport center stadium had been completed.
- Main Lift station 80% done and work is ongoing.
- R.O. building Mobilization is at 90% done.

On-Going Projects from August 2017 to August 2018.

- Construction of new Registration and accounts offices in the VIP parking area at finishing stage.
- Construction of Male and Female creative lab on going.
- Enhancement of the chiller area on installing 2 new chillers to support the bypass project at finish-

ing stage.

- Installation of new alternative bypass piping project as support in case of shutdown at finishing stage.
- Enhancement and renovation of Cooling Pad system for the old chillers on going.
- Installation of piping layout for Reject Water line.
- Installation of Tank for R.O plant inclined with the requirements on the finalization and commissioning of R.O plant.
- Replacement and re-installation of insulation for the main chilled water pipes.
- Male and Female firefighting system reconditioning and repair.
- Well excavation and construction of drain well.
- Well excavation and construction of raw water well.
- Construction of Generator tank with pump.
- Water Proofing for the switchgear area.
- Water Proofing for the pump room area.
- Water Proofing in front of administration building.
- Road widening and relocation/adjustment of gate at female area entrance gate.

On-Going works and proposed designs in the housing project.

- PMU Housing project Residential Complex Phase 1.
- Supply and installation of kitchen for PMU housing project.
- Supply and installation of cabinets and curtains in PMU Housing Project.
- Well excavation for drain well.
- Well excavation for raw water well.
- Garbage chute for PMU Housing project.
- Supply and installation of H250 compactor.
- LED for outdoor lighting project.
- Construction of roadway access.
- Construction of additional walkway.
- STC project.
- SCECO fees.
- Design for Rectors villa in housing project.
- Design for Directors villa.
- Residential building's for housing project dormitory designs.

2.1.2. HOUSING PROJECT

Construction of PMU Housing Project (Phase 1) is ongoing. The (Phase 1) is expected to be completed by the end of March 2016, and it will include all the infrastructure of the project along with Faculty, and Staff housing.



2.1.3 SAFETY AND FIRE DEPARTMENT

PMU completed the forming of a qualified firefighting team (currently 4 Staff) in order to insure the safe academic environment and activities. We conducted frequent fire extinguisher training for PMU staff and volunteers from students in order to keep them ready for any emergency case or incident.

2.1.4 BUILDING MANAGEMENT SYSTEM (BMS)

PMU BMS System is on the process of enhancement to maximize all functions that we could achieve using this system.

In coordination with HONEYWELL operation systems such as HVAC, paging, fire alarms, lightings, and mechanical pumps is being synchronized through the BMS Control to be automatically operated and monitored through a unique BMS system all needed and defective parts had been requested and to be installed to ensure the optimum success of the systems to support the academic satisfaction for the end users.

Scheduling and programming the system is done through a qualified team from PMU staff and monitored all the time. If any malfunctioning or trouble occurred during the operation, the corrective actions can be done in proper timing and as per the activities requirements.

2.1.5 OPERATION AND MAINTENANCE

PMU established forming a qualified maintenance staff in deferent disciplines equipped with the required tools and machines in order to perform the regular and preventive maintenance required for PMU Campus. Also, continuous training and improving for the team is in progress in order to keep the readiness as per requirement and standard.



2.2 ACADEMIC ACHIEVEMENTS

2.2.1 COLLEGE OF ENGINEERING

COLLEGE OVERVIEW

The PMU College of Engineering (COE) is dedicated to recruiting the highest calibre students, retaining them through guidance and direction, and graduating engineers and interior designers who will compete and be recognized both locally and in a global society. To further fulfil this mission, an on-going 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 most needed skills to function in a competitive work environment.

The PMU COE is comprised of the following academic units:

- Department of Civil Engineering – Male Students. Female students to start AY 2018/2019 (post ABET accreditation)
- Department of Electrical Engineering – Male Students. Female Students started in AY 2016/2017
- Department of Mechanical Engineering – Male Students. Female students to start AY 2018/2019 (post ABET accreditation)
- Department of Interior Design – Female Students

These basic level engineering and interior design programs are designed to give the student an understanding of the fundamental principles underlying engineering and engineering practice. Each engineering curriculum contains core curriculum courses designed to develop a solid foundation in mathematics, chemistry, and physics, with a general background in social and behavioural 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 students with methods and techniques for the solution of technological problems in society.

Laboratory facilities in the COE are equipped to facilitate learning. In these labs, students become familiar with creative and innovative solutions to design problems, instruments, procedures, and processes employed by industry. Computer laboratories are also available for students' use throughout their course of study.

The COE Strategic Plan has been completed and presented as part of accreditation documentation.

Another achievement made by the COE is the advisory committees for the College and Departments. Constitution and bylaws of College and Departments Advisory Board are developed.

VISION AND MISSION

Vision

The College of Engineering at the PMU will offer a unique and distinguished education that prepares future leaders and innovative designers in the engineering disciplines of civil, electrical, mechanical engineering and Interior Design. The education process will explore innovative methodologies and technologies to achieve its objectives.

Mission

The PMU College of Engineering will educate tomorrow's engineering leaders and innovate designers, will create new knowledge, will provide a nurturing environment for teamwork and lifelong learning, will positively impact the economic prosperity of the Kingdom of Saudi Arabia and will support respect for Islamic traditions and advancement of Saudi cultural and social values.

College Objectives

The PMU College of Engineering has the following objectives:

- To provide students in the university's service region a high quality engineering education, leading to professional employment in the local, national, and international job market.
- To prepare students for working in a technological society.
- To increase the pool of qualified designers, and engineers in Saudi Arabia through aggressive student recruitment and retention programs.

OBJECTIVES OF PROGRAM MAJORS

Civil Engineering Educational Objectives

- To instil in its students a sense of the scholarship and leadership of the civil engineering profession.
- To educate and prepare students for a lifelong career as practicing professional civil engineers who are ethical and socially responsible.
- To produce graduates with a strong academic base for advanced studies.

Electrical Engineering Educational Objectives

- To prepare its graduates for careers as engineering professionals and/or for graduate studies.
- To enable its graduates to pursue state-of-the-art solutions to engineering problems and to evaluate and embrace new technologies.
- To enable its graduates to develop professional and ethical responsibilities in their careers and to engage in self-learning activities.
- To prepare its graduates to undertake leadership roles in industry and to actively participate in community service.

Mechanical engineering Educational Objectives

- To prepare students for a lifetime career as practicing professional mechanical engineers.
- To prepare its students to advance their studies and to engage in lifelong learning.
- To give its students understanding of professional responsibilities with respect to the economic, societal, and ethical impacts of their actions.

Interior Design Learning Objectives

The Interior Design program is structured to aid students in developing specific, design-related outcomes that foster the following:

- An appreciation for indigenous design characteristics as ways of adapting design to contemporary society and the unique Saudi Arabian environment
- Development of skills in multi-dimensional problem solving that enable the individual to perceive, analyze, and interpret creatively the needs of society as a practicing professional interior designer.
- Assuming a responsibility for preserving and conserving the world's natural resources through appropriate selection of materials for interior components
- Development of skills for self-instruction and professional self-development and a commitment to high ethical standards.

ENROLLMENT GROWTH OF ENGINEERING STUDENTS

The number of male students at the Civil, Electrical, and Mechanical engineering together with the female students at the Interior Design department is shown in Figure 4.1 and listed in details in **Table 4.1**.

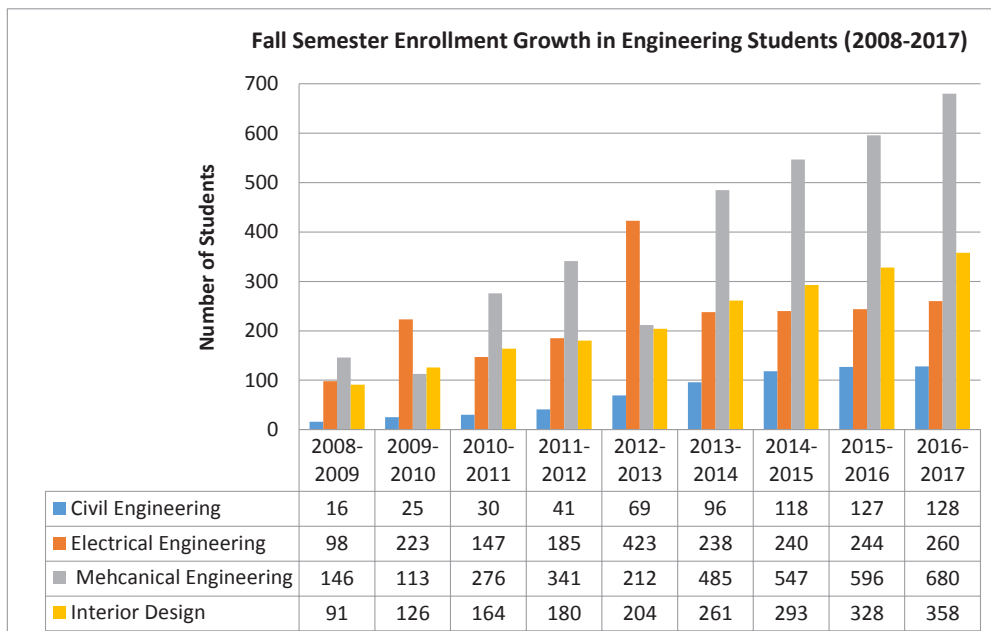


Figure 4.1 – Actual Fall Semester Enrolment Growth of Engineering Students.

During the year 2014/2015, the trend of growth continued at the Civil, Electrical, and Mechanical departments as well as in Interior Design department. The growth has remained sustainable compared to its previous year. . The total number of female students was 403 whereas the number of male students was 1153. This reflects, the growth of the college is more than 300% compared to the initial size of the college in 2008. This makes the COE one of the largest colleges at PMU in terms of generating sustainable revenue through student recruitment.

Table 4.1 – Actual Fall Semester Enrollment Growth of Engineering Students

Civil Engineering			
Year	Academic Plan	Fall Enrollment	Degrees Awarded Annual Totals
2016-2017	Civil Engineering BSCE	128	0
2015-2016	Civil Engineering BSCE	127	16
2014-2015	Civil Engineering BSCE	118	11
2013-2014	Civil Engineering BSCE	96	6
2012-2013	Civil Engineering BSCE	69	6
2011-2012	Civil Engineering BSCE	41	5
2010-2011	Civil Engineering BSCE	30	4
2009-2010	Civil Engineering BSCE	25	0
2008-2009	Civil Engineering BSCE	16	0
Electrical Engineering			
Year	Academic Plan	Fall Enrollment	Degrees Awarded Annual Totals
2016-2017	Electrical Engineering BSEE	260	0
2015-2016	Electrical Engineering BSEE	244	41
2014-2015	Electrical Engineering BSEE	240	35
2013-2014	Electrical Engineering BSEE	238	28
2012-2013	Electrical Engineering BSEE	423	23
2011-2012	Electrical Engineering BSEE	185	15
2010-2011	Electrical Engineering BSEE	147	26
2009-2010	Electrical Engineering BSEE	223	3
2008-2009	Electrical Engineering BSEE	98	0

Mechanical Engineering			
Year	Academic Plan	Fall Enrollment	Degrees Awarded Annual Totals
2016-2017	Mechanical Engineering BSME	680	0
2015-2016	Mechanical Engineering BSME	596	84
2014-2015	Mechanical Engineering BSME	547	59
2013-2014	Mechanical Engineering BSME	485	55
2012-2013	Mechanical Engineering BSME	212	53
2011-2012	Mechanical Engineering BSME	341	30
2010-2011	Mechanical Engineering BSME	276	28
2009-2010	Mechanical Engineering BSME	113	6
2008-2009	Mechanical Engineering BSME	146	0
Interior Design			
Year	Academic Plan	Fall Enrollment	Degrees Awarded Annual Totals
2016-2017	Interior Design BSID	358	0
2015-2016	Interior Design BSID	328	23
2014-2015	Interior Design BSID	293	31
2013-2014	Interior Design BSID	261	25
2012-2013	Interior Design BSID	204	36
2011-2012	Interior Design BSID	180	47
2010-2011	Interior Design BSID	164	46
2009-2010	Interior Design BSID	126	0
2008-2009	Interior Design BSID	91	0

FACULTY GROWTH IN COLLEGE OF ENGINEERING

The Faculty growth at the COE has followed the healthy growth of the number of students. Detailed numbers and specifications regarding Faculty numbers is listed in Table 4.2 and Table 4.3.

Faculty Growth by Department (Planned)

To meet the fast student enrolment growth and to bring the college into accreditation-compliant level, the planned number of faculty member at the COE is listed in Table 4.2. These critical requirements expected to be crucial for the targeted accreditation ABET and CIDA. A quick look at Table 4.3 reveals that these numbers have not been met yet. It can be seen that a total of 31 Faculty members are operating at the COE currently. This was 40% lower from the proposed number of 52 Faculty members. However, all of the administrative positions at the COE have been filled and currently functioning.

The COE continues to identify faculty (and staff) requirements for this academic year and the next academic years. The following are summary of key points

- Recruit more faculty members for each department
- Recruit lecturers/Engineers (TA's) for each department
- Recruit lab instructors for each department
- Recruit administrative assistants for each department
- Recruit technicians for each department
- Teaching load per faculty member will be in compliance with national and international accreditation standards (9 contact hours for ABET)
- No faculty overload and minimum need for adjunct faculty hires
- Plan to offer MS degrees in ME and EE
- Delivering evening programs strain resources

Table 4.2 – Faculty Growth by Department (Planned) Academic Senior Administrators

			Academic Senior Administrators				
Academic Year	Major	No. of Faculty Needed	Dean	Chair Electrical	Chair Mechanical	Chair Civil	Chair Interior Design
2006 / 2007	I.D	0	Yes	No	No	No	No
	Electrical	0					
	Mechanical	0					
	Civil	0					
2007 / 2008	I.D	2	Yes	Yes	Yes	No	Yes
	Electrical	1					
	Mechanical	1					
	Civil	0					
2008 / 2009	I.D	3	Yes	Yes	Yes	No	Yes
	Electrical	3					
	Mechanical	3					
	Civil	0					
2009 / 2010	I.D	7	Yes	Yes	Yes	Yes	Yes
	Electrical	7					
	Mechanical	7					
	Civil	1					

2010 / 2011	I.D	11	Yes	Yes	Yes	Yes	Yes
	Electrical	12					
	Mechanical	13					
	Civil	3					
2011 / 2012	I.D	12	Yes	Yes	Yes	Yes	Yes
	Electrical	13					
	Mechanical	14					
	Civil	6					
2012 / 2013	I.D	12	Yes	Yes	Yes	Yes	Yes
	Electrical	15					
	Mechanical	18					
	Civil	7					
2013 / 2014	I.D	12	Yes	Yes	Yes	Yes	Yes
	Electrical	15					
	Mechanical	18					
	Civil	7					
2014 / 2015	I.D	12	Yes	Yes	Yes	Yes	Yes
	Electrical	15					
	Mechanical	18					
	Civil	7					
2015 / 2016	I.D	4	Yes	Yes	Yes	Yes	Yes
	Electrical	3					
	Mechanical	8					
	Civil	3					
2016 / 2017	I.D	1	Yes	Yes	Yes	Yes	Yes
	Electrical	5					
	Mechanical	2					
	Civil	0					

Actual faculty statistics by Department

Table 4.3 - Actual Faculty Growth by Department

			Academic Senior Administrators				
Academic Year	Major	Actual No. of Faculty	Dean	Chair Electrical	Chair Mechanical	Chair Civil	Chair Interior Design
2006 / 2007	I.D	0	Yes	No	No	No	No
	Electrical	0					
	Mechanical	0					
	Civil	0					

2007 / 2008	I.D	2	Yes	No	No	No	No
	Electrical	1					
	Mechanical	1 (part-time)					
	Civil	0					
2008 / 2009	I.D	4	Yes	No	No	No	Yes
	Electrical	1 + 1 expected in the Spring 08/09					
	Mechanical	2 + 2 part timers					
	Civil	0					
2009 / 2010	I.D	4	Yes	No	Yes	Yes	Yes
	Electrical	3 + 2 part timers					
	Mechanical	5 + 3 part timers					
	Civil	1 + 2 part timers					
2010 / 2011	I.D	4	Yes	Yes	Yes	Yes	Yes
	Electrical	5 + 2 part timers					
	Mechanical	7 + 2 part timers					
	Civil	1 + 2 part timers					
2011 / 2012	I.D	4	Yes	Yes	Yes	Yes	Yes
	Electrical	4					
	Mechanical	8					
	Civil	2					
2012 / 2013	I.D	10	Yes	Yes	Yes	Yes	Yes
	Electrical	10					
	Mechanical	8					
	Civil	3					

2013 / 2014	I.D	10	Yes				
	Yes						
	Yes						
	Yes						
	Yes						
	Electrical	10					
	Mechanical	8					
	Civil	3					
2014 / 2015	I.D	17	Yes Including As- sociate Dean	Yes	Yes	Yes	Yes
	Electrical	9					
	Mechanical	11					
	Civil	4					
2015 / 2016	I.D	12	Yes	Yes	Yes	Yes	Yes
	Electrical	10					
	Mechanical	7 + 2 part timers					
	Civil	6					
2016 / 2017	I.D	15					
	Electrical	9					
	Mechanical	9					
	Civil	6					

Identification of Lab requirements, improvement, and operational readiness has been achieved by the COE. The budget estimates for COE labs are preliminary and as place holders only at this time. Further work is needed to bring these estimates to a more firm numbers. COE will work with PMU concerned departments to improve these numbers. The following are the details:

Specialized Engineering Labs – Electrical Engineering

- I. Robotics Lab – SR 1.5M
- II. Electrical Machinery Lab – to be developed SR 3.75M
- III. Computer Lab (Hardware and Software) – SR 400K

Specialized Engineering Labs – Mechanical Engineering

- I. Mechanics Lab – SR 5M
- II. Energy Lab – SR 3M
- III. Vibrations Lab – SR 2M
- IV. Wind Tunnel – SR 5M
- V. CAD/CAM Lab – enhanced
- VI. Rapid Prototyping – SR 3M
- VII. Machine Shop – SR 5M
- VIII. Computer Lab (Hardware and Software) – SR 500K

Specialized Engineering Labs – Civil Engineering

- I. Materials Engineering Lab – SR 1.5M
- II. Engineering Measurements Lab – SR 1.5M
- III. Geotechnical Engineering Lab – SR 1.5M
- IV. Hydraulic Engineering Lab – SR 2.5M
- V. Structures – SR 2M
- VI. Transportation Lab – SR 3M
- VII. Computer Lab (Hardware and Software) – SR 350K

Specialized Labs – Interior Design

- I. Computer lab – SR 400K (completed)

COLLEGE CORE COLLECTION OF LIBRARY BOOKS

The COE participated heavily in securing the 1st part of core collection books for the College of Engineering (approximately 1500 title). The book list was prepared through searching top publishing companies, taking into consideration not only the students but also the faculty and professionals in the field of Electrical, Mechanical, Civil Engineering and I.D.

The preparation for the 2nd part of College of engineering Core Collection is also finished and a list of 2000+ book titles (on average 500 titles / department) has already been compiled and forwarded to the LRC to start the procurement process.

Most textbooks and reference books for courses are available in the bookstore. Continuous effort is utilized to solve issues regarding late arrivals of orders and running out of certain volumes as required textbooks. The new textbook policy of PMU has been followed at the COE to adopt more recent and appropriate textbooks for the related courses at each department.

COLLEGE OF ENGINEERING CURRICULUM REVIEW

The COE has obtained approval of the proposed amendment (by the college) of courses as recommended from TIEC, including course description, learning outcomes, topics to be covered, recommended textbooks and assessment strategy as part of the continuous quality improvement and assessment process mandated by national and international accreditation agencies. Scheduling of COE courses and final exams continues to be one of the main issues at the college. The COE developed five-year course offerings' projections by academic program that follow programs' check sheets to ensure that our students receive proper advisement and develop academic plans for graduation. The COE streamlined course offerings according to available faculty resources. Also, the COE schedule planning has resolved conflicts within each program, across the core college courses and with units outside the college providing service courses to our students.

The COE has introduced and implemented the required and technical elective courses that the curricula in all programs needed as part of the improvement process to meet professional degree requirements. This included introducing mandatory Internship Courses across all programs in the college to enrich the experiential learning of our students and to provide career opportunities to the graduates. Summary of the proposed courses are as follows:

A – Mechanical Engineering department

Mechanical Engineering has been reviewed by TIEC in year 2012 as part of continuous improvement of the degree. This course enabled students to model, design, analyze, simulate, prototype and manufacture real world engineering products and components. TIEC new review is being developed in preparation for the ABET site visit in Fall 2017.

B – Electrical Engineering department

Electrical Engineering degree program has been reviewed by TIEC in year 2012 as part of continuous improvement of the degree offered by PMU. Electrical Engineering department has introduced a much needed course in Measurements and Instrumentations with laboratory experiences. TIEC new review is being developed post EE ABET successful accreditation in August 2016.

C – Interior Design department

The courses that were introduced on Digital Design, Photography, History of Islamic Furniture, and Graduation Project Studio in has enriched our students learning experiences and connected them to the Saudi culture pertaining to Interior Design. To further that commitment, the department has now submitted additional program improvements that are pending approval by the university counsel. These improvements include courses in building codes, BIM, and construction documents and detailing. TIEC new review is being developed in preparation for the ABET site visit in Fall 2017.

On its effort of improving Teaching-Learning process, the COE is continuously participating in undergraduate research and development through senior design projects which will expand the student's academic experience. Research is a process of careful inquiry leading to the discovery of new information. Some of the many benefits of becoming a researcher include:

- **Working** closely with a faculty mentor.
- **Enhancing** understanding and knowledge of academic field.
- **Clarifying** academic, career, and personal interests.
- **Gaining** academic credentials that help expand the student's resume, such as presenting at conferences, publishing, and working with a research team.
- **Learning** skills in communication (written and oral), critical thinking, problem-solving, teamwork, and time management.
- **Exploring** research techniques.
- **Earning** academic credit, scholarships, stipends, and/or awards for having conducted research.

E-Learning Initiatives is an area of interest of the COE in PMU to enhance teaching & learning experience of the students. The Virtual learning environment BLACKBOARD is heavily used for this purpose.

The COE is also working on introducing new programs: Masters in Mechanical Engineering, Civil Engineering, Electrical Engineering and Interior Design. So far:

- Proposals are fully developed including syllabi and NCAAA documentation.
- Survey instruments to stakeholders (potential students and industry) will be administered and added.
- External reviews by consultants are being conducted and feedback will be incorporated.
- Faculty hires to deliver programs will be recruited this academic year.

As part of its curriculum review, the COE has reviewed all academic related policies. A list of the main outcomes of this process is shown below:

- Study, review and provide recommendations on college and university policies, instruction and standards
- Study, review and provide recommendations on degree requirements including prep and core programs, English language requirements or proficiency
- Study, review and provide recommendations on all course additions, revisions, deletions and special topics and independent study requests
- Study, review and provide recommendations on new degree programs, double majors/degrees, minors and certificates

- Study, review and provide recommendations on transfer credits and articulation agreements
- Study, review and provide recommendations on change of major, add/drop, withdrawal, override, and transfer credit policies
- Academic misconduct: the COE is committed to a policy of honesty in academic affairs. Conduct that comprises a breach of this policy may result in academic action and/or disciplinary action. Academic action affects student assignments, examinations or grades. Disciplinary action affects student enrolment status. Academic misconduct includes, but is not limited to: cheating, plagiarism, assisting another in cheating or plagiarism, and commercial use of academic materials. The violations of student academic behaviour standards shall be listed and defined in the PMU Rules of Conduct.

ACADEMIC SUPPORT AND ADVISING FOR STUDENTS

Academic advising is a collaborative educational process whereby students and their advisors are partners in meeting the essential learning outcomes, ensuring student academic success, and outlining the steps for achievement of the students' personal, academic, and career goals. This advisor/student partnership requires participation and involvement of both the advisor and the student as it is built over the student's entire educational experience at the university. Both the student and the advisor have clear predefined responsibilities for ensuring that the advising partnership is successful. The COE faculty members and administrators conduct thorough academic and career advisement sessions with their students. The COE and university guidelines and processes are implemented. Moreover, the COE identified much needed resources to improve retention. Academic support services in the college are expected to improve as we recruit and hire degreed engineers (BS and MS) as TAs, lab technicians, and lecturers. The offerings of MS programs - GTAs, GRAs, and GAs is expected to contribute to the support services by offering a multitude of services such as help and problem solving sessions, peer mentoring and advisement, research experiences, experiential learning opportunities and community outreach activities.

ACCREDITATION

The Electrical Engineering program achieved ABET EAC maximum 6 years forward and 2 years retro-active (total of 8 years 2014 through 2022) accreditation status (NGR – Next General review in 2022). The remaining two programs civil and mechanical engineering, are working to prepare for the fall 2017 ABET EAC site visit.

The College of Engineering is working closely with the Quality center in providing the required documents for accreditation. The work has been achieved so far is:

- ABET: CoE assigned team members working towards the submission of necessary documentation for Accreditation of the Civil and Mechanical Engineering programs. Nine criteria were mapped to identify resource requirement. Faculty hires and laboratory equipment plans were submitted.

- NCAAA: documents from the last cycle are complete. COE documentation as part of University Self Study is being finalized. Site visit is as per determined by NCAAA was expected in spring 2013.
- CIDA: The department of Interior Design has started working on submission of the required documentation for CIDA accreditation.

COLLEGE OF ENGINEERING ENDOWED CHAIR IN ENERGY AND ENVIRONMENTAL STUDIES

The College of Engineering worked intensively with the department of Institutional Relations and prepared a detailed proposal for establishing Endowed Chair in Energy and Environmental Studies. The proposal was presented to HRH Crown Prince Sultan Bin Abdul-Aziz and His Royal Highness has promised ten million Saudi Riyal to PMU in order to support Energy and Environment research in the College of Engineering. This endowment will be given on a yearly basis. As a part of using this support, the College of Engineering will establish an endowed chair for energy and environmental research.

PMU pursued this matter further and signed a Letter of Intent with the University of Groningen, in the Netherlands. The College of Engineering at PMU is working closely now with Groningen university to reach to a final frame-work for the initial phase of the Endowed Chair.

Two memorandum of understanding (MoU)'s have been signed with AREVA and Shell to continue collaborative research work onto energy and environmental studies. CoE was also one of the prime partners in successful organization of an international conference (Steel Conference 2013).

RESEARCH ACTIVITIES AND ACHIEVEMENTS:

For the academic year 2015/2016, the COE has been active on the issue of college affiliation and recognition as well as establishing its national and international competence with state of art research output. A summary of these activities is listed below:

- College is working closely with the international professional associations in enhancing and establishing chapters of Institution of Electrical and Electronics Engineers (IEEE), American Society of Civil Engineers (ASCE), Institute and American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), American Society for Materials (ASM), and International Interior Design Association (IIDA).
- Faculty members are continually disseminating their research output by publishing in international refereed journals as well as national & international conference proceedings. In AY 2015/2016 alone, the faculty members of CoE have published over 88 international refereed journals and more than 20 national & international conference papers. Most the publication sources were ISI indexed.

FACULTY FUNDED RESEARCH PROJECTS:

I. Mechanical Engineering Department

Many faculty members in the Mechanical Engineering Department are engaged in scholarly activities and in some cases in collaboration with other universities in KSA. Below is a list of some current projects:

- Fahad Al Mufadi and Faramarz Djavanroodi, "Erosion Corrosion Properties of Nano-Structure Pure Titanium grade 2 For Use in Medical Applications", King Abdulaziz City for Science and Technology (KACST).
- Saad Benmansour and Esam Jassim, "A Novel Technique to Capture Micro and Nano particles in Natural Gas", King Abdulaziz City for Science and Technology, (KACST).
- Faramarz Djavanroodi and Nader Sawalhi, "Statistical Analysis of The Mechanical Properties and Weight of reinforcing Rebar's Produce in KSA", PMU Internal Grant.
- Nader Sawalhi and Faramarz Djavanroodi, "Vibrational characteristics of a Nano-lubricant Rolling Element Bearing", PMU Internal Grant.
- Ali Chamkha and Esam Jassim, "CFD Modelling of Gas Entrainment in Oil Flow Channels", PMU Internal Grant.
- Ali Chamkha and Nader Nader, "CFD Modeling of Natural Convection in a Porous Wavy Cavity Saturated by a Nanofluid", PMU Internal Grant.
- Ali Chamkha, Hanadi Abdelsalam and Najma Saleem, "CFD Modeling of Natural Convection and Entropy Generation in an Oblique Cavity Filled with Nanofluids and Ferrofluids", PMU Internal Grant.
- Nader Nader and Ali Chamkha, "Net-Zero Energy Building Demonstration Project – Al-Khobar, the KSA", PMU Internal Grant.
- Nader Nader and Ali Chamkha, "Optimization of a Solar Thermal Collector for a Hybrid Air-Conditioning System", PMU Internal Grant.
- Jamal Nayfeh and Faramarz Djavanroodi "Microstructural Investigation of Nano-Structure Copper in Erosion Corrosion Environment for Use in Oil/Petrochemical industry", PMU Internal Grant.
- Jamal Nayfeh F. Djavaeroodi, "Experimental and Numerical Investigation of Wear Property of Nano-Structure Nickel Processed by Multi Axial", PMU Internal Grant.
- Esam Jassim, Tahar Ayadat and Helen Peterson "A Novel Technology to Reduce the Energy Consumption in HVAC Systems Using Indoor Fan Air Distribution (SIFAD) Powered by Renewable Energy", PMU Internal Grant.

II. Civil Engineering Department

Faculty members in civil engineering department have been active conducting research and development in their respected areas. In 2015, 16 journal and conference papers were published and two research grants were secured by civil engineering faculty.

FUNDED RESEARCH PROJECTS

The followings are awarded research grant by civil engineering faculty during 2015:

- Andi Asiz and Danish Ahmed, Project title: Structural Modeling & Analysis of Hybrid Super Tall Buildings Constructed Using Ultra-lightweight Floor Systems, Internal PMU Grant
- Omar Ouda, Abdul Sattar Nizzami, and Mohammad Wawar Ashraf, Project title: Municipal Solid Waste Characterization in Eastern province of Saudi Arabia and its Assessment for Energy and Value Added Products, Internal PMU Grant
- Tahar Ayadat, Omar Ouda, Andi Asiz, Project Title: Zonation Maps for Potentially Collapsible and Liquefiable Soils in the area of Al-Khobar South (KSA), Internal PMU Grant – Phase II (2016), SR85K.
- Alaa Salman, Mohammad Al Najjar, Essam Jassim, Adel Al Shaibani, Othman Alshamrani, (2016-Phase II) Project Title: Infrastructure Report Card Prototype (RCP) and Business Management Plan (BMP) for Al Khobar City, Internal PMU Grant – Phase II (2016), SR84K

III. Electrical Engineering Department

- Dr. Nizar Tayem, Dr. Mohamed Morsy, Dr. Alghazo Jaafar, and Mr. Ahmed Abul Hussain, “Hardware Implementation of Two Dimensional Azimuth and Elevation Angles Using Dual Polarized Antennas”, Granted by PMU Research
- Dr. Nizar Tayem, Dr. Nader Sawalhi, Dr. Jawad Al-Asad, Dr. Jamal Nayfeh, Mohammad Hassan, Mr. Ahmed Abul Hussain, and Kamal Barghout, “Wind Turbine Electricity Power System Analysis for Power Quality and Harmonics Estimation Using Signal Processing Methods”, Granted by PMU Research

FACULTY PUBLICATIONS:

I. Mechanical Engineering Department

Faculty members in the Mechanical Engineering Department have been very active in scientific research and their efforts have yielded 74 international journal / conference publications and 2 books. A selected set of publications is as follows:

- V. Rajesh, A.J. Chamkha, and A.F. Al-Mudhaf, Modeling and Computation of Boundary Layer Free Convective Flows: Laminar Viscous Incompressible Flows with Heat and Mass Transfer. LAP Lambert Academic Publishing, ISBN: 978-3-659-93617-3, pp. 1-66, 2016.
- A. Alsabery, A. J. Chamkha and I. Hashim, “Heatline Visualization of Conjugate Natural Convection in a Square Cavity Filled with Nanofluid with Sinusoidal Temperature Variations on both Horizontal Walls.” International Journal of Heat and Mass Transfer, Volume 100, pp. 835-850, 2016
- A.J. Chamkha, F. Selimefendigil and M. Ismael, “Mixed Convection in a Partially Layered Porous Cavity with Inner Rotating Cylinder.” Numerical Heat Transfer, Part A, Volume 69, pp. 659-675, 2016.
- Sawalhi N, Vibration sideband modulations and harmonics separation of a planetary helicopter

- gearbox with two different configurations, *Advances in Acoustics and Vibrations*. (2016).
- Jassim, E.I. (2016) 'CFD study on particle separation performance by shock inception during natural gas flow in supersonic nozzle', *Progress in Computational Fluid Dynamics*, Vol. 16, No. 5, pp.300–312.
 - F. Djevanroodi, H. Ahmadian, R. Naseri, K. Koohkan, M. Ebrahimi "Experimental investigation of ultrasonic assisted equal channel angular pressing process" *Archives of Civil and Mechanical Engineering* 16 (2016) 249–255.
 - M. Ebrahimi, H. Gholipour, F. Djevanroodi "A study on the capability of equal channel forward extrusion process" *Materials Science & Engineering A* 650 (2016)
 - Nader. A. Nader, Ibrahim M. Alghamdi , Rami S. Alsayed, "Hybrid Air Conditioning, Solar, HVAC, Energy Consumptions", *International Journal of Modern Engineering Research (IJMER)*, Vol. 6, Issue 10, pp. 34-42, October 2016

II. Civil Engineering Department

Followings are samples of journal and conference publications published by civil engineering faculty:

- Nizami A., Rehan M., Ouda O.K.M., Shahzad K., Sadeef Y., Iqbal T., Ismail I.M.I., 2015, An argument for developing waste-to-energy technologies in Saudi Arabia, *Chemical Engineering Transactions*, 45, 337-342, DOI:10.3303/CET1545057.
- AS Nizami, OKM Ouda, M Rehan, AMO El-Maghraby, J Gardy , A Hassanpour , , S Kumar, IMI Ismail (2015), The Potential of Saudi Arabian Natural Zeolites in Waste-to-Energy Technologies, *Energy*.
- Sadeef; SA Batool; MN Chaudary; OKM Ouda; K Habib; ZZ Asam; Abdul-Sattar Nizami (2015), Municipal Solid Waste Characterization in Southern Lahore and its Assessment for Energy and Value-Added Products, *Energy Sources, Part B: Economics, Planning, and Policy*, In Press.
- M. Etezad, A.M. Hanna, T. Ayadat (2015). Bearing Capacity of Group of Stone Columns in Soft Soil. *International Journal of Geomechanics (ASCE)*, Volume 15, Issue 2, April 2015.
- T. Ayadat (2015). Déterioration du Béton de Fondations, *Journées d'Études de Génie Civil, M'Sila (Algérie)*, November, 25-26, 2015.
- Alsari A., Alhalal H., Ayadat, T., Asiz, A., Ouda, O.K.M, (2015), Management of Al-Khaldiyah Road (AlKhubar) in Order to Optimize Safety and Improve Sight View, 17th International Conference on Civil and Construction Engineering, Jeddah, Saudi Arabia, January 26-27, 2015.
- Tawabini B.S., Ouda, O.K.M., Raza, S.A. (2015). Investigating of Waste to Energy Potential as a Renewable Energy Resource in Al-Hasa Region, Saudi Arabia, *Proceedings Sardinia 2015, Fifteenth International Waste Management and Landfill Symposium S. Margherita di Pula, Cagliari, Italy*; 5 – 9 October 2015.
- Ouda O, Ayadat T, Asiz A, Alghazo Y (2016), Utilizing Learning Outcomes Assessment for Civil Engineering Program Evaluation and Improvement: A Case Study, *Journal of Scientific and Engineering Research*, 3(3): 549-561

- T. Ayadat (2017). Case Study: Design of Foundations in Liquefiable Site. International Journal of Engineering Research and Application, Vol. 7, Issue 1 (Part 1).
- Omar K. M. Ouda; Y Khalid; A Ajbar; M Rehan; I Wazeer; nizami Abdul-sattar, (2017). Long-Term Desalinated Water Demand and Investment Requirements: A Case Study of Riyadh. Journal of Water Reuse and Desalination, In Press
- Omar KM Ouda; SA Raza; AS Nizami; M Rehan; R Al-Waked; NE Korres. (2016). Waste to Energy Potential: A Case Study of Saudi Arabia. Renewable and Sustainable Energy Reviews (61) 328–340.

III. Electrical Engineering Department

- **Morsy, M.M.**; Harackiewicz, F., “On optimization of the ground conductor of helical antennas,” Antennas and Propagation Society International Symposium (APSURSI), 2014 IEEE , vol., no., pp.45,46, 6-11 July 2014
- **Morsy, M.M.**; Gorla, H., “Miniaturized wide-band dielectric resonator antenna for ISM applications,” Antennas and Propagation Society International Symposium (APSURSI), 2014 IEEE , vol., no., pp.1984,1985, 6-11 July 2014
- **Mohamed Morsy**, “A Dual Band MIMO ANTENNA FOR UMTS, WLAN-2.4GHz and WiMAX OPERATION”, Journal of Electrical Engineering, Manuscript no. ELEN-D-15-00103.

STUDENT RESEARCH PROJECTS:

Our students also contribute to research at the COE mainly through senior projects. Below are examples of recent students’ project.

MECHANICAL ENGINEERING:

Students in the ME department are required to successfully complete a senior design project in the final year of their undergraduate studies in order to graduate. Senior design projects provide students with an opportunity to put in practice what they have learnt. Students gain significant experience in developing, designing, prototyping, and verifying their design. They also acquire in-depth skills in project management. The major stages of the senior design projects are: identification of requirements, design, implementation, and testing and verification. The evaluation criteria of the projects include but not limited to critical thinking, innovation, creativity, team work, engineering analysis and calculations, prototype construction methods, ethics, presentation skills, and report writing skills.

SENIOR DESIGN PROJECTS:

LEARNING OUTCOME ASSESSMENT III – ASSE 4311 MECHANICAL ENGINEERING DEPARTMENT SENIOR DESIGN PROJECTS SPRING SEMESTER, 2014/2015			
No.	Project Title	Student Team Members	Advisor / Co-Advisor
1	Study on the Impact of Coil Geometry and Orientation on the Performance of Spiral Coiled Embedded in Conducting Volume	Nawaf AlKhalifa Mutz Abu Sabt Mohammed Alanezi Mohammed Al Edrees	Dr. Esam Jassim
2	Utilizing Solar Energy for Operating Indoor Fans and Water Pump of FCU System	Waleed AlBasheer Omar Alghamdi Humood Alfidal	Dr. Esam Jassim Prof. Ali Chamkha
3	Design and Construction of a Convergent-Divergent Nozzle for Capturing Tiny Particles in Natural Gas	Adnan Al-Darorah Hassan A-IHamam Hussain Al-Khatem Mishari A-IShalan	Dr. Esam Jassim Prof. Ali Chamkha
4	Speed Breaker Power Generation	Saleh Al-Harbi Ahsan Arshad Abdullah Al-Zahrani Noorudean Tohmeh	Dr. Nader Sawalhi Dr. Sathyan Krishnan
5	Rolling Element Bearing Vibration Testing Under a Variety of Nano-Lubricant Additives	Abdullah Al-Mutawah Ali Al-Hamadah Ali Al-Darwish	Dr. Nader Sawalhi Prof. Faramarz Djavanroodi
6	Reverse Engineering of Buggy Car Braking System	Mana Al Yami Emad Al Zhrani Nashmi Al Mutairi	Prof. Faramarz Djavanroodi
7	Commissioning of 5kW Vertical Axis Wind Turbine	Hussni H. Osman Mohammad AlFehaid Azzam AlSulaiman Mohammad AlYami	Dr. Sathyan Krishnan Engr. Faizan Ahamad

8	Development of Self Acting Airfoil for Vertical Axis Wind Turbine	Abdulla Alhamraa Anas Sabbagh Mohammad Alolayan Ali khalifa Alsaleh Saad Alfairouz	Dr. Sathyan Krishnan Engr. Faizan Ahamad
9	Development of a Test station for Testing of Airfoil for Vertical Axis Wind Turbine	Mahdi Alqahtani Mohammad Alsarhani Abdurrahman Binhoiml Mohammad Alshahrani	Dr. Sathyan Krishnan Engr. Faizan Ahamad

**LEARNING OUTCOME ASSESSMENT III – ASSE 4311
MECHANICAL ENGINEERING DEPARTMENT
SENIOR DESIGN PROJECTS
SPRING SEMESTER, 2015/2016**

TEAM No.	Topic	Advisor/s	Student Team Members
1	Design of a vacuum tube solar cooker	Dr. Ali Chamkha Dr. Nader Nader	Abdul Alamoudi Feras Alabdulwahed Hassan Alqatari Abdull Alabdulqader
2	Design of an enhanced solar heat exchanger using nanoparticles	Dr. Ali Chamkha Dr. Nader Nader	Mohammed Alanazi Khalid Al-Saad Thamer Al-Otaibi Othman Mohammad
3	Design of aero leaf wind turbine	Dr. Nader Nader Dr. Ali Chamkha	Abdulkar AlShammar AbdulRahman AlKabi Mubark AlHarbi Abdulla AlGhoniman
4	Design of compost Machine	Dr. Nader Nader Dr. Ali Chamkha	Almuhaime Al harith Abdullah Alnaim Hadi Alkatheri Othman Alamoudi

5	Refrigeration system design and performance testing using Nano-fluid as a secondary coolant	Dr. Esam Jassim Dr. Faramarz Djavaanroodi	Mohamd Al Shabebi Khalid Al-Mutairi Turki Al Dossary Abdullah Al-Somali Abdullah Al Zamel
6	Design and construction of a pilot-scale cooling tower	Dr. Esam Jassim	Salem H Al Salem Hussain A Al Mubarak Al Nemer Ali A Ben Obaid
7	Design of an electrical foldable wheel chair	Dr. Muhammad Asad	Ahmed Al-Saleh
		Dr. Nader Sawalhi	Fahad Al-Rabiah Fahad Al-Qahtani Adnan BoKhamseen Mohamd Al-Tawabini
8	Design and construction of an Aluminum can recycling system	Dr. Faramarz Djavaanroodi Dr. Nader Sawalhi	Mohammed Alkhalifa Ali Al Hashel Taher Al Arbash Omar Basleem
9	Design of a solar powered ergonomic beach wheel chair	Dr. Nader Sawalhi Dr. Faramarz Djavaanroodi	Abdulaziz Albasri Abdullah Alqhtani Bejad Alsubei Hatim Alsaahfy
10	Design of a pipe inspecting and cleaning robot	Dr. Nader Sawalhi Dr. Faramarz Djavaanroodi	Abdullah Al Deghreer Mohammed Alyami Naif Al Mahasheer Ahmed Al Shalawi

PROJECT EXAMPLES:

Team 1: Design of a Vacuum Tube Solar Cooker

Abstract: Cooking is the major necessity for people all over the world. It accounts for a major share of energy consumption in developing countries. Therefore, solar cookers are recommended to be used in the domestic sector in these countries. The advantages of the use of solar cookers would result in the reduction of the release of CO₂ in the environment.

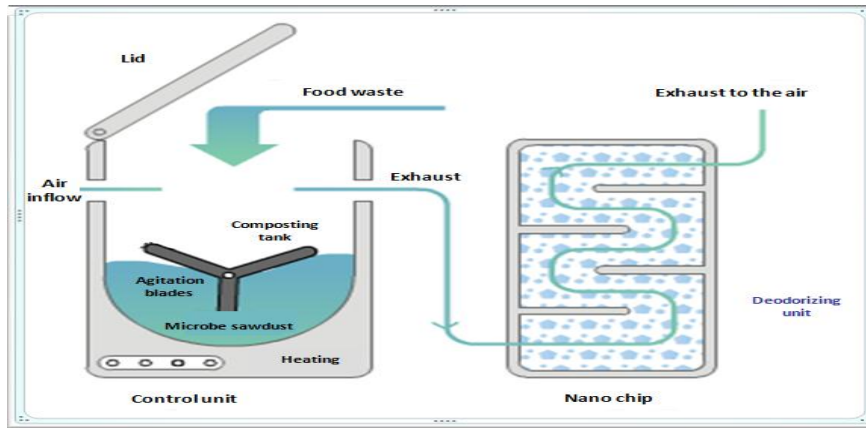
This paper reviews the gradual progress made in our vacuum tube solar cooker. The energy and heat transfer analysis of a vacuum tube solar cooker based prototype has been carried out experimentally. The cooker was tested during several clear days in Khobar city (25°). Detailed temperature distributions and their time dependences were measured. The working temperature obtained was between 93°C to 232°C. Our Vacuum Tube Solar Cooker can achieve a maximum temperature of 288°C in ideal situation and power output of 200 Watts in full sunlight. These results make this compact solar cooker competitive in performance to many other solar cooker types.



Team 4: Design of Compost Machine

Abstract: Sun based water heating frameworks use heat exchangers on exchange sun oriented vitality. Consumed to sun based collectors of the fluid or air used to heat water or a space. Heat exchangers could a chance to be settled on from claiming steel, copper, bronze, stainless steel, aluminum, or cast iron. Most solar heating systems usually use copper. Solar heating systems with air heater collectors

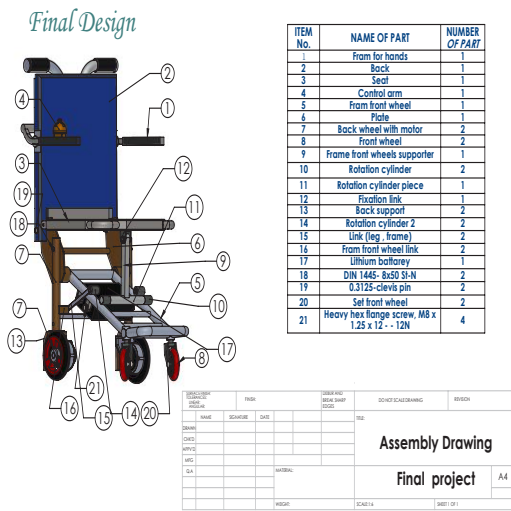
usually do not need a heat exchanger between the solar collector and the air distribution system. Those systems with air heater collectors that heat water use air-to-liquid heat exchangers, which are like liquid-to-air heat exchangers because it is a good thermal conductor and has greater resistance to corrosion. A new area of research has emerged during the last decade or so and is related to the innovative use of metallic or metallic-oxide nanoparticles such as CuO or Al₂O₃ or many others to enhance heat transfer in thermal systems. This will be applied in this senior design project.



Team 7: Design an Electrical Foldable Wheelchair

Abstract: People with disabilities usually face many problems when it comes to everyday life. Especially in the field of transportation, disabled people and their family members often have so many difficulties as they try to adapt with even the simplest of tasks. This is why we decided to focus our efforts in the purpose of designing and manufacturing a wheelchair that will make transportation simpler for people with disabilities as it could be folded into a size that is as small as possible and easily movable using its

wheels. Any kind of disability in humans, specifically mobility, visual, hearing impairment and cognitive disabilities are very depressing for the individual and the people surrounding him. The goal during this senior design project is to put a humble effort to make a change in the life of mobility disabled people. Americans with disabilities Act (ADA) was added to the law on July 26, 1990. According to this legislation no discrimination shall be observed with the disabled person in employment, state and local government, transportation, public services, public accommodation and telecommunications (for hearing impaired). By having this law approved, it's time to move forwards with new clinical and rehabilitation technologies to provide disabled people with a near perfect life.



Team 8: Design & Construction of an Aluminum Can Recycling System Civil Engineering:

Abstract: Recycling plays a very important role to save our natural resources; all we know the natural resources are limited. In recent years, all packaging materials available are made up of recycling materials like paper, Aluminum etc. This project is about designing and fabricating a compact recycling aluminum can system, which produces a cylindrical aluminum cast. Our project involves the process of designing three main parts are the automatic can smasher, induction furnace and mold. Automatic can smasher is a machine designed to reduce large cans material into a smaller volume, or smaller pieces. The Automatic can smasher is the first process and it consists of motor, gearbox, crank, long arm, short arm, smasher, compartment, can holder and two bearings. All these parts designed to crush the cans and reduce its capacity to fit the specification of the induction furnace. The induction furnace is the second part of the project, which is an oven, designed to melt the smashed cans under a certain temperature of 800 C. finally, the third part, which is the mold, will collect the melting aluminum into a cylindrical shaped die. This project required using welding, drilling, calculations and drawing using SolidWork. The main goal for our project mainly about generating a new concept of a compact recycling aluminum can system that would make it portable and easy to use. The result of this project is a successful design,

which is capable of smashing seventeen cans and melting the aluminum in short time of an approximation of 1 hour all these processes led to the product that we aim for and that is 0.27 kg of a cylindrical aluminum cast.

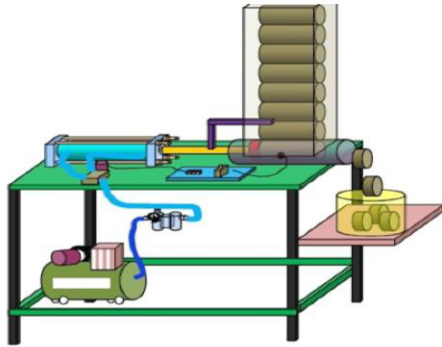


Figure 4 project model



Team 9: Solar Powered Ergonomic Beach Wheel Chair :

Abstract: This project is a modification and phase 2 of an existing previous project (Electric Beach wheelchair) done by PMU students. The objective of this project is to modify the Electric Beach wheelchair to run on solar energy and add a rotational functionality to the seat, to make it more versatile for a handicap rider. At this phase, our main focus has been on the source energy (Solar), for which solar panels were utilized and improved batteries life. Moreover, efficiency will be improved and reserves storage unit might be added as extra precautions. On the journey to mobility and freedom, motorized scooters and wheelchairs are the tools to finish that journey. The addition of some devices enables persons with physical disabilities a comfortable travel beyond their own homes. In the past, many people disliked the idea of a mobility scooter because of low-life of the battery. People started to purchase a mobility scooter in order to lead a more comfortable and independent existence. Considering a primary method to get around, they are perfect for people with limited or no body mobility. Electric powered wheelchair is essentially powered by electric motors located at the rear of the wheelchair.



Civil Engineering:

Completed Projects:

Fall 2013-2014 (completed):

Group	Student	Project Title	Supervisors
I	Hammad Al-Ghonaim	Design of a habitation compound in a problematic soil	Tahar Ayadat & Saad Al-Moajil
	Mohammed Al-Amoudi		
	Andi Asiz		

Spring 2013-2014 (completed):

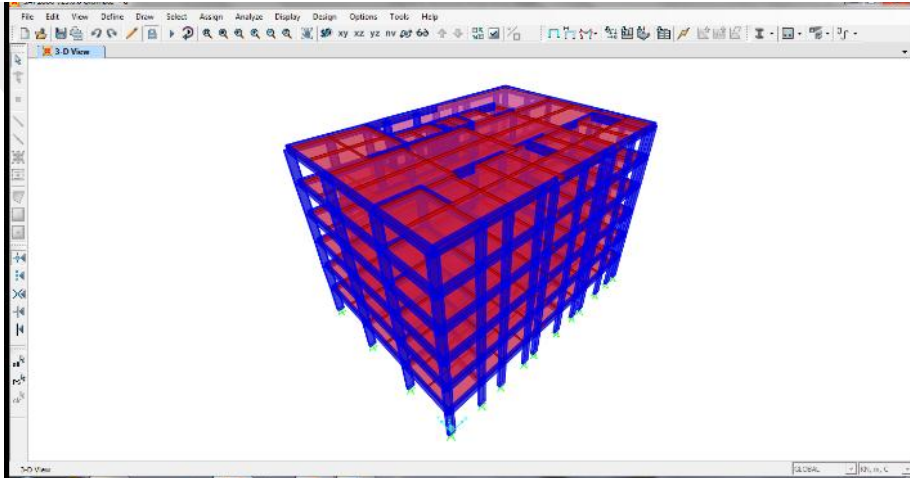
Group	Student	Project Title	Supervisors
I	Amer Al-Sari	Management of Al Khaldiyah Road to optimize safety and improve sight view	Tahar Ayadat
	Hassan Al-Halal		
II	Feras Sabbagh	Structural & geotechnical design of touristic units in front of a beach	Tahar Ayadat & Andi Asiz
	Yasser Al-Qahtani		

Fall 2014-2015 (completed):

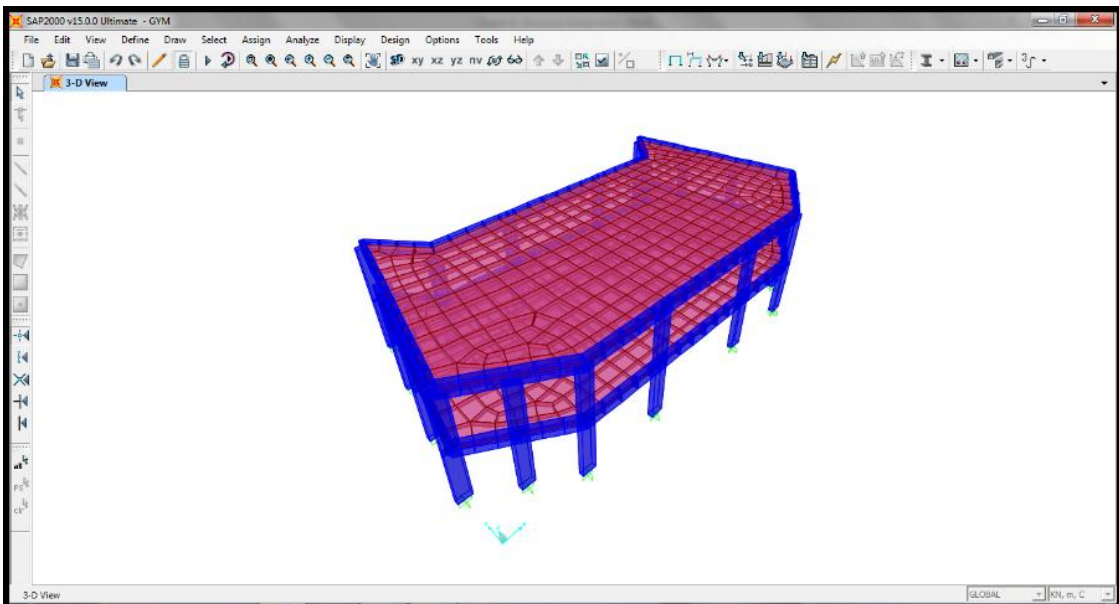
Group	Student	Project Title	Supervisors
I	Aiham Arnous	Structural and geotechnical design of a general hospital and multilevel car parking in the area of half moon bay	Tahar Ayadat & Andi Asiz
	Talal Almutairi		
	Salman Basheer		

PROJECT EXAMPLES:

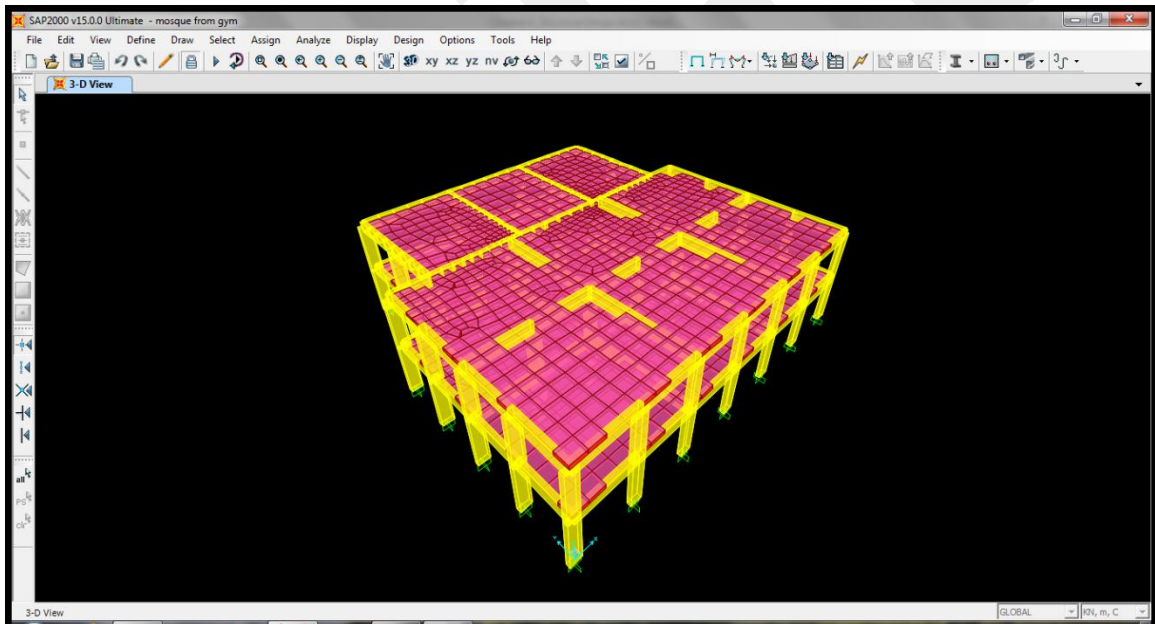
Design of a habitation compound in a problematic soil:



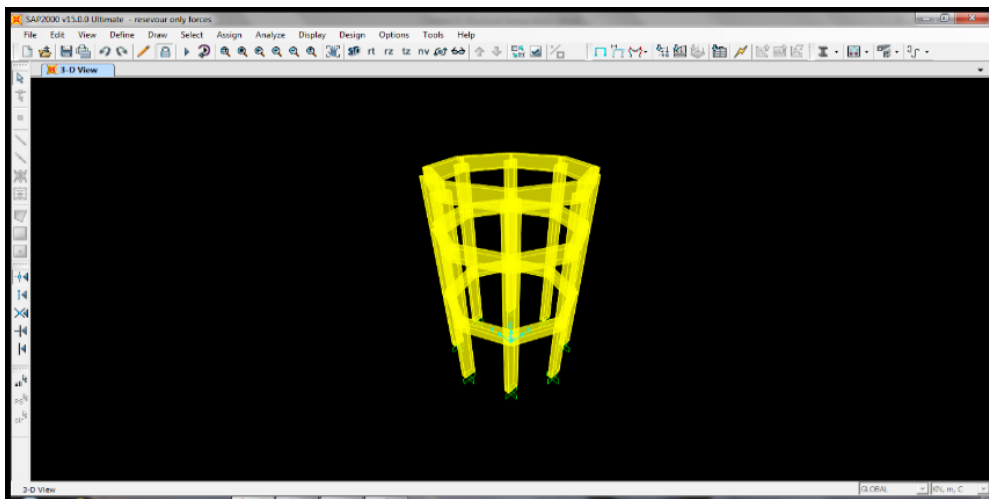
Design of apartment unit (SAP2000)



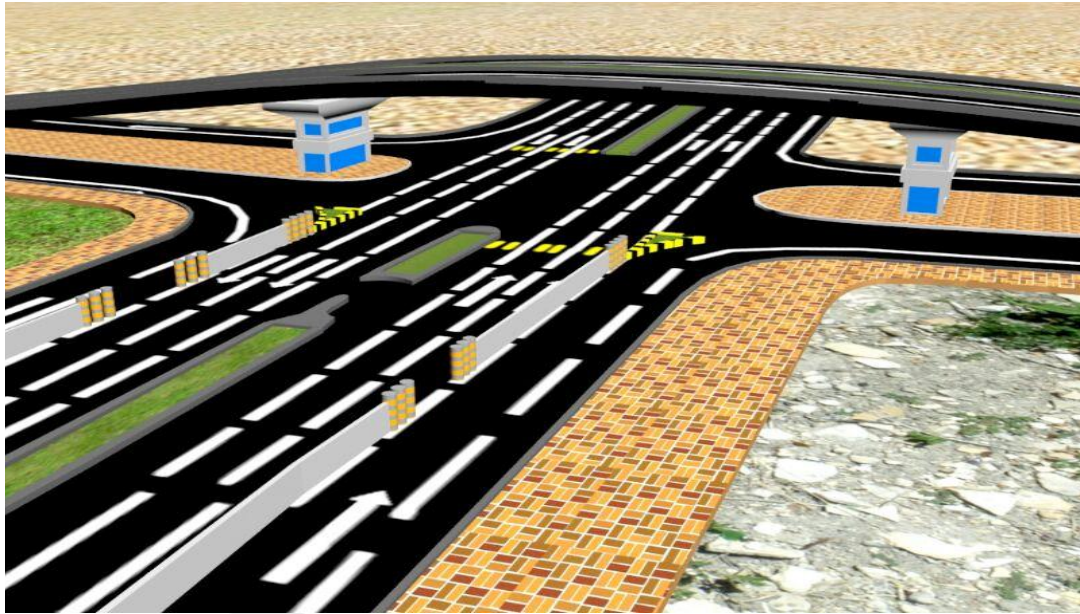
Design of Gym #1 (SAP2000)



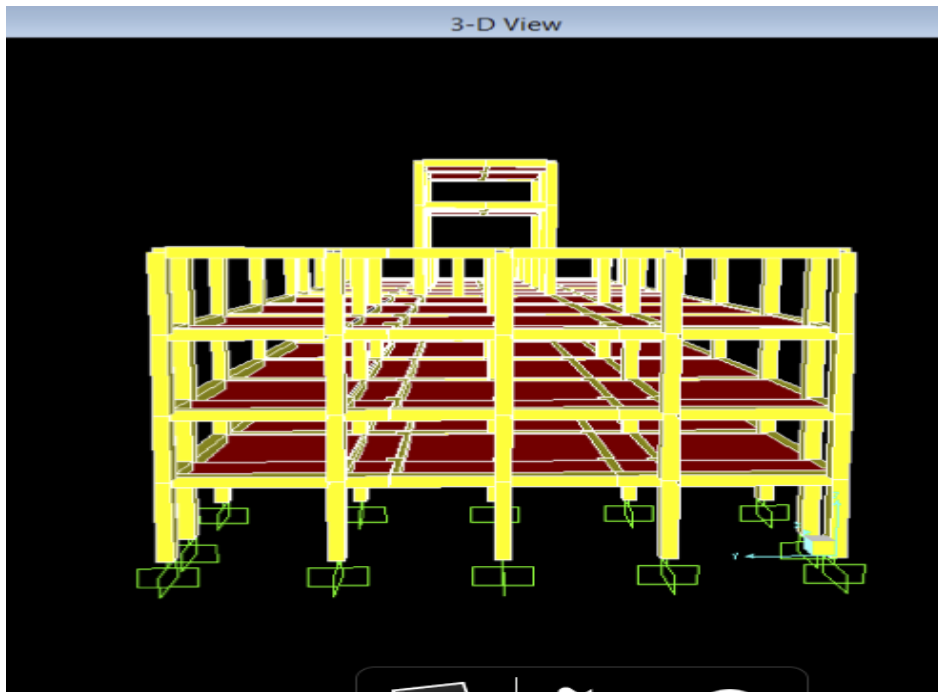
Mosque overview #1 (SAP2000)



Design of the High-rise Reservoir (SAP2000)



Proposed Al Khaldiyyah road lanes and bridge layout near PMU complex in the Half Moon Bay Area (adopted from senior design project by Amir AISari and Hassan Alhallal 'Management of Al Khaldiyyah Road to optimize safety and improve sight view)



Design of apartment unit (SAP2000) senior design project by Feras Sabbagh and Yasser Al-Qahtani (Structural & geotechnical design of touristic units in front of a beach)

Senior Design Projects Department of Civil Engineering Fall Semester 2015/2016				
No	Project Title	Group Members	Advisor	Examining Committee
1	Comparative Design & Analysis of a Mosque Using Steel and Reinforced Concrete Elements (see Figure 1 below for illustration)	Abdullah Al-Nami Hussain Al-Abuo Mohammad Al-Abuo Mufarreh Alshammary	Danish Ahmed Dr. Andi Asiz	Dr. Omar Ouda Dr. Alaa Salman Dr. Abbas Alomari
2	Statistical Analysis of the Mechanical Properties and Weight of Reinforcing Steel Re-bars (see Figure 3 below for illustration)	Rashed Al Roqaiti Ihab Babili Mohammed Ansari Omar Al-Qassar	Dr. Faramarz Djavanroodi, Dr. Andi Asiz	Dr. Omar Ouda Dr. Alaa Salman Dr. Abbas Alomari

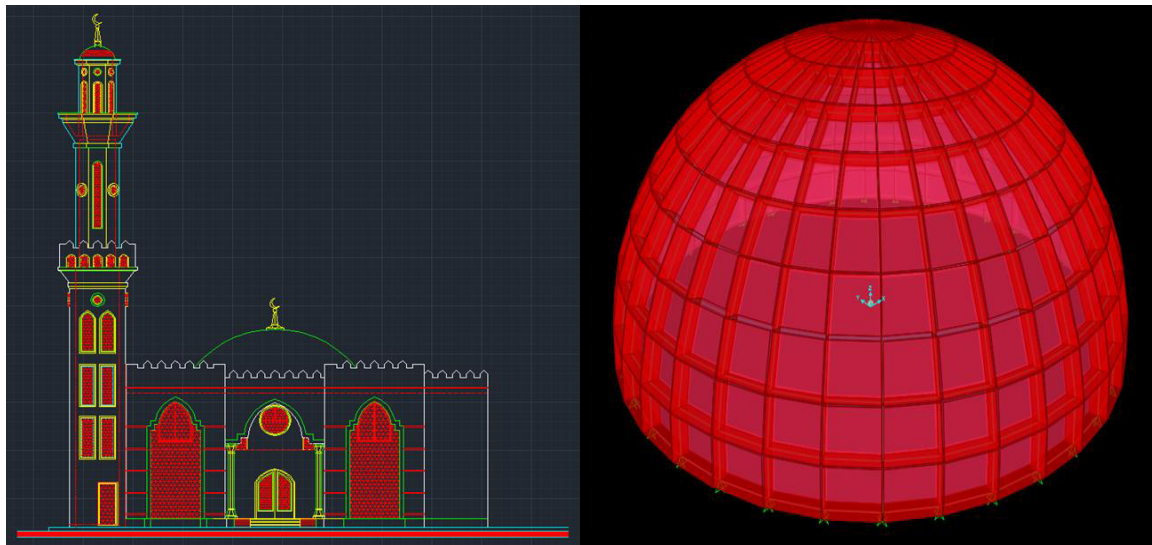


Figure1: Comparative Design & Analysis of a Mosque Using Steel and Reinforced Concrete Elements

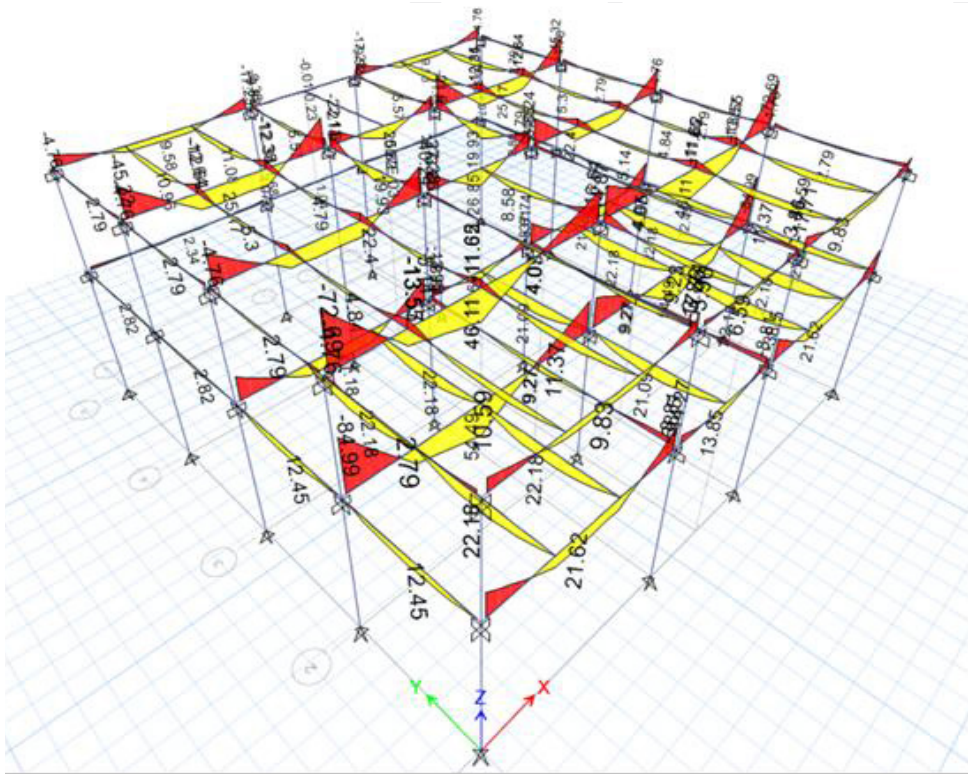


Figure 2: Design of mosque using modern structural analysis and design software ETABS



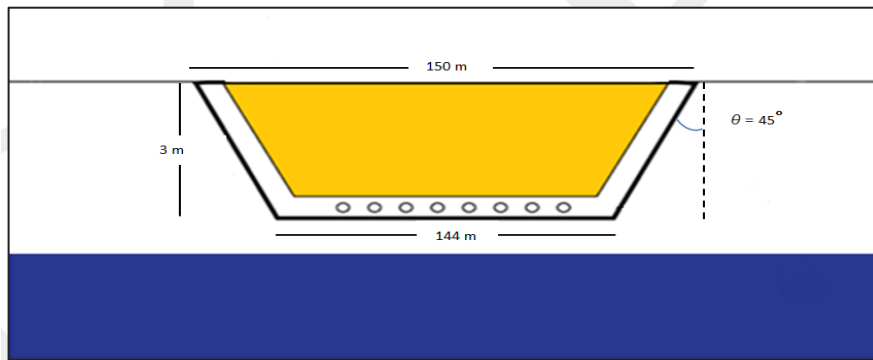
Figure 3: Statistical Analysis of the Mechanical Properties and Weight of Reinforcing Steel Re-bars



Testing of mechanical properties of reinforcing bars used in civil engineering structures

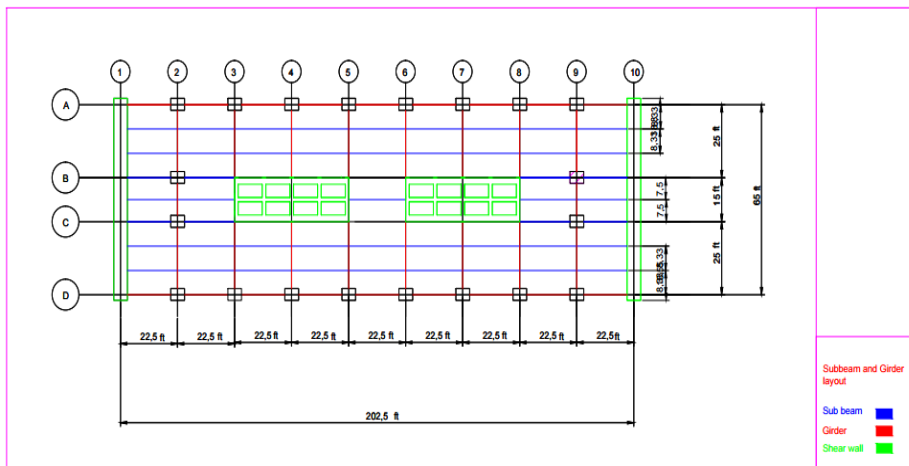
No	Project Title	Group Members	Advisor	Examining Committee
1	Municipal Solid Waste Characterization and Landfill Design for Greater Dammam Area	Abdulrhman AIB-looshi , Mohammed Shammout, Umar Ahmed, and Wasi U Hassan	Dr. Omar Ouda	Dr. Tahar Ayadat, Dr. Abbas Alomari, & Dr. Alaa Salman
2	Structural design and analysis of 60-storey building constructed using ultra-lightweight floor	Rashad Hajjaj, Abdulaziz Alhimeidi, Mohamed Sabbagh, Abdallah Al Atallah	Engr. Danish Ahmed & Dr. Andi Asiz	Dr. Tahar Ayadat, Dr. Abbas Alomari, & Dr. Alaa Salman
3	Geotechnical Design of a Star Flyer Tower (Six Flags) Projected Nearby a Slope	Mohamed Habib, and Omar Abdullah	Dr. Tahar Ayadat	Dr. Abbas Alomari, Dr. Alaa Salman, & Engr. Danish Ahmed

Municipal Solid Waste Characterization and Landfill Design for Greater Dammam Area:

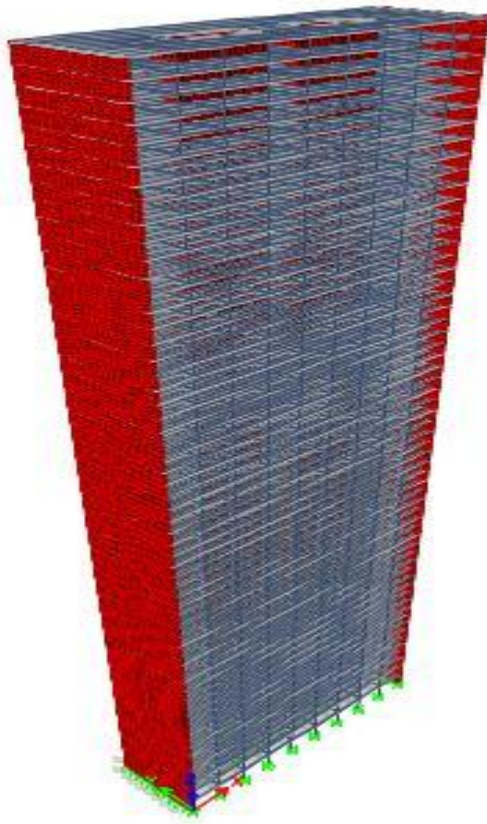


Schematic Cross-Section of Landfill Cell

Structural design and analysis of 60-storey building constructed using ultra-lightweight floor:

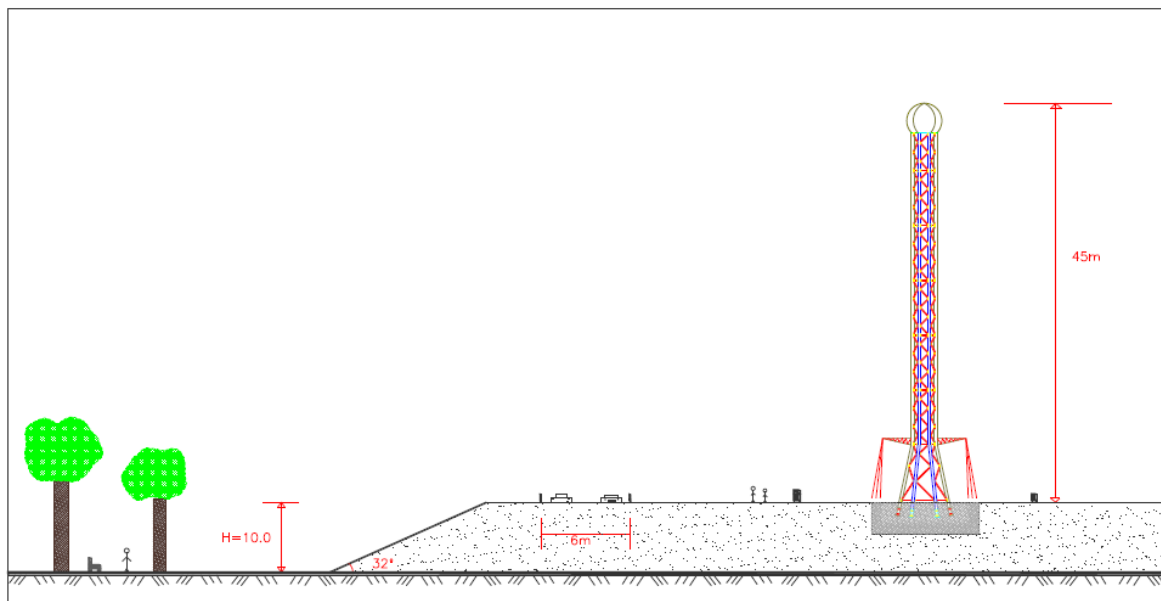


Typical Floor Layout



60 story building model in ETABS

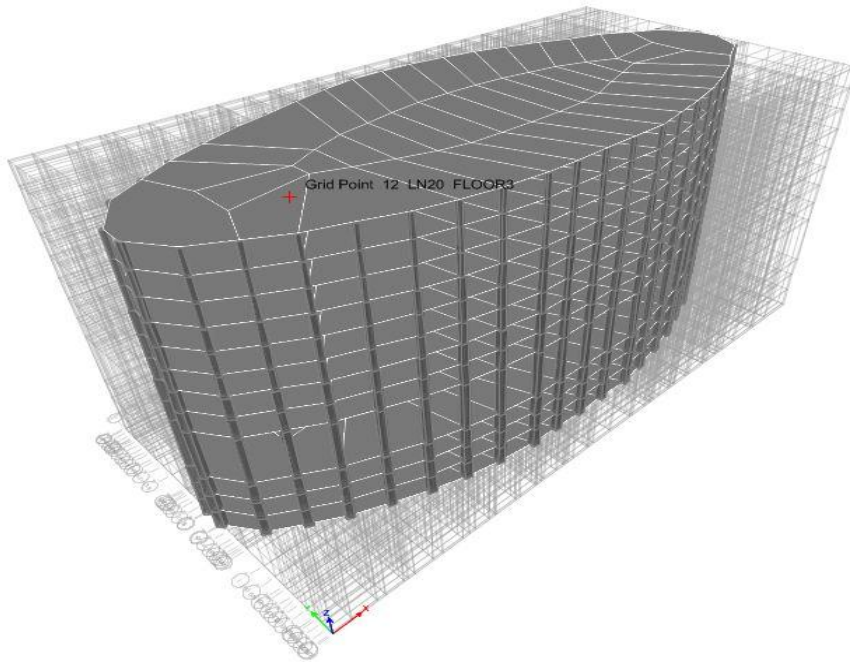
Geotechnical Design of a Star Flyer Tower (Six Flags) Projected Nearby a Slope:



Side view of the site project (tower + slope + paved road)

Senior Design Projects Department of Civil Engineering Fall Semester 2016				
No	Project Title	Group Members	Advisor	Examining Committee
1	Structural and geotechnical design of multi-storey hotel with irregular floor layout in Half-Moon Bay area	Mohammed Alshiha, Abdalla Shalata, Ali Elhatl	Engr. Danish Ahmed, Dr. Tahar Ayadat	Dr. Alaa Salman, Dr. Omar Ouda
2	Qualitative and Quantitative Risk Assessment Models for Al Khaldi-yah Road	Omar Abdullah, Ahmed Baydoun, Ahmad Ibrahim	Dr. Alaa Salman	Dr. Tahar Ayadat & Dr. Omar Ouda

Structural and geotechnical design of multi-storey hotel with irregular floor layout in Half-Moon Bay area:



3-D View” of the hotel in ETABS

On-Going Projects:

Senior Design Projects Department of Civil Engineering Fall Semester 2016		
No	Project Title	Principal Investigator
1	Infrastructure Report Card Prototype (RCP) and Business Management Plan (BMP) for Al Khobar City (Principal	Dr. Alaa Salman
2	Zonation Maps for Potentially Collapsible and Liquefiable Soils in the area of Al-Khobar South (KSA	Dr. Tahar Ayadat

ELECTRICAL ENGINEERING:

Students in the EE department are required to successfully complete a senior design project in the final year of their undergraduate studies in order to graduate. Senior design projects provide students with an opportunity to put in practice what they have learnt. Students gain significant experience in developing, designing, prototyping, and verifying their design. They also acquire in-depth skills in project

management. The major stages of the senior design projects are: identification of requirements, design, implementation, and testing and verification. Samples of Completed projects for the last two years are listed below.

SENIOR DESIGN PROJECTS:

Completed Projects:

Completed Projects: Spring 2013	
PROJECT TITLE	SUPERVISORS
Performance Analysis and Implementation of Maximal Ratio Combining Using NI System	Dr. Nizar Tayem Mohammed Lakkis Mr. Mohammed Omer
Design and Optimization of a Solar PV System	Dr. Chedley Yahya
Design of a Residential Security System	Dr. Jawad Al-Asad
Design a Micro-strip Antenna for Wireless Communication	Dr. Mohammed Morsy

Completed Projects: Fall 2013	
PROJECT TITLE	SUPERVISORS
Design of Wireless Robot Arm	Dr. Nizar Tayem Mr. Syed
Design of a PV Solar system with grid connection	Dr. Chedly B. Yahya
Design of an energy monitoring and conservation system	Dr. Mohammed Hassan
Design of a Wireless Charger	Dr. Samir Al-Nakla
Dr. Mohammed Morsy	

Completed Projects: Spring 2014	
PROJECT TITLE	SUPERVISORS
Remote Weather Station for environmental monitoring and agricultural applications	Dr. Nizar Tayem Mr. Ahmed Abul Alhussian
Maximum Efficiency PV System	Dr. Chedly B. Yahya
A patient Telemedicine System	Dr. Jawad Al-Asad
Security System	Dr. M. Morsy
DC/DC Boost Converter Design of a Solar Power System	Dr. Mohammed Hassan
Green House	Dr Samir

Completed Projects: Fall 2014	
Project Title	Supervisors
Smart Home Monitoring and control	Dr. Nizar Mr. Ahmed Abul Alhussian
Off Grid On Demand Street Light System	Dr. Nizar Mr. Ahmed Abul Alhussian
Driver Safety System and monitoring	Dr. Morsy and Dr. Jawad
DC Voltage Boosting System for an Electric Vehicle	Dr. Samir and Dr. Chedly
Solar PV System Performance Monitoring	Dr. Chedly

Senior Design Projects Department of Electrical Engineering Fall Semester 2015/2016				
No	Project Title	Group Members	Advisor	Examining Committee
1	Autonomous Quadcopter	Albadr Q Alrifaiy, Abdullah Ali Alhuweish, Abdullah Saleh Alhosni Alzahrani	Dr. Nizar Tayem, Mr. Ahmed Abul Hussain	Dr. Samir El-Nakla, Dr. Chedly Yahya
2	Smart Parking System	Ali A Alfakhar, Salam D Alzayer , Saleh H Almuhsin	Dr. Nizar Tayem, Dr. Jawad Fawaz Al-Asad, Mr. Ahmed Abul Hussain	Dr. Mohamed Morsy, Dr. Mohamed
3	Solar PV MPPT	Muhannad H Alkheshaiban , Fasil, Salman Aziz Choudhry	Dr. Mohamed Amine Fnaiech	Dr. Chedly Yahya, Dr. Jawad Fawaz Al-Asad
4	Electric Bike	Haider Abdulmohsen Alkhaifa, Ahmed Saleh Al-Ghumgham, Akram Mohammed Alsalah, Mohammed Mohammed Alsubaie	Dr. Mohamed Morsy	Dr. Nizar Tayem, Mr. Ahmed Abul Hussain

5	Automatic Egg Incubator	Mohammed Mohammad Ajhaf, Saud Abdulaziz Aldughaimi, Yazeed Dlaeem Al Adaila Al Moutairi, Mohamed Ahmed Elaagib, Khalid Ghanam Al Wadany Al Dossary	Dr. Chedly Yahya, Dr. Samir El-Nakla	Dr. Jawad Fawaz Al-Asad, Dr. Mohamed Amine Fnaiech, Mr. Ahmed Abul Hussain,
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**Senior Design Projects
Department of Electrical Engineering
Spring Semester 2016**

No	Project Title	Group Members	Advisor	Examining Committee
1	Remote Controlled Submarine	Wael Y. Suliman Hamed Alhussaini M. Jawwad Ahmed	Dr. Nizar Tayem, Mr. Ahmed Abul Hussain	Dr. Samir El-Nakla, Dr. Mohamed Morsy
2	3D Printer	Hussen M. E Alsaeed Murtadha A.M Aljumah Mohammed A. Alyami	Dr. Mohamed Morsy Dr. Nizar Tayem, Dr. Jawad Fawaz Al-Asad	
3	Smart Energy Monitoring System	Khalil I. A Alabdrabul-rasol Abdulelah E. Alrashed Mohammed Habib Ammar Bin Saleh	Dr. Chedly Yahya	Dr. Mohamed Amine Fnaiech, Mr. Adil Khan
4	Piezo Energy Generator	Rami S. A Alkhaldi Ahmed F. S Almihi Nabil A. Y Saedi	Dr. Jawad Fawaz Al-Asad	Dr. Chedly Yahya, Dr. Samir El-Nakla
5	Smart Irrigation System	Hassan M. M Alhassan Naif K. A Altuaimi Karam Abushehada	Dr. Samir El-Nakla	Dr. Nizar Tayem, Dr. Mohamed Morsy

6	Trainable Robotic Arm	Yousif M. A Al Balawi Mohammed Al-Maghlouth Ahmed Al-Harbi Majed M. A Alqhtani	Dr. Mohamed Amine Fnaiech	Dr. Jawad Fawaz Al-Asad, Mr. Ahmed Abul Hussain, Mr. Khaqan Majeed
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Senior Design Projects Department of Electrical Engineering Fall Semester 2016				
No	Project Title	Group Members	Advisor	Examining Committee
1	Smart Energy System With Billing & Demand Management	M Alkhawaher, Wesam S. H Al Saif, Saif M. A Altaisan, Fahad A.	Dr. Chedly Yahya, Dr. Samir El-Nakla	Dr. Samir El-Nakla, Dr. Mohamed Morsy
2	Field Oriented Control of Induction Machines	Alsharani, Abdulaziz F. A Alali, Mohammed H. Mubarak A Aldossary S Al Farwan, Mushari H.	Dr. Mohamed Amine Fnaiech	Dr. Jawad Fawaz Al-Asad, Dr. Chedly Yahya
3	Power Management System	Ben Dawood, Murtada A. Ali Alaqoul, Ali A. F Alanazi, Abdullah S.	Dr. Nizar Tayem, Mr. Ahmed Abul Hussain	Dr. Mohamed Amine Fnaiech, Dr. Samir El-Nakla
4	Self-Balancing Robot	Taleb, Nasser H. M Alkhateeb, Faris A. H Al Selham, Ali H.	Dr. Jawad Fawaz Al-Asad	Dr. Chedly Yahya, Dr. Mohamed Morsy, Mr. Ahmed Abul Hussain
5	2.4 Ghz Microstrip Antenna	Mohammed, Ali K. M Alqarawi, Mohammad S. M Aldulaijan, Faisal A.	Dr. Mohamed Morsy	Dr. Nizar Tayem, Dr. Samir El-Nakla, Dr. Jawad Fawaz Al-Asad

On-Going Projects:

Senior Design Projects Department of Electrical Engineering Spring Semester 2017				
No	Project Title	Group Members	Advisor	Examining Committee
1	Fire Fighting Robot	Ali A. AlSalboukh Ali T Almkhtar Faisal O. Alarfaj Omar AlDenaini	Dr. Samir El-Nakla	Dr. Chedly Yahya, Dr. Mohamed Morsy
2	Child Seat Safety System	Yasser A. AlBakri Hassan A. AlBakhite Hassen A. AlGhamdi Thamer B. AlRowaished	Dr. Nizar Tayem, Mr. Ahmed Abul Hussain	Dr. Samir El-Nakla, Dr. Mohamed Morsy
3	LTE MIMO Antenna	Majed M. AlThawadi Moaath M. AlThawadi Rayan S. AlMubarak	Dr. Mohamed Morsy	Dr. Jawad Fawaz Al-Asad, Dr. Nizar Tayem
4	Sign Language Glove	Abdulrahman AlZamil Ahmed A. Hamidaddin Sultan A. AlMoussa Sultan H. AlHarbi	Dr. Jawad Fawaz Al-Asad	Dr. Nizar Tayem, Dr. Mohamed Amine Fnaiech
5	Smart Energy System	Mohammed Bubshait Abulaziz H. AlYami Thamer S. AlMotlaq Masoud S. AlGhobari	Dr. Chedly Yahya	Dr. Mohamed Amine Fnaiech, Dr. Samir El-Nakla
6	Motor Fault Detection	Ahmed M. Ahmedzaidan Yassir J. Al Mutairi Mubarak F. AlDossary	Dr. Nizar Tayem, Dr. Mohamed Amine Fnaiech	Dr. Jawad Fawaz Al-Asad, Dr. Chedly Yahya

PROJECT EXAMPLES:

Project Title: Off Grid on Demand Street Light System

On-demand Street Luminaire System For Green/Smart Cities

Control Panel

School Area
Dimming On Dimming Off

Industrial Area
Dimming On Dimming Off

Residential Area
Dimming On Dimming Off

Commercial Area
Dimming On Dimming Off

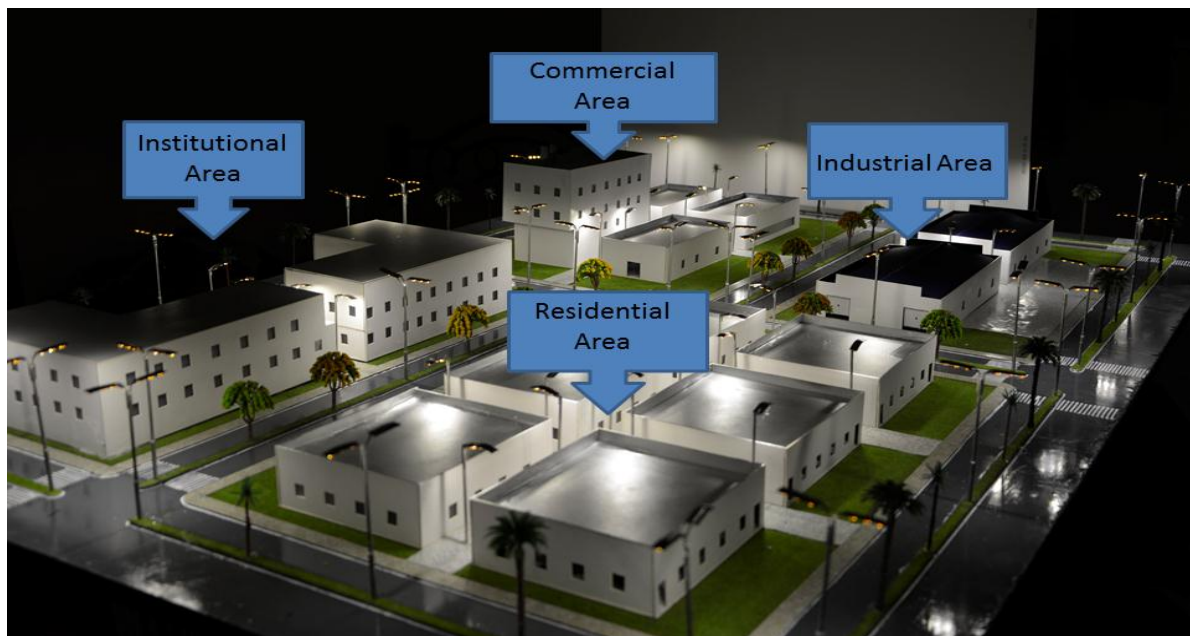
School Area is On Residential Area is Off
Industrial Area is On Commercial Area is On

Lamp(1) is operating normally
Fault detected in lamp(2)
Lamp(3) is operating normally

Video Streaming

Camera Monitoring Angle
Left straight Right

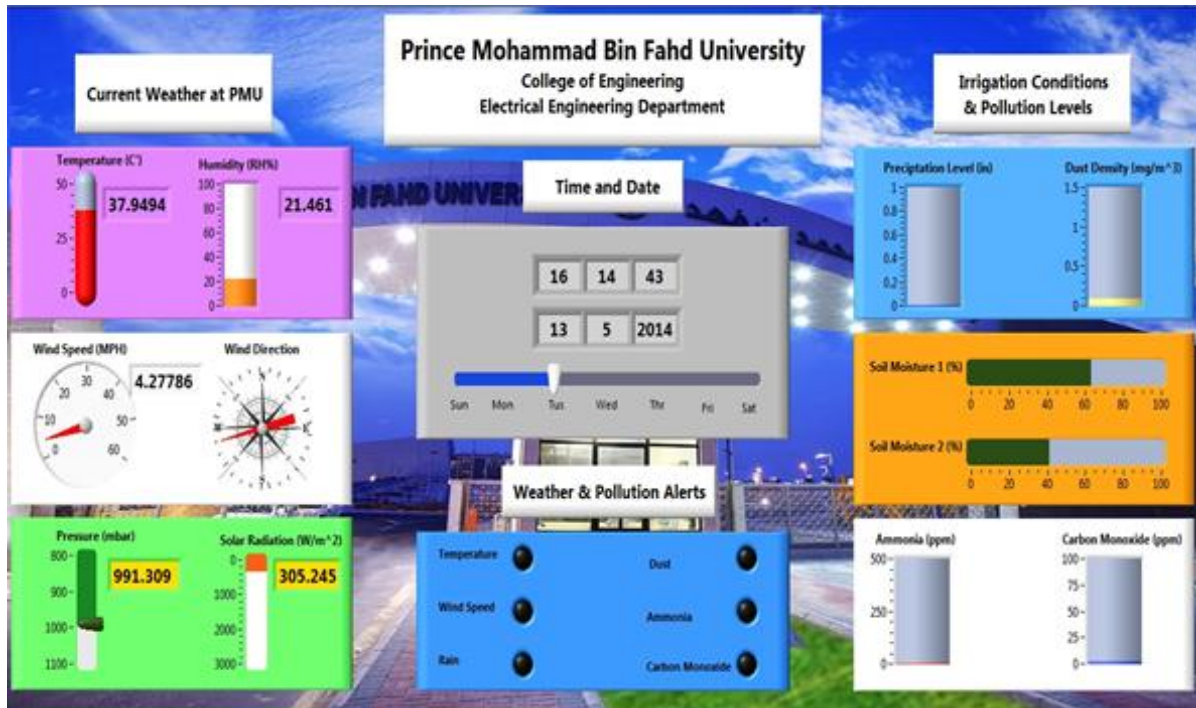
Temperature
23°C
No rain
No dust
Motion has been detected



Project Title: Smart Home Monitoring and Control

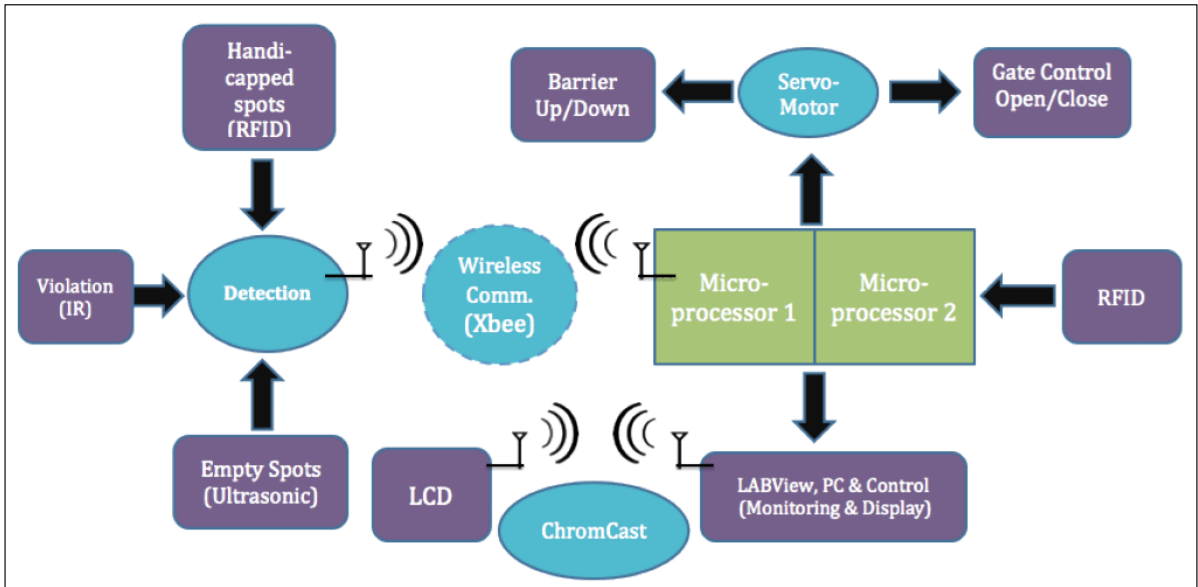


Project Title: Remote Weather Station for environmental monitoring and agricultural applications

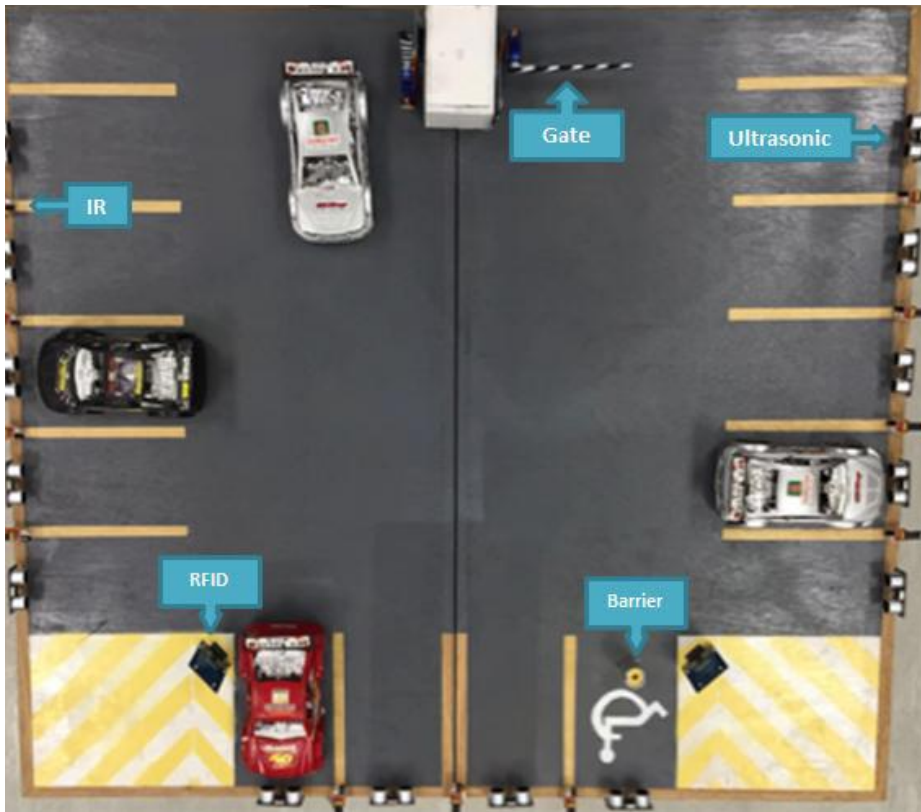


Project Title: Smart Parking System

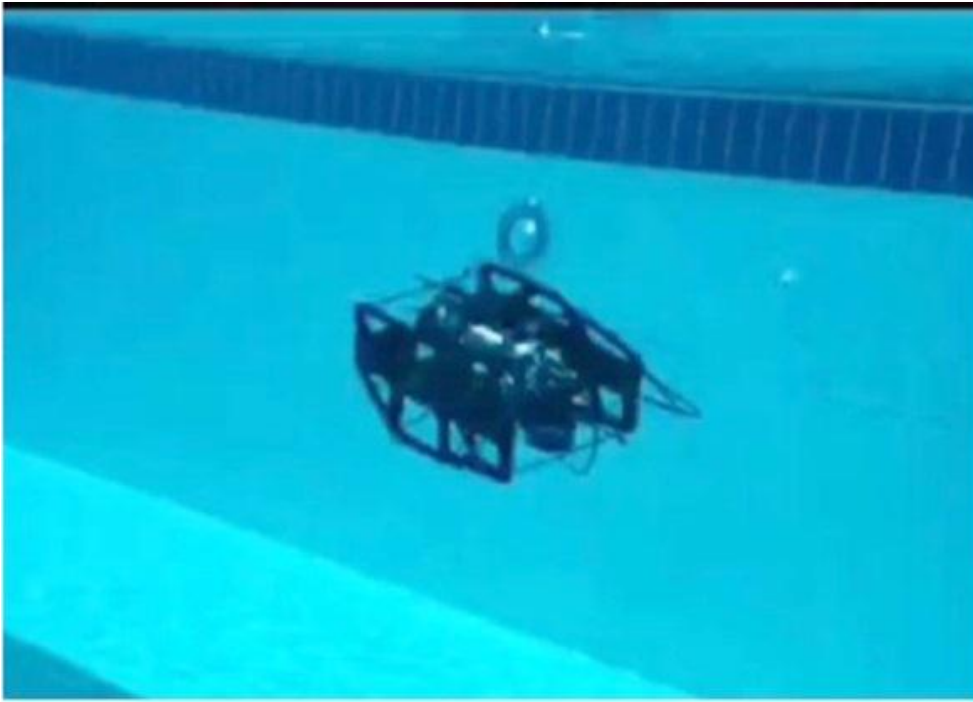
Abstract: One of the issues Saudi Arabia and the world in general suffer from is finding parking spots in public or private places, which causes drivers to waste their time looking for a parking spot, waste fuel, emitting CO₂, and causes some drivers to park unlawfully in some cases. This project aims to build a system to guide drivers to an empty parking spot, preserve special needs parking spots, identify the drivers who can or cannot enter the parking lot or the special needs parking spaces and count the number of vacant and occupied parking spot. This system also keeps the parking lot organized by forcing the drivers to obey the rules of the parking lot strictly. These solutions will reduce the time taken to find a parking spot, and will keep the parking lot organized. Various sensors and communication means are installed all around the parking lot (prototype) in order to achieve the objective of this project. Also, various software are used to interface different parts of the system with one another and to program the system as a whole. The system has been implemented using LABView software and Arduino Microcontroller. The functionality of the system has been tested and verified successfully.



The block diagram of the Smart Parking System



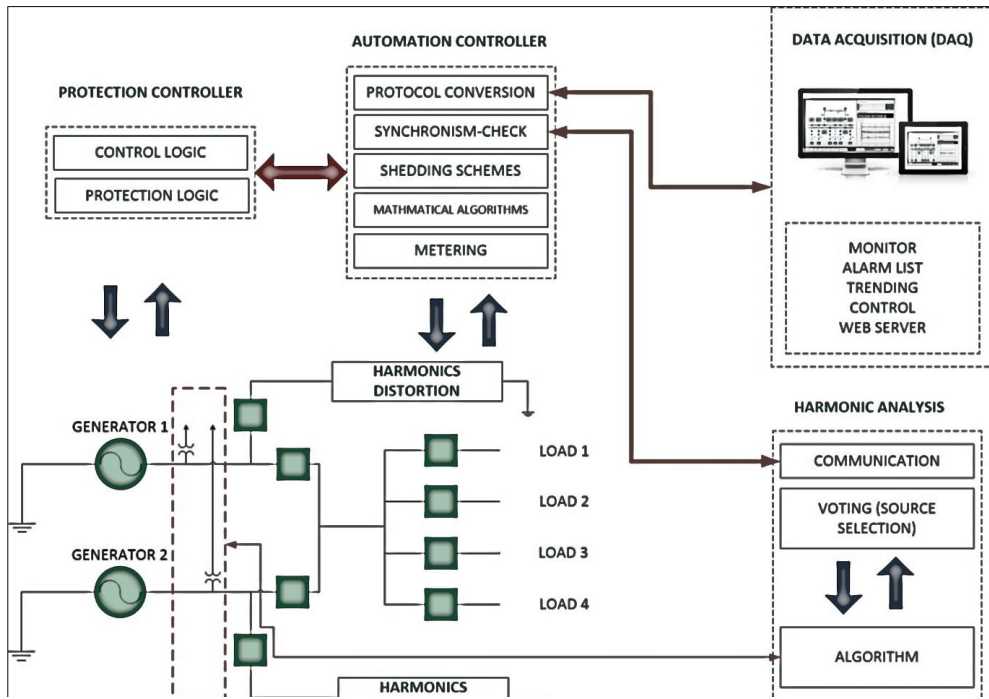
Project Prototype



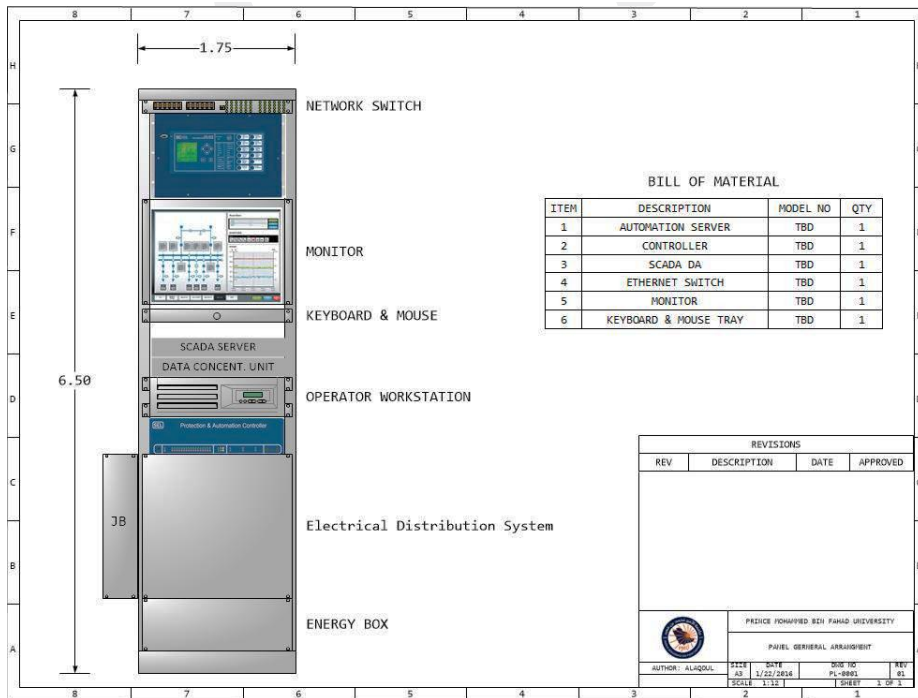
ROV Underwater

Project Title: Smart Power Management System

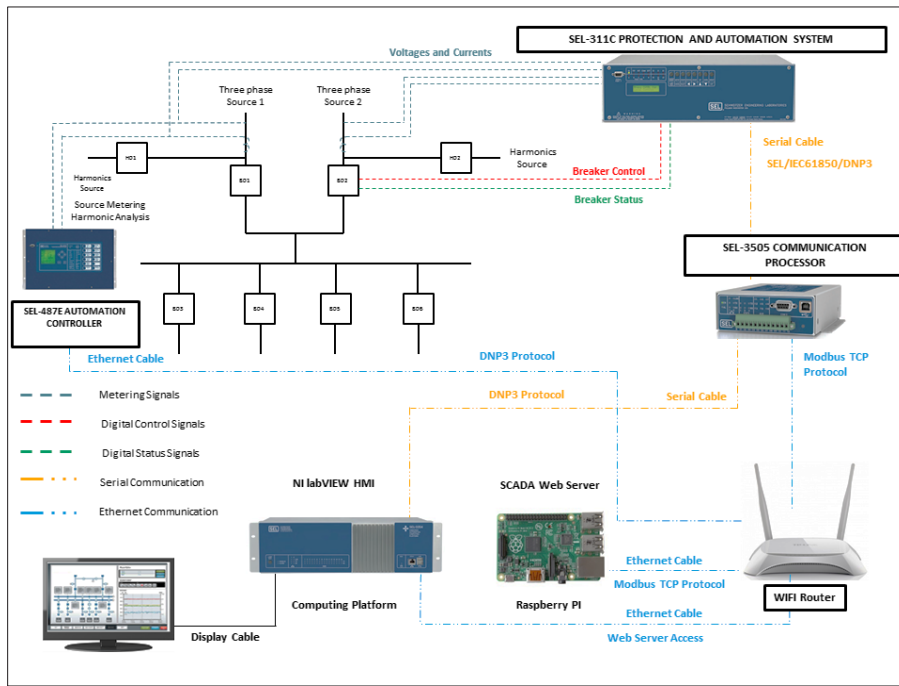
Abstract: Each industrial plant/building has an electric distribution system. Depending on the size of the power distribution system, layout of the plant/building, power source and operation, the power management may be more or less complex. This project is to be used as PLC based Smart Power Management System (SPMS) for low-voltage LV industrial plant/building. The aim of the PMS is monitor, optimize, and protect the quality of electric system using different schemes, to maximize the available power, to protect personnel and to maximize the reliability of the electric system by adding an extra quality-based decision making mainly based on harmonics analysis. The SPMS offers additional protection since the operation of breakers is performed away from the electric switchgear. This project shows the implementation of a Smart Power Management System that blends PLC technology with protection relays to insure a safe and reliable electric power operation on an industrial plant.



SPMS Block Diagram



SPMS Panel Layout



System Components



Real System Layout

INTERIOR DESIGN:

Interior Design students perform a senior level graduation design project that encompasses all aspects of their undergraduate Interior Design training. They must demonstrate mastery of concepts and procedures learned in all previous classwork as well as prove their ability to work independently on a complex design project. Each student selects her preferred project type and must create a functional and aesthetically unique design from an existing floor plan of her choice. Projects are limited to about 1500m2 as students complete refined detailing of the design. Students work through the phases of a typical design project: programming and programming presentation, schematic design, design development, construction documents and final presentation. Requirements for the final presentation include all necessary floorplans including space planning with furniture layout, ceiling and flooring plans; wall elevations and details; presentation graphics (3ds Max photorealistic renderings, typically); sample boards; final specifications; final budget; and all needed technical construction and installation drawings. An external jury reviews and grades each final presentation. Samples of projects are shown below.

SENIOR DESIGN PROJECTS:

Completed Projects	
Completed Projects: Fall 2013	
PROJECT TYPE	SUPERVISOR
School	Dr. Helen Peterson
Bed and Breakfast Hotel	
Elderly Care Home	
Community Center	
Craft Center	
Girls' College Dormitory	
Design Studio and Education Center	
Weight Loss Clinic	
Museum of Ottoman and Turkish Design	
Public Aquarium	

Completed Projects: Fall 2013	
PROJECT TYPE	SUPERVISOR
School	Dr. Helen Peterson
Bed and Breakfast Hotel	
Elderly Care Home	
Community Center	
Craft Center	
Girls' College Dormitory	
Design Studio and Education Center	
Weight Loss Clinic	
Museum of Ottoman and Turkish Design	
Public Aquarium	

Completed Projects: Fall 2014	
PROJECT TYPE	SUPERVISOR
Museum of Saudi Arabian Natural History	Dr. Helen Peterson
Middle East Newseum	
Sustainable Shopping Center	
Community Center & Library	
Elder Care Home as Part of a Resort	
Flying Luxury Hotel	
Accessible School	
Orphanage for Teenage Girls	
Private Yacht	
Department Store	

Completed Projects: Fall 2015	
PROJECT TYPE	SUPERVISOR
Airport Departure Lounge	Dr. Helen Peterson
Elder Day Care Center	
Physical Rehabilitation Center and Spa	
Preschool	
Gym	
Design Center	

On-Going Projects

In Progress Projects: Spring 2015

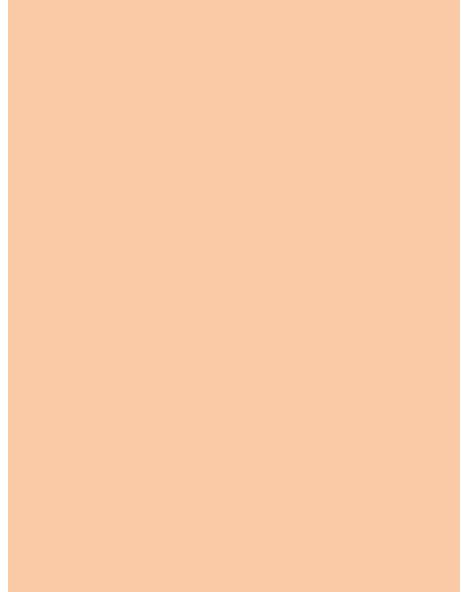
PROJECT TYPE	SUPERVISORS
Media Production Company	Arch. Fatima Reda
Leisure Center	
Boutique Hotel 1	
Youth Center	
Resort	
Fitness Center	
Culinary Arts Center	
Recreation Center	
Children Educational Center	
Interactive Museum	
Kindergarten	
Parliament	
Football Headquarter	
Fitness center	
Car Museum	
Learning Disabilities Center	
Shopping Mall Center	
Art Gallery	
Public Library	
Marina Center	
Kids Sport Center	

PROJECT EXAMPLES:

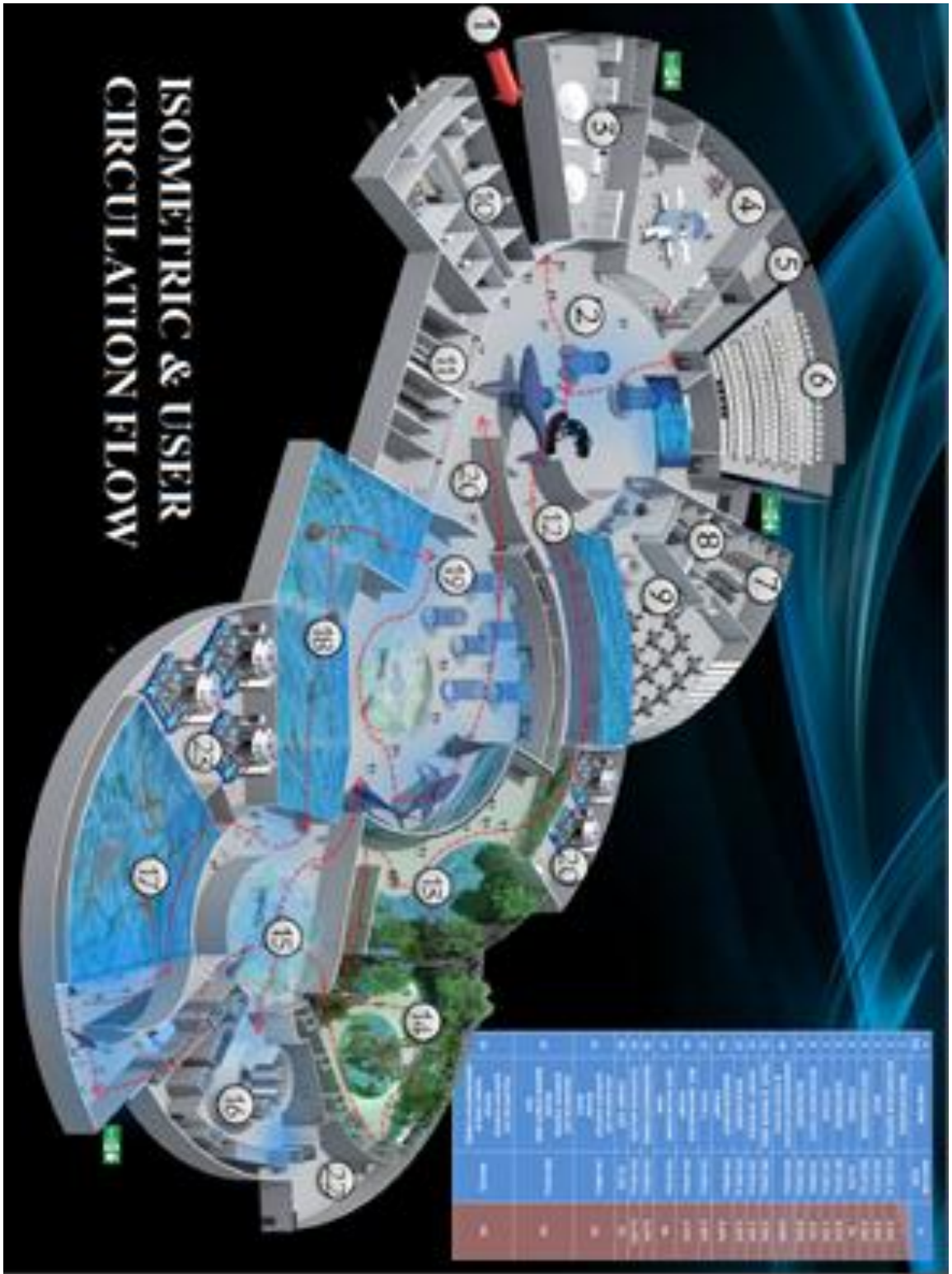
Innovation Center



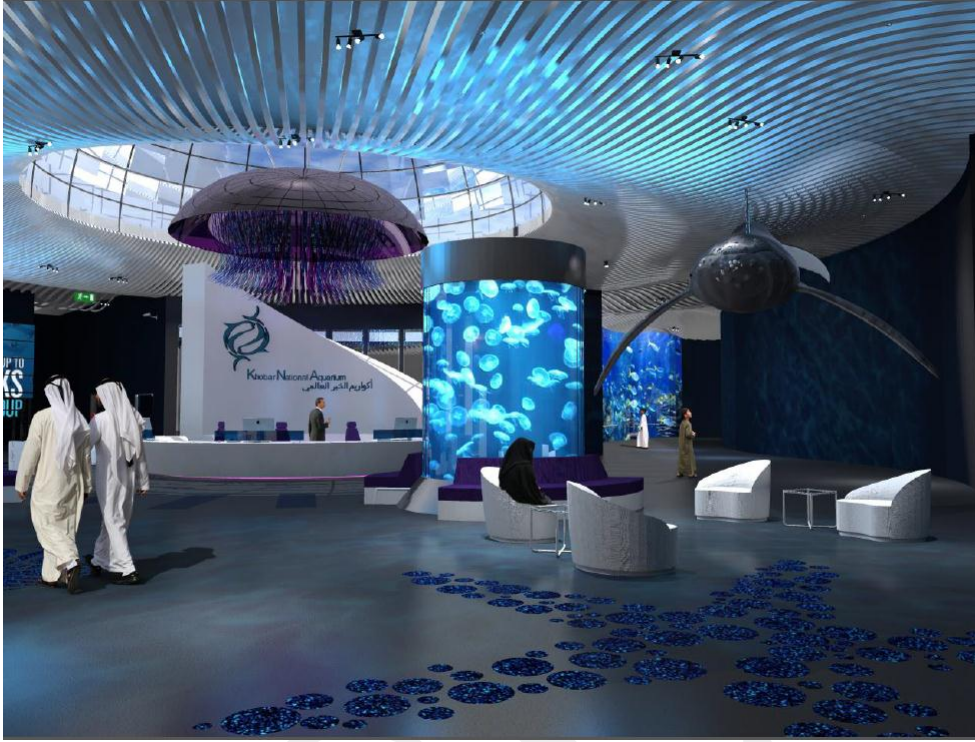


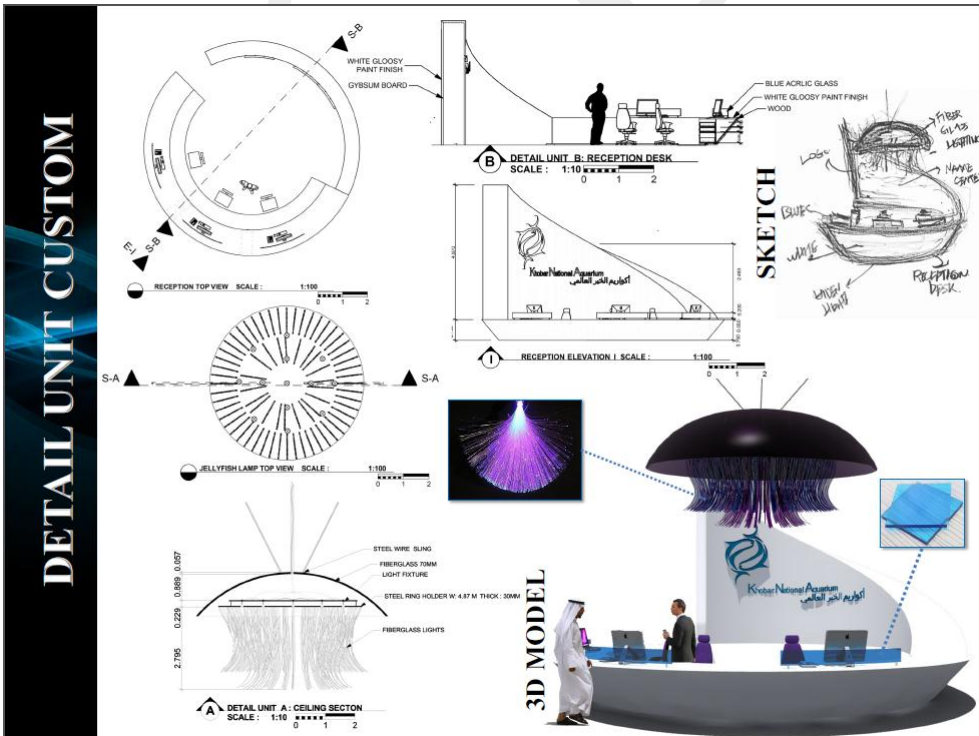
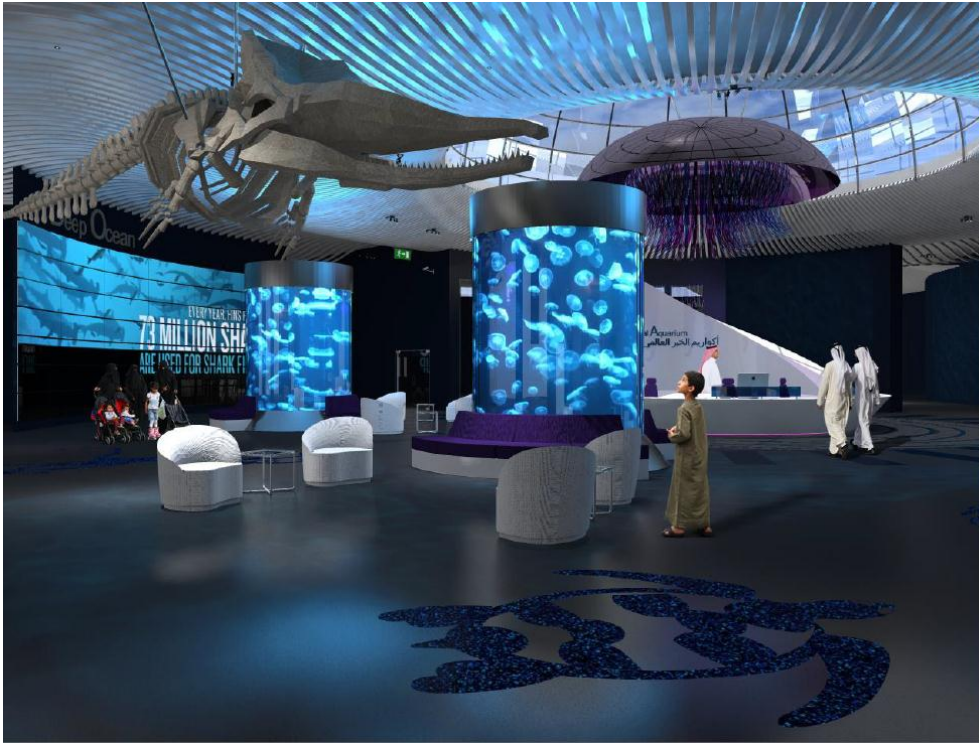


Aquariu



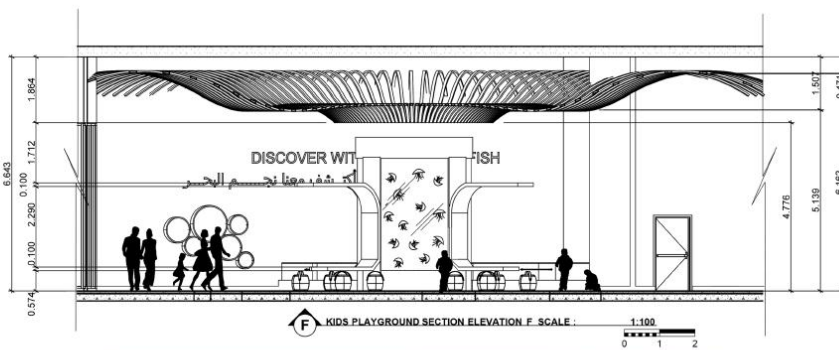
**ISOMETRIC & USER
CIRCULATION FLOW**







KIDS PLAY ZONE ELEVATION



CONCLUSION

- CoE is one of the most populated colleges on the male side. Number of students on the female side constitutes also good percentage of the students' population. This gives the C.O.E the edge as far as income to the university is concerned.
- Lab. facilities in the CoE are promising. Especially the laboratory facilities within the Electrical Engineering is quite state-of-art compared to the any other universities in the Kingdom.
- The Interior Design studios are being redesigned to reflect the best work environment for I.D students. Phase-I was completed and in the process of beginning phase II. An AutoCAD lab was added to the I.D. department.
- The strategic location of the CoE, in the heart of the Khobar-Dammam-Jubail triangle, is seen as an added value. This facilitates the interaction of faculty / students of CoE with the surrounding industrial community.
- Solid curriculum, based on the North American Model and satisfies the ABET and FIDER requirements. This fact has been confirmed by external reviewers appointed by the M.O.H.E.
- Excellent I.T infrastructure services which satisfy the students and faculty requirements.
- Programs of the CoE are the highest in demand by part-time (evening) students, which again gives the CoE the edge as an income generating source for the university
- The CoE has a great opportunity to expand in terms of its programs and concentrations. However, this has to wait until good number of faculty join different departments and senior academic administrators are on board.
- The CoE has a lot to give in terms of short courses aimed at professionals in the surrounding industrial community.
- The CoE has also a great opportunity in building industrial partnerships with large and medium size industries in the Eastern Province.

The College of Engineering could also lead the way towards establishing an Applied Research Center. The annual S.R 10 M donations by HRH Crown Prince Sultan Bin Abdul-Aziz for establishing an Endowed Chair in Energy and Environmental studies is a very good step in the right direction.

2.2.2 COLLEGE OF BUSINESS ADMINISTRATION (COBA)

INTRODUCTION

Since the first group of business students began their studies in 2006, the College of Business Administration at Prince Mohammad Bin Fahd University has experienced a remarkable growth; today it is a premier business school in the Eastern Province and the largest of the PMU Colleges, offering five undergraduate majors and two graduate programs to prepare its students for long-lasting successful professional careers in a variety of industries.

Along with its growth, COBA and its outstanding faculty have gained an excellent academic reputation not only in the region, but also internationally, as most recently evidenced by the establishment of a cooperative relationship with one of the most distinguished universities in the world, the Technical University of Munich, Germany.

Considering the impressive accomplishments over the past 10 years, one could be tempted to become idle and simply bask in the sunlight of educational success. However, the business and labor environments in the Kingdom of Saudi Arabia have changed over the past two years, and it can be expected that even greater challenges lie ahead. These new developments require educational approaches and solutions that benefit its students, PMU, and its external stakeholders, and that meet the knowledge and skills demands identified in the Kingdom's Vision 2030 master plan.

COBA is committed to contributing its part to the successful realization of Vision 2030 and to the bright future of the Kingdom of Saudi Arabia and its citizens.

COLLEGE OVERVIEW

The College of Business Administration (COBA) at Prince Mohammad Bin Fahd University (PMU) offers a comprehensive business education of the highest quality, combined with a firm liberal arts foundation aiming at equipping students with the skills, expertise, and intellectual sophistication that are needed to succeed in today's demanding global business environment. COBA instruction is based on the conviction that becoming a future business leader must also include personality and character development. The curricula blend comprehensive business coursework with a wide selection of liberal arts classes, and as such the education provided at COBA prepares students not only for a successful professional career in business, but also trains them to become useful citizens and advance the common good in the Kingdom of Saudi Arabia as articulated in Vision 2030, and beyond.

The goals of the College of Business Administration are in line with the commitment to serve as an institution for excellent business education. In accordance with the goals of Prince Mohammad Bin Fahd University, COBA strives to:

- Attract and retain a distinguished international body of faculty.
- Develop a high-quality infrastructure that promotes research and graduate studies.
- Design and adapt appropriate research policies and practices, and teaching techniques.
- Obtain institutional and program accreditations from national and international organizations.
- Provide a high quality educational environment.
- Respond quickly and effectively to local labor market demands and to the requirements of the community.

As such, the College of Business Administration prepares students to assume a wide range of professional positions through an innovative curriculum and world-class international faculty. Faculty members

use their proven record of research and/or an extensive business background to help students to develop the abilities necessary to succeed in a global economy. Graduates will have succeeded mastering an integrated and comprehensive curriculum that balances both applied experience and academic theory, and rigorous liberal arts coursework that adds an extra dimension to prepare them for a successful professional and personal life. Graduates will have developed and demonstrated critical professional capacities such as written and verbal communication skills, analytical abilities, multi-cultural competence, and team-building capabilities based on a mindset of social responsibility.

The goals and objectives of the College of Business Administration are met through the following general principles:

- COBA contributes to the advancement of knowledge and paves the way for the development of general professional and business-specific acumen as well as for the enhancement of the business enterprise in which graduates are employed.
- COBA prepares future academic professionals in the areas of accounting, business administration, finance, human resource management, and management information systems, through the development and application of innovative educational approaches in a modern, global, and technologically advanced instructional environment.
- By teaching students a framework for understanding the role of business in a global society, COBA enables each graduate to assume a leading and critical role in their community and to continuously advance its business and social performance by identifying opportunities for sustainable and mutually beneficial business engagements.
- COBA demands and fosters academic excellence throughout all of its programs and offers curricula and specializations that allow students to develop real-world business expertise, experience, and ethics that impact work environments. This is accomplished by maintaining effective and efficient collaborations with a variety of stakeholders and includes close cooperation between COBA, the University, local business entities, government agencies, and local, regional, and global society as a whole.
- COBA encourages students to conduct valid and reliable research and to engage in professional consultations, in order to identify, understand, and explain organizational phenomena and to find solutions for business problems.
- COBA instills a mindset of leadership and innovation by including leadership and innovation instruction in core business classes, supporting research in the area of leadership and innovation, and requiring that graduates take a course in entrepreneurship in which they learn the creative process of idea generation and opportunity identification and evaluation, as well as the unique skills necessary to build and grow a start-up organization or to develop new-to-the-world products.

VISION

The College of Business Administration at PMU desires 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. The programs shape students for a wide range of professional occupations through innovative curricula and a truly international faculty. In this regard, the COBA vision translates into:

- Preparing future business administration, finance, accounting, management information systems, and human resource management professionals.
- Enriching and developing intellectual resources.
- Exploring innovative instructional methods and technologies.
- Providing the highest-quality and most effective preparation for successful careers as business professionals.
- Establishing communication and exchange of ideas between the academic and the business society.
- Becoming a recognized model business school in the Eastern Province of the Kingdom and beyond, by providing excellent education and exemplary scholarly research, and by paving the way for social and economic development.

MISSION

Consistent with the overall mission of Prince Mohammad Bin Fahd University, the mission of the College of Business Administration is to elevate its status to a recognized international center of business education and scholarship, committed to preparing future leaders who will excel in today's dynamic global business environment in the Kingdom of Saudi Arabia and beyond. COBA develops educational programs with impact, fosters alliances between students and faculty, provides outreach to the community, and makes research discoveries of lasting consequences.

PMU's commitment to its stakeholders empowers the College of Business Administration to create maximum value by delivering scholarly education, learning, and service in the following ways:

- Through the scholarship of discovery we develop, integrate, and apply new ideas by employing traditional and innovative research approaches that transcend conventional boundaries.
- Through the scholarship of learning we create an environment in which students acquire knowledge and develop skills to be effective leaders in their respective professions and communities.
- Through the scholarship of service our faculty and students share their knowledge and skills to the benefit of partner organizations, our alumni, our community, and other stakeholders worldwide.

CORE VALUES

Consistent with PMU core values, the COBA values are to:

- Foster and promote Islamic values in alignment with the pursuit of knowledge and excellence.
- Encourage scholarly faculty and student research in order to enhance the reputation of the College of Business Administration.

- Encourage and support faculty in developing strong reputations in both teaching and research activities.
- Provide students with skills and experiences that are needed to succeed in a complex, technology-driven, global society.
- Foster an academic environment that emphasizes collaboration in research, teaching, and social service responsibilities.
- Promote a high degree of integrity and ethical conduct from our faculty, staff, and students.
- Embrace cultural diversity among our faculty, staff, and students.

UNDERGRADUATE PROGRAMS

OVERVIEW

The programs and operations of the College of Business Administration are overseen by its Dean. Responsibility and authority for the daily operation of the COBA's five undergraduate degree programs fall under the directions of its three departments: the Accounting and Finance Department, the Business Administration Department, and the Management Information Systems Department; the first two departments operate interconnected but leadership-autonomous wings on both the Male and the Female Campus. The departments assume the responsibility for the organization and administration of the following five undergraduate degree programs, respectively:

1. Bachelor of Science in Accounting
2. Bachelor of Science in Finance
3. Bachelor of Science in Business Administration
4. Bachelor of Science in Human Resource Management
5. Bachelor of Science in Management Information Systems

The Accounting and Finance Department is responsible for the operation, administration, and management of the degree program and the degree-specific and elective requirements for the Bachelor of Science in Accounting and the Bachelor of Science in Finance. The Business Administration Department is responsible for the operation, administration, and management of the degree program and the degree-specific and elective requirements for the Bachelor of Science in Business Administration and the Bachelor of Science in Human Resource Management. The Department of Management Information Systems is responsible for the operation, administration, and management of the degree program and the degree-specific and elective requirements for the Bachelor of Science in Management Information Systems.

For each department, a Chair oversees the academic affairs and instruction at the male campus; for the Business Administration Department and the Accounting and Finance Department, an Associate Chair has the same responsibilities at the female campus. For the Management Information Systems Department, the Chair currently oversees both the male and female campus. The positions of Chair for the

Accounting and Finance Department and of Chair for Management Information Systems Department are currently vacant.

The number of business majors at PMU has steadily grown since the university opened its doors in 2006; by 2015, COBA was operating at maximum capacity, and enrollment in 2016 remained at the same high level: total male and female business student enrollment was 2,115 in the Fall semester of 2016, unchanged from 2015's enrollment of 2,125, which had constituted a growth of 18 percent compared to 1,799 in the year before (which itself was a 13 percent increase compared to 1,595 students in the Fall semester of 2013). For each campus, male business student enrollment was at 731 in the Fall semester of 2016; female business student enrollment was at 1,384 in the Fall semester of 2016. These enrollments continue to reflect the importance of the female campus within COBA, where the number of students outweighs the number of students at the male campus by nearly 2:1.

The overall numbers place COBA at the top of enrollment among the colleges at PMU.

THE BACHELOR OF SCIENCE IN ACCOUNTING

The B.S. in accounting degree program provides appropriate professional preparation for students working toward careers in accounting. The accounting degree seeks to develop a well-rounded student who has a specific skill set in accounting as well as broad skills in general business and the use of information and software systems. Career opportunities will include working in an international public accounting firm, as a controller or chief financial officer in government, public or non-government organizations. Students majoring in accounting may also be employed as internal auditors and financial analysts. In their positions, students will be able to utilize tools such as accounting information systems, and to engage in personal financial planning and investment advising. Students are required to complete courses in each of the other functional areas of business, thus acquiring the broad knowledge base necessary for success in corporate careers. The coursework required in this program provides a solid foundation for those who plan to take the Fellowship Exam, conducted by the Saudi Organization of Certified Public Accountants. Students who wish to sit for the CPA exam in the United States will need to take additional courses. This program also offers an excellent foundation for graduate studies in business and accounting.

Total male and female student enrollment in the program reached 124 in the Fall semester of 2016. For the individual campuses, male enrollment reached 39 and female student enrollment reached 85.

THE BACHELOR OF SCIENCE IN BUSINESS ADMINISTRATION

The B.S. in Business Administration degree program provides appropriate professional preparation for students working toward careers in general business, management, or administration. This degree seeks to develop a well-rounded student who has a broad skillset in business education and practice. On top of the business core, students are required to take additional courses in accounting, finance, and management information systems. This approach ensures that the general business administration

student also acquires skills in related major areas beyond introductory courses. All business courses are characterized by contemporary content that addresses the current business environment, and are constantly expanded and updated in accordance with real-world trends and developments. Depending on the evolution of the business environment, courses may be completely replaced by others that are considered to be more relevant. This program also offers an excellent foundation for graduate studies.

Total male and female student enrollment in the program reached 451 in the Fall semester of 2016. For the individual campuses, male enrollment reached 204 and female student enrollment reached 247. The business administration program remains of critical importance to business education at PMU as its instructors educate students from all different majors in the functional areas of business.

THE BACHELOR OF SCIENCE IN FINANCE

The B.S. in Finance degree program provides appropriate professional preparation for students wishing to follow a career in the financial sector of the economy, and it is particularly suited for those aiming to work in the banking and insurance industry as well as financial consultants. The degree program emphasizes sound financial thinking and analysis, along with an understanding of the structure of the financial system and of financial tools that are essential to the success of any organization. The finance program seeks to develop a well-rounded student who has a specific skillset in finance as well as broad skills in general business and the use of information and software systems, and is designed to cover key finance areas that span across money and capital markets, corporate finance, assessing return on investment, financial planning and budgeting, capital budgeting, capital structure, cost of capital, dividend policy, investments, valuations, security analysis, and portfolio management. This program also offers an excellent foundation for graduate studies in business and finance.

Total male and female student enrollment in the program reached 546 in the Fall semester of 2016. For the individual campuses, male enrollment reached 209 and female student enrollment reached 337. The finance program remains of critical importance to COBA as it constitutes the second-largest major overall. In addition, its instructors educate students from all different majors about the finance-related areas of business.

THE BACHELOR OF SCIENCE IN HUMAN RESOURCE MANAGEMENT

The B.S. in HRM degree program will provide appropriate professional preparation for students working toward careers in human resource managerial positions. The program is designed to cover key human resource management areas including recruitment, compensation and benefit, employee relations, training and development, performance appraisal, legal and ethical issues in HRM, human resource planning, human resource development, and organizational development, and seeks to develop well-rounded graduates that are equipped to manage human capital and possess the attributes of effective decision-making, financial awareness, strategic thinking, and global awareness. With an increase in the number and complexity of legal issues and governmental regulations, individuals with skills in

HRM are invaluable to both businesses and government organizations. The HRM program provides students with the required comprehensive grounding in human resource management and prepares them for career progress towards managerial positions in private for-profit firms as well as in nonprofits and governmental agencies. This program also offers an excellent foundation for graduate studies in business and HRM.

Total male and female student enrollment in the program reached 762 in the Fall semester of 2016. For the individual campuses, male enrollment reached 197 and female student enrollment reached 565. The HRM program is the youngest major at PMU and was launched in the 2011-12 academic year. Despite its youth, it has shown remarkable growth due to its very popularity, especially among female students, and constitutes the largest business major.

THE BACHELOR OF SCIENCE IN MANAGEMENT INFORMATION SYSTEMS

The B.S. in MIS degree program provides students with the academic background to be successful in any of the specialty fields within the information systems profession. In particular, the MIS degree aims to develop a well-rounded student who has a broad set of skills in MIS as well as in accounting, business administration, finance, and marketing. Students are required to successfully complete at least one course in each of these major areas of business, thus acquiring the broad knowledge base necessary for success in corporate careers. As the number of businesses that rely on increasingly sophisticated computer technology through both dedicated and open systems rises, the need for information systems professionals will also continue to grow. These professionals must be able to understand, apply, integrate, and manage interdisciplinary concepts, methods, and techniques to help organizations in accomplishing their desired overall performance outcomes. Thus, the MIS program equips students with the required background in both information systems and in the functional business areas. This program also offers an excellent foundation for graduate studies in business and MIS.

Total male and female student enrollment in the program reached 232 in the Fall semester of 2016. For the individual campuses, male enrollment reached 82 and female student enrollment reached 150. The MIS program remains of critical importance to COBA as it provides education in an area that due to its dynamic developments and importance in business development will be of great significance to the future of the Kingdom of Saudi Arabia.

The following table summarizes the information presented above.

Class	Level	Business Admin		Accounting		Finance		MIS		HRM		TOTAL		OVERALL
		M	F	M	F	M	F	M	F	M	F	M	F	
Preparatory	Pre-beginner	7	9	2	1	1	2	0	1	4	7	14	20	34
	Beginner	18	18	2	3	6	7	4	0	8	19	38	47	85
	Intermediate	19	21	2	6	20	17	5	8	13	32	59	84	143
	Advanced	27	43	1	6	17	27	4	4	17	41	66	121	187
Freshmen		74	58	14	20	59	103	23	55	60	156	230	392	622
Sophomore		29	26	6	22	47	57	19	28	50	120	151	253	404
Junior		15	32	6	9	29	65	17	24	20	115	87	245	332
Senior		15	40	6	18	30	59	10	30	25	75	86	222	308
TOTAL		204	247	39	85	209	337	82	150	197	565	731	1,384	2,115
TOTAL PER MAJORS		451		124		546		232		762		2,115		2,115

GRADUATE PROGRAMS

THE EXECUTIVE MASTER OF BUSINESS ADMINISTRATION (EMBA)

The Executive Master of Business Administration (EMBA) is a co-educational weekend graduate program, designed to provide employed executives, managers, entrepreneurs, and other business leaders with an opportunity to advance their career in a stimulating, supportive, and challenging environment. The courses comprehensively cover business knowledge sets that are enriched with a highly relevant and practical exploration of the current management environment. Executive MBA students generally have several years of experience and an established career. By earning an executive MBA degree, students will diversify and update their knowledge and skills in ways that expand their career options and advancement opportunities.

The EMBA program develops leaders of both genders through the infusion of outstanding professional capability. EMBA graduates acquire the ability to use rigorous analytical tools, thereby enhancing their problem-solving skills. Graduates possess integrity, faith, and strong moral character. The curriculum balances the art and science of management so that students can gain an understanding of the theoretical foundations of business and simultaneously learn to apply those foundations in diverse applied management situations. Courses are designed to give a comprehensive and relevant understanding of today's management environment and prepare students to become successful leaders and decision makers in situations in which they are faced with dynamic and global business challenges that defy simple solutions. In terms of subject areas, the course structure provides a solid ground in management fundamentals, international business, strategic thinking, innovation and entrepreneurship, corporate social responsibility, and leadership. These themes are integrated into a comprehensive, challenging curriculum so that graduates develop the ability to approach management issues with a multidisciplinary mindset.

The EMBA program at COBA continues to be a successful endeavor. Using a cohort approach accepting 10-15 students per year, the selection of Intake 6 was completed in 2016, resulting in a cohort of 11 students; for the first time the number of female students (6) was larger than the number of male students (5). Students attending the program are drawn from a diversified population and originate from different academic backgrounds including engineering, liberal arts, social studies, nursing, and business.

THE MASTER OF BUSINESS ADMINISTRATION (MBA)

The Master of Business Administration (MBA) program was launched in Fall 2016 with an initial intake of 8 students and runs parallel to the EMBA program, but during weekday evenings rather than on weekends, and thus – by following a more conventional schedule - provides interested students with another schedule option to pursue graduate business studies. This MBA program is co-educational and will be conducted on a semester basis during which students will have to go through core studies and subsequently will be offered the option to select a major area for further specialization.

The MBA program is designed for professionals interested in developing and acquiring knowledge beyond their initial degree, thus improving employment opportunities and professional growth prospects. Prospective MBA students may have little to no work experience after their initial degree. The integrative curriculum promotes ethical and sustainable business endeavors, takes a multidisciplinary focus, reflects the international nature of business in all disciplines; and leverages local and international business economic opportunities. Graduates will develop and demonstrate critical professional capacities such as written and verbal communication skills, analytical abilities, multi-cultural competence, and team-building capabilities based on a mindset of social responsibility. This broad education will transform the student into a multitalented individual with the skills, expertise, and intellectual sophistication at the highest level needed to succeed in executive-level careers in a contemporary global business environment. The MBA program will play a significant role in PMU's mission to provide the surrounding business community in the Eastern Province of the Kingdom of Saudi Arabia with highly skilled business graduates in accordance with the needs articulated in Vision 2030.

FACULTY

At the beginning of the Fall 2016 semester, the academic personnel of the College of Business Administration consisted of 48 full-time individuals, up from 35 in the Spring 2015 semester: a Dean, a male Chair, two female Associate Chairs, 24 professors, and 20 instructors. Of these professors and instructors, 30 were male and 14 were female. The activities on the Male and Female Campus were each supported by an administrative assistant, two on the male side and one on the female side, all of whom primarily served the administrative college leadership at each location. The following table provides a breakdown of the academic COBA personnel by name, rank, specialty, and gender.

Dr.	Hinck	Wolfgang	Dean	Business Administration	Male
Dr.	Manning	Robert	Chair	Business Administration	Male
Dr.	L'Huillier	Barbara	Associate Chair	Accounting	Female
Dr.	Taylor	Elizabeth	Associate Chair	Business Administration	Female
Dr.	Gadhoom	Yours	Professor	Finance	Male
Dr.	Tahir	Harris	Associate Professor	Business Administration	Male
Dr.	Nasri	Bassem	Assistant Professor	Business Administration	Male
Dr.	Al Imamy	Samer	Assistant Professor	MIS	Male
Dr.	Al Najjar	Moh'd	Assistant Professor	Accounting	Male
Dr.	Al-Jafari	Mohamed	Assistant Professor	Finance	Male
Dr.	Bester	Francois	Assistant Professor	HRM	Male
Dr.	Boukhris	Mohamed	Assistant Professor	Finance	Male
Dr.	Chowdhury	Shah Saeed	Assistant Professor	Finance	Male
Dr.	Elhaj	Malik	Assistant Professor	Accounting	Male
Dr.	Gizelis	Demetrios	Assistant Professor	Finance	Male
Dr.	Hadili	Abduraawf	Assistant Professor	Finance	Male
Dr.	Halawani	Esam	Assistant Professor	Business Administration	Male
Dr.	Hossain	Muhammad	Assistant Professor	Business Administration	Male
Dr.	Kuforiji	John	Assistant Professor	Finance	Male
Dr.	McKenzie	Wade	Assistant Professor	Business Administration	Male
Dr.	Saunders	Bradley	Assistant Professor	HRM	Male
Dr.	Sefiani	Yassine	Assistant Professor	Business Administration	Male
Dr.	Zygiaris	Sotirios	Assistant Professor	MIS	Male
Dr.	El-Khatib	Rima	Assistant Professor	MIS	Female
Dr.	Khan	Soha	Assistant Professor	Finance	Female
Dr.	Lennard	Barbara	Assistant Professor	Business Administration	Female
Dr.	McNally	Beverley	Assistant Professor	HRM	Female
Dr.	Viets	Margaret	Assistant Professor	Business Administration	Female
Dr.	Camara	Omar	Lecturer	Finance	Male
Dr.	Ntui	Emmanuel	Lecturer	Finance	Male
Mr.	Abdul-Rahim	Mohammad	Lecturer	Business Administration	Male
Mr.	Ahmad	Ghayur	Lecturer	HRM	Male
Mr.	Alyani	Nader	Lecturer	HRM	Male
Mr.	Herlevsen	Niels	Lecturer	Business Administration	Male
Mr.	Idrees	Malik	Lecturer	HRM	Male
Mr.	Ondish	John	Lecturer	Business Administration	Male
Mr.	Poole	Jon	Lecturer	Accounting	Male

Mr.	Rafiq	Muhammad	Lecturer	MIS	Male
Mr.	Sullivan	Brian	Lecturer	Accounting	Male
Ms.	Abdul-Qader	Sireen	Lecturer	Accounting	Female
Ms.	Alao	Mariam	Lecturer	Business Administration	Female
Ms.	Allily	Miriam	Lecturer	Finance	Female
Ms.	El-Nakla	Darin	Lecturer	MIS	Female
Ms.	Frangie	Olga	Lecturer	Accounting	Female
Ms.	Hassan	Riham	Lecturer	Finance	Female
Ms.	Kohli	Amrita	Lecturer	Accounting	Female
Ms.	Lucien	Nadia	Lecturer	Business Administration	Female
Ms.	Subramaniam	Kumarashvari	Lecturer	Business Administration	Female

ACTIVITY HIGHLIGHTS

PUBLICATIONS

The year 2015 was again characterized by a productive research effort, with an output matching that of the previous years. In total, COBA faculty had 15 journal articles printed or accepted for publication. In addition, five chapters were published in books and seven papers were presented at academic conferences. As PMU and COBA continue to establish research support structures and reward structures that allow and motivate faculty to place an increased focus on these type of scholarly activities, the research output is expected to rise over the next few years. The table below provides an overview of the printed and accepted publications:

JOURNALS		
Al Jafari, Mohamed	Determinants of Economic Growth in the Kingdom of Saudi Arabia: An Application of Autoregressive Distributed Lag Model	Applied Economics and Finance, 3 (1), 83-92.
Chowdhury, Shah	Stock return autocorrelation, day of the week and volatility: An empirical investigation on the Saudi Arabian stock market	Review of Accounting and Finance, Emeralds Publication, UK, Vol. 16 (2), forthcoming in 2017
Elhaj, Malik Chowdhury, Shah	Seasonality of Cross-sectional Return Volatility in the Jordan Stock Market	Universal Journal of Accounting and Finance, Vol. 4, No. 5, Forthcoming
Elhaj, Malik	Factors Affecting Successful Foreign Business Extension by Saudi firms	South East Asian Journal of Contemporary Business, Economic and Law, 9(2), 63-80

Gizelis, Demetris Chowdhury, Shah	Investor Sentiment and Stock Returns: Evidence from the Athens Stock Exchange	International Research Journal of Applied Finance, Vol. VII, Issue – 7, July 2016
Hinck, Wolfgang	25 Years after the Berlin Wall: An Empirical Revisit of Western German Consumer Attitudes Towards Products from Former East Germany	Journal of Promotion Management (in print)
Hossain, Muhammad	Towards developing a business performance management model using causal latent semantic analysis	International Journal of Business Performance Management, 17 (2), 161-183
Kuforiji, John	Scientific Method of Research in Social and Human Sciences: The Practical Steps	National Social Sciences Association Journal (accepted)
Kuforiji, John	Greece Financial Crisis: The Genesis, Implications, and Policy Options	Academy of Business Research Journal (accepted)
L’Huillier, Barbara	Ethics, Globalization and the Role Educators Play	Journal of Education (accepted)
L’Huillier, Barbara	Has Globalization Failed to Alleviate Poverty in Sub-Saharan Africa?	Poverty & Public Policy. Vol. 8, No. 4, pp. 368-386.
L’Huillier, Barbara	Competency Based Education (CBE): Baby Steps for the United States	Academy of Business Research Journal. 1, 97-113.
L’Huillier, Barbara	A Net Stable Funding Ratio for Islamic Banks and its Impact on Financial Stability: an International Investigation	Journal of Financial Stability. 25, 47-57.
McNally, Beverley	Importance of fostering alignment to ensure sustainable nation building: The role of HRD in large Palestinian organizations	
Saleh, Malik	Implementing enterprise resource planning in Saudi Arabia	Journal for Global Business Advancement 9 (3), 299-315

BOOKS and BOOK CHAPTERS		
Alyani, Nader	Interprofessional learning and judgement in digital-entrepreneurial skill webs: pragmatic glances from the creative sector projects in the Gulf	Vocational Education and Training in Times of Economic Crisis: Lessons from Around the World, edited by Matthias Pilz; Springer Science+Business BV (forthcoming)
Alyani, Nader	Diversification and specialisation in the Gulf's digitised creative sectors: Strategic sectoral learning for new employment-generating growth paths	Economic Diversification Challenges: Strategic Planning, Policy-making and Implementation in the Gulf Region, Palgrave MacMillan, Basingstoke, UK (forthcoming)
Kuforiji, John	Essentials of Islamic Banking, Finance, and Capital Markets	Lexington Books, Lanham, MD (accepted)
McNally, Beverly	The role of context and institution in supporting entrepreneurship in Palestine and Saudi Arabia	Women's Entrepreneurship: Going beyond the Gender-Neutral Approach: Routledge – Taylor & Francis Publishing.
McNally, Beverly	The role of leadership style and ineffective communication in creating conflict and tension in a higher education institution	In Normore, A, Javidi, M. & Long, L. (eds.) Handbook of Effective Communication, Leadership and Conflict Resolution. IGI Global. Hershey, PA.

CONFERENCES		
Hinck, Wolfgang	THE CONTINUOUS EFFECTS OF DOMESTIC ANIMOSITY ON COMPETITION IN GERMANY	15th International Conference on Sustainability and Competitiveness in Business, Amman, Jordan, April 18-20.
Kuforiji, John	GREECE FINANCIAL CRISIS: THE GENESIS, IMPLICATIONS, AND POLICY OPTIONS	2016 World Finance Conference, Dubai, UAE; Dec. 14-15, 2016
L'Huillier, Barbara	The impact of regulations on financial stability: The case of Islamic banks	Islamic Finance, Banking & Business Ethics Global Conference (IFBBE) 2016, Lahore, Pakistan
L'Huillier, Barbara	Ethics, Globalization and the Role Educators Play.	14th Annual International Conference on Accounting, Athens, Greece; July 4-7, 2016
L'Huillier, Barbara	Has Globalization Failed to Alleviate Poverty in Sub-Saharan Africa?	WEI International European Academic Conference on Business & Economics, Rome, Italy, November 14-16, 2016

Rafiq, Muhammad	Utilization Of Cloud Computing Services In Developing Knowledge Management Systems For Private Higher Education Institutes	International Academic Conference, Business & Economics Education & Social Sciences, New York, USA, 22-25 May 2016
Sefiani, Yassine	Enhancing Supply Chain Agility by Deploying Competence Management and the Supply Chain Operations Model	World Academy of Science, Engineering and Technology, International Journal of Social, Behavioral, Educational, Economic, Business and Industrial Engineering, 10 (6), 2195-2198

OTHER ACTIVITY HIGHLIGHTS

In response to the increasing number of students enrolling in COBA business degree programs and due to the departure of a few faculty and an administrator (Chair of the Accounting & Finance Department), recruitment efforts continued to be a priority activity in 2016. As a result, 20 new faculty were hired, of whom 11 began their assignment.

A second focus was the completion of the 2017-2021 College of Business Strategic Plan. Based on a comprehensive analysis, the following seven goals were identified, each including detailed initiatives, action steps, KPIs, and budget effects:

GOAL 1: COBA will optimize returns from its strategic asset HR by creating and maintaining an environment that facilitates the successful recruitment and retention of qualified faculty and administrators; that is conducive to the performance of each individual College member; and that adequately rewards their efforts.

GOAL 2: COBA will establish itself as one of the leading Saudi business schools by offering high-quality business programs that meet the labor-market needs of the Kingdom of Saudi Arabia as articulated in Vision 2030, and that produce highly educated students who possess the comprehensive knowledge and soft skills needed for long-lasting, successful professional business careers.

GOAL 3: COBA will commit to a process of continuous improvement to demonstrate high academic quality and adherence with international standards as articulated by targeted globally significant accreditation agencies, and will develop an academic brand that earns international recognition.

GOAL 4: COBA will 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 non-monetary means.

GOAL 5: COBA will provide a supportive and challenging environment to develop high-quality students who are committed to their academic and professional careers and who display the character qualities and personal and professional traits desired by COBA, by potential employers, and by society at large.

GOAL 6: COBA will endeavor to maintain or obtain degrees of decision-making authority, financial autonomy, and general independence from the overall institution that are comparable to successful, accredited benchmark business schools around the world.

GOAL 7: COBA will actively demonstrate its dedication to building strong relationships with local communities; its commitment to productively engage in current and emerging social responsibility and sustainability issues; and its belief in the importance of global connectedness as it relates to business and business education.

Another focus continued to be on activities involving students outside of the classroom. Faculty continued to work with student societies in their discipline, to promoting the link between students and professionals in the respective areas of concentration. Several guest-speaker presentations and workshops focusing on entrepreneurship were conducted in cooperation with Saudi Aramco. The off-campus workshops, attended by up to 80 female or male students at a time, featured a variety of activities designed to inspire students to envision themselves as future business leaders and to give them an opportunity to work in teams to produce “mock” business plans that were presented before a professional panel.

The improvement of academic advising also remained a continued focus of COBA. Advising is a collaborative educational process whereby students and their advisors are partners in meeting the essential learning outcomes, ensuring student academic success, and outlining the steps for achievement of the students’ personal, academic, and career goals. This advisor/student partnership requires participation and involvement of both the advisor and the student as it is built over the student’s entire educational experience at PMU. Both the student and the advisor have clear predefined responsibilities for ensuring that the advising partnership is successful. COBA faculty and administrators conducted thorough academic and career advisement sessions with their students, with special attention paid to College and University guidelines.

COBA, in collaboration with other PMU colleges, also continued to build a relationships with a high-caliber group of stakeholders in the wider area of Energy Management who – taken together – have ideas and resources to invest. The main participants in this collaboration were: (1) the Technical University of Munich (TUM), a leading German research university and member of TU9, the society of the largest and most notable German institutes of technology, represented by Dr. Dr. h.c. mult. Wolfgang A. Herrmann, President of the University; (2) Saudi Aramco Office of Energy Ventures, the corporate venturing subsidiary of Saudi Aramco, focused on investing globally in promising ventures that are of strategic interest to Aramco and the Kingdom, represented by Mr. Nabil Al-Khowaiter, Director; (3) Saudi Aramco

Entrepreneurship Center – focused on supporting Saudi-based entrepreneurs and SMEs with loans and venture capital, represented by Mr. Sami Khursani, Managing Director; (4) DAFG German Arab Friendship Association, a Berlin-based organization advocating understanding, trust, and cooperation between Germany and the Arab World in a wide range of fields including business, culture, science, and education; the ambassadors to Germany of most Arab nations are members of the board, represented by Dr. Otto Wiesheu, President and former Bavarian Minister of State for Industry, Commerce and Technology, and Mr. Bjoern Hinrichs, Managing Director; and DESERTEC Foundation, a non-profit organization that promotes clean power from deserts worldwide, founded by the German Association of the Club of Rome and members of the TREC renewable-energy network of scientists, and represented by Mr. Robert Flaechsig, Board Member and Chief Economic Advisor to HRH Prince Abdulilah Bin Abdulaziz Al Saud (whose son is also on the Board of DAFG). The efforts continued to focus on creating a platform and shaping a wider partnership related to Energy Management, Energy Economics, and Energy Entrepreneurship, with a strong connection to technology and engineering. Dr. Wolfgang Hinck, Dean of Business, was a member of a PMU delegation that visited with the President of TUM and the President of DAFG in Munich.

Several COBA faculty also submitted proposals during the second phase of the internal grant proposal calls, and several faculty forums for continuous improvement were offered by COBA faculty members. Additionally, COBA continued to work on activities related to the accreditation of their programs. In cooperation with the Deanship of Quality and Accreditation, progress efforts were made to achieve NCAAA (National Commission for Assessment and Academic Accreditation) and AACSB (Association to Advance Collegiate Schools of Business) accreditation in the future.

OUTLOOK

The future outlook of the College of Business Administration at Prince Mohammad bin Fahd University remains exceptionally bright. With a stable and experienced administrative top leader in place, COBA has begun developing and implementing strategies that will secure its rank among the most-recognized business schools in the Kingdom of Saudi Arabia and beyond. The high-profile collaboration with the Technical University of Munich and the launch of the MBA program in 2016 continued to provide COBA with more opportunities for achievement, as will attracting research-oriented faculty. In accordance with its motto “Making History. Building Leaders”, COBA is expected to play a central role in the business and leadership education in this region.

The above is also supported by the new strategic plan that will allow COBA to act on its commitment to contribute a major part to the successful realization of Vision 2030 and to the bright future of the Kingdom of Saudi Arabia and its citizens. By outlining seven goals and corresponding initiatives that build on existing strengths and that provide adequate responses to the challenges and opportunities ahead, it provides major directions and concrete measures to fulfill COBA's promise of commitment over the next five years. By implementing the plan, COBA will optimize HR returns and create an environment that is more conducive to performance and retention; it will focus on the quality of existing and future

programs to ensure that PMU meets the labor-market needs of the Kingdom, and it will allow COBA to complete the necessary steps to earn national and international accreditations to improve the global PMU and COBA brands. Furthermore, COBA will create an infrastructure and system that will increase the output of quality research generated by COBA faculty, and will improve the academic, professional, and personal qualities of its students. Finally, the plan will allow COBA to increase its autonomy and decision-making authority, and to act upon its commitment to connect with the local and global community, and to actively engage in social responsibility and sustainability initiatives.

COBA is committed to exerting its strongest efforts to ensure the plan's accomplishment for the well-being of its students and personnel, of its external stakeholders, and of the Kingdom of Saudi Arabia and its citizens. Over the past decade, PMU and COBA have proven to be outstanding forces in higher education, and with the design of the strategic plan, COBA has positioned itself to achieve even more during the institution's second decade than its first.

2.2.3 COLLEGE OF COMPUTER ENGINEERING & SCIENCE

COLLEGE 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, and Computer Engineering at the undergraduate level.

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:

- Contribute to advancement of human intelligence and to the promulgation and development of knowledge and understanding in the Information Technology domain.
- Prepare professionals in Information Technology and Computer Science and Engineering, through

the utilization of innovative educational processes, in a modern technological environment.

- Transform the graduate to play a pioneering and leading role in the community, enabling him or her to take responsibilities and contribute to solving problems through innovative thinking, collective work, reflection, and self-development.
- Link academic programs and specializations with actual requirements of the surrounding work environment. This will be achieved by maintaining effective partnerships between the university and local business and industry.
- Guide research activities to create solutions for persistent problems in surrounding communities through applied research and technical consultation. The importance of performing basic scientific research for enriching human intelligence should not be neglected.
- Provide community service through continuous training and education.

OVERVIEW OF ACADEMIC PROGRAMS

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY

This degree program will provide appropriate professional preparation for students working toward careers in Information Technology department supporting the management and administration of information systems in commercial and public organizations.

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

This degree program will provide appropriate professional preparation for students working toward careers in software engineering, network administration and database administration for both commercial and public organizations. This program also will offer excellent preparation for students intending to study at the advanced degree level.

BACHELOR OF SCIENCE IN COMPUTER ENGINEERING

This degree program will provide appropriate professional preparation for students working toward careers in hardware and network design, and systems integration. This program will offer excellent preparation for students intending to study at the advanced degree level.

COLLEGE ADMINISTRATION

The College of Computer Engineering & Science fall under the authority of the Vice Rector of Academic Affairs and is administered by the Dean of the College of Computer Engineering & Science.

Responsibility and authority for the daily operation of the college's three degree programs will lie in its three departments: the Department of Information Technology, the Department of Computer Science and the Department Engineering.

The Department of Information Technology will be responsible for the operation, administration and management of the degree program, including degree-specific and elective requirements, for the Bachelor of Science in Information Technology. It also will administer the general IT (GEIT) courses that are required of all students in the college.

The Department of Computer Engineering will be responsible for the operation, administration and management of the degree programs, including degree-specific and elective requirements, for the Bachelor of Science in Computer Engineering.

The Department of Computer Science will be responsible for the operation, administration and management of the degree programs, including degree-specific and elective requirements, for the Bachelor of Science in Computer Sciences.

DEPARTMENTAL ADMINISTRATION

In each department, a Chair oversees instruction of male students and an Associate Chair will oversee instruction of female students.

DEPARTMENTAL RESPONSIBILITIES

The departments within the College of Computer Engineering & Science are responsible for:

- Appropriate 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.
- Tutoring and remediation: In cooperation with the PMU Learning Resources Center, the faculty of the college will create tutoring and supplementary instructional programs to assist students who need extra assistance with academic programs or study skills. (A detailed discussion of such offerings and the organization that will provide them is provided in the report Learning Resources Center.)
- Maintenance and development of the curriculum: The department will manage continuous curriculum review and improvement. This function will be primarily the responsibility of the professorial faculty.
- Provision of course materials to students: Each student should be provided with all course materials by the program administration. These materials will include: textbooks, cases, articles, and in general any readings that the students are expected to prepare. Providing these materials will ensure that all students will receive the same material, will protect the copyrights of the material, and will be an added benefit to the students.
- Maintaining the class calendar: The calendar for each class of entering students will be published and followed from the first day of each academic semester. This calendar will show class meeting dates. It also will let students know in advance the dates for which they must prepare materials.
- Evaluation of faculty: The department will be responsible for the implementation of PMU policies and procedures for the evaluation of faculty. Each department will be responsible for providing appropriate data and information to the College of Computer Engineering & Science and to the university as required.

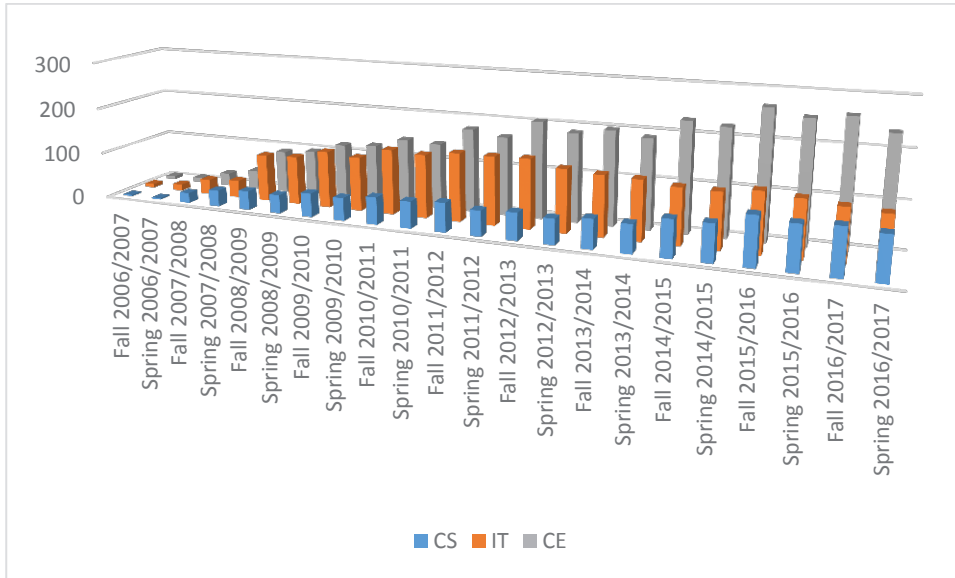
STUDENT ENROLLMENT STATISTICS & ACHIEVEMENTS

ENROLLMENT BY PROGRAM

		Academic Year 2016/2017			
College	Major	Fall Semester 2016/2017		Spring Semester 2016/2017	
		M	F	M	F
	IT	45	66	48	58
	Computer Science	34	64	31	61
	Computer Engineering	58	204	48	188
	TOTAL	137	334	127	307
	TOTAL PER SEMESTER	471		434	

CCES ENROLLMENT GROWTH FROM 2006 TO 2016 – GENDER NON-SPECIFIC

Major	CS	IT	CE	Total
Fall 2006/2007	3	8	7	18
Spring 2006/2007	3	14	10	27
Fall 2007/2008	22	32	27	81
Spring 2007/2008	35	37	40	112
Fall 2008/2009	41	101	91	233
Spring 2008/2009	40	104	98	242
Fall 2009/2010	51	122	119	292
Spring 2009/2010	49	116	124	289
Fall 2010/2011	58	139	143	340
Spring 2010/2011	57	135	140	332
Fall 2011/2012	62	145	178	385
Spring 2011/2012	54	145	167	366
Fall 2012/2013	58	147	206	411
Spring 2012/2013	54	133	188	375
Fall 2013/2014	62	128	200	390
Spring 2013/2014	60	126	190	376
Fall 2014/2015	78	118	231	427
Spring 2014/2015	78	117	224	419
Fall 2015/2016	102	126	268	496
Spring 2015/2016	94	119	253	466
Fall 2016/2017	98	111	262	471
Spring 2016/2017	92	106	236	434

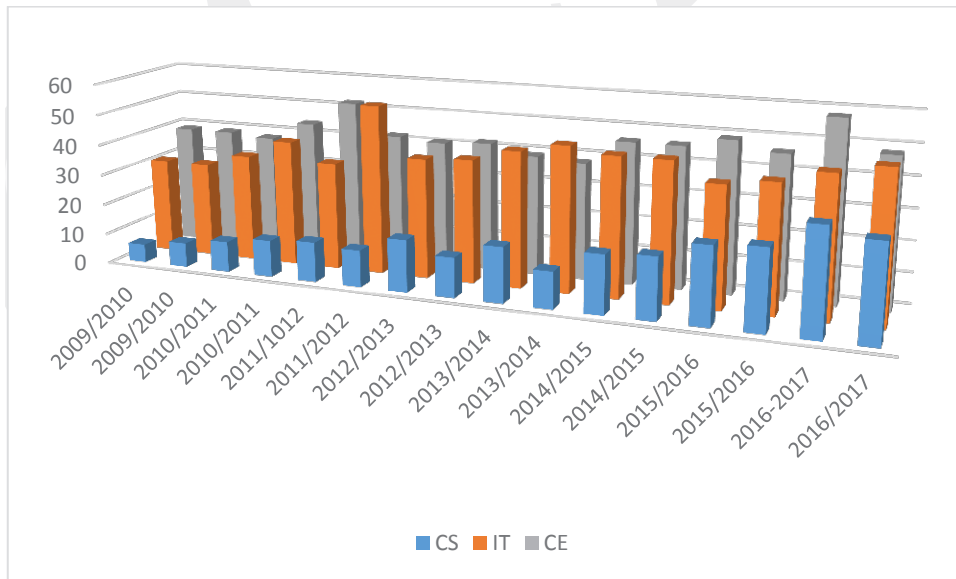


ENROLLMENT - GENDER DIVISION

NEW STUDENTS BY MAJOR/GENDER

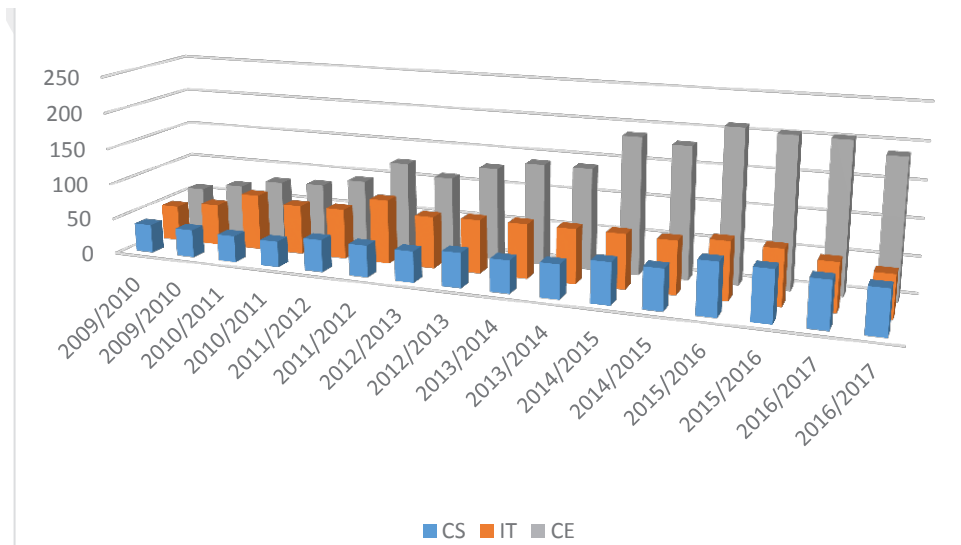
- Male Enrollment

Semester	Major	CS	IT	CE	Total
Fall	2009/2010	6	31	39	76
Spring	2009/2010	8	31	39	78
Fall	2010/2011	10	35	38	83
Spring	2010/2011	12	41	44	97
Fall	2011/1012	13	35	52	100
Spring	2011/2012	12	55	42	109
Fall	2012/2013	17	39	41	97
Spring	2012/2013	13	40	42	95
Fall	2013/2014	18	44	39	101
Spring	2013/2014	12	47	38	97
Fall	2014/2015	19	45	46	110
Spring	2014/2015	20	45	46	147
Fall	2015/2016	25	39	49	113
Spring	2015/2016	26	41	46	113
Fall	2016-2017	34	45	58	137
Spring	2016/2017	31	48	48	127



- Female Enrollment

Semester	Major	CS	IT	CE	Total
Fall	2009/2010	40	50	60	76
Spring	2009/2010	39	58	70	78
Fall	2010/2011	37	78	81	83
Spring	2010/2011	36	69	83	97
Fall	2011/2012	45	70	94	100
Spring	2011/2012	44	89	125	109
Fall	2012/2013	43	72	110	97
Spring	2012/2013	48	74	129	95
Fall	2013/2014	45	75	140	101
Spring	2013/2014	47	75	140	262
Fall	2014/2015	57	75	188	320
Spring	2014/2015	56	73	181	310
Fall	2015/2016	72	79	210	361
Spring	2015/2016	70	76	205	351
Fall	2016/2017	64	66	204	334
Spring	2016/2017	61	58	188	307

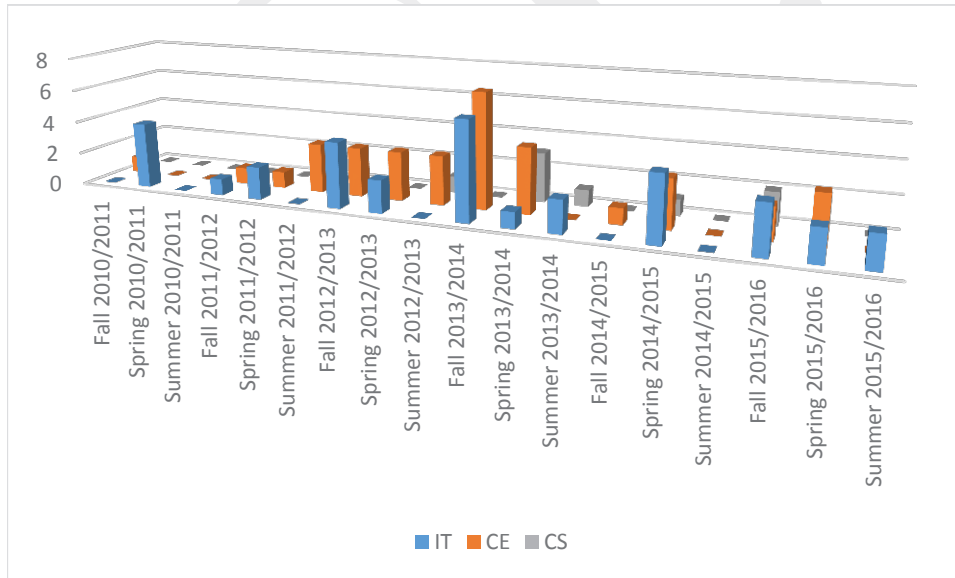


TOTAL NUMBER OF GRADUATED STUDENTS

Total Number of Graduate Students up to Fall 2015/2016

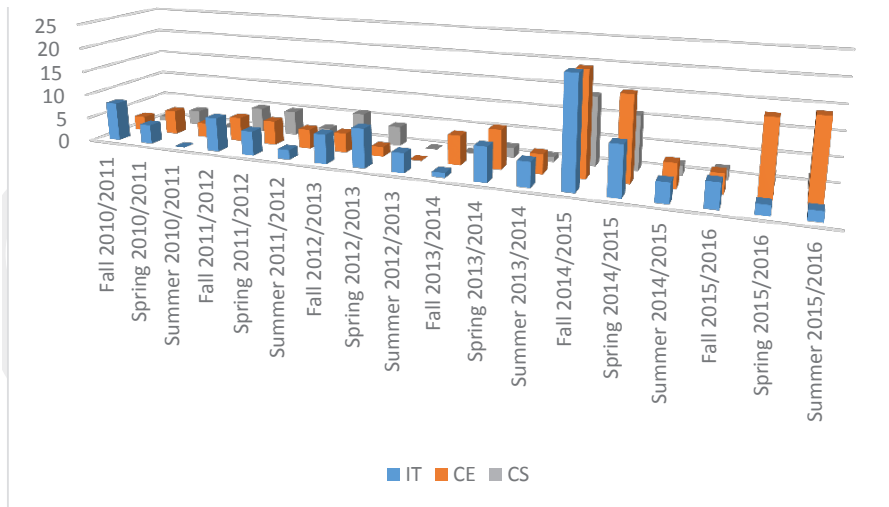
- Graduates - Male

Major	IT	CE	CS	Total
Fall 2010/2011	0	1	0	78
Spring 2010/2011	4	0	0	
Summer 2010/2011	0	0	0	
Fall 2011/2012	1	1	0	
Spring 2011/2012	2	1	0	
Summer 2011/2012	0	3	0	
Fall 2012/2013	4	3	0	
Spring 2012/2013	2	3	0	
Summer 2012/2013	0	3	1	
Fall 2013/2014	6	7	0	
Spring 2013/2014	1	4	3	
Summer 2013/2014	2	0	1	
Fall 2014/2015	0	1	0	
Spring 2014/2015	4	3	1	
Summer 2014/2015	0	0	0	
Fall 2015/2016	3	2	2	
Spring 2015/2016	2	3	2	
Summer 2015/2016	2	0	0	
Total	33	35	10	



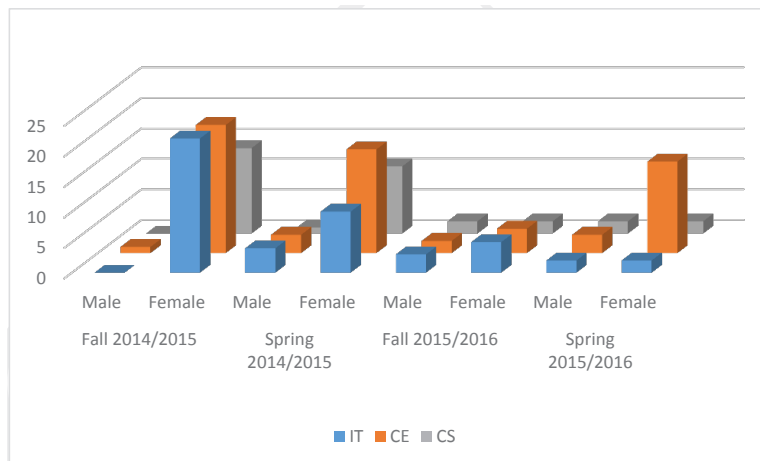
- Graduates - Female

Major	IT	CE	CS	Total	
Fall 2010/2011	8	3	1		
Spring 2010/2011	4	5	3		
Summer 2010/2011	0	3	0		
Fall 2011/2012	7	5	5		
Spring 2011/2012	5	5	5		
Summer 2011/2012	2	4	2		
Fall 2012/2013	6	4	6		
Spring 2012/2013	8	2	4		
Summer 2012/2013	4	0	0		
Fall 2013/2014	1	6	0		
Spring 2013/2014	7	8	2		
Summer 2013/2014	5	4	1		
Fall 2014/2015	22	21	14		
Spring 2014/2015	10	17	11		
Summer 2014/2015	4	5	2		
Fall 2015/2016	5	4	2		
Spring 2015/2016	2	15	2		
Summer 2015/2016	2	16	2		
Total	102	127	62		291



TOTAL NUMBER OF GRADUATE STUDENTS ACADEMIC YEAR 2014/2015

Major		IT	CE	CS	Total
Fall 2014/2015	Male	0	1	0	
	Female	22	21	14	
Spring 2014/2015	Male	4	3	1	
	Female	10	17	11	
Fall 2015/2016	Male	3	2	2	
	Female	5	4	2	
Spring 2015/2016	Male	2	3	2	
	Female	2	15	2	
Total MALE		9	9	5	
Total FEMALE		39	57	29	125



OBSERVATIONS & COMMENTS

In comparison with the actual number of students and the numbers predicted by TIEC. The following observations can be seen:

- Our enrollment has gone beyond 550 students (incl. Prep students who have selected CCES as major college)
- Enrollment of Students in the male campus for the Majors of Computer Engineering and Information Technology is higher than Computer Science; the opposite was predicted by TIEC.
- Enrollment of Students in the female campus for the Major of Computer Engineering is higher than Computer Science and Information Technology, the opposite was predicted by TIEC.
- The number of Students enrolled in all Majors on the Male campus has not increase for the last two years, which is worrying and should be looked at by the college administration in consultation with Admission office
- The number of students enrolled in the female campus has increased in the last two years, mainly for the Computer Engineering Major.

ACHIEVEMENTS & CLUBS

ACM Female Student Chapter

In December 2012 started operations the ACM female student chapter at PMU. At the present the chapter has 64 student members and 1 professional member. During the 2016 the following activities were carried out:

On-Campus Events

1. ACM-W, PMU Student Chapter, Female Campus, Women in IT (Spring 2016): The ACM-W student chapter organized an event to attract new students to join the college of computer science and engineering and encourage current students continue in the college. The event had two main parts; lectures and competitions. Where inspiring people from our university got to share their experiences and inspire the students. And as for the competitions there were three different programming competitions for three different levels.
2. ACM-W, PMU Student Chapter, Female Campus, National Day (Spring 2016): ACM-W chapter celebrated the national day on campus with the students. Celebrating the Saudi traditions.
3. ACM-W, PMU Student Chapter, Female Campus, Sign Up (Spring 2016): ACM-W student chapter organized an event to welcome the new students and encourage them to be a part of the ACM-W student chapter.
4. ACM-W, PMU Student Chapter, Female Campus, Building a PC (Fall 2016): The ACM-W student chapter is meeting weekly with the students to hand pick PC parts to learn and enhance the engineering skills of the students.
5. ACM-W, PMU Student Chapter, Female Campus, Pink Day (Fall 2016): ACM-W Chapter celebrated the Pink Day for the breast cancer awareness month by making a huge human ribbon.

Off-Campus Events

1. ACM-W, PMU Student Chapter, Female Campus, IEEE Extreme Programming Competition (Fall 2016): ACM-W Chapter joined the 24 hour programming competition organized by IEEE. Three students have completed the IEEE extreme programming competition.
2. ACM-W, PMU Student Chapter, Female Campus, CS Summit (Spring 2016): Attended the CS Summit at Al-Jubail University with a team of 16 students. And won the grand championship.

IEEE, PMU Chapter, Female Section

The introduction of the IEEE, Student Chapter at Prince Muhammad bin Fahd University, Female Campus in spring 2012 marks a new beginning for the institute as it is the first Female Campus in the Eastern Region to successfully open up.

ACTIVITIES, EVENTS AND PROGRAMS

On-Campus Events

1. IEEE, PMU Student Chapter, Female Campus, pink day (fall 2016): IEEE Chapter has contributed to the breast cancer awareness month by displaying a booth with many activities to attract the students to gather and have fun
2. IEEE, PMU Student Chapter, Female Campus, Light It Up (Fall 2016): Light it Up was a sign up booth to attract engineering students to sign up and become members of the IEEE chapter.
3. IEEE, PMU Student Chapter, Female Campus, Arduino System (fall 2016): The IEEE chapter meets with students to educate them and help them learn about the Arduino system, its uses and how to program using it.

OFF-CAMPUS EVENTS

IEEE IAS event, Fall 2016 seminar held in (Movenpick, Dhahran)

FACULTY

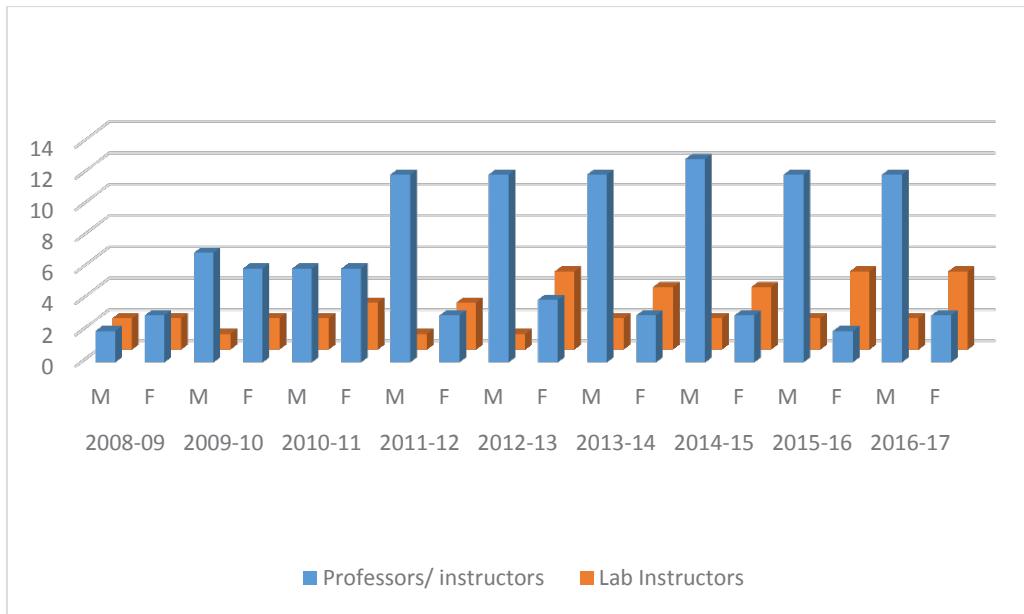
CURRENT FACULTY:

CCES - Faculty Listing (Fall 2016/2017)					
S/N	Faculty Name	Rank	Qualifications	Specialization	Nationality
1	Dr. Ammar Elhassan	Assistant Professor, Acting DEAN	PHD	Computer Science and IT	British
2	Dr. Loay Alzubaidi	Assistant Professor, CHAIR CS & CE	PHD	Computer Science and Engineering	Austrian
3	Dr. Ghassen Ben Brahim	Assistant Professor, CHAIR IT	PHD	IT	American
4	Dr. Jaafar Alghazo	Assistant Professor	PHD	Computer Engineering	American
5	Dr. Shahabuddin Muhammad	Assistant Professor	PHD	Computer Science	Pakistani
6	Dr. Marius Nagy	Assistant Professor	PHD	Computer Science	Canadian
7	Dr. Nazeeruddin Mohammad	Assistant Professor	PHD	Computer Science	Australian
8	Dr. Majid Khan	Assistant Professor	PHD	IT	Pakistani
9	Dr. Abul Bashar	Assistant Professor	PHD	Computing & Infor- mation Engineering	Indian
10	Dr. Ilyes Jenhani	Assistant Professor	PHD	IT	Tunisian
11	Mr. Zafar Kazimi	Instructor	MSc	IT	Indian
12	Mr. Khaled Fawagreh	Instructor	MSc	IT	Canadian
13	Mr. Mohammad Zikria	Lab Instructor	MSc	Computer Science	Indian
14	Mr. Ghazanfar Latif	Lab Instructor	MSc	IT	Pakistani
15	Dr. Sawsan AlHala- wani	Assistant professor	PHD	Computer Science	Jordanian
16	Ms. Wesal Ali	Instructor	MSc	IT	British
17	Ms. Bdoor Bent Al-Harbi	Lab Instructor	BSc	IT	Saudi

18	Ms. Erum Tanveer	Lab Instructor	MSc	Computer Engineering	Pakistani
19	Ms. Irum Nehvi	Instructor	MSc	IT	Indian
20	Ms. Roxane Mallouhy	Lab Instructor	MSc	IT	Lebanese
21	Ms. Eman Jaradat	Lab Instructor	MSc	Computer Engineering	Jordanian
22	Ms. Charmaine Cruz	Lab Technician	MSc	Computer Engineering	Filipino

FACULTY GROWTH

Number of Faculty		Professors/ instructors	Lab Instructors	Total
2008-09	M	2	2	5
	F	3	2	6
	Total	5	4	11
2009-10	M	7	1	8
	F	6	2	9
	Total	13	3	17
2010-11	M	6	2	8
	F	6	3	9
	Total	12	5	17
2011-12	M	12	1	13
	F	3	3	6
	Total	15	4	19
2012-13	M	12	1	13
	F	4	5	9
	Total	16	6	22
2013-14	M	12	2	14
	F	3	4	7
	Total	15	6	21
2014-15	M	13	2	15
	F	3	4	7
	Total	16	6	22
2015-16	M	12	2	14
	F	2	5	7
	Total	14	7	21
2016-17	M	12	2	14
	F	3	5	8
	Total	15	7	22



LABS

In this period one new lab was put in operation, the Mobile Application development lab in fall 2013. The CCSE has 8 operational labs in each of the campus. We are also in the process of procuring two Mobile Device Lab sets for Raspberry Pi and Arduino, these will not have a dedicated room but will be available for many courses as well as Senior Design projects with the aim of capping costs for student projects.

Table 7.1 Number of Labs

College of CCES	Male campus	Female campus
Digital Lab*	1	1
Electronics Lab*	1	1
Circuits Lab*	1	1
Sun Lab	1	1
Network Lab	1	2
Programming Lab	1	2
Cisco Academy	1	1
Mobile App Development Lab	1	1
General Purpose Lab	1	1
Senior Design Lab	1	1
Diploma Web Development Lab	1	0

* The male campus hardware labs are shared with EE

CURRICULUM

We are now starting to prepare for the second round of curriculum reviews to be conducted in collaboration with our TIEC partners who are scheduled to visit in the next 4 months. This review will be based on our latest accreditation efforts (see ABET below). It is anticipated that this will result in an incremental review rather than a fundamental restructuring of the 3 study plans CS, CE and IT. The changes from the 2012/13 cycle of curriculum development are already approved and implemented in Banner. The documents necessary to notify MOE of the amendments are already submitted to the relevant offices within PMU and we are expecting our first cohort of graduates on the revised plans to graduate at the end of Spring 2016.

We are hoping to obtain support for a proposed degree in Mobile Computing and Cyber Security, which will be designed in collaboration with the King Salman Endowed Chair for Information Security as well. This will help CCES satisfy the increasing local and regional demand in the field of Information Security especially in view of recent communications from our main stakeholders, particularly Saudi Aramco.

ACCREDITATION

ABET

Since our last Annual Report (2016) the Information Technology program has completed all the requirements of ABET in terms of addressing the identified weaknesses and the process was finalized in August 2016 with a full 6-year ABET for the IT program until 2022.

This academic year sees our application to ABET for the Computer Engineering program, the initial deadline for the draft SSR was January 2017 and we have already sent the SSR to Deanship of Quality, the next milestone is May 2017 which will be for the submission of a full (final) SSR for Computer Engineering.

(i) Criterion 3. STUDENT OUTCOMES, Actions Taken:

The set of actions taken consist of updating the following: (1) textbooks, (2) syllabi, (3) contents, (4) labs of all identified course. The next table summarizes, for each course the details of the actions taken. Along with this document, we are providing the 2 following support documents:

- The new textbooks Vice Rector of Academic Affairs approval form as well as the textbooks purchase order.
- The details syllabus of each course identified by the CAC team.

(ii) Criterion 5. Curriculum, Actions Taken:

The actions taken to correct weakness (i) are valid for weakness (ii)

(iii) Criterion 8. Institutional Support, Actions Taken:

- a. CCES faculty (PhD and MSc holders) will be able to attend a conference annually with or without an accepted scholarly paper.

- b. CCES faculty, instructors and Academic Staff including Lab Instructors and Technicians will be able to attend annually one training, workshop or certification program.
- c. CCES faculty including instructors will be able to register in a professional organization such as ACM and IEEE with the registration fees covered by PMU.

Our initial response report (available separately) was sent to ABET in early February and the follow-up report is due in May, this is being compiled at the time of writing of this Annual_Report_2015_16.

NCAAA

As per the latest guidelines from PMU an DQA the NCAAA for programs will start with the College of Business and then other colleges will apply, while we complete our ABET application process. When that phase is triggered we will modify our old SSR documents which are over 70% ready due to previous NCAAA applications as well as the ABET process.

- (i) Course Reports – All Programs
- (ii) Course Specifications – All Programs
- (iii) Program Specification:
 - a. CS-Program Specification (New Format 2014)
 - b. CE-Program Specification (old format)
 - c. IT-Program Specification (old format)
- (iv) Periodic Program Self Study
- (v) CS - Periodic Program Self Study (old format)
- (vi) CE - Periodic Program Self Study(old format)
- (vii) IT - Periodic Program Self Study(old format)
- (viii) Field Experience Specification – 1 for the college
- (ix) Field Experience Report – 1 for the college
- (x) Course Portfolio – All Programs

The Course Portfolio is a hard-copy report that is submitted per section by each faculty member for every taught course; this is submitted at the end of every semester and kept in the respective department for a period of 2 semesters. The contents of the Course Portfolio include:

- (i) Course syllabus
- (ii) Sample of the midterm exam (or first & second exam) and final exams
- (iii) Course assessment report (with rubrics)
- (iv) Three samples of the students answer for the midterm exam (the best , the worst and the middle)
- (v) The answer sheet of the final exam (for all students)
- (vi) Sample of the project (if exists)
- (vii) Sample of the assignment

- (viii) Course specification document
- (ix) Course description document
- (x) Grading sheet

ENDOWMENT CHAIRS

We now have only one endowment in the college; this is the King Salman bin AbdelAziz Endowment for Information Security

KING SALMAN ENDOWED CHAIR

The activities of this endowment are still as planned last year and some of the achievements for this year include participation in international conferences with at least two publications under the sponsorship of the endowment, these are listed below (and in the Faculty Research section above):

1. Security Threat Analysis and Prevention Techniques in Electronic Waste
Conference Paper · November 2016
Conference: 6th International Conference on Solid Waste Management, At kolkata, india

2. Electronic Waste Management and security in GCC Countries: A Growing Challenge
Conference Paper · October 2016
Conference: 2nd ICIEM 2016, International Conference on Integrated Environmental Management for Sustainable Development, At Sousse Tunisia

In addition, the Arabic language guide to mission and functions booklet that also lists the endowment achievements is now available from the Public Relations and Media department.

Although in the first year and a half of this endowment, the activities were conducted as collaborative works with the Aramco Endowment for Technology and Information Management. PMU Management has recently put a faculty member as supervisor for the Endowment who will collaborate with the Dean of CCES to achieve an ambitious action plan.

The objective of the King Salman chair in information Security is to establish a Center of Excellence in Information Security. The Chair seeks to establish a Center of Excellence in Information Security that will address the challenges faced by businesses through the following objectives:

The objective of the King Salman chair in information Security is to establish a Center of Excellence in Information Security. The Chair seeks to establish a Center of Excellence in Information Security that will address the challenges faced by businesses through the following objectives:

1. Fosters academic growth and professional development of the faculty, students, and staff to further enhance the programs of the department, including recruitment of faculty.

2. Promote Information Security programs at the various research and extension centers and fosters interdisciplinary research, extension and teaching university-wide.
3. Must be committed to the diversity and breadth of research, teaching, and extension/outreach activities in the department countrywide, and must excel in the ability to effectively represent all aspects of the department.
4. Must be proficient in developing, overseeing, and managing budgets and resources efficiently, and is instrumental in building and strengthening relationships within the university and with commodity groups, professional organizations, and related stakeholders.
5. To enhance the University's role in the field of Information Security.
6. To provide expertise and consulting in relevant areas of INFORMATION SECURITY.
7. To support educational programs at the university in undergraduate and postgraduate INFORMATION SECURITY subjects with emphasis on:
 - 7.1 Information Security Governance.
 - 7.2 Data Networking.
 - 7.3 Computer Forensic Analysis.
 - 7.4 Web and Mobile Security.
 - 7.5 Reverse Engineering Malware.
 - 7.6 Security Leadership for Managers.
 - 7.7 Law and Ethical issues of Data Security.
 - 7.8 Encryption and Authentication Systems
8. Publish and edit a journal in the field of INFORMATION SECURITY.
9. Organize and chair an annual conference in the field of INFORMATION SECURITY.
10. To assist the university in developing its Technology and Information Management (INFORMATION SECURITY) academic curricula.
11. To provide a platform for universities and industry to disseminate and share knowledge in INFORMATION SECURITY.
12. Publish and edit annual conference proceedings.
13. Organize and teach workshops and seminars in the field of INFORMATION SECURITY.
14. To organize and conduct short courses on INFORMATION SECURITY.
15. To support educational programs at the university in undergraduate, postgraduate and professional certifications.
16. To establish a newsletter aimed at disseminating new trends and knowledge in INFORMATION SECURITY.

Some items on the proposed action plan:

S/N	Activities	2016
1	Workshops / Lectures on frontier Topics	2
2	National Seminars on leading edge Information Security , with International Company Participations or attending international seminars	2
3	Newsletters: These Newsletters carry very short and quick absorbing facts about the evolving technology for readers on the go.	2
4	Professional Certifications	1
5	Mentoring and supporting Faculty members	1
6	Conference & Journal paper	2
7	Consultancy Projects	1
8	Cooperation with international Researchers in producing Journal and Conference Papers	4
9	Translation Services	1
10	Establish a Diploma in Information Security	

RESEARCH

RESEARCH OUTPUT TO FEB 2016:

Updated research publications of CCES faculties. Conference and Journal publications of IT faculty:

Table 11.1 Conference Publications

Faculty Name	Published Papers	Year
Dr. Ammar El Hassan	Predictive Data Mining and Pattern Recognition in the Medical Sector: Implementation and Experience, Y. ansari, A. Elhasan, A. Shabbir, A. Kazim, WCCAIS'2014 IEEE World Congress On Computer Applications and Information Systems, 17-19 Jan 2014, Tunisia	2014
Dr. Ammar El Hassan	Graph-Coloring for Course Scheduling to Time-Room Slots - A Comparative Analysis Based on Course Selection Order, The Third International Conference on e-Technologies and Networks for Development (ICeND2014) Lebanese University - Beirut, April 29, to May 1, 2014	2014

Dr. Ammar El Hassan	A. Elhassan, Prince Sultan Bin Abdelaziz College for the Blind - A New Technology Driven Vision, 2nd International Conference on ICT: Serving Disabilities and Learning Difficulties (ICDD2014) 19-21 May 2014 - State of Kuwait, http://redsoft.org/icdd2014/panel.html	2014
Dr. Majid Ali Khan	M.A. Khan, S. Muhammad, T. Muhammad. Identifying Performance Issues Based on Method Invocation Patterns of an API. In Proceedings of 18th International Conference on Evaluation and Assessment in Software Engineering (EASE 2014), May 2014	2014
Dr. Nazeeruddin Mohammad	Nazeeruddin M., Dawood A., "The Market timing ability and return performance of Islamic equities: an empirical study", 16th Malaysian Finance Association Conference, Kuala Lumpur, Malaysia, 4-6 June 2014 (received best paper award).	2014
Dr. Ghassen Ben Brahim	Ralph Adaimy, Wassim El-Hajj, Ghassen Ben Brahim, Hazem Hajj, Haidar Safa, "A Framework for Secure Information: Flow Analysis in Web Applications", The 29th IEEE International Conference on Advanced Information Networking and Applications.(AINA-2015) Gwangju, Korea, March 25-27, 2015	2014
Dr. Marius Nagy	Marius Nagy and Naya Nagy, "General Quantum Encryption Scheme Based on Quantum Memory", Proceedings of the Second International Conference on the Theory and Practice of Natural Computing. TPNC 2013, Caceres, Spain, December 3-5, 2013. In: Adrian-Horia Dediu, Carlos Martin-Vide, Bianca Truthe and Miguel A. Vega-Rodriguez (Eds.), Lecture Notes in Computer Science 8273, Springer-Verlag, Berlin, 2013, pages 169-180	2014
Dr. Shahabuddin Muhammad	S. Mohammed, "Applying authentication tests to discover Man-In-The-Middle attack in security protocols", Eighth International Conference on Digital Information Management (ICDIM) 2013, Islamabad	2014
Dr. Loay Alzubaidi	Course Assessment Tool Using the Combination Approach, 2014, International Conference on Computer Science and Applications - WCECS 2014 (San Francisco - US), Alzubaidi L, Jabur I, Alzubaidi R	2014
Dr. Loay Alzubaidi	Computing of Coronary Sinus Pressure Performances - Best PICSO Approach, 2014, International Conference on Mathematical Methods, Mathematical Models and Simulation (Interlaken, Switzerland), Alzubaidi L	2014

Dr. Abul Bashar	A. Bashar, "Modeling and Simulation Frameworks for Cloud Computing Environment: A Critical Evaluation," in Proc. Of International Conference on Cloud Computing and Services Science (ICCCSS 2014), Los Angeles, USA, pp.1296-1301, 29-30 Sep., 2014.	2014
Dr. Abul Bashar	M. Rafiq, A. Bashar, A. Shaikh, "Innovative Trends in Knowledge Management: A Cloud Computing Perspective," in Proc. Of 1st Middle East Conference on Global Business, Economics, Finance and Banking (ME 14), Dubai, UAE, pp. 1-12, 10-12 Oct., 2014. (ISBN: 978-1-941505-16-8)	2014
Mr. Khaled Fawagreh	Fawagreh, Khaled, Mohamed Medhat Gaber, and Eyad Elyan. "Diversified Random Forests Using Random Subspaces." Intelligent Data Engineering and Automated Learning-IDEAL 2014. Springer International Publishing, 2014 85-92.	2014
Dr. Shahabbudin Muhammad	"A mining based approach for efficient enumeration of algebraic structures", accepted at the 2015 IEEE/ACM International Conference on Data Science and Advanced Analytics (DSAA'2015).	2015
Dr. Marius Nagy	Mona Mqbas, Haya Al-Dossary and Marius Nagy. " RFID Data Streams Processing Using Complex Event Processing To Enhance Students Performance". Proceedings of the 15th International Conference on Applied Computer Science (ACS '15). Konya, Turkey, May 20-22, 2015. In: Xiaodong Zhuang, Kerim Kocak and Klinis Ntalianis (Eds.), Recent researches in Applied Computer Science. Recent Advances in Computer Engineering Series 30. WSEAS PRESS, 2015. Pages 83-90.	2015
Dr. Marius Nagy	Naya Nagy, Marius Nagy, Yomna Al-Ibrahim, Zahra Almahfoudh and Alla Altalib. "Security Measures in a Keyless Quantum Communication Protocol". Proceedings of the 5th International Conference on e-Learning: Cognitively Informed Technology. Manama, Kingdom of Bahrain, October 2015.	2015
Dr. Marius Nagy	Naya Nagy, Marius Nagy and Selim G. Akl. "Communicating Secret Information Without Secret Messages in Wireless Sensor Networks". Proceedings of the 5th International Conference on e-Learning: Cognitively Informed Technology. Manama, Kingdom of Bahrain, October 2015.	2015
Dr. Abul Bashar	M. F. Ali, A. Bashar, A. Shah, "SmartCrowd: Novel Approach to Big Crowd Management using Mobile Cloud Computing," in Proc. Of International Conference on Cloud Computing (ICCC 2015), Riyadh, Saudi Arabia, 27-28 April, 2015)	2015

Dr. Abul Bashar	M.F. Ali, O. A. Batarfi, A. Bashar, "A Simulation-based Comparative Study of Cloud Datacenter Scalability, Robustness and Complexity," in Proc. Of 7th IEEE International Conference on Intelligent Computing and Information Systems (ICICIS 2015), Cairo, Egypt, 12-14 Dec., 2015 (Accepted for publication)	2015
Dr. Abul Bashar	A. Bashar, "Comparative Study of Tools and Techniques for Cloud Services QoS Performance Management," in Proc. Of 7th IEEE International Conference on Computational Intelligence and Communication Networks (CICN 2015), Jabalpur, India, 12-14 Dec., 2015. (Accepted for publication)	2015
Dr. Nazeeruddin Mohammad	M. Khan, N. Mohammad, S. Muhammed, A. Ali. "A mining based approach for efficient enumeration of algebraic structures", IEEE/ACM International Conference on Data Science and Advanced Analytics (DSAA '2015).	2015
Dr. Majid Ali Khan	M. Khan, N. Mohammad, S. Muhammed, A. Ali. "A mining based approach for efficient enumeration of algebraic structures", IEEE/ACM International Conference on Data Science and Advanced Analytics (DSAA '2015). (accepted for publication)	2015
Mr. Khaled Fawagreh	Fawagreh, Khaled, Mohamed Medhat Gaber, and Eyad Elyan. "CLUB-DRF: A Clustering Approach to Extreme Pruning of Random Forests", AI-2015 Thirty-fifth SGA International Conference on Artificial Intelligence. Cambridge, England 15-17 December 2015. Research and Development in Intelligent Systems XXXII. Springer International Publishing, 2015. 59-73	2015
Mr. Khaled Fawagreh	Fawagreh, Khaled, Mohamed medhat Gaber, and Eyad Elyan. "A Replicator Dynamics Approach to Collective Feature Engineering in Random Forests", AI-2015 Thirty-fifth SGA International Conference on Artificial Intelligence. Cambridge, England 15-17 December 2015. Research and Development in Intelligent Systems XXXII. Springer International Publishing, 2015. 25-41	2015
Dr. Ghassen Ben Brahim	Ralph Adaimy, Wassim El-Hajj, Ghassen Ben Brahim, Hazem Hajj, Haidar Safa, "A Framework for Secure Information: Flow Analysis in Web Applications", The 29th IEEE International Conference on Advanced Information Networking and Applications.(AINA-2015) Gwangju, Korea, March 25-27, 2015.	2015
Dr. Ghassen Ben Brahim	Wassim El-Hajj; Ghassen Ben Brahim; Haidar Safa and Maha Akkari. MOLSR: Mobile-Agent Based Optimized Link State Routing Protocol, IWCMC2015, Croatia	2015

Dr. Loay Alzubaidi	Course Assessment Tool Using Combination Approach, 2015, World Congress on Engineering and Computer Science 2015(San Francisco, USA) Loay Alzubaidi, Israa Jabur, Rihab Alzubaidi.	2015
Dr. Khaled Fawagreh	Fawagreh, Khaled, Mohamed Medhat Gaber, and Eyad Elyan. "An Outlier Ranking Tree Selection Approach to Extreme Pruning of Random Forests."International Conference on Engineering Applications of Neural Networks. Springer International Publishing, 2016	2016
Dr. Abul Bashar	M. Rafiq, A. Shaikh, A. Bashar, "Utilization Of Cloud Computing Services In Developing Knowledge Management Systems For Private Higher Education Institutes," in Proc. of International Academic Conference, Business & Economics Education & Social Sciences, New York, USA, pp. 280, 22-25 May, 2016.	2016
Dr. Ilyes Jenhani	Ilyes Jenhani, Ghassen Ben Brahim and Ammar ElHassan (2016) Course Learning Outcome Performance Improvement: A Remedial Action Classification Based Approach. 15th IEEE International Conference on Machine Learning and Applications (ICMLA 2016). To appear. December 2016, Anaheim, California, USA.	2016
Dr. Ghassen Ben Brahim	Ilyes Jenhani, Ghassen Ben Brahim, Ammar Elhassan "Course Learning Outcome Performance Improvement: A Remedial Action Classification Based Approach", IEEE International Conference on Machine Learning and Applications, December 2016	2016
Dr. Ammar ElHassan	Ilyes Jenhani, Ghassen Ben Brahim, Ammar Elhassan "Course Learning Outcome Performance Improvement: A Remedial Action Classification Based Approach", IEEE International Conference on Machine Learning and Applications, December 2016	2016
Dr. Jaafar Alghazo	Electronic Waste Management and Security in GCC Countries: A Growing Challenge (October 2016) 2nd ICIEM 2016, International Conference on Integrated Environmental Management for Sustainable Development, At Sousse Tunisia	2016
Dr. Jaafar Alghazo	Security Threat Analysis and Prevention Techniques in Electronic Waste (November 2016) 6th International Conference on Solid Waste Management, At Kolkata, India	2016

Dr. Abul Bashar	A. Bashar, " BN-based Approach for Predictive Admission Control of Cloud Services," in Proc. of 7th IEEE International Advance Computing Conference (IACC 2017), Hyderabad, India, 5-7 Jan., 2017	2017
Dr. Abul Bashar	M. Rafiq, A. Bashar, A. Shaikh, " Application of Cloud Computing for Providing Knowledge Management Services for Higher Education Sector," in Proc. of 1st International Conference on Advanced Research (ICAR 2017), Manama, Bahrain, pp. 50, 25-26 Jan. 2017.	2017
Dr. Loay Alzubaidi	Program Outcomes Assessment Using Key Performance Indicators, 2017, ISERD international conference (Boston- USA), Loay Alzubaidi.	2017
Dr. Nazeeruddin Mohammad	M Al-Mouhamed, N Mohammad and M.A. Khan, "Enhancing the Performance of Parallel N-Body Simulation", 7th IEEE International Advance Computing Conference (IACC-2017)	2017
Dr. Nazeeruddin Mohammad	M Al-Mouhamed, N Mohammad and M.A. Khan, "Enhancing the Performance of Parallel N-Body Simulation", 7th IEEE International Advance Computing Conference (IACC-2017)	2017

Table 11.2 Journal Publications

Faculty Name	Published Papers	Year
Dr. Nazeeruddin Mohammad	Dawood Ashraf, Nazeeruddin Mohammad, "Matching Perception with the Reality - Performance of Islamic Equity Investments", Elsevier Pacific-Basin Finance Journal, 2014 (accepted for publication) http://www.sciencedirect.com/science/article/pii/S0927538X13000930	2014
Dr. Marius Nagy	Hafsa Yazdani, Fatemah Al Zayer, Naya Nagy and Marius Nagy (2014) "Turing Machine Simulations: Classic and Quantum". International Journal of Computer and Electrical Engineering. Vol. 6, No. 1, pages: 49-53. http://www.ijcee.org/	2014
Mr. Khaled Fawagreh	Fawagreh, Khaled, Mohamed Medhat Gaber, and Eyad Elyan. "Random Forests: From Early Developments to Recent Advancements." Systems & Control Engineering: An Open Access Journal 2.1 (2014): 602-609.	2014
Dr. Marius Nagy	Naya Nagy, Marius Nagy and Selim G. Akl (2015) "Carving Secret Messages Out of Public Information", Journal of Computer Science, 11(1):64-70.	2015
Dr. Abul Bashar	M. Rafiq, A. Bashar, A. Shaikh, "Application of Cloud Computing in Innovative Knowledge Management Systems," International Journal of Recent Advances in Organizational Behavior and Decision Sciences, Vol. 1, No.2 pp.304-317, 2015. (ISSN 2311-3197)	2015

Dr. Abul Bashar	A. Bashar, "Graphical Modeling Approach for Monitoring and Management of Telecommunication Networks," International Journal of Space-Based and Situated Computing, special issue on Network Management and Monitoring, Vol. 5, No.2, pp.65-75, 2015.	2015
Dr. Abul Bashar	A. Shaikh, A, Bashar, M. Rafiq, "Emerging Trends in ICTs and its impact on Organizational Innovation through Knowledge Management," submitted to Journal of Knowledge Management Research & Practice (Submitted)	2015
Dr. Ilyes Jenhani	Rim Hentech, Ilyes Jenhani and Zied Elouedi, "Possibilistic AIRS induction from uncertain data". Soft Computing, 20 (1), pp. 3-17, Springer-verlag.	2015
Dr. Nazeeruddin Mohammad	Mohammad, Nazeeruddin, and Dawood Ashraf. "The market timing ability and return performance of Islamic equities: an empirical study." Elsevier Pacific-Basin Finance Journal, Volume 34, September 2015, Pages 169-183.	2015
Dr. Nazeeruddin Mohammad	S. Mohammad, M. Al-Mouhamed, N. Muhammad, "Reliable Communication Protocol for Applications in Multi-Robot Systems", SpringerArabian Journal for Science and Technology, Dec 2015	2015
Dr. Nazeeruddin Mohammad	A. Khan, M. Al-Mouhamed, A. Fatayer, Nazeeruddin M. "Optimizing the Matrix Multiplication Using Strassen and Winograd Algorithms with Limited recursions on many-Core", International Journal of Parallel Programming, 2015.	2015
Dr. Shahabuddin Muhammad	S. Mohammad, M. Al-Mouhamed, N. Muhammad, "Reliable Communication Protocol for Applications in Multi-Robot Systems", in Arabian Journal for Science and Engineering, 2015. http://link.springer.com/article/10.1007%2Fs13369-015-2012-3#page-1	2015
Dr. Ammar Elhassan	Huseyin M. Cekirge, Omar K. M. Ouda, Ammar Elhassan, Economic Analysis of Solid Waste Treatment Plants Using Pyrolysis, American Journal of Energy Engineering. Vol. 3, No. 2, 2015, pp.11-15. doi: 10-11648/j.ajee.20150302.11	2015
Dr. Ammar Elhassan	Huseyin M. Cekirge, Ammar Elhassan, Omar K. M. Ouda, Quantitative Risk Assessment for Crude Oil Pipelines, International Journal of Environmental Monitoring and Analysis, April 30, 2015 http://www.sciencepublishinggroup.com/ijjema vol.3, No. 3, 2015, pp. 147-153. doi: 10.11648/j.ijjema.20150303.16	2015

Dr. Ammar Elhassan	Huseyin M. Cekirge, Ammar Elhassan, Omar K. M. Ouda, A Comparison of Solar Power Systems (CSP): Solar Tower (ST) Systems versus Parabolic Trough (PT) Systems, American Journal of Energy Engineering - Accepted, expected May 2015.	2015
Dr. Ammar Elhassan	A Method for Preparing Environmental Social Impact Assessment (ESIA) of Crude Oil and gas Pipelines, Huseyin M. Cekirge, Omar K. M. Ouda, Ammar Elhassan, International Journal of Environmental Monitoring and Analysis May 2015 Vol. 3, No. 3, 2015, pp. 154-161. doi: 10.11648/j.ijema.20150303.17	2015
Dr. Ghassen Ben Brahim	Ralph Adaimy, Wassim El-Hajj, Ghassen Ben Brahim, Hazem Hajj, Haidar Safa, "A Performance Study of a Newly Designed Framework for Secure Information Flow Analysis in Web Applications", Computers and Security ELSEVIER ISI Journal 2015.	2015
Dr. Marius Nagy	Marius Nagy and Naya Nagy (2016) "Quantum-based Secure Communications with No Prior Key Distribution". Soft Computing. 20(1):87--101. DOI: 10.1007/s00500-014-1555-7.	2016
Dr. Marius Nagy	Naya Nagy, Marius Nagy and Paul Hodor. (2016) "Cryptography and Information Protection in the Living World". International Journal of Unconventional Computing. 12(2--3):133--143.	2016
Dr. Marius Nagy	Naya Nagy and Marius Nagy (2016) "Quantum Bit Commitment - Within an Equivalence Class". International Journal of Unconventional Computing. 12(5--6):413--432.	2016
Dr. Marius Nagy	Marius Nagy and Naya Nagy (2016) "Quantum Oblivious Transfer: a secure practical implementation.: Quantum Information Processing. 15(12):5037--5050. DOI:10.1007/s11128-016-1438-1.	2016
Dr. Ghassen Ben Brahim	Wasim El-Hajj, Ghassen Ben Brahim, Haidar Safa, Hazem Hajj "Security-by-Construction in Web Applications Development via Database Annotations Computers & Security", Elsevier Journal on Computers & Security, 2016	2016
Dr. Shahabbudin Muhammad	M. A. Khan, S. Muhammad, N. Mohammad, A. Ali, "Enumeration of exponent three inverse property loops", accepted in Quasigroups and Related Systems, Dec 2016.	2016
Dr. Shahabbudin Muhammad	M. A. Khan, N. Mohammad, S. Muhammad, A. Ali, "A Mining Based Approach for Efficient Enumeration of Algebraic Structures", in Springer International Journal of Data Science and Analytics, 1-10, April 2016	2016

Dr. Abul Bashar	A. Bashar, "Simulation Frameworks to Assess QoS Provisioning Solutions for Cloud-based Services," International Journal of Private Cloud Computing Environment and Management Vol. 2, No. 2, pp. 27 - 42, 2016.	2016
Dr. Ilyes Jenhani	Rim Hentech, Ilyes Jenhani and Zied Elouedi (2016) Possibilistic AIRS induction from uncertain data. Soft Computing, 20 (1) pp. 3-17. Springer. ISI, Impact Factor: 1.630	2016
Dr. Nazeeruddin Mohammad	M. A. Khan, S. Muhammad, N. Mohammad, A. Ali, "Enumeration of exponent three inverse property loops", submitted for review in Quasigroups and Related Systems, October 2016.	2016
Dr. Nazeeruddin Mohammad	Majid Khan, Nazeeruddin Mohammad, Shahabuddin Muhammad, and Asif Ali, A mining based approach for efficient enumeration of algebraic structures, International Journal of Data Science and Analytics, 2016	2016
Dr. Nazeeruddin Mohammad	A. Khan, M Al-Mouhamed, A Fatayer, N Mohammad, Optimizing the Matrix Multiplication Using Strassen and Winograd Algorithms with Limited Recursions on Many-Core, - International Journal of Parallel Programming, 2016	2016
Dr. Loay Alzubaidi	Measurement of Course Learning Outcomes for Data Structure Using the Combination Approach, 2016, Alzubaidi L, IJCSNS 2016 ISSN : 1738-7906, VOL.16 No.1, pp.57-61;	
Dr. Majid Ali Khan	M. A. Khan, S. Muhammad, N. Mohammad, A. Ali, "Enumeration of exponent three inverse property loops", accepted in Quasigroups and Related Systems, Dec 2016.	2016
Dr. Majid Ali Khan	M. A. Khan, N. Mohammad, S. Muhammad, A. Ali, "A Mining Based Approach for Efficient Enumeration of Algebraic Structures", in Springer International Journal of Data Science and Analytics, 1-10, April 2016	2016
Dr. Abul Bashar	A. Shaikh, A. Bashar, M. Rafiq, " Emerging Trends in ICTs and its impact on Organizational Innovation through Knowledge Management," Journal of Management Information Systems (under review)	2017
Dr. Jaafar Alghazo	Optimized FPGA Implementation of the Thyroid Hormone Secretion Mechanism Using CAD Tools Article in Journal of Medical Systems 41(2) - February 2017 DOI: 10.1007/s10916-016-0680-5	2017

Patents:

U.S. Patent: Patent Number: US08790265-2014 WERNER MOHL ; Dr. LOAY ALZUBAIDI]

PMU SPONSORED RESEARCH

Many CCES faculties have participated in PMU Sponsored research projects, these are as follows:

Phase 1 Projects (CCES Faculty):				
PI	Co-I	Title	Amount	Time Frame
Dr. Mohammed Amine Fnaiech, COE	Dr. Mohamed Morsy, COE Dr. Ghassen Ben Brahim, CCES Dr. Ilyes Jenhani, CCES	Advanced Direct Torque Control (DTC) to Improve the Efficiency of Multi-phase Induction Motors	73 K	Start date: 10/19/2015 End date: on going
PI	Co-I	Title	Amount	Time Frame
Dr. Majid Ali Khan, CCES	Dr. Shahabuddin Mohammad, CCES Dr. Nazeeruddin Mohammad, CCES	A Computational Approach to Analyze Algebraic Structures	18 K (approved)	Start date: Dec 2015 End date: on going
PI	Co-I	Title	Amount	Time Frame
Dr. Shaikh Arifualam, COB	Dr. Abul Bashar, CCES Mr. Muhammad Rafiq, COB	Potential of Cloud Computing Services in Developing Knowledge Management Systems for Private Higher Education Institutes	14 K (approved)	Start date: Dec 2015 End date: on going

Phase 2 Projects (CCES Faculty):				
PI	Co-I	Title	Amount	Time Frame
Dr. Mohammed Amine Fnaiech, COE	Dr. Ammar El Hassan, CCES Dr. Ghassen Ben Brahim, CCES Dr. Ilyes Jenhani, CCES	High closed-loop performance of the body glucose concentration	85 K (requested)	Start date: -- End Date: --

PI	Co-I	Title	Amount	Time Frame
Dr. Shahabuddin Mohammad,CCES	Dr. Nazeeruddin Mohammad, CCES Dr. Majid Ali Khan, CCES Dr. Abul Bashar	Application of Formal Verification Techniques for Analysing Robotics, Communication, and Security Systems.	35 K (requested)	Start date: -- End Date: --
PI	Co-I	Title	Amount	Time Frame
Dr. Jaafar Al Ghazo	Dr. Ammar Elhassan, CCES Dr. Loay Al Zubaidi, CCES External Expert Ahmad Al-Hmouz Assistant Professor Middle East University – Jordan External Expert Dr. Rami Al-Hmouz Associate Professor King Abdulaziz University	A Study on the Confused Handwritten Indian (Arabic) Numerical images.	85 K (requested)	Start date: -- End Date: --
PI	Co-I	Title	Amount	Time Frame
Dr. Marius Nagy		Secure Quantum Bit Commitment Protocol	27.5K	Start date: -- End Date: --

CONTINUING EDUCATION AND VENDOR-SPECIFIC TRAINING

CONTINUING EDUCATION AND COMMUNITY SERVICE

We are actively participating in the Diploma programs under the Deanship of Continuing Education and Community Service including Computer Networks and Web Design & Development with one cohort of students already completing the graduation requirements in Summer 2015 with the next group expected this Summer 2016.

VENDOR-SPECIFIC TRAINING AND CERTIFICATION

The college has many ventures relating to the provision of professional training in commercial/vendor skills including CISCO, EMC and SAP. Our CISCO Academy is very busy this year with IT Essentials training curriculum which provides an introduction to the computer hardware and software skills needed

to help meet the growing demand for entry-level information and communication technology (ICT). This was offered free of charge by CISCO to 7 of our instructors, who subsequently offered the IT Essentials (students version) to many of our students. CCNA training for those who pass the IT Essentials training is already running on the Female campus at 4 HRS per week with 10 students enrolled therein. Other CISCO short courses and self-study courses offered to PMU (not just CCES) students include:

Table 12.1 CISCO Courses on Offer by CCES in Spring 2016

CourseID	Instructor	Enrollment
Cisco Cyber Security	Mr. Zafar Kazimi	9
Cisco Cyber Security	Dr. N. Mohammad	42
Cisco Cyber Security	Wesam Alwehaibi	5
Internet of Everything IoE(ITAP 1311)	Mr. Zafar Kazimi	5
Internet of Everything IoE(ITAP 1311)	CHARMAINE B CRUZ	21
IT Essential(ITAP 1311)	Mr. Zafar Kazimi	5
CCNA R&S	Mr. Zafar Kazimi	10
IT Essential (Digital logic)	Mr. Zafar Kazimi	27
Entrepreneurship	Erum Tanveer	2
Get Connected	Irum Nahvi	28

*Some of the courses are also offered to Alumni of CCES also free of charge

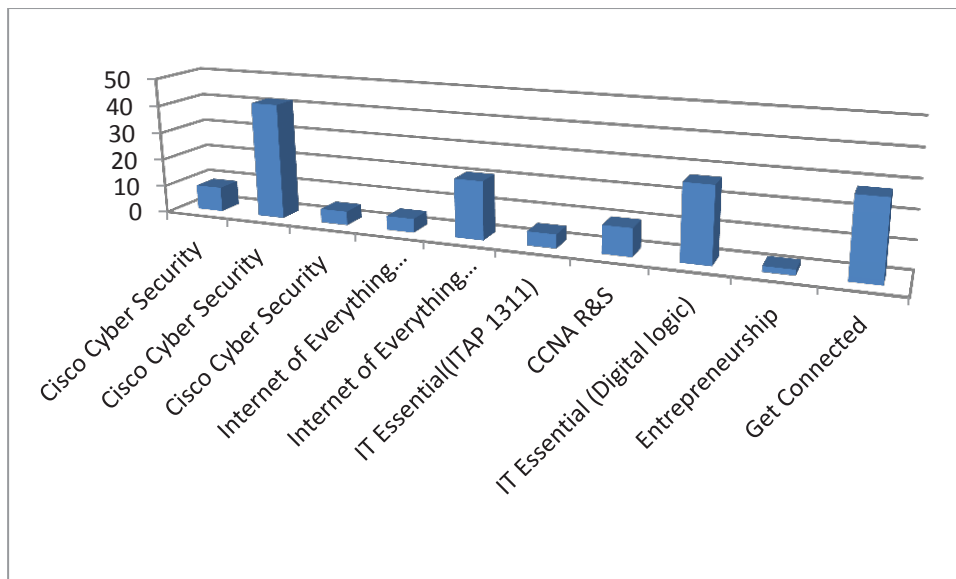
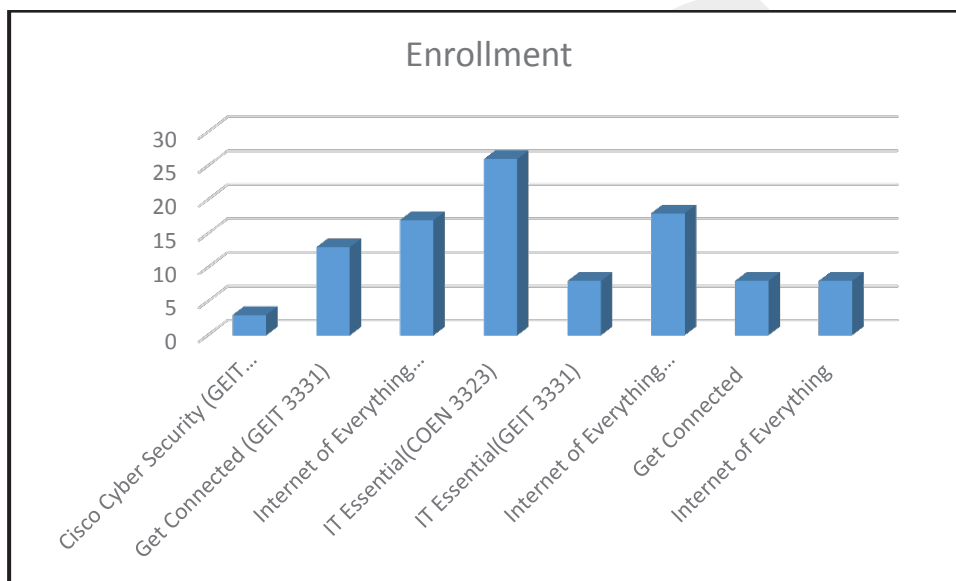


Table 12.2 CISCO Courses on Offer by CCES in Fall 2016/2017

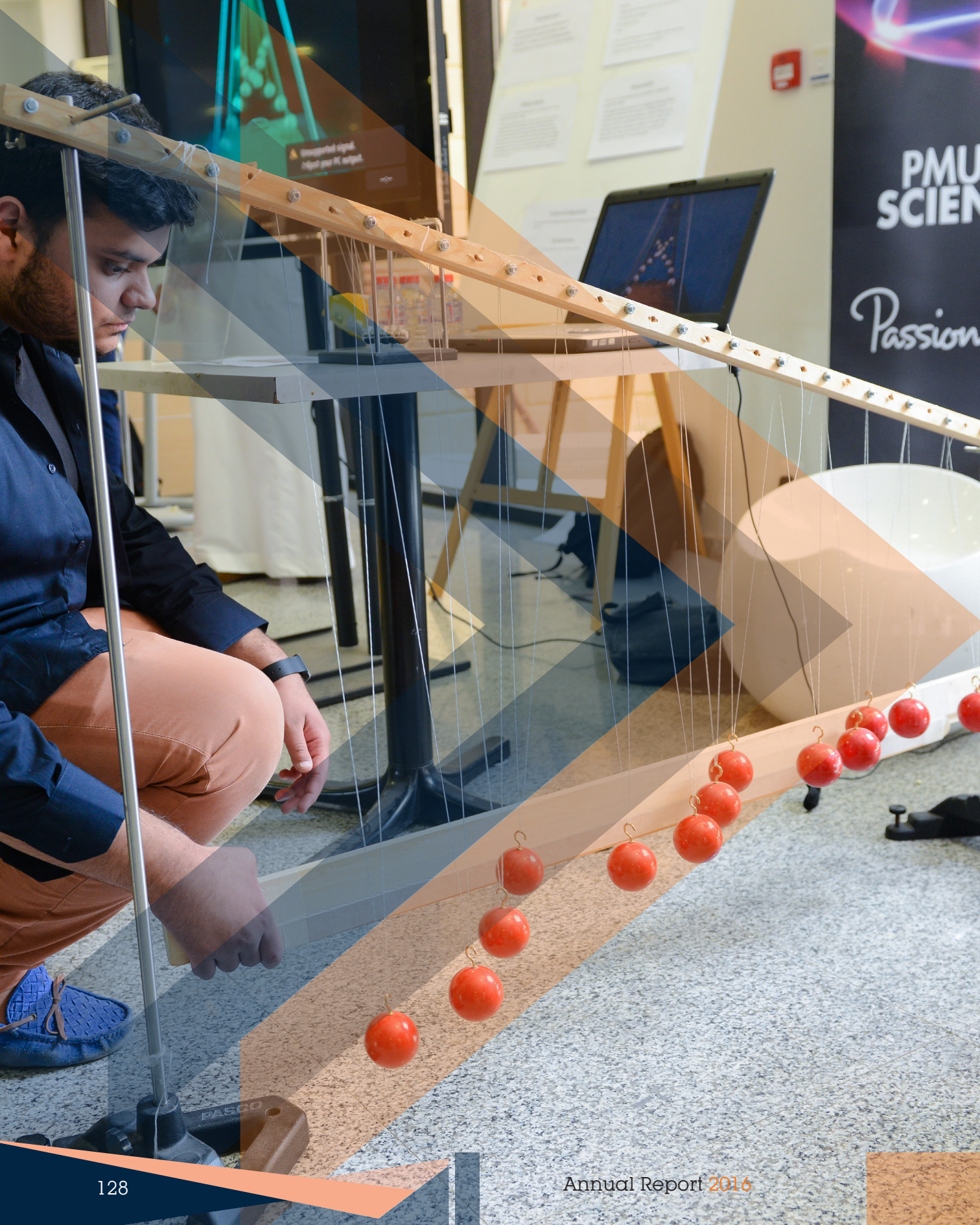
CourseID	Instructor	Enrollment
Cisco Cyber Security (GEIT 2291)	Mr. Zafar Kazimi	3
Get Connected (GEIT 3331)	Mr. Zafar Kazimi	13
Internet of Everything (GEIT 331)	Mr. Zafar Kazimi	17
IT Essential(COEN 3323)	Mr. Zafar Kazimi	26
IT Essential(GEIT 3331)	Mr. Zikria	8
Internet of Everything (ITAP 4371)	Ms. Irum Nahvi	18
Get Connected	Ms. Roxane Mallouhy	8
Internet of Everything	Ms. Roxane Mallouhy	5

*Some of the courses are also offered to Alumni of CCES also free of charge



We have plans to reactivate our SAP University Alliance membership in order to obtain online access to training and cloud services to simulate ERP IT and business environments to be able to offer SAP Certification to our instructors and then to our students.

The college is also offering EMC related topics in relation to some IT courses including Cloud Computing with a view to offer access to cloud based services and certification paths to our students and faculty voluntarily, outside the normal academic study plan requirements.



2.2.4 COLLEGE OF SCIENCES AND HUMAN STUDIES

College Overview

The College of Sciences and Human Studies at PMU retains a pivotal position at the heart of institution. With its leading undergraduate & graduate academic programs, the College of Sciences and Human Studies plays a key role in fostering education in human and social sciences as PMU realizes its goals of becoming one of the Kingdom's top universities in providing the labor market with visionary, innovative, and productive graduates capable of handling the diverse demands of the globally-oriented work place environments of the 21st century.

College Vision

The vision of the College of Sciences and Human Studies is to be recognized as a national leader in the advancement of human sciences and legal education.

College Mission

The mission of the College of Sciences and Human Studies is to provide an outstanding education that:

- Prepares future professionals in the fields of human development, experimental learning, leadership, humanities, social sciences, legal studies, emerging technologies, human resource development and education.
- Empowers future leaders in the field of human and social sciences with knowledge, skills and attitudes they need to effectively function in a globally-oriented and knowledge-based economy .
- Explores innovative and creative instructional methodologies and technologies for effective preparation of professionals in the fields of legal studies and human and social sciences.

CORE CURRICULUM PROGRAM

Preamble

The purpose of the Core Curriculum is to furnish PMU students with a seamless education, from the Preparatory Program, to graduation in an academic program major, and then to employment. Throughout the Core Curriculum, all assignments involve a set of learning outcomes, and expectations are articulated by examples and models. Faculty led students to think critically with a purpose beyond the classroom, and assignments include reasoning and writing for oral presentations. Critical thinking experiences in the Core Curriculum stress reasoning as a means of discovery and a tool for increasing understanding in both university courses and the student's personal life.

Program Vision

The core curriculum program prepares students to be lifelong learners with the intellectual and emotional skills and adaptability required to address the great changes that they will undoubtedly experience during their adult lives. The university provides them with the foundation they need to develop intellectu-

al skills, practical skills, and emotional sensitivities to prepare them to think, feel, and act competently in a complex, diverse, and constantly changing world. The university's undergraduate core curriculum, and specially the diverse academic components of the college core curriculum, enables students to have the information they need to make informed decisions and hold responsible opinions about their lives and the world in which they live.

Program Mission

The core curriculum is a vital component of ensuring learning outcomes and instilling competences in the university's graduates. The curriculum's courses and programs develops broad learning and thinking capabilities that complement the academic majors' specific professional skills to create a unique kind of university graduate for the Kingdom of Saudi Arabia.

PROGRAM LEARNING OUTCOMES

Humanities and Social Sciences

- Social and Behavioral Sciences

Students completing the behavioral and social sciences will be:

- » **Use** a variety of theories to explain human behavior.(Psychology)
- » **Describe** how the study of human behavior is founded on empirical and scientific observation. (Psychology)
- » **Recognize** the effects of the environment on individual behavior and recognizing the effects of social institutions and processes on human interaction. (Psychology)
- » **Compare** and Contrast significant social, geographical , economic, and political developments in Western and non-Western history.(Geography, World Civilization)
- » **Compare** and Contrast the interaction of Western and non-Western cultural traditions. (World Civilization)
- » **Conduct** research in the social and behavioral science field with a community impact.
- » **Demonstrate** the ability to design and deliver technology oriented artifacts that address and assess problems in the social and behavioral sciences field.

- **Communication and University Courses**

Students completing the communication and university courses will be:

- » **Identify** various writing forms to convey specified messages to targeted audiences.
- » **Demonstrate** skills of oral communication using activities that range from informal discussion to formal presentation in the work place.
- » **Demonstrate** the use and application of reasoning and critical thinking abilities.
- » **Demonstrate** problem solving abilities while identifying, analyzing, categorizing, interpreting, and communicating quantitative and qualitative data.

- » **Perform** ethical professional responsibilities effectively in both local and international contexts.
- » **Work** effectively with other in teams and demonstrate leadership skills when appropriate.
- » **Conduct, Evaluate, Interpret, and communicate** applied and professional research.
- » **Access, analyze, and critically evaluate, interpret, and communicate** information using information technology.

Mathematics and Natural Sciences

- **Mathematics**

Students completing the mathematics courses will be:

- » **Identify** fundamental notation and rules of a mathematical system
- » **Recognize** problems to which mathematics can be applied.
- » **Translate** problems into mathematical forms.
- » **Construct** and interpret visual representations of mathematical relationships
- » **Construct** logical and valid mathematical arguments
- » **Determine** collectively mathematical relationships and solutions to problems.
- » **Communicate** mathematical relationships and solutions

- **Natural and Physical Sciences Courses**

Students completing the natural and physical sciences courses will be:

- » **Define** what the realm of science is, and why science is important to their lives.
- » **Identify** current principles and theories used to explain natural phenomena and understanding the role of theories in science.
- » **Identify** science as a process of conducting systematic observation, formulating and testing hypotheses, collecting and evaluating data, recognizing sources of error and uncertainty in experimental methods, and disseminating results.
- » **Develop** understanding of how human activity affects the natural environment.
- » **Make** informed judgments about science-related topics and policies.

DEPARTMENT OF LAW

Program Overview

The department offers a distinguished, dual language program of its own in Law. One of its visionary plans is to provide the national, regional and international labor market with legal professionals and practitioners who can communicate efficiently on the discourse level in both English and Arabic. The curriculum promotes a learner-centered, interactive, and communicative pedagogy that allows students to have ample opportunities to explore and experience how smart they are and not whether they are smart. Graduates majoring in law are self-directed, motivated, technically competent professionals with strong communication skills in both Arabic and English.

Program Mission

The Department of Law at PMU exists to achieve excellence in legal education, research and the improvement of legal awareness kingdom wide.

Integral to the achievement of this mission is the pursuit of the following goals

- **Provide** students with the required knowledge, skills, and attributes of a high quality, engaging, learner-centered, competency-based, and internationally-oriented legal education that graduates professional legal consultants and lawyers with ethical and social responsibilities.
- **Promote** an exploration of national and international legal areas of research that contribute to the legal awareness of the local community and the world through endorsing strategic partnership with renowned international research centers and colleges.
- **Prepare** legal practitioners who can respectively and responsively, serve the Saudi community, and improve the level of legal awareness among various types of populations
- **Equip** students with employability and lifelong learning competences that allow them to meet the skill-demands of the national, regional, and international labor market.
- **Give** students the opportunity to learn about national and international trends of the world of law.
- **Offer** a challenging learning environment that stimulates students to consider the law as a skill, a way of thinking and reading the word and the world.

Program Vision

- The Department of Law at PMU aspires to be one of the top dual language academic programs in legal education worldwide. The program aspires to achieve excellence and creativity in employability skills and competences development and learning the national and international trends of the world of law, allowing students diligently to understand and enter into the legal world of the different intellectual other. PMU law students are scaffolded to make this entry, which accounts for a great depth of scholarly inquiry.

Program Objective

This program is intended to:

- Equip students with the required legal knowledge, skills, and attributes that develop their professional preparation and employability and allow them to take on leadership positions in the legal field nationally and internationally.
- Instill in students the foundations and sources of the legal system in Saudi Arabia and their applications.
- Provide students with legal content that has the potential to comparatively connect the national legal system with the international legal trends and jurisdictions.
- Provide students with the foundation and skills of legal research that allows them to succeed professionally and pursue graduate studies in the field.
- Enable students to communicate effectively verbally and in writing in both English and Arabic.

- Enable students to develop competences of teamwork, leadership, life and work ethics of the legal profession.
- Prepare graduates to work professionally in an ICT environment using appropriate statistical techniques to analyze, solve complex legal problems and communicate the results to a variety of audiences.
- Enable students to develop legal research using critical thinking and problem solving procedures..

PROGRAM LEARNING OUTCOMES

Graduates of the Law Program will be able to:

- **Define** and use fundamental knowledge, principles, theories, concepts, and practices of the national legal system studied and its applications.
- **Define and use** fundamental knowledge, principles, theories, concepts, and practices of the international legal system studied and their applications.
- **Develop and Demonstrate** an understanding of the legal system of Saudi Arabia in comparison to other regional and international legal systems, and their applications.
- **Analyze and Critically** Evaluate primary and secondary legal resources and cases of various legal systems and apply valid and reliable results to a range of situations.
- **Communicate** effectively verbally and in writing in both English and Arabic with various national and international clients
- **Demonstrate** the ability to work collaboratively and responsibly with diverse groups, show potential leadership skills when appropriate and adhere to professional ethics of the legal career.
- **Use** basic mathematical and statistical techniques in the analysis, interpretation, and solving of complex legal and business related issues, reports and select proper technological means to communicate the results to a variety of audiences.
- **Conduct** research studies in the legal field using critical thinking and problem solving procedures while collecting, analyzing, and interpreting multiple resources and drawing valid and reliable outcomes.

DEPARTMENT OF HUMAN RESOURCE DEVELOPMENT

MASTER OF SCIENCE IN EDUCATION WITH A CONCENTRATION IN HUMAN RESOURCE DEVELOPMENT

Program Overview

The College houses the Master of Science in Education and Human Development, a leading graduate program in its specialty with seven concentrations.

The Master of Science in Human Resource Development Degree Program is designed for working teaching professionals and educators, and offers seven concentrations: Teaching English to Speakers of Other Languages (TESOL), Instructional Technology, Curriculum and Instruction with a Concentration in Literacy, Teacher Education, Educational Leadership, Human Resource Development, and Special Education. In December 2011, the first batch of students was enrolled in the pre-master's program, which is designed to prepare students for their graduate studies in Education and Human Development.

Program Mission

Candidates in the Master of Science in Human Resource Development Degree Program at Prince Mohammad bin Fahd University (PMU) develop academic and professional competencies that allow them to address and assess situational problems with confidence and self-reliance. The mission of the program is to make available a global education that provides HRD graduates with theoretical and practical applications of resourcefully analyzing, designing, developing, implementing and evaluating goal-oriented training programs and curricula that meet the needs of the 21st. century labor market demands.

Program Vision

The Master of Science in Human Resource Development with its seven concentrations diligently operates to be recognized as an exemplary program in the preparation of educators and human resource development consultants who are seeking to explore the changing nature of teaching, training and learning while assessing and addressing the needs, challenges, and potentialities of the 21st century.

GOALS AND ACCOMPLISHMENTS FOR THE YEAR 2016

GOAL 1: Increase undergraduate and graduate number of quality students who will make the college their first choice through improved recruitment, retention, and the enhancement of the college image locally, regionally and internationally.

Initiative 1.1

- Develop promotional printed materials
 - » College Newsletters
 - » Promotional Videos

Accomplishments:

- Prepared and reviewed the content for the promotional materials and gave them to Public Relations Department to create a professional design that is consistent with PMU printed materials.
- Created a college newsletter
- Created promotional videos by faculty and students

Initiative 1.2

- Improve the quality of the college website

Accomplishments:

- Reviewed the quality of the content of the existing college website, updated it in accordance with the academic catalog of 2016

Initiative 1.3

- Improve academic advising to focus more on addressing students' academic concerns especially those who may be at risk or on academic probation.

Accomplishments:

- Developed academic advising seminars and workshops for all faculties.
- Engaged senior "A" students in academic advising..

GOAL 2: Create a conducive teaching / learning environment for students and measure their perceptions and attitudes regarding the provided teaching/learning activities.

Initiatives 2.1:

- Enhance the integration of instructional technology across all graduate and undergraduate courses.

Accomplishments

- Identified and proposed the usage of the following software:
 - » SPSS / Excel / Access
 - » NVIVO

Initiative 2.2

- Increase the integration of:
 - » Learning-by-doing
 - » Project-based learning
 - » Performance and assessment-based learning.
 - » Research-based learning
 - » Competency-based learning

Accomplishments

- Designed and implemented measurable and observable course activities that reflect institutional and course-specific learning outcomes that focus on transferable skills and competencies and which represent constructivist approaches and used protocols and rubrics for assessment.

Initiative 2.3

- Promote the culture of community service and research among students.

Accomplishments:

- Designed community service assignments for certain courses. The assignment takes the form of community service projects to be developed and demonstrated.

Initiative 2.4

- Enhancing the learning environment through undergraduate research

Accomplishments

- Formed a faculty committee to select best research projects of students, work with them on proof reading and editing to prepare well developed research papers for publications in the college newsletter.
- 21 graduate and undergraduate students presented their research projects in international conferences.

GOAL 3: Create a conducive and intellectually rewarding teaching-learning environment for the faculty.

Initiative 3.1

- Enhance the faculty performance through professional development workshops
- Accomplishments

- Analyzed the educational needs of the faculty; Designed, Developed, Implemented, and Evaluated workshops that focus on:

The teaching-learning and assessment school of thought of PMU.

- » What, Why, How, & When to assess.
- » Strategic integration of BlackBoard.
- » Designing and developing rubrics for assessment purposes.
- » Designing, developing and implementing e.portfolio as a concept and digital tool for lifelong learning

GOAL 4: Building a strong partnership and collaboration in education and research between the college and the local, regional, and international universities, bodies, and organizations of common interests.

Initiative 4.1

- Build partnership with well reputed colleges worldwide

Accomplishments

- The college initiated a partnership with Pepperdine University School of Law. An MOA between PMU and Pepperdine will be signed in April 2017, the outcome of which will be organizing an Annual Global Dispute Resolution Conference. PMU and Pepperdine Straus Institute of Dispute Resolution agreed to:
 - » NOW THEREFORE PMU AND SIDR AGREE TO THE FOLLOWING:
- Commence a journey of friendly relations
- Enhancing dispute resolution practices will be taught at or co-sponsored by PMU and implemented in Saudi Arabia and in other predominantly Muslim countries
- The most important project of this partnership will be a Global Dispute Resolution Conference to be held in the Summer or Fall of 2018.

Initiative 4.2

- Establish an advisory board that includes prominent figures from the business community

Accomplishments

- Formed an advisory board to be chaired by the Dean and consists of one or two prominent figures in business industry.

Initiative 4.3

- Guest Speakers

Accomplishments

- Invited guest speakers for delivering lectures that enrich students understanding of issues related to their academic and future career.
- Passing a Jessup International Moot Court Competition was proposed and approved:
 - » **Introduction**
Towards achieving one of the strategic initiatives of the 2016-2017, the college proposes a plan to nationally and internationally compete for the Jessup especially “this coming spring “marks the 58th” year of the Philip C. Jessup: the world’s largest moot court competition with participants from over 550 law schools in more than 87 countries”.
 - » **Scope**
Jessup Competition allows only two universities to participate from each country world-wide. Saudi Arabia has never been represented in the Jessup. The regional organizer diligently tried to get another university to compete with PMU but he couldn’t. That is, PMU does not have any competitor and accordingly, our students will have the opportunity to compete directly on the internationally level with one or two groups of students from PMU if the initiative is approved.
 - » **Added Value**
Giving our students this international exposure will definitely have significant impact on the enhancement of PMU image nationally and internationally. It is an opportunity to have practical applications of the Globally Connected and Conflict Management themes that PMU endorses this year, especially the main theme of the competition is built on a simulation of a fictional dispute between countries before the international court of justice.
 - » **Time Frame of the Competition**

From April 8th to 15th, 2017 (8 days + 1 day travelling total of 9 days)

GOAL 5: Develop a culture of conducting research with a community impact.

Initiative 1.1

- Encourage faculty to present their research in national and international conferences.

Accomplishments

- Funded Research Grants

FACULTY RESEARCH:

CORE HUMANITIES & SOCIAL SCIENCES DEPARTMENT (MALE):

Dr. Yazan Alghazo

Publications/Journals/Research:

1. Ouda, O., Ayadat, T., Asiz, A., Alghazo, Y. (2016). Utilizing Learning Outcomes Assessment for Civil Engineering Program Evaluation and Improvement – a Case Study. *Journal of Scientific and Engineering Research*, (3)3. (pp.549-561)
2. Rababah, A., & Alghazo, Y. (2016). Diagnostic Assessment and mathematical difficulties: An experimental study of Dyscalculia. *Open Journal of Social Sciences*, (4)6. (pp. 45-52). <https://doi.org/10.4236/jss.2016.46005>
3. Alghazo, Y. (2016). The Theory of Planned Behavior and Parental Involvement: A Theoretical Framework for narrowing the achievement gaps. *International Journal of Science and Research*, (5)4. (pp.570-572)
4. Alghazo, Y. (2016). Dispositions towards Mathematics: Pre-Service Teachers in the Middle East. *Proceeding of the 2016 West East Institute International Academic Conference*, (pp.73-79), Barcelona, Spain.

Conference:

- Alghazo, Y. (2016, March). Dispositions towards Mathematics: Pre-Service Teachers in the Middle East. Session presented at the 2016 West East Institute Academic Conference, Barcelona, Spain.

Dr. Adam Hefty

Conferences:

- 2016 “Alienation, Depression, Techniques of Self-Management,” International Social Theory Consortium 2016, Iowa State University, 9 June.
- 2016 “Emotional Management and Mental Health in the Kingdom of Saudi Arabia,” Prince Mohammad Bin Fahd University Research Day, Phase II, 14 May.

CORE MATHEMATICS & NATURAL SCIENCES DEPARTMENT (MALE):

Dr. Danish Ali Ahmed

Publications/Journals/Research:

- A classification of functional diversity metrics in the context of impact on plant species due to human-induced pressures. D. Ahmed, P.M. Bodegom, A. Tukker. *Func. Ecol.*, (Submitted 2016.)

Dr. Raja Latif

PUBLICATIONS/JOURNALS/RESEARCH:

1. **Raja M. Latif**, (Joint with two coauthors). Characterizations of Feebly Totally Open Functions, “Advances in Mathematics and Computer Science and their Applications, (2016) pp. 217 – 223.
<http://www.wseas.us/e-library/conferences/2016/venice/MAMUA/MAMUA-31.pdf>
2. **Raja M. Latif**, Alpha – Weakly Continuous Mappings in Topological Spaces, “International Journal of Advanced Information Science and Technology (IJAIST)”, ISSN # 2319:2682 Vol. 51, No, 51, July 2016. pp. 12 – 18. DOI:10.15693/ijaist/2016.v51i51.12-18 <http://www.ijaist.com/images/phocadownload/july%202016/Alpha%20%20Weakly%20Continuous%20Mappings.pdf>.
3. **Raja M. Latif**, Qualities of Effective Mathematics and Science Teachers, “International Journal of Advanced Research in Education & Technology (IJARET)”, ISSN: 2394 – 2975 (Online) & ISSN: 2394 – 6814 (Print). Vol. 3, Issue 3 Ver. 1 (July – Sept. 2016). IJARET – 33 – 2016 – 183. (July – Sep. 2016). pp. 88 – 95. <http://ijaret.com/wp-content/themes/felicity/issues/vol3issue3/raja.pdf>
4. **Raja M. Latif**, Problem Solving Effects in Teaching and Learning Mathematics, “International Journal Innovation and Applied Sciences (IJIAS)” ISSN 2028 – 9324. Vol. 18(2016). (To be Published). Website: <http://ijias.issr-journals.org/>

Conferences:

Raja M. Latif, (Joint with two coauthors). Characterizations of Feebly Totally Open Functions, “Advances in Mathematics and Computer Science and their Applications, (2016) pp. 217 – 223. <http://www.wseas.us/e-library/conferences/2016/venice/MAMUA/MAMUA-31.pdf>

- **Raja M. Latif**, Alpha – Weakly Continuous Mappings in Topological Spaces, “International Journal of Advanced Information Science and Technology (IJAIST)”, ISSN # 2319:2682 Vol. 51, No, 51, July 2016. pp. 12 – 18. DOI:10.15693/ijaist/2016.v51i51.12-18. <http://www.ijaist.com/images/phocadownload/july%202016/Alpha%20%20Weakly%20Continuous%20Mappings.pdf>
- **Raja M. Latif**, Qualities of Effective Mathematics and Science Teachers, “International Journal of Advanced Research in Education & Technology (IJARET)”, ISSN: 2394 – 2975 (Online) & ISSN: 2394 – 6814 (Print). Vol. 3, Issue 3 Ver. 1 (July – Sept. 2016). IJARET – 33 – 2016 – 183. (July – Sep. 2016). pp. 88 – 95. <http://ijaret.com/wp-content/themes/felicity/issues/vol3issue3/raja.pdf>
- **Raja M. Latif**, Problem Solving Effects in Teaching and Learning Mathematics, “International Journal Innovation and Applied Sciences (IJIAS)” ISSN 2028 – 9324. Vol. 18, NO. 3. Pp. 909 – 927 (Nov. 2016). Website: <http://ijias.issr-journals.org/>
- **R. Dhavaseelan**, S. Jafari, Raja M. Latif and F. Smarandache, “NEUTROSOPHIC RARE α -CONTINUITY”, “New Trends in Neutrosophy Theory and Applications”. (Accepted).
- **Latif, Raja M.** FSTA 2016. The Thirteenth International Conference on Fuzzy Set Theory and Applications, Liptovský Ján, Slovak Republic. January 24 – January 29, 2016.
- **Two Presentations:** 1. Different Types of Fuzzy Alpha Mappings in Fuzzy Topological Spaces. 2. Characterizations of Fuzzy Totally Alpha – Continuous and Fuzzy Slightly Alpha – Continuous Functions.

Dr. Muhammad Ashraf

Publications/Journals/Research:

<ul style="list-style-type: none">The effect of cerium alteration on the photocatalytic performance of WO₃ in sunlight exposure for water decontamination M Aslam, MT Qamar, MT Soomro, IMI Ismail, ZA Rehan, MW Ashraf, ... RSC Advances 6 (3), 2436-2449	2016
<ul style="list-style-type: none">Investigation on the structural, dielectric and impedance analysis of manganese substituted cobalt ferrite ie, Co_{1-x}Mn_xFe₂O₄ (0.0≤ x≤ 0.4) M Atif, M Idrees, M Nadeem, M Siddique, MW Ashraf RSC Advances 6 (25), 20876-20885	2016
<ul style="list-style-type: none">Removal of methylene blue dye from wastewater by using supported liquid membrane technology MW Ashraf Polish Journal of Chemical Technology 18 (2), 26-30	2016

Conference:

- Waqar Ashraf. "Selective Removal of Methylene Blue dye from Industrial waste effluents by using Supported Liquid Membrane Technology", Expo on Biomass December 05-06, 2016 Dubai, UAE.

CORE HUMANITIES AND SOCIAL SCIENCES DEPARTMENT (Female):

1.DR. BARBARA JO BENNETT

- BENNETT, J., ANDERSON, B., BAKKEN, L JARADAT, M., LIEBL, M., MOHAMMAD, M, & VANDERBURGH, W. (2016). UNDERSTANDING HOW STUDENTS' PERCEIVE THEIR FIRST YEAR: INTERPRETED THROUGH SOCIAL CAPITAL THEORY. RESEARCHER WORLD. 7 (4).**
- Maddy, C.M., Bennett, J., & Bail, D. (2016). Teachers' Perceptions about joining the teaching of writing and history. Academic Exchange Quarterly. 20 (2). Republished in Zeitgeist Essay OA.**
- Grant, N. & Bennett, J. (2016). Using an eco-map as a tool for data collection. New Horizons in Adult Education and Human Resource Development). 8 (2), 1-13. doi: 10.1002/nha3.20134**
- BENNETT, J. (2016). STAFF MEMBERS ACTING AS GRANDPARENTS IN A HIGH SCHOOL FOR RECENT IMMIGRANTS: LOS ABUELITOS. AMERICAN SECONDARY EDUCATION JOURNAL. 44 (2). 46-65.**

International and National Refereed Research Presentations

- **Bennett, J. (2016). What a reading pilot revealed about reading habits at a GCC university. WERA/AERA, Washington, D.C.**
- **Bennett, J. & Fathi, A. (2016). A personal narrative: How I learned English through video games. WERA/AERA, Washington, D.C.**
- **Bennett, J. (2016). Why care is important: An ethnographic experience. Ethnographic Conference, San Angelo, TX.**

2. MS. EBTESAM KHALIL TALOUZI

- Ebtessam Ahmad Tallouzi, Siddiqua Aamir, Khadija El Alaoui and Maura A. E. Pilotti. 2016. "The New General Self-Efficacy Scale: A Matter of Language"
- El Alaoui, K., Mulhem, H., Pilotti, M. A. E., Amir, S., & Tallouzi, E. (in press). Arabic-English bilingual speakers' reactions to the statements of the new general self-efficacy scale. The International Journal of Learner Diversity and Identities.

3. DR. SIDDIQUA AAMIR

- Dr. Siddiqua Aamir, Ebtessam Ahmad Tallouzi, Khadija El Alaoui and Maura A. E. Pilotti. 2016. "The New General Self-Efficacy Scale: A Matter of Language"
- Role of Counselling to Facilitate Compliance to the Dots for the Treatment of Tuberculosis Dates: Received: 10 September, 2015; Accepted: 09 August, 2016; Published: 11 August, 2016

4. DR. ADELE MADIKOMA MAVUSO

Authors: Dr. Lalla Khadija Fritsch El Alaoui
Dr. Adele Mavuso

Conference date : October 16, 2016

Title : Social Media and Social Change Regional Symposium Agenda in Doha, Qatar University,
Presented a paper on Social Media as Opportunities for Cultural Expression and Communication.

5. DR. CARMEN WINKEL

Publication, Dr. Carmen Winkel

Books:

2016: with Gundula Gahlen and Daniel Marc Segesser (Ed.), Geheime Netzwerke im Militär 1700-1945, Paderborn

https://www.amazon.de/Geheime-Netzwerke-Militär-1700-Geschichte-3506777815/ref=sr_1_1?ie=UTF8&qid=1490284075&sr=8-1&keywords=geheime+Netzwerke+militär

6. DR. MAURA ANGELA PILOTTI

PUBLICATIONS:

- El Alaoui, K., Mulhem, H., Pilotti, M. A. E., Amir, S., & Tallouzi, E. (in press). Arabic-English bilingual speakers' reactions to the statements of the new general self-efficacy scale. *The International Journal of Learner Diversity and Identities*.
- Hardy, P., Shepard, M., & Pilotti, M. (in press). Does part-time faculty's self-efficacy predict critical dimensions of online college teaching? *College Teaching*.
- Vincent, P., Pilotti, M., & Hardy, P. (2016). An exploratory study on instructor conduct and characteristics in the online classroom as predictors of student participation. *Comprehensive Psychology*, 5, 1-12.
- Lozano, Y. M., Martinez-Ramos, G. P., & Pilotti, M. (2016). Assessing caregivers' needs in the workplace: A pilot study. *Educational Gerontology*, 42(7), 465-473.
- Enhanced by conceptual integration during practice? *Journal of Studies in Education*, 3(1), 1-10.

CONFERENCE PRESENTATIONS

- Pilotti, M., Hardy, P., Shepard, M., & Beharie, R. (2016). Part-time faculty's self-efficacy as predictive of critical dimensions of college teaching. Poster presented at the 28th Annual Convention of the Association for Psychological Science.
- Pilotti, M., Vincent, P., Anderson, S., Murphy, P., & Hardy, P. (2016). Engagement in the online asynchronous class. Poster presented at the 96th Annual Convention of the Western Psychological Association.
- Hardy, P., Shepard, M., Beharie, R., & Pilotti, M. (2016). Does part-time faculty's self-efficacy predict critical dimensions of college teaching? Poster presented at the 96th Annual Convention of the Western Psychological Association.

7. DR. LALLA KHADIJA FRITSCH EL ALAOU

Publications:

- El Alaoui, K. (Sep/Dec 2016). "The Wisdom of Stubbornness." *Contexto International: Journal of Global Connections on Decolonial/Postcolonial International Relations*, 38 (3), 593-611.
- El Alaoui, K. (2016). "An Afro-Asian Tune without Lyrics." *Meanings of Bandung: Decolonization and*

CORE-MATHEMATICS & NATURAL SCIENCES (Female):

1. Dr. Najma Saleem

- A mathematical analysis of MHD blood flow of Eyring-Powell fluid through a constricted artery, *International journal of Biomathematics*, (2016) Vol. 9 (2) Article ID. 1650027 pp. 12 Impact Factor: 0.805

- Second-law analysis in the peristaltic flow of variable viscosity fluid, International Journal of Exergy, (2016) Vol. 20, pp. 170-185 Impact Factor: 0.88

2. Dr. Aparna Das

2016

- [2] Comparative study of photoluminescence from $\text{In}_{0.3}\text{Ga}_{0.7}\text{As}$ /GaAs surface and buried quantum dots Wang, Guodong; Liang, Baolai; Juang, Bor-Chau; Das, Aparna; Debnath, Mukul; Hufaker, Diana; Mazur, Yuriy; Ware, Morgan; Salamo, Gregory Nanotechnology 27, 465701 (2016)

3. Dr. Saira Waheed

Author (s): M. Zubair, Saira Waheed and Yasir Ahmed.

Title: Static Spherically Symmetric Wormholes in $f(R,T)$ Gravity

Journal Name, Volume, year of publication and Page Number: European Physical Journal C 8 (2016)76.

Impact Factor: 4.93

Submitted Papers

- 1) Title: Reconstruction of Scalar Potentials in $f(R, R_{\alpha\beta} R^{\alpha\beta}, \phi)$ theory of gravity
Status: Submitted in Journal of Cosmology and Astroparticle Physics (completed in 2016).
- 2) Title: New dynamical wormhole solutions in $f(R)$ using Noether's approach
Status: Submitted in European Physical Journal C for publication (Completed in 2016).

GOAL 6: Maintain a teaching-learning culture of quality across all courses.

Initiative 6.1

- Establish a benchmarking internal point of reference against which the department assesses students' success, failure, and withdrawal rate per course.

Accomplishments

Conducted workshop on how to bring about a point of reference for assessment purposes.

Initiative 6.2

Developed a plan for national and international accreditation.

Accomplishments

- Formed a departmental accreditation committee to prepare the required documentations for NCAAA.
- Conducted workshops for the faculty on the know-how of national and international accreditation.

Initiative 6.3

- Conducted program review to check the compatibility of its outputs with the requirement of accreditation bodies.

Initiative 6.4

Develop a quality research-based system for classroom observation and visits

Accomplishments

- Formed a departmental committee to develop guidelines for classroom observation

Initiative 6.5

- Conduct a curriculum review to insure that the content and textbooks are in alignment with the current trends of the field.

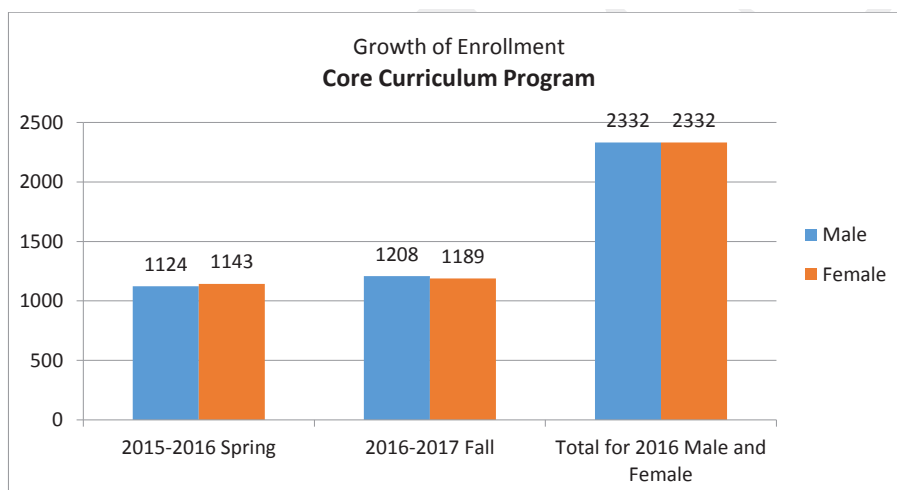
Accomplishments

- Formed a Departmental Curriculum Review Committee.
- Mapped the content of the course syllabi with NCAAA course specifications and course reports.

Growth of students enrolled in Core Curriculum Program

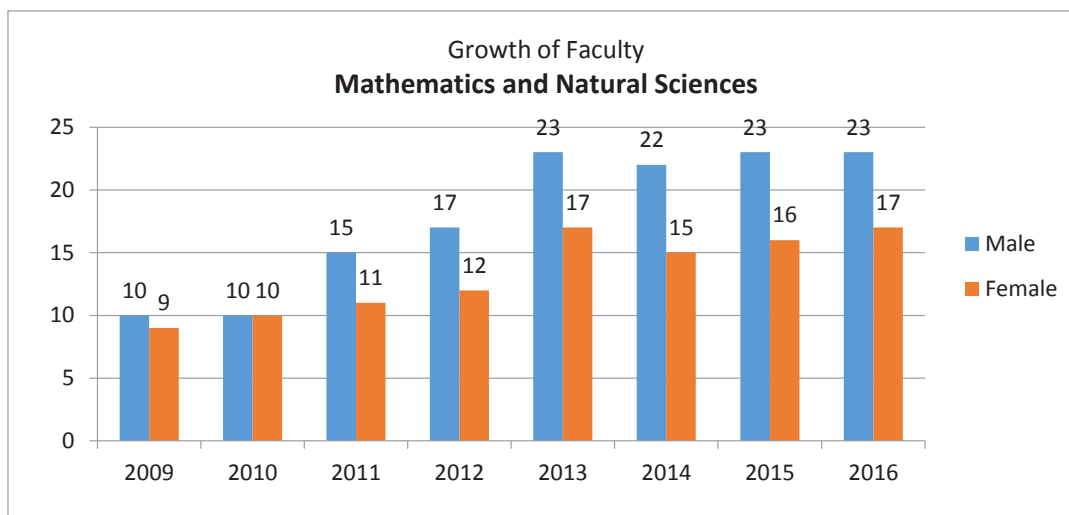
Students' enrollment continued to be within the projected number. (2332 female and 2332 male).

Campus	2015-2016 Spring	2016-2017 Fall	Total for 2016 Male and Female
Male	1124	1208	2332
Female	1143	1189	2332



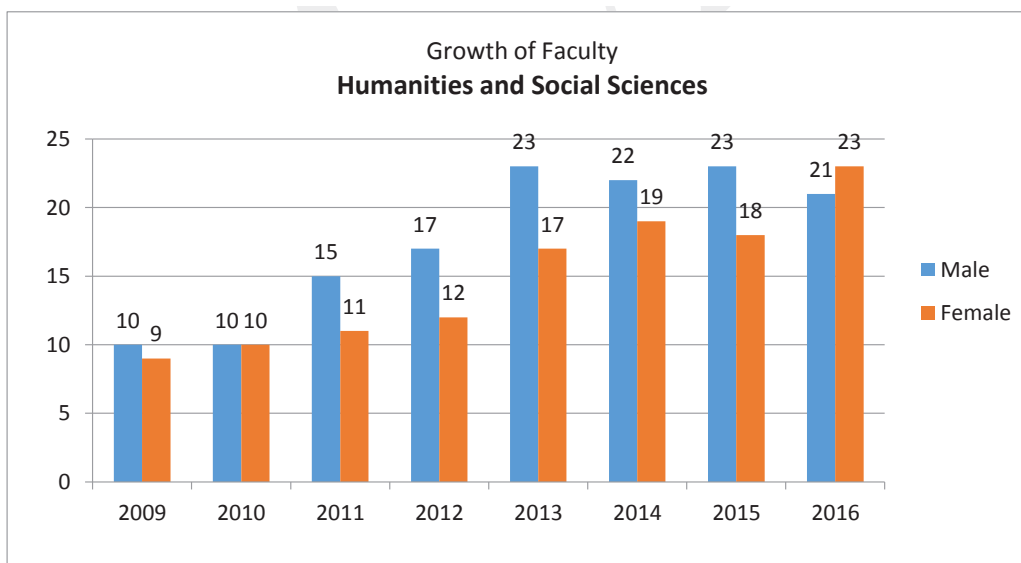
Growth of faculty of Mathematics and Natural Sciences

Campus	2009	2010	2011	2012	2013	2014	2015	2016
Male	10	10	15	17	23	22	23	23
Female	9	10	11	12	17	15	16	17



Growth of faculty of Humanities and Social Sciences

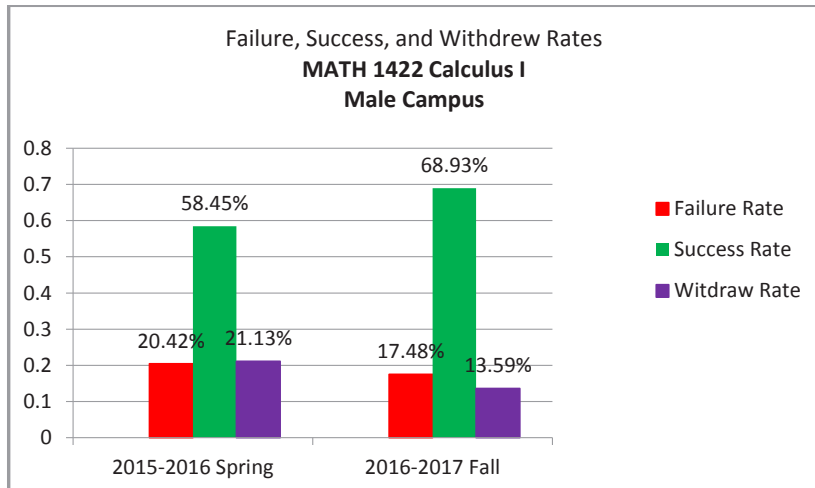
Campus	2009	2010	2011	2012	2013	2014	2015	2016
Male	10	10	15	17	23	22	23	21
Female	9	10	11	12	17	19	18	23



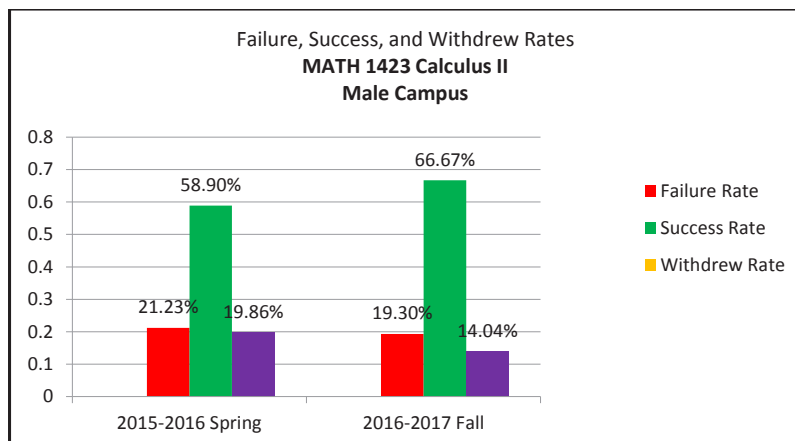
Success, Failure, and Withdraw Rate in Mathematics and Natural Sciences

Male Campus

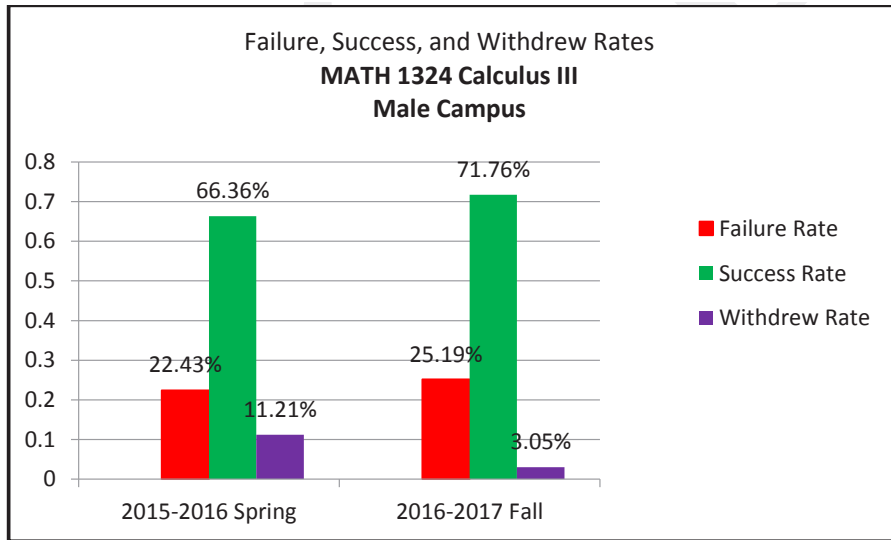
MATH 1422 Calculus I				
Semester	Total No. of Students	Failure Rate	Success Rate	Withdrew Rate
2015-2016 Spring	142	20.42%	58.45%	21.13%
2016-2017 Fall	206	17.48%	68.93%	13.59%



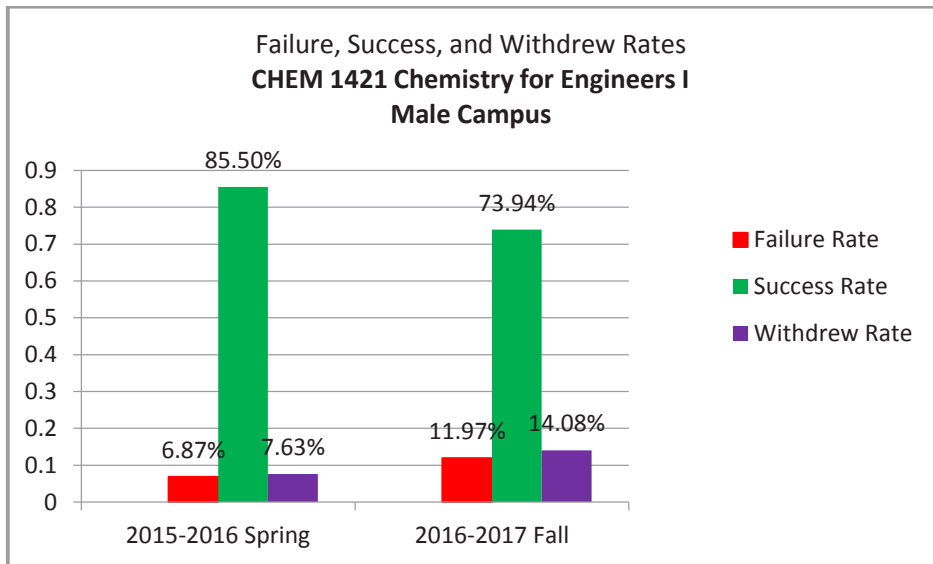
MATH 1423 Calculus II				
Semester	Total No. of Students	Failure Rate	Success Rate	Withdrew Rate
2015-2016 Spring	146	21.23%	58.90%	19.86%
2016-2017 Fall	114	19.30%	66.67%	14.04%



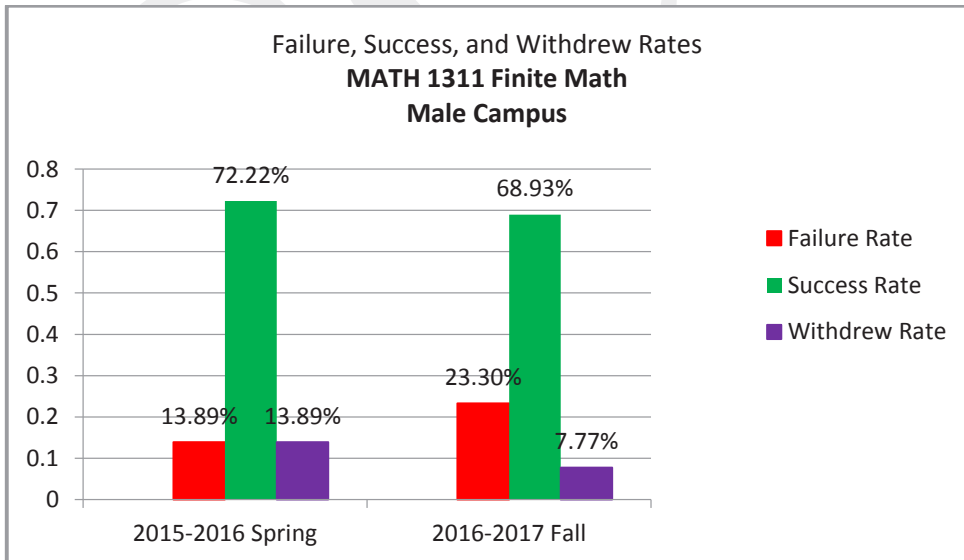
MATH 1324 Calculus III				
Semester	Total No. of Students	Failure Rate	Success Rate	Withdrew Rate
2015-2016 Spring	107	22.43%	66.36%	11.21%
2016-2017 Fall	131	25.19%	71.76%	3.05%



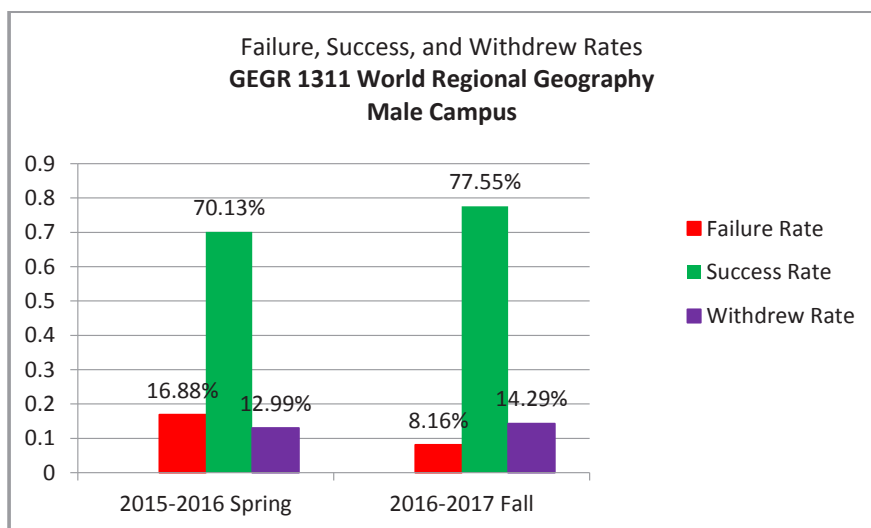
CHEM 1421 Chemistry for Engineers I				
Semester	Total No. of Students	Failure Rate	Success Rate	Withdrew Rate
2015-2016 Spring	131	6.87%	85.50%	7.63%
2016-2017 Fall	142	11.97%	73.94%	14.08%



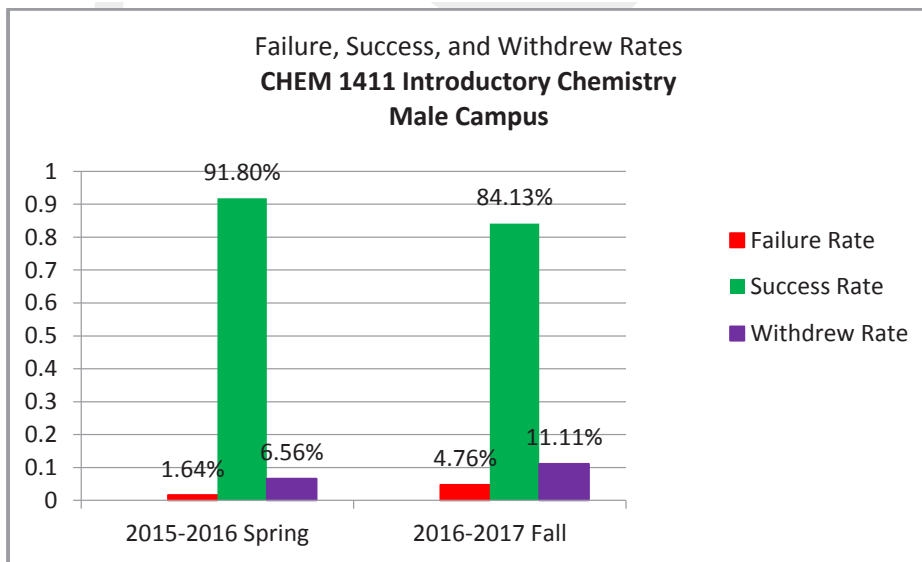
MATH 1311 Finite Math				
Semester	Total No. of Students	Failure Rate	Success Rate	Withdrew Rate
2015-2016 Spring	72	13.89%	72.22%	13.89%
2016-2017 Fall	103	23.30%	68.93%	7.77%



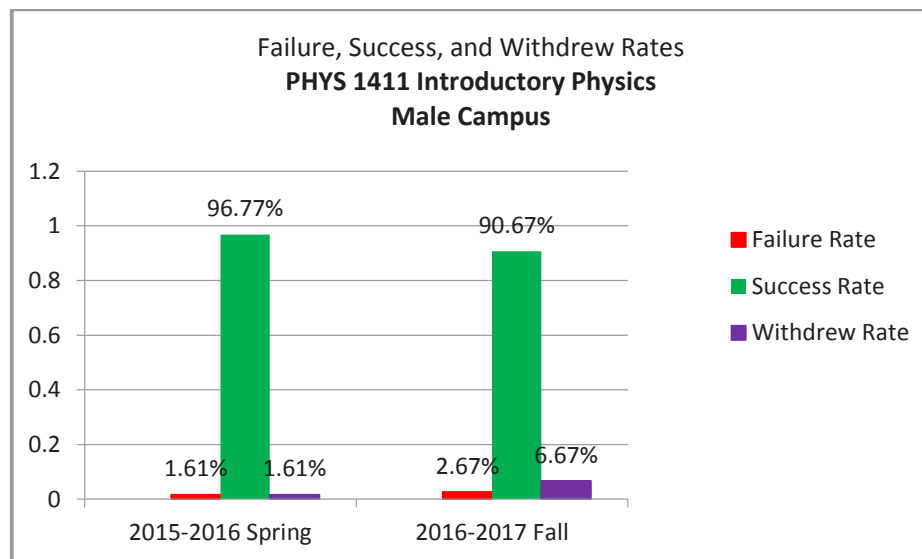
GEGR World Regional Geography				
Semester	Total No. of Students	Failure Rate	Success Rate	Withdrew Rate
2015-2016 Spring	77	16.88%	70.13%	12.99%
2016-2017 Fall	49	8.16%	77.55%	14.29%



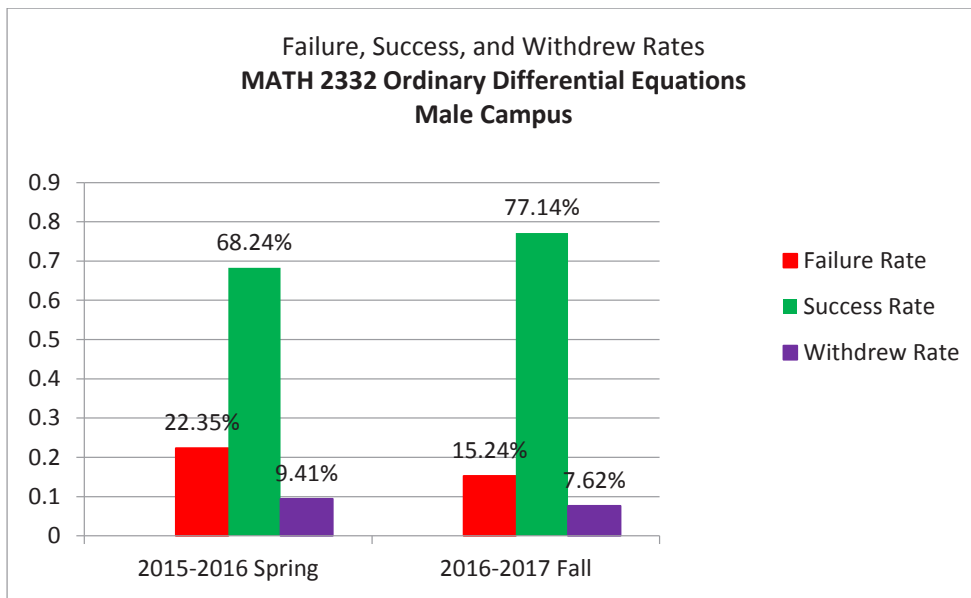
CHEM 1411 Introductory Chemistry				
Semester	Total No. of Students	Failure Rate	Success Rate	Withdrew Rate
2015-2016 Spring	61	1.64%	91.80%	6.56%
2016-2017 Fall	63	4.76%	84.13%	11.11%



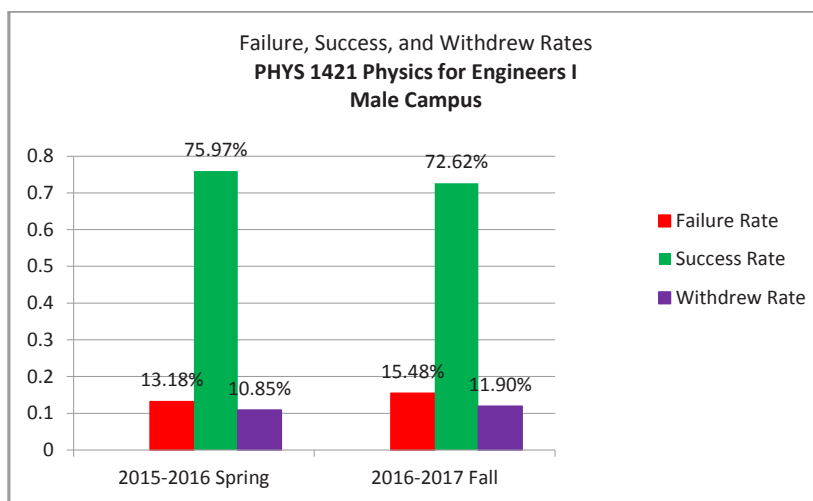
PHYS 1411 Introductory Physics			
Total No. of Students	Failure Rate	Success Rate	Withdrew Rate
62	1.61%	96.77%	1.61%
75	2.67%	90.67%	6.67%



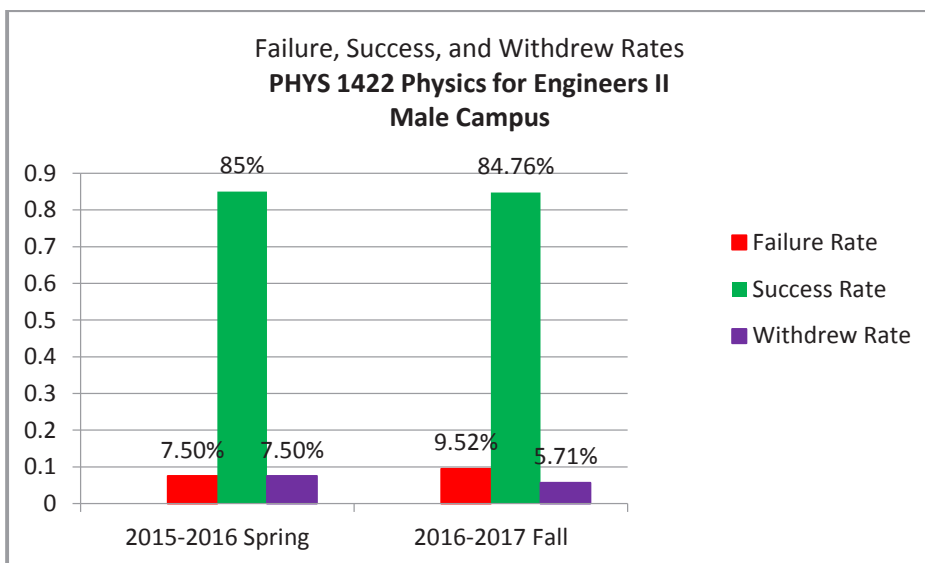
MATH 2332 Ordinary Differential Equations				
Semester	Total No. of Students	Failure Rate	Success Rate	Withdrew Rate
2015-2016 Spring	85	22.35%	68.24%	9.41%
2016-2017 Fall	105	15.24%	77.14%	7.62%



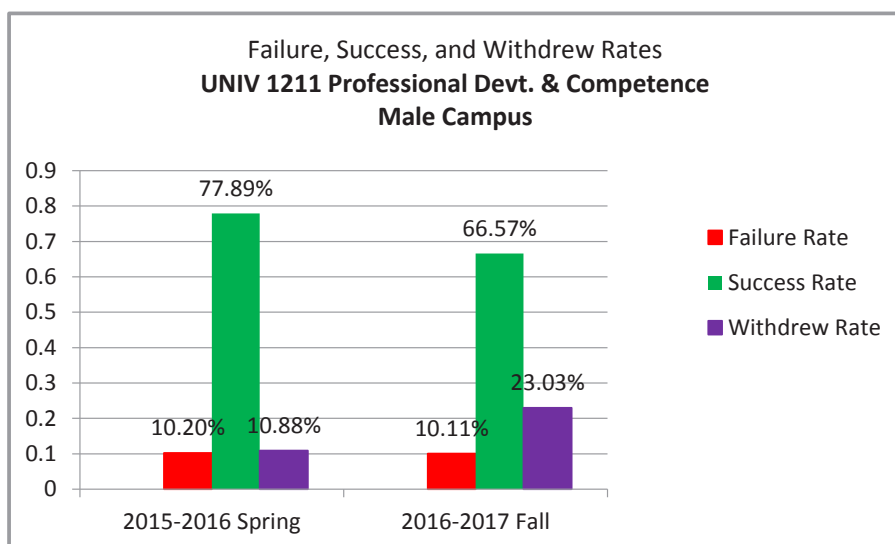
PHYS 1421 Physics for Engineers I				
Semester	Total No. of Students	Failure Rate	Success Rate	Withdrew Rate
2015-2016 Spring	129	13.18%	75.97%	10.85%
2016-2017 Fall	168	15.48%	72.62%	11.90%



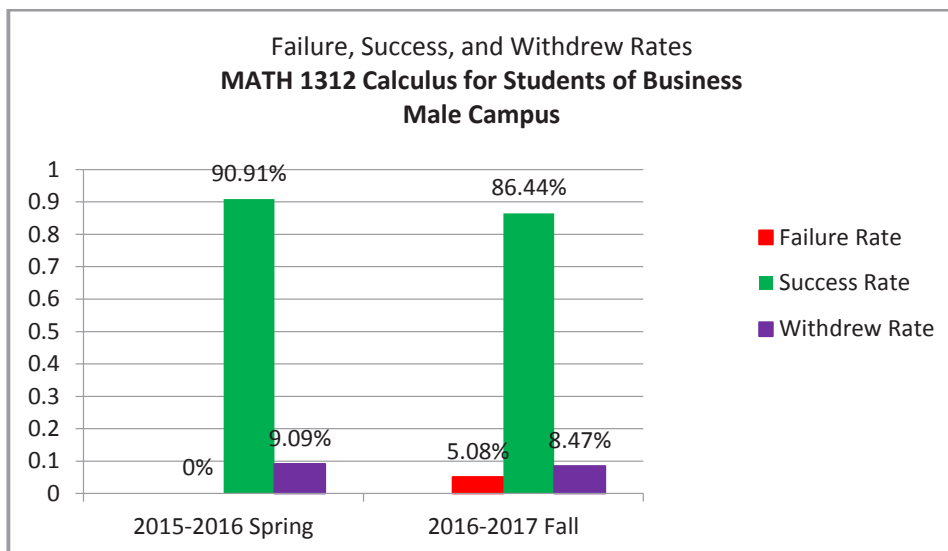
PHYS 1422 Physics for Engineers II				
Semester	Total No. of Students	Failure Rate	Success Rate	Withdrew Rate
2015-2016 Spring	120	7.50%	85%	7.50%
2016-2017 Fall	105	9.52%	84.76%	5.71%



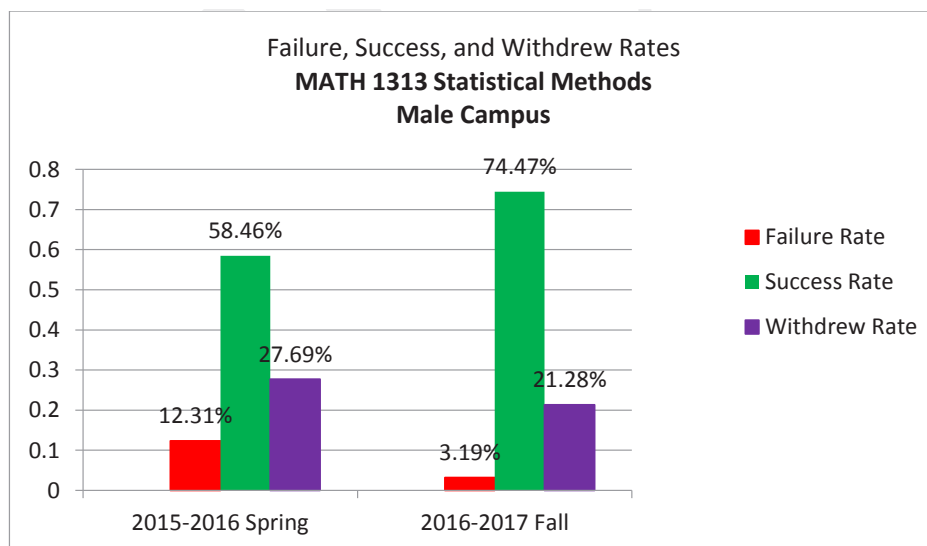
UNIV 1211 Professional Development and Competences				
Semester	Total No. of Students	Failure Rate	Success Rate	Withdrew Rate
2015-2016 Spring	294	10.20%	77.89%	10.88%
2016-2017 Fall	356	10.11%	66.57%	23.03%



MATH 1312 Calculus for Students of Business				
Semester	Total No. of Students	Failure Rate	Success Rate	Withdrew Rate
2015-2016 Spring	55	0%	90.91%	9.09%
2016-2017 Fall	59	5.08%	86.44%	8.47%

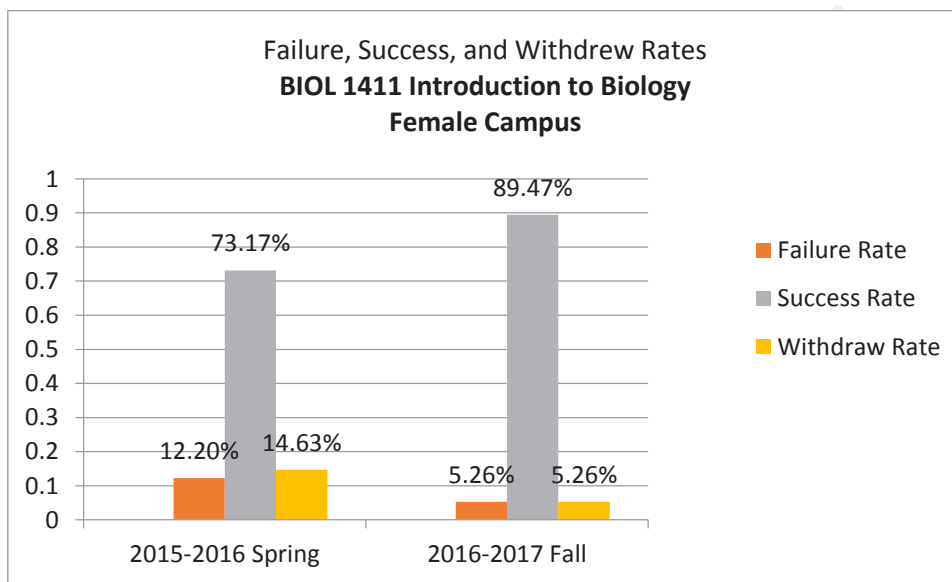


MATH 1313 Statistical Methods				
Semester	Total No. of Students	Failure Rate	Success Rate	Withdrew Rate
2015-2016 Spring	65	12.31%	58.46%	27.69%
2016-2017 Fall	94	3.19%	74.47%	21.28%



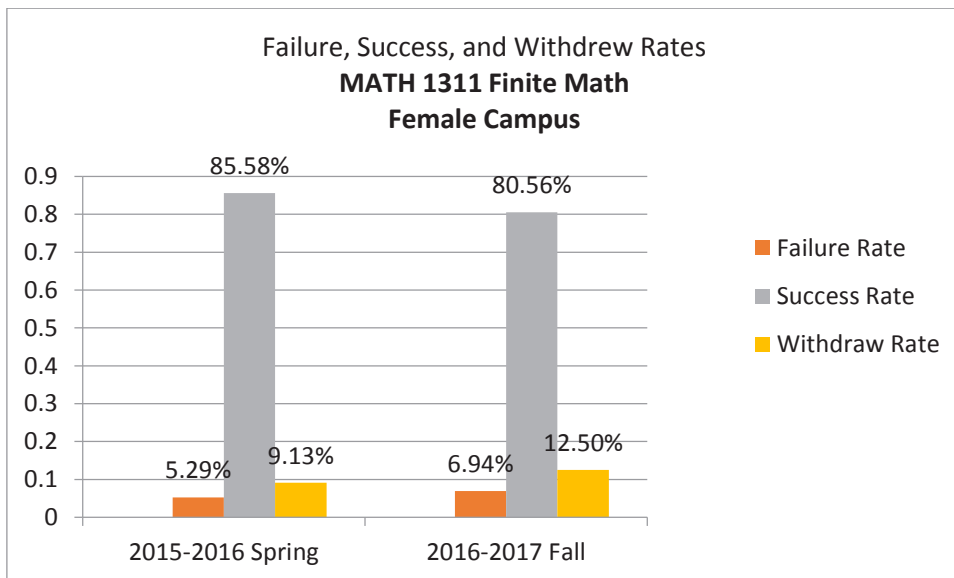
Female Campus

BIOL 1411 Introduction to Biology				
	Total No. of	Failure Rate	Success Rate	Withdraw Rate
2015-2016 Spring	41	12.20%	73.17%	14.63%
2016-2017 Fall	19	5.26%	89.47%	5.26%



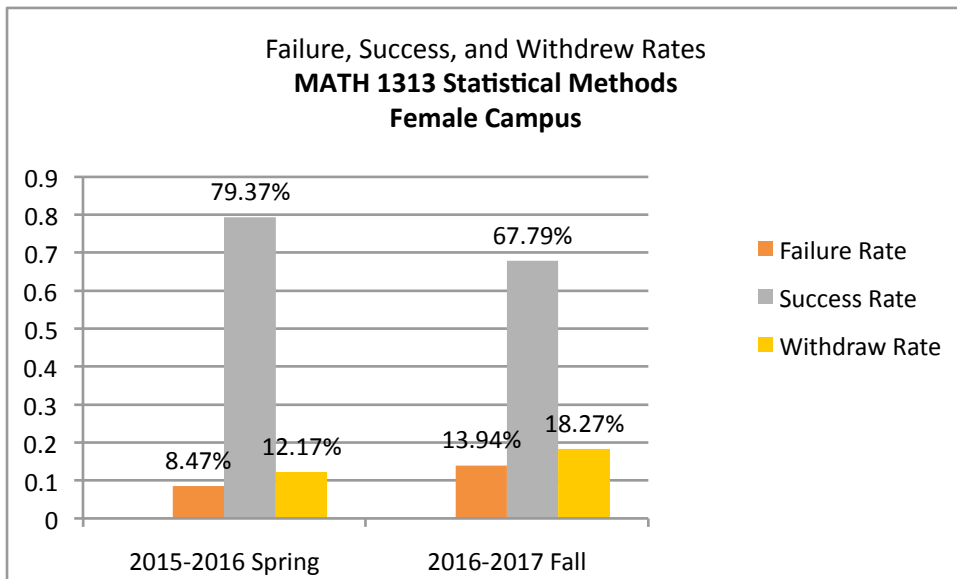
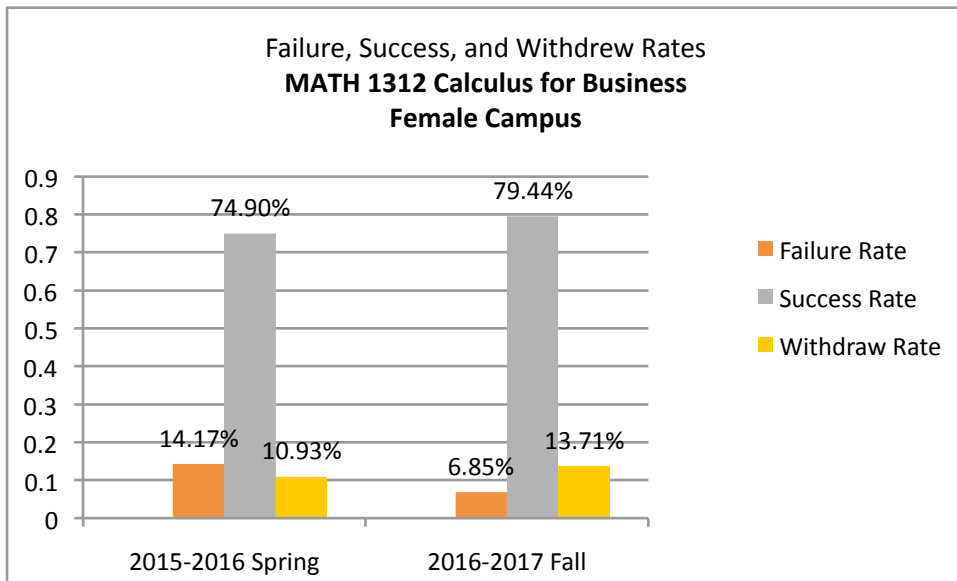
CHEM 1411 Introductory Chemistry				
	Total No. of	Failure Rate	Success Rate	Withdraw Rate
2015-2016 Spring	181	2.21%	93.92%	3.87%
2016-2017 Fall	178	4.49%	91.57%	3.93%

MATH 1311 Finite Math				
	Total No. of	Failure Rate	Success Rate	Withdraw Rate
2015-2016 Spring	208	5.29%	85.58%	9.13%
2016-2017 Fall	216	6.94%	80.56%	12.50%



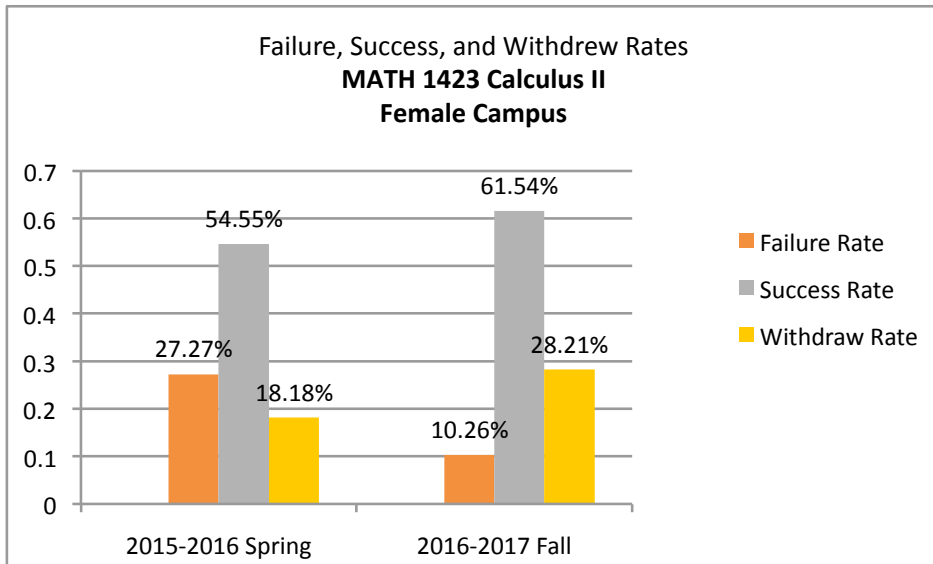
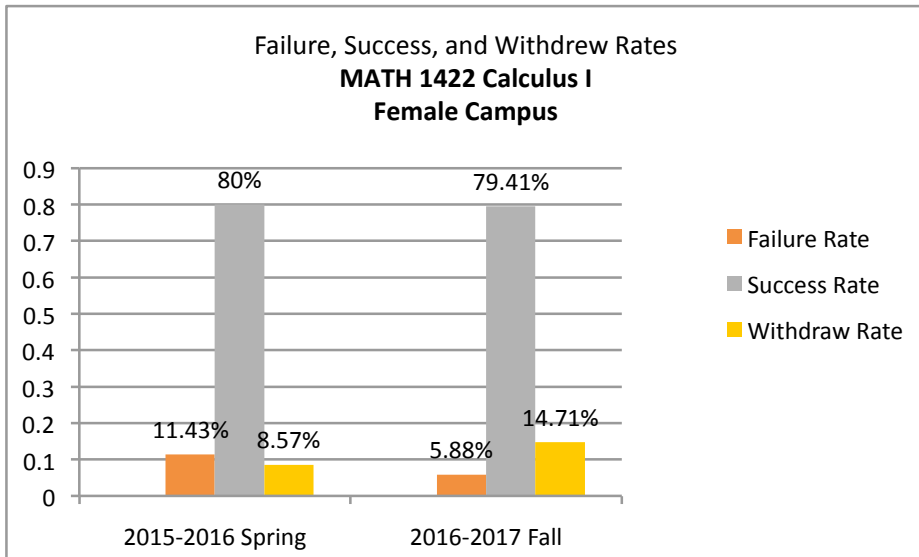
MATH 1312 Calculus for Students of Business				
	Total No. of Students	Failure Rate	Success Rate	Withdraw Rate
2015-2016 Spring	247	14.17%	74.90%	10.93%
2016-2017 Fall	248	6.85%	79.44%	13.71%

MATH 1313 Statistical Methods				
	Total No. of Students	Failure Rate	Success Rate	Withdraw Rate
2015-2016 Spring	189	8.47%	79.37%	12.17%
2016-2017 Fall	208	13.94%	67.79%	18.27%



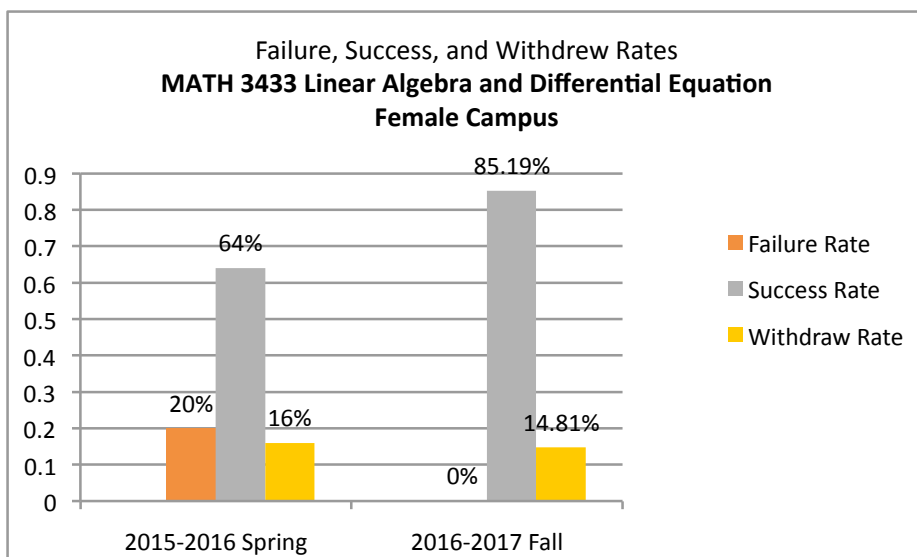
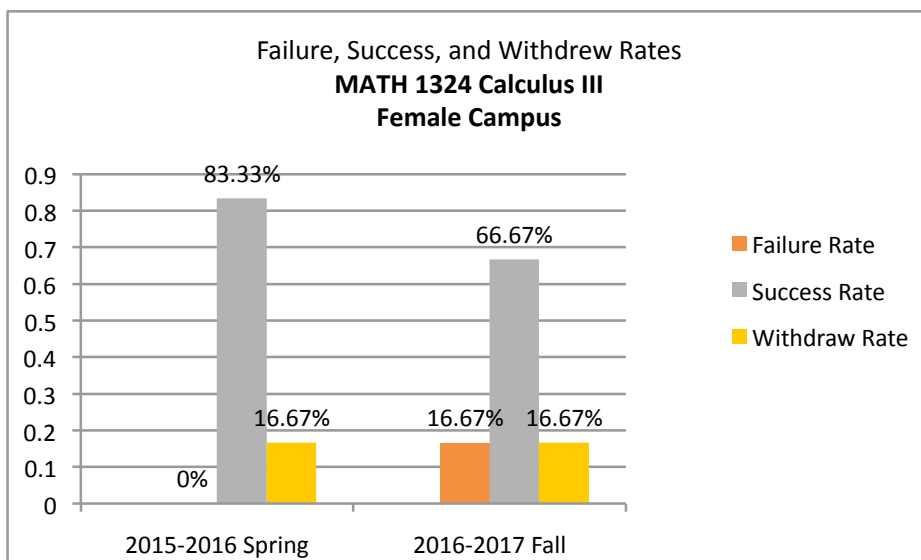
MATH 1422 Calculus I				
	Total No. of Students	Failure Rate	Success Rate	Withdraw Rate
2015-2016 Spring	35	11.43%	80%	8.57%
2016-2017 Fall	34	5.88%	79.41%	14.71%

MATH 1423 Calculus II				
	Total No. of Students	Failure Rate	Success Rate	Withdraw Rate
2015-2016 Spring	22	27.27%	54.55%	18.18%
2016-2017 Fall	39	10.26%	61.54%	28.21%

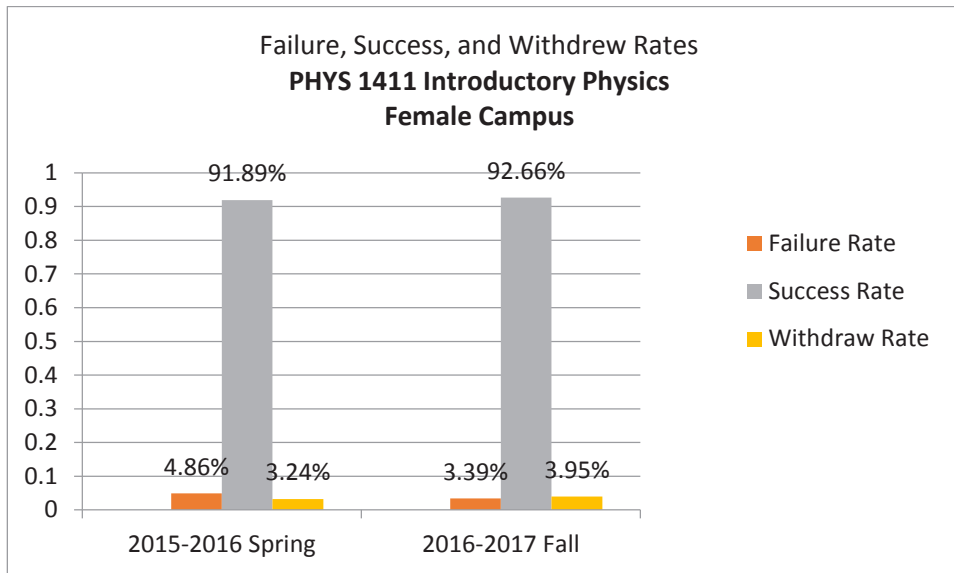


MATH 1324 Calculus III				
	Total No. of Students	Failure Rate	Success Rate	Withdraw Rate
2015-2016 Spring	18	0%	83.33%	16.67%
2016-2017 Fall	12	16.67%	66.67%	16.67%

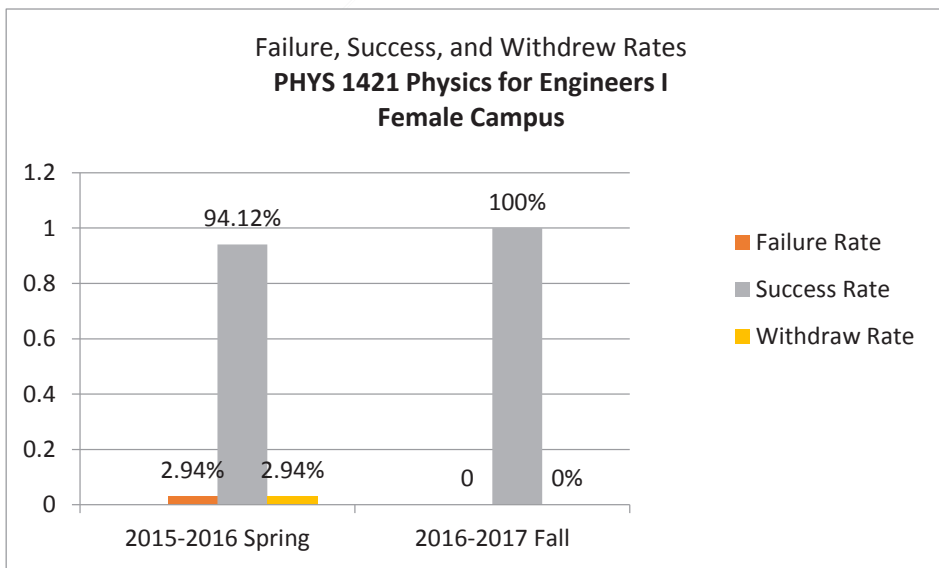
MATH 3433 Linear Algebra and Diff. Equation			
Total No. of	Failure Rate	Success Rate	Withdraw Rate
25	20%	64%	16%
27	0%	85.19%	14.81%



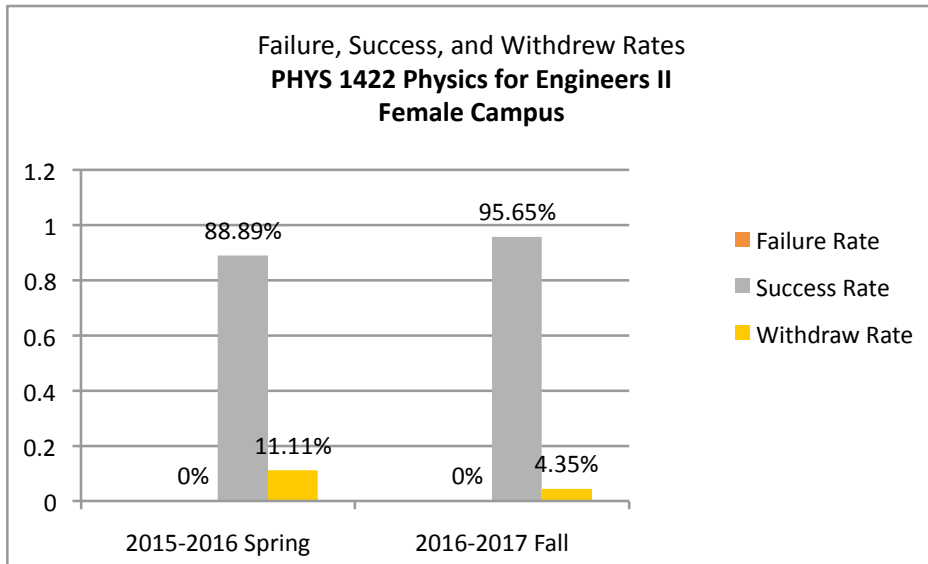
PHYS 1411 Introductory Physics				
	Total No. of Students	Failure Rate	Success Rate	Withdraw Rate
2015-2016 Spring	185	4.86%	91.89%	3.24%
2016-2017 Fall	177	3.39%	92.66%	3.95%



PHYS 1421 Physics for Engineers I				
	Total No. of Students	Failure Rate	Success Rate	Withdraw Rate
2015-2016 Spring	34	2.94%	94.12%	2.94%
2016-2017 Fall	27	0%	100%	0%



PHYS 1422 Physics for Engineers II				
	Total No. of Students	Failure Rate	Success Rate	Withdraw Rate
2015-2016 Spring	18	0%	88.89%	11.11%
2016-2017 Fall	23	0%	95.65%	4.35%

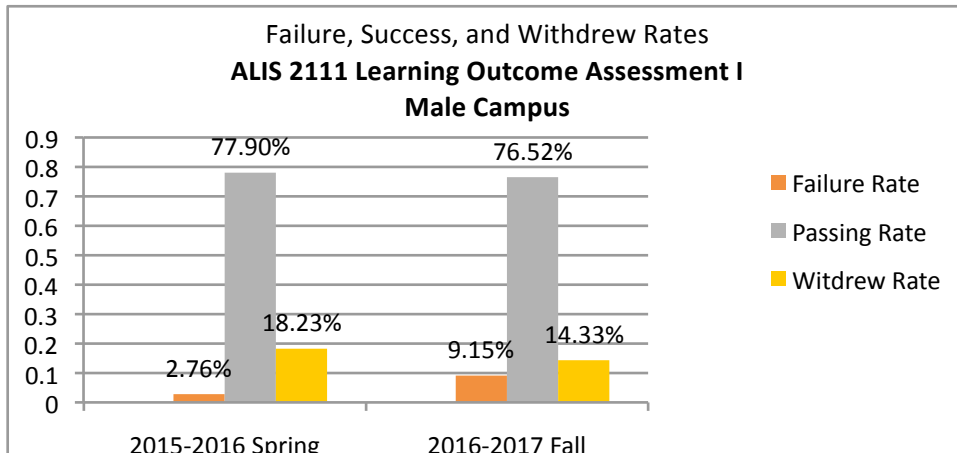




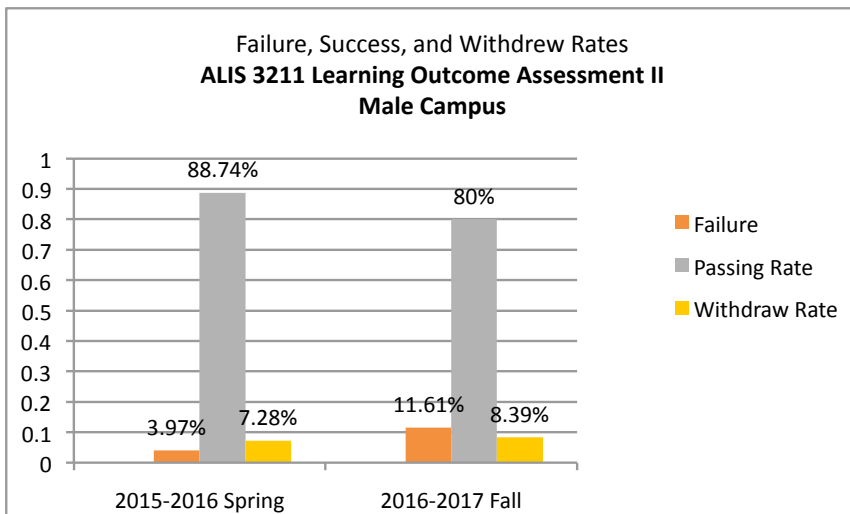
Success, Failure, and Withdraw Rates in Humanities and Social Sciences

Male Campus

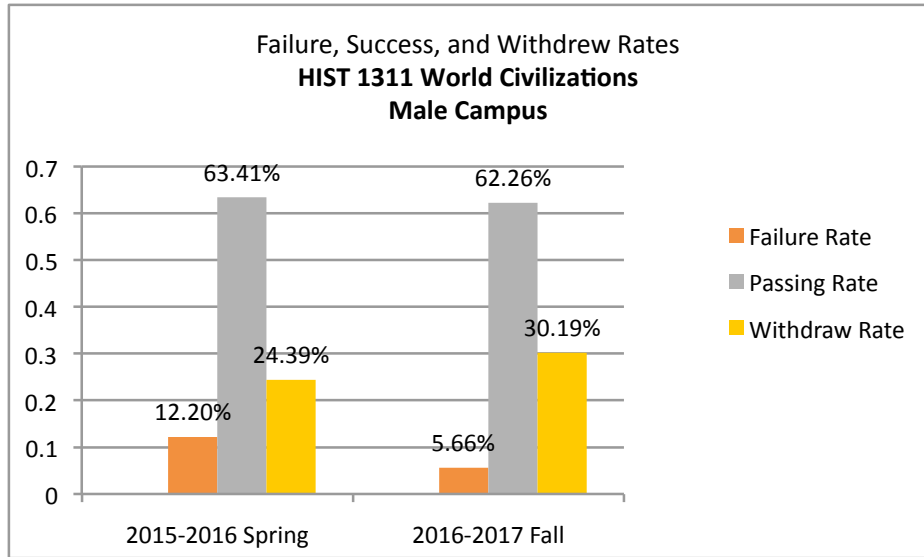
ASSE 2111 Learning Outcome Assessment I				
	Total No. of Students	Failure Rate	Passing Rate	Withdraw Rate
2015-2016 Spring	181	2.76%	77.90%	18.23%
2016-2017 Fall	328	9.15%	76.52%	14.33%



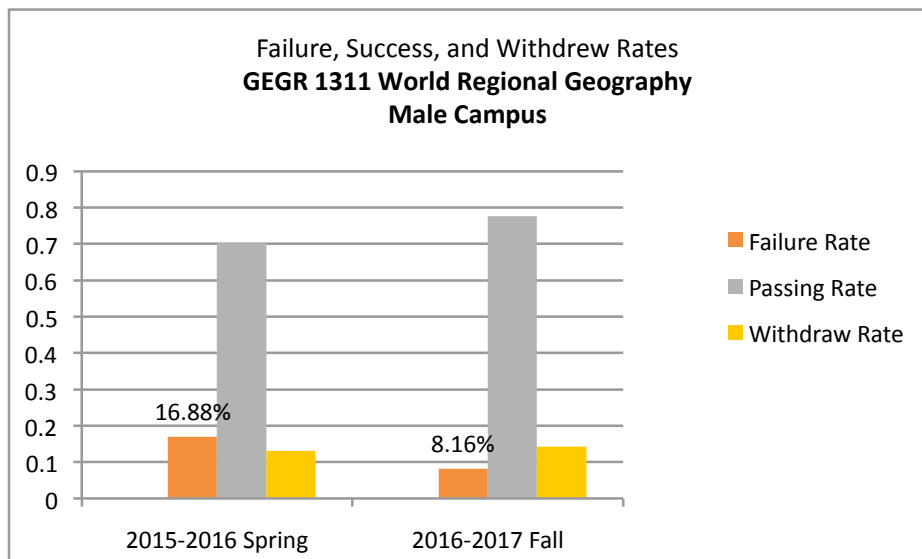
ASSE 3211 Learning Outcome Assessment II				
	Total No. of Students	Failure	Passing Rate	Withdraw Rate
2015-2016 Spring	151	3.97%	88.74%	7.28%
2016-2017 Fall	155	11.61%	80%	8.39%



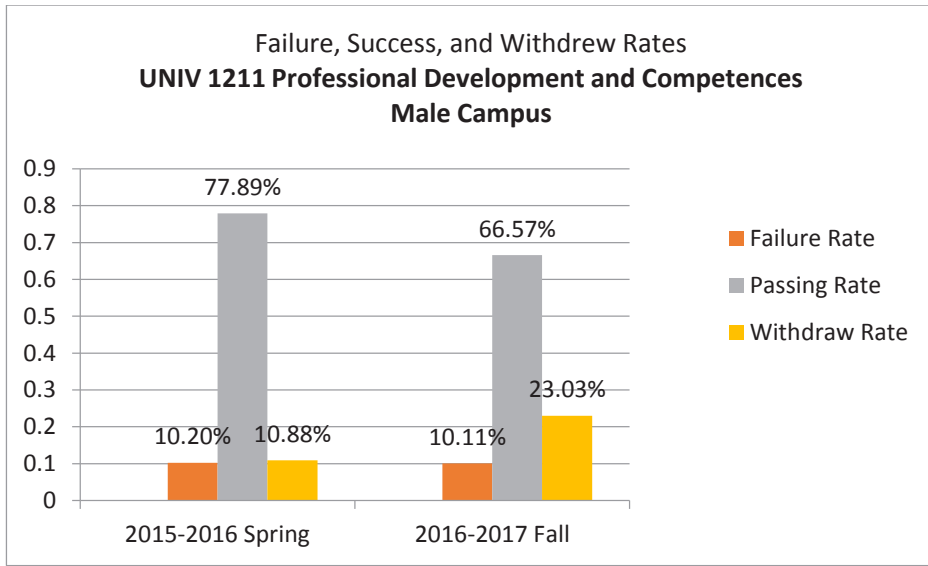
HIST 1311 World Civilizations				
	Total No. of Students	Failure Rate	Passing Rate	Withdraw Rate
2015-2016 Spring	82	12.20%	63.41%	24.39%
2016-2017 Fall	53	5.66%	62.26%	30.19%



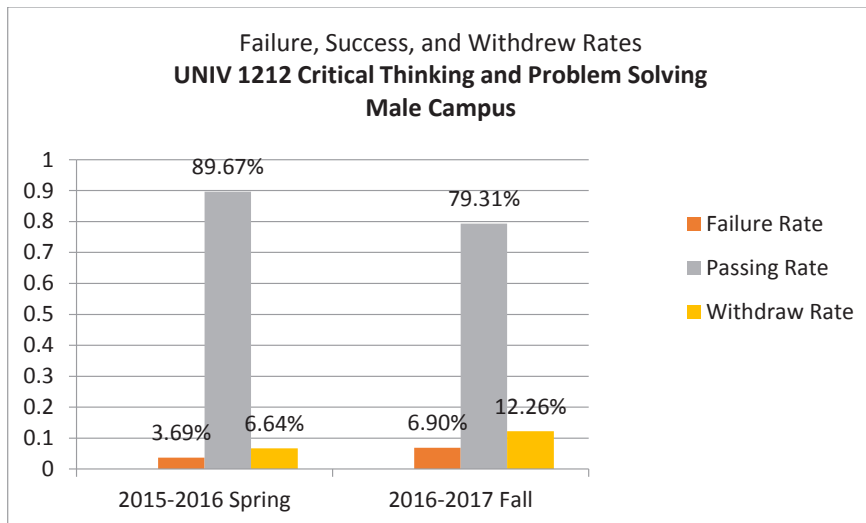
GEGR 1311 World Regional Geography				
	Total No. of Students	Failure Rate	Passing Rate	Withdraw Rate
2015-2016 Spring	77	16.88%	70.13%	12.99%
2016-2017 Fall	49	8.16%	77.55%	14.29%



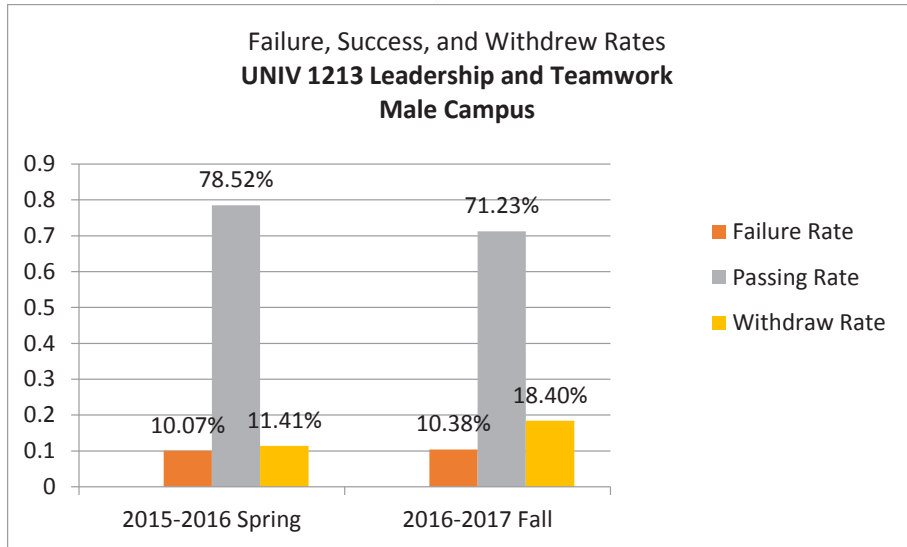
UNIV 1211 Professional Development and Competences				
	Total No. of Students	Failure Rate	Passing Rate	Withdraw Rate
2015-2016 Spring	294	10.20%	77.89%	10.88%
2016-2017 Fall	356	10.11%	66.57%	23.03%



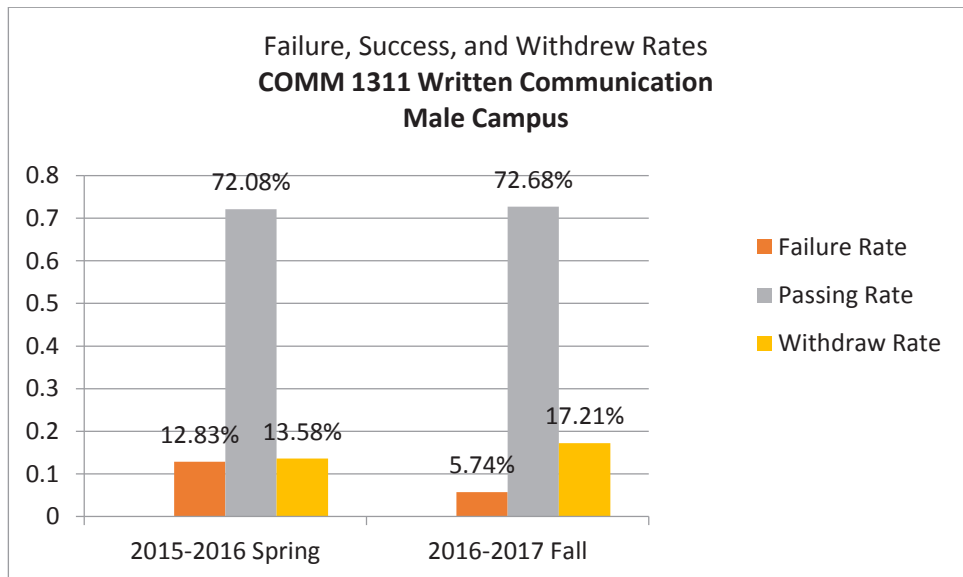
UNIV 1212 Critical Thinking and Problem Solving				
	Total No. of Students	Failure Rate	Passing Rate	Withdraw Rate
2015-2016 Spring	271	3.69%	89.67%	6.64%
2016-2017 Fall	261	6.90%	79.31%	12.26%



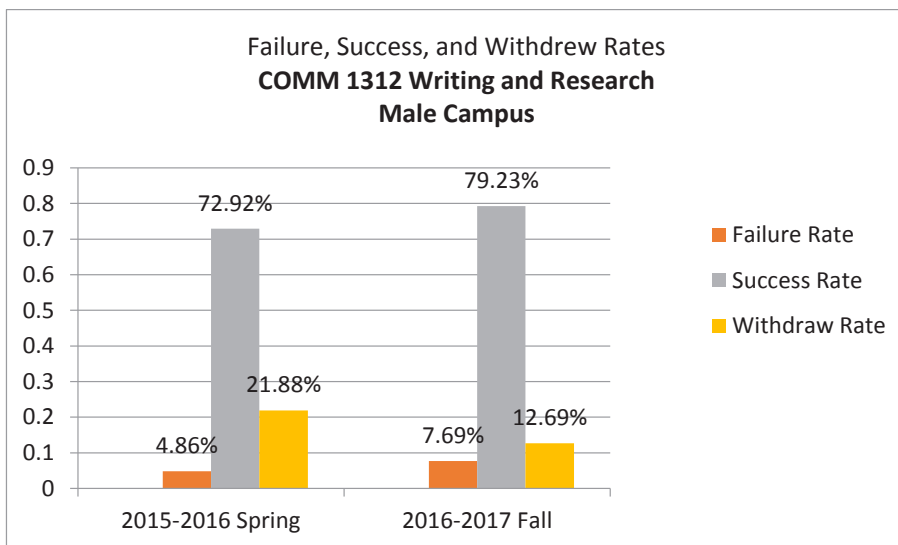
UNIV 1213 Leadership and Teamwork				
	Total No. of Students	Failure Rate	Passing Rate	Withdraw Rate
2015-2016 Spring	149	10.07%	78.52%	11.41%
2016-2017 Fall	212	10.38%	71.23%	18.40%



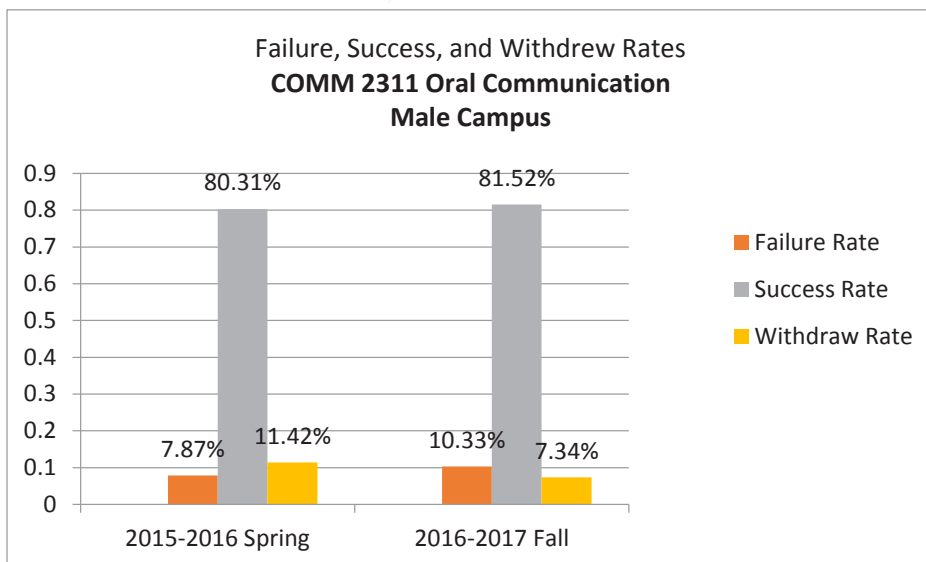
COMM 1311 Written Communication				
	Total No. of Students	Failure Rate	Passing Rate	Withdraw Rate
2015-2016 Spring	265	12.83%	72.08%	13.58%
2016-2017 Fall	366	5.74%	72.68%	17.21%



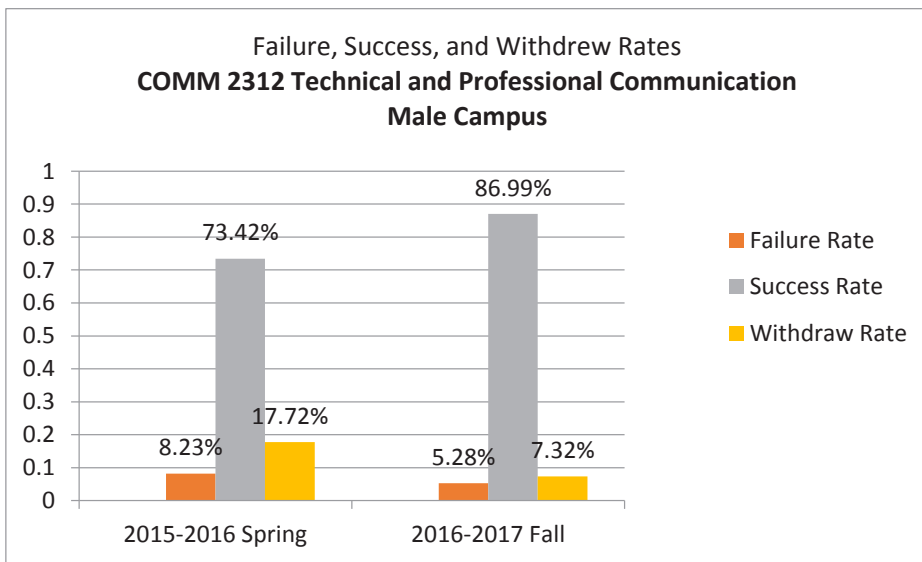
COMM 1312 Writing and Research				
	Total No. of Students	Failure Rate	Success Rate	Withdraw Rate
2015-2016 Spring	288	4.86%	72.92%	21.88%
2016-2017 Fall	260	7.69%	79.23%	12.69%



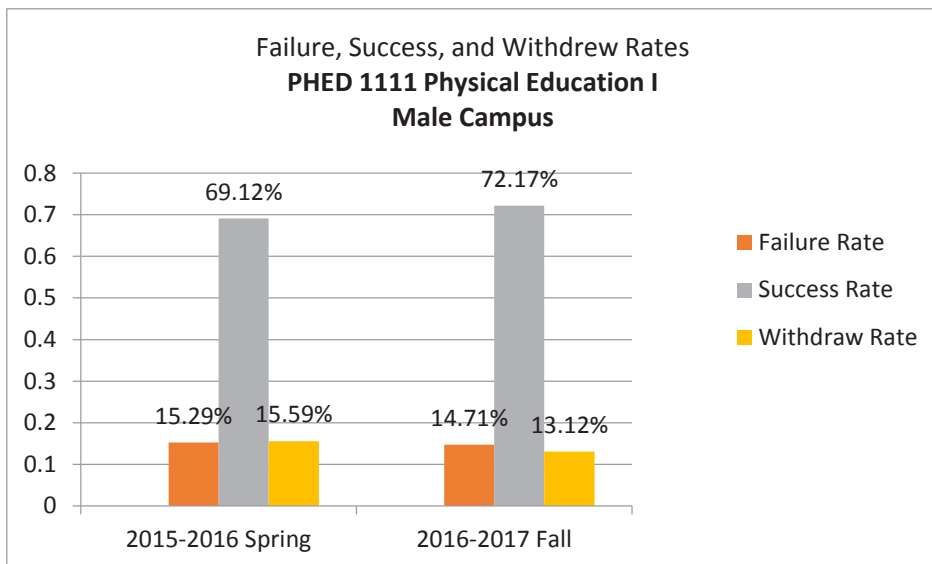
COMM 2311 Oral Communication				
	Total No. of Students	Failure Rate	Success Rate	Withdraw Rate
2015-2016 Spring	254	7.87%	80.31%	11.42%
2016-2017 Fall	368	10.33%	81.52%	7.34%



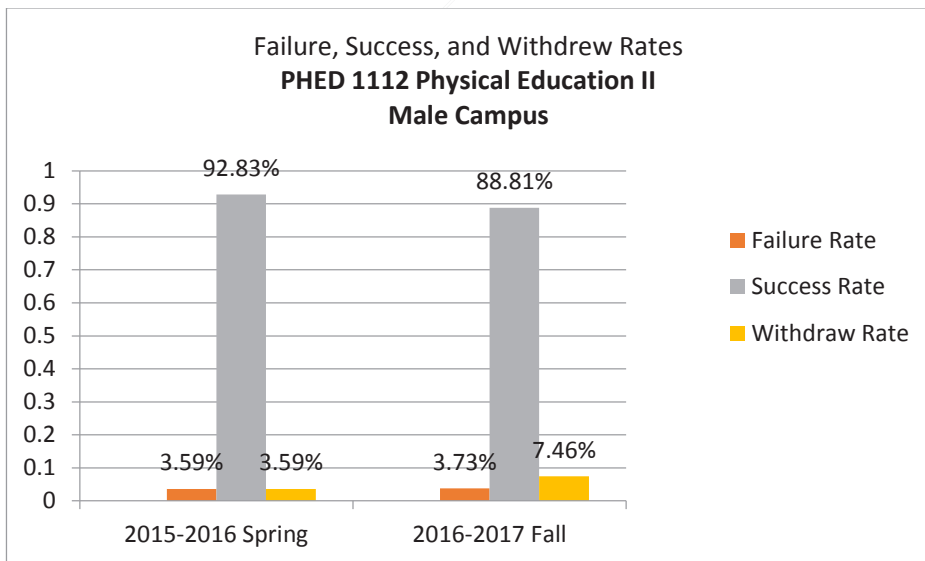
COMM 2312 Technical and Professional Communication				
	Total No. of Students	Failure Rate	Success Rate	Withdraw Rate
2015-2016 Spring	158	8.23%	73.42%	17.72%
2016-2017 Fall	246	5.28%	86.99%	7.32%



PHED 1111 Physical Education I				
	Total No. of Students	Failure Rate	Success Rate	Withdraw Rate
2015-2016 Spring	340	15.29%	69.12%	15.59%
2016-2017 Fall	503	14.71%	72.17%	13.12%

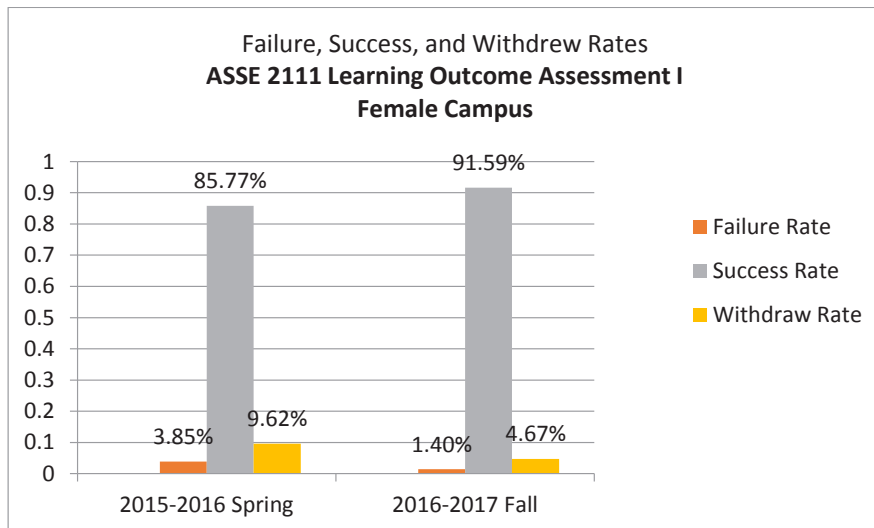


PHED 1112 Physical Education II				
	Total No. of Students	Failure Rate	Success Rate	Withdraw Rate
2015-2016 Spring	251	3.59%	92.83%	3.59%
2016-2017 Fall	268	3.73%	88.81%	7.46%

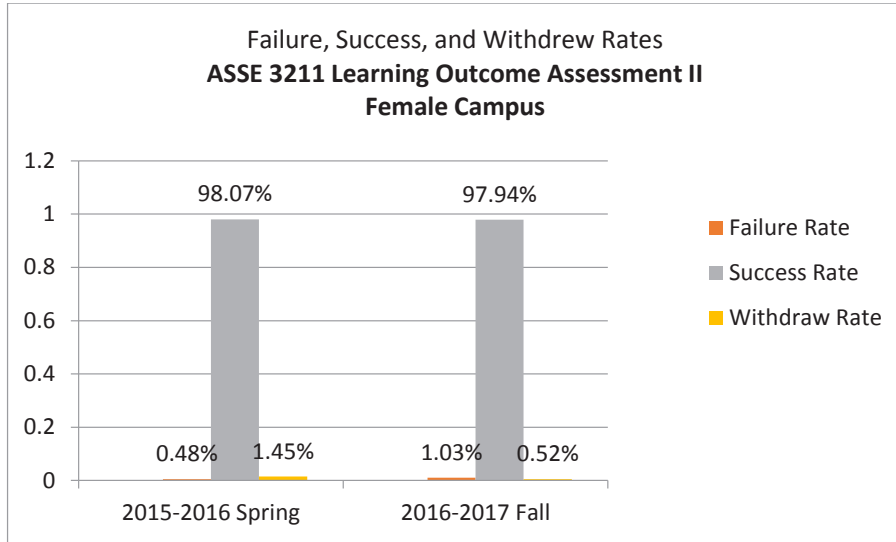


Female Campus

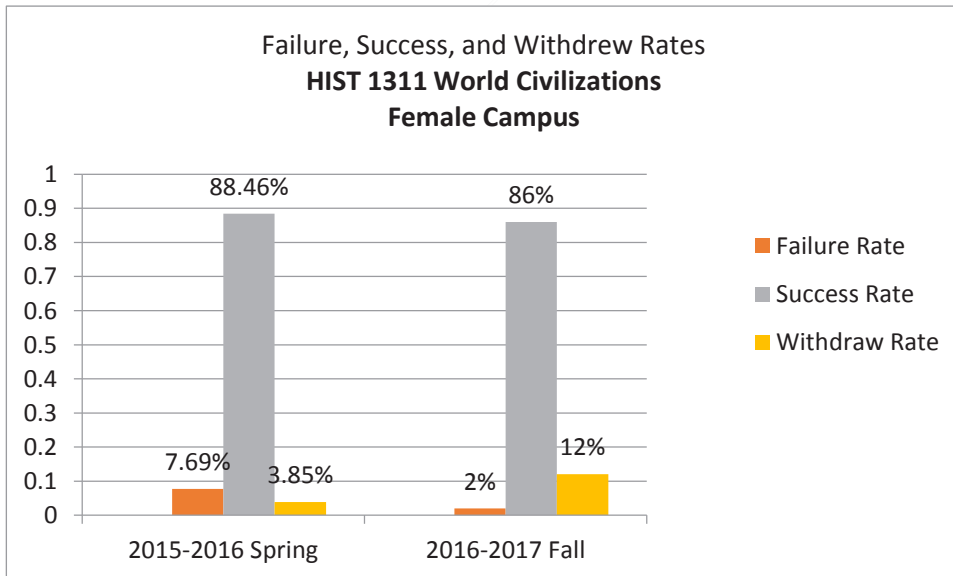
ASSE 2111 Learning Outcome Assessment I				
	Total No. of	Failure Rate	Success Rate	Withdraw Rate
2015-2016 Spring	260	3.85%	85.77%	9.62%
2016-2017 Fall	214	1.40%	91.59%	4.67%



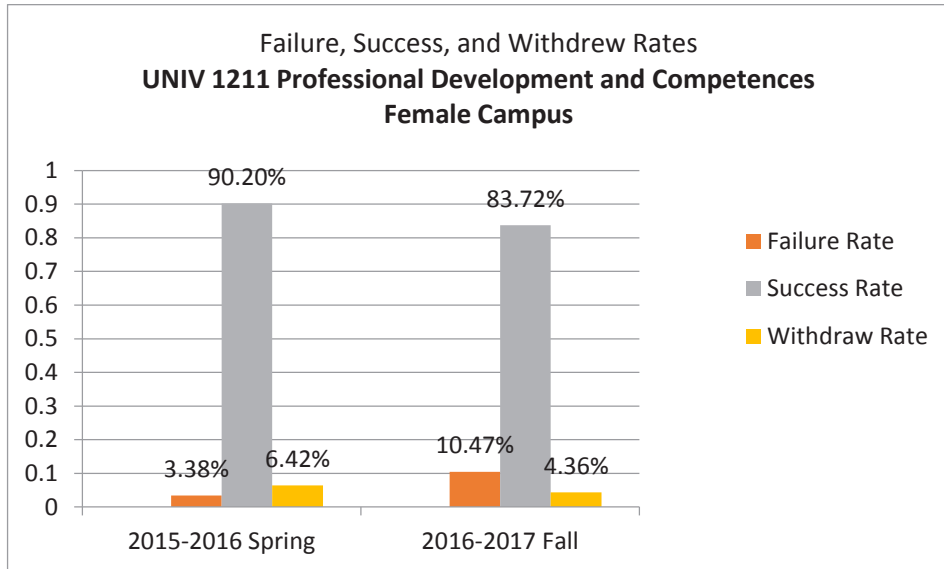
ASSE 3211 Learning Outcome Assessment II				
	Total No. of	Failure Rate	Success Rate	Withdraw Rate
2015-2016 Spring	207	0.48%	98.07%	1.45%
2016-2017 Fall	194	1.03%	97.94%	0.52%



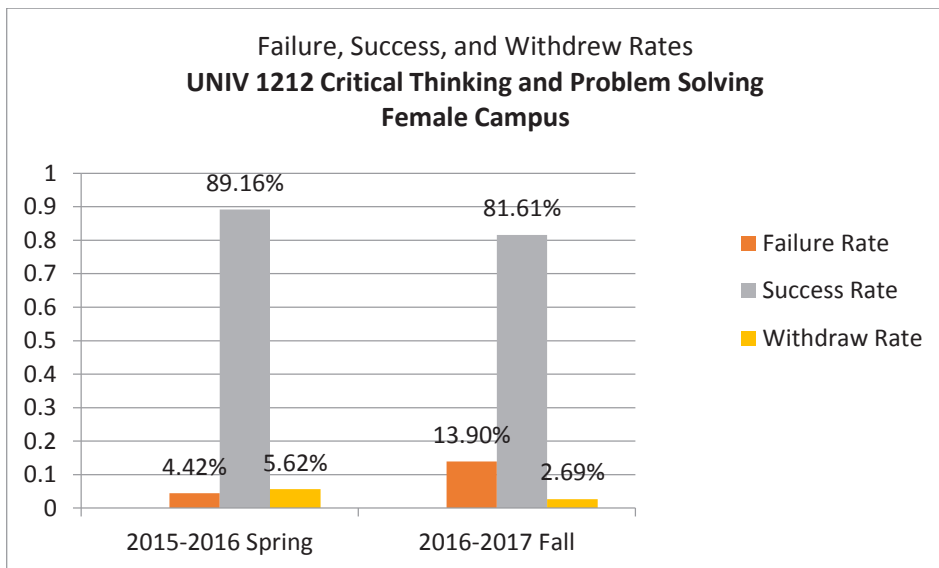
HIST 1311 World Civilizations				
	Total No. of	Failure Rate	Success Rate	Withdraw Rate
2015-2016 Spring	26	7.69%	88.46%	3.85%
2016-2017 Fall	50	2%	86%	12%



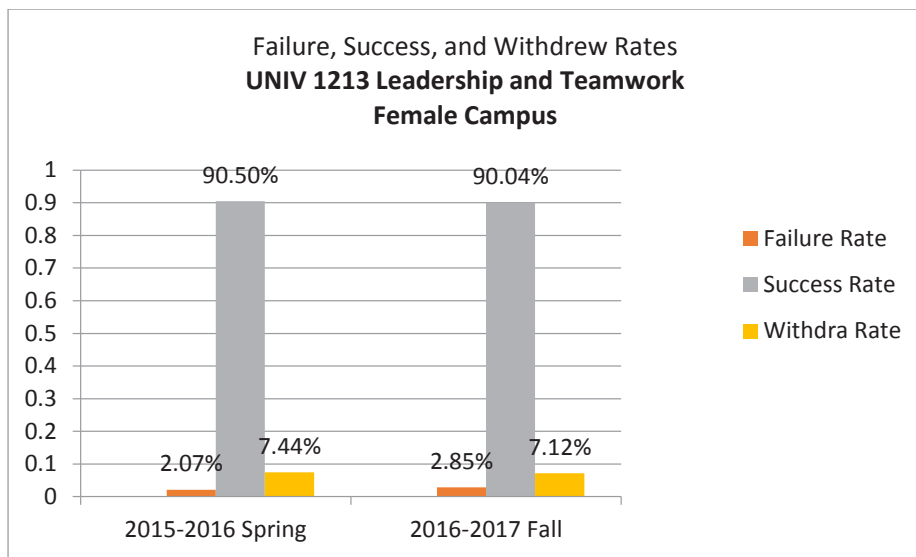
UNIV 1211 Professional Development and Competences				
	Total No. of	Failure Rate	Success Rate	Withdraw Rate
2015-2016 Spring	296	3.38%	90.20%	6.42%
2016-2017 Fall	344	10.47%	83.72%	4.36%



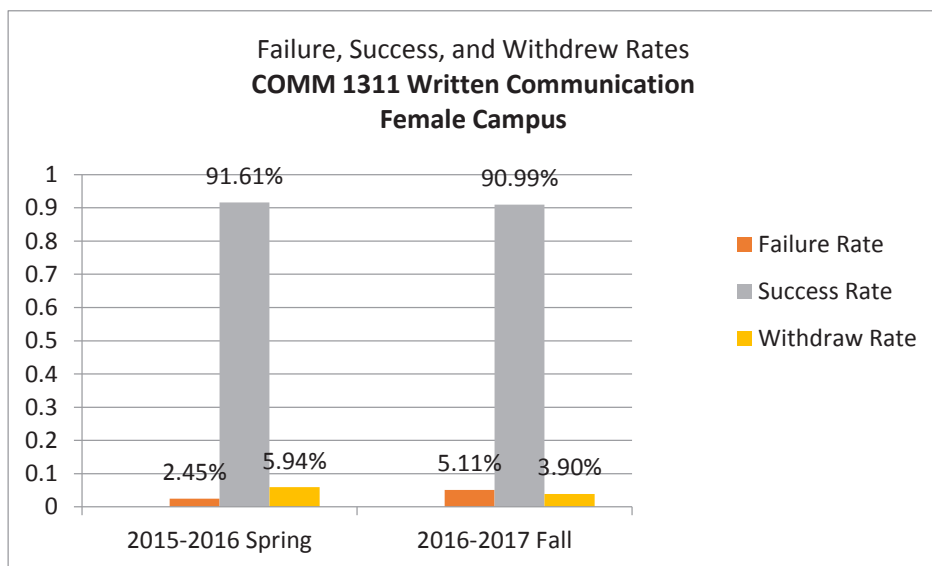
UNIV 1212 Critical Thinking and Problem Solving				
	Total No. of	Failure Rate	Success Rate	Withdraw Rate
2015-2016 Spring	249	4.42%	89.16%	5.62%
2016-2017 Fall	223	13.90%	81.61%	2.69%



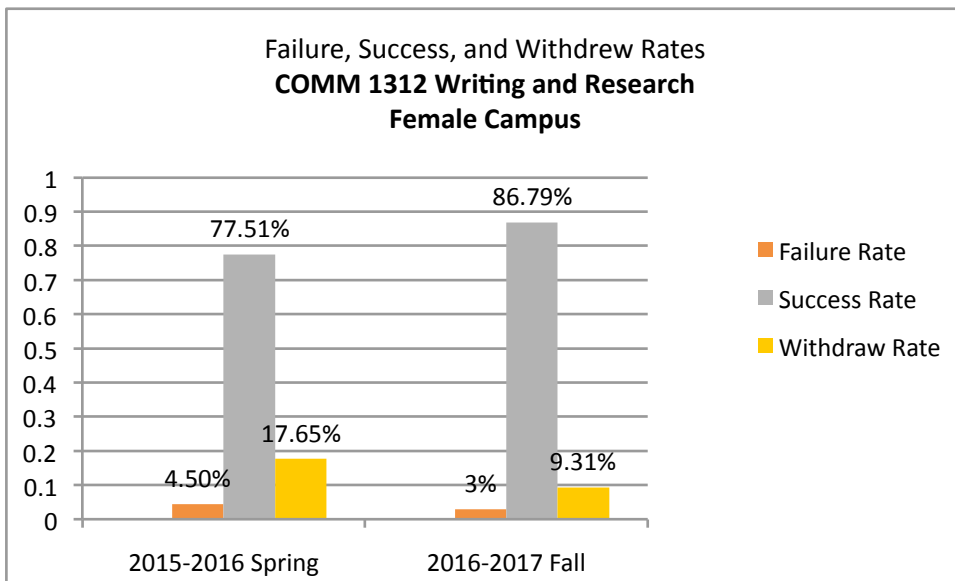
UNIV 1213 Leadership and Teamwork				
	Total No. of	Failure Rate	Success Rate	Withdra Rate
2015-2016 Spring	242	2.07%	90.50%	7.44%
2016-2017 Fall	281	2.85%	90.04%	7.12%



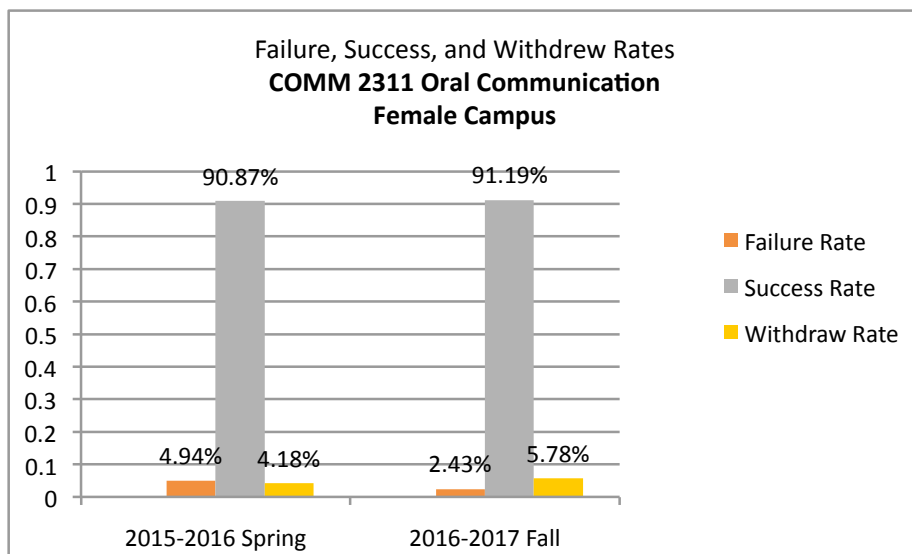
COMM 1311 Written Communication				
	Total No. of	Failure Rate	Success Rate	Withdraw Rate
2015-2016 Spring	286	2.45%	91.61%	5.94%
2016-2017 Fall	333	5.11%	90.99%	3.90%



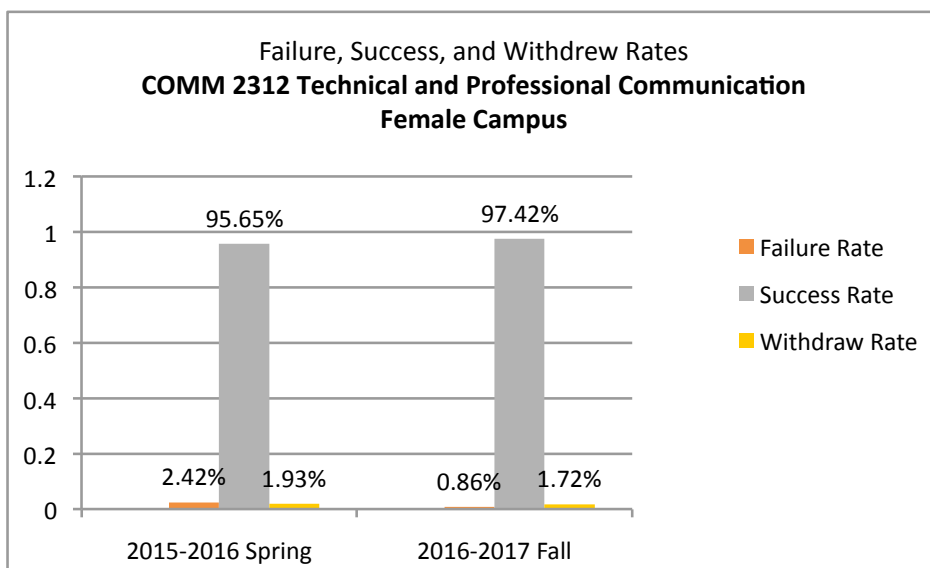
COMM 1312 Writing and Research				
	Total No. of	Failure Rate	Success Rate	Withdraw Rate
2015-2016 Spring	289	4.50%	77.51%	17.65%
2016-2017 Fall	333	3%	86.79%	9.31%



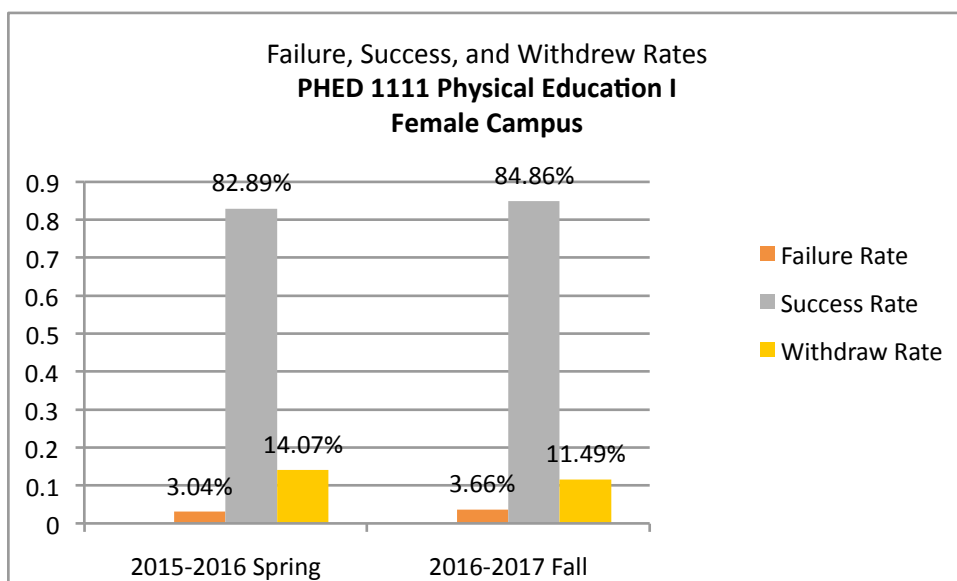
COMM 2311 Oral Communication				
	Total No. of	Failure Rate	Success Rate	Withdraw Rate
2015-2016 Spring	263	4.94%	90.87%	4.18%
2016-2017 Fall	329	2.43%	91.19%	5.78%



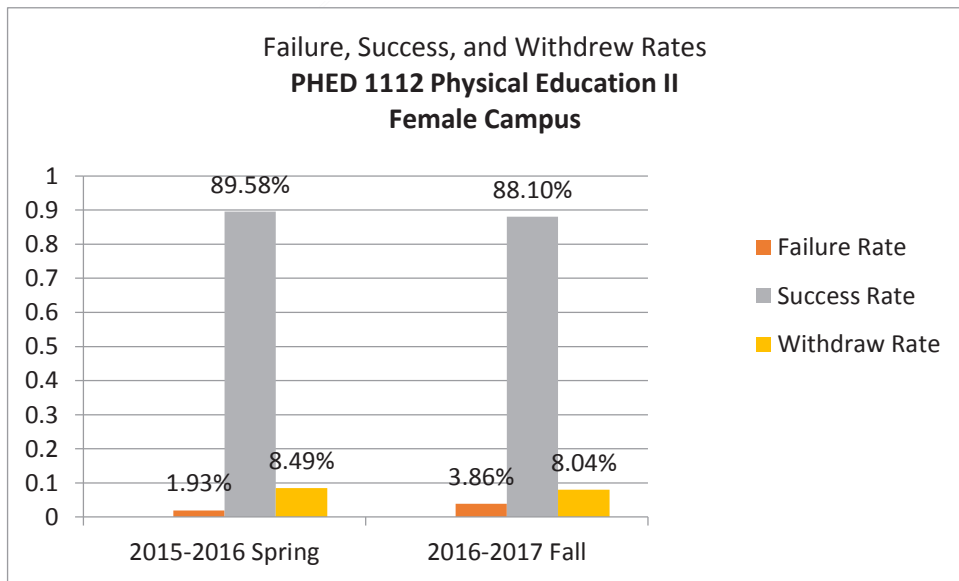
COMM 2312 Technical and Professional Communication				
	Total No. of Students	Failure Rate	Success Rate	Withdraw Rate
2015-2016 Spring	207	2.42%	95.65%	1.93%
2016-2017 Fall	233	0.86%	97.42%	1.72%



PHED 1111 Physical Education I				
	Total No. of Students	Failure Rate	Success Rate	Withdraw Rate
2015-2016 Spring	340	15.29%	69.12%	15.59%
2016-2017 Fall	503	14.71%	72.17%	13.12%



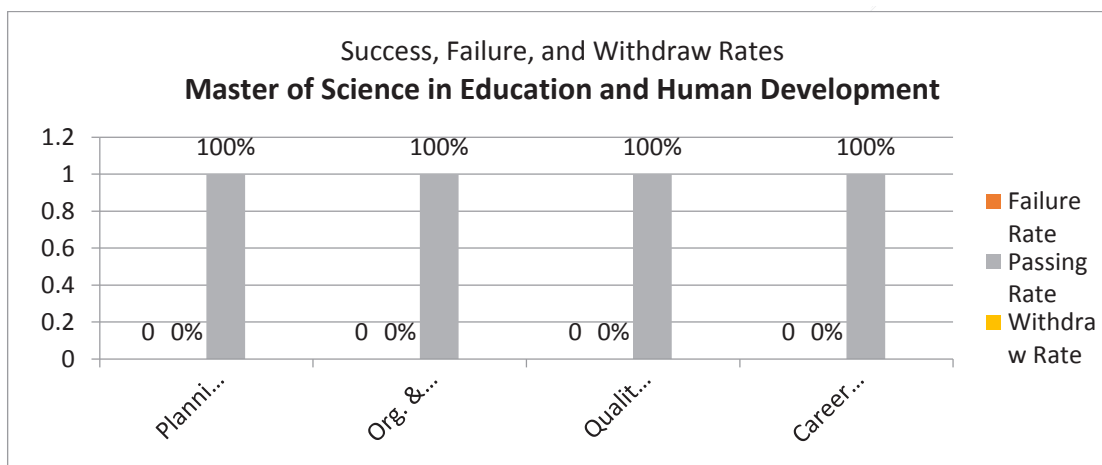
PHED 1112 Physical Education II				
	Total No. of Students	Failure Rate	Success Rate	Withdraw Rate
2015-2016 Spring	251	3.59%	92.83%	3.59%
2016-2017 Fall	268	3.73%	88.81%	7.46%



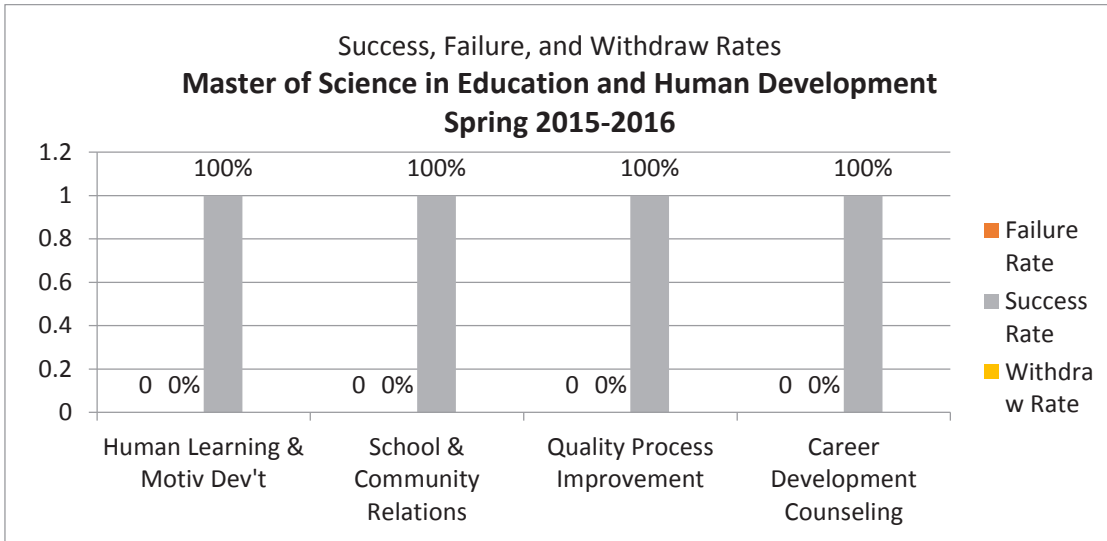
PHED 1112 Physical Education II				
	Total No. of Students	Failure Rate	Success Rate	Withdraw Rate
2015-2016 Spring	251	3.59%	92.83%	3.59%
2016-2017 Fall	268	3.73%	88.81%	7.46%

Success, Failure, and Withdraw Rates in Master of Science in Education and Human Development

Spring 2015-2016						
Course Code	Course No.	Course title	Total No. of Students	Failure Rate	Passing Rate	Withdraw Rate
HURD	5322	Planning & Implementing HRD Prog	15	0%	100%	0%
HURD	5323	Org. & Occupational Analysis	14	0%	100%	0%
HURD	5324	Quality Process Improvement	12	0%	100%	0%
HURD	5325	Career Development Counseling	10	0%	100%	0%



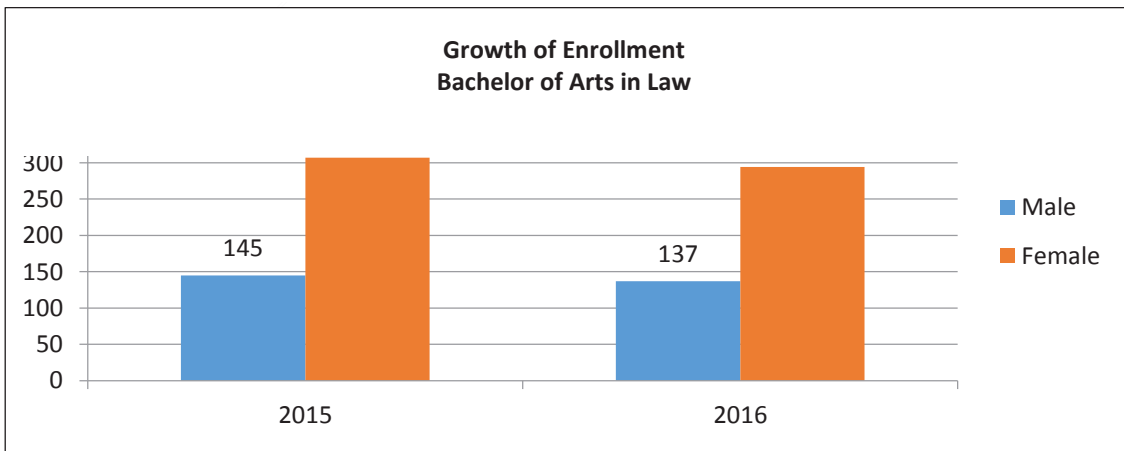
Fall 2016-2017						
Course Code	Course No.	Course Title	Total No. of	Failure Rate	Success Rate	Withdraw Rate
EDUC	5319	Human Learning & Motiv Dev't	10	0%	100%	0%
EDUC	5320	School & Community Relations	8	0%	100%	0%
HURD	5324	Quality Process Improvement	14	0%	100%	0%
HURD	5325	Career Development Counseling	14	0%	100%	0%



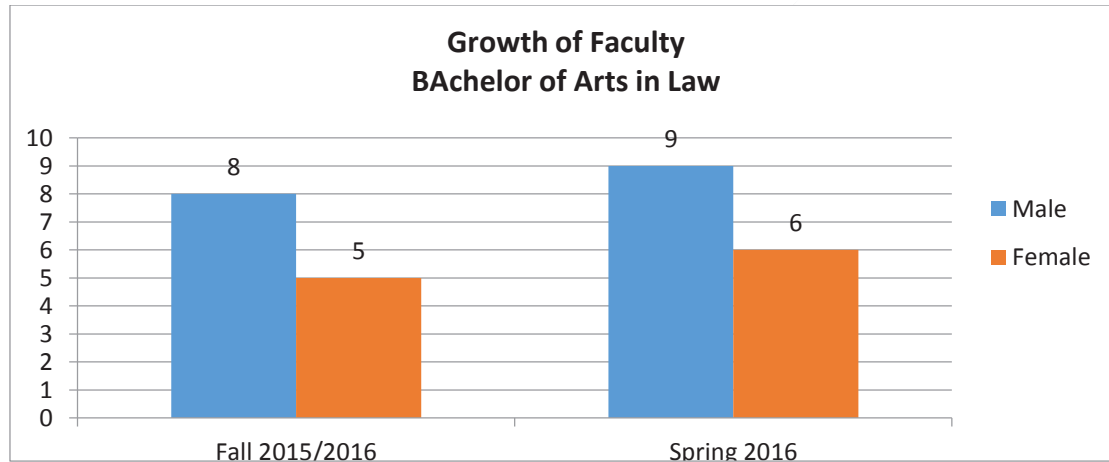
Growth of Enrollment in the Bachelor in Law

Campus	2015	2016
Male	145	137
Female	307	294
TOTAL	452	431

Growth of Enrollment in the Bachelor in Law



Growth of Faculty

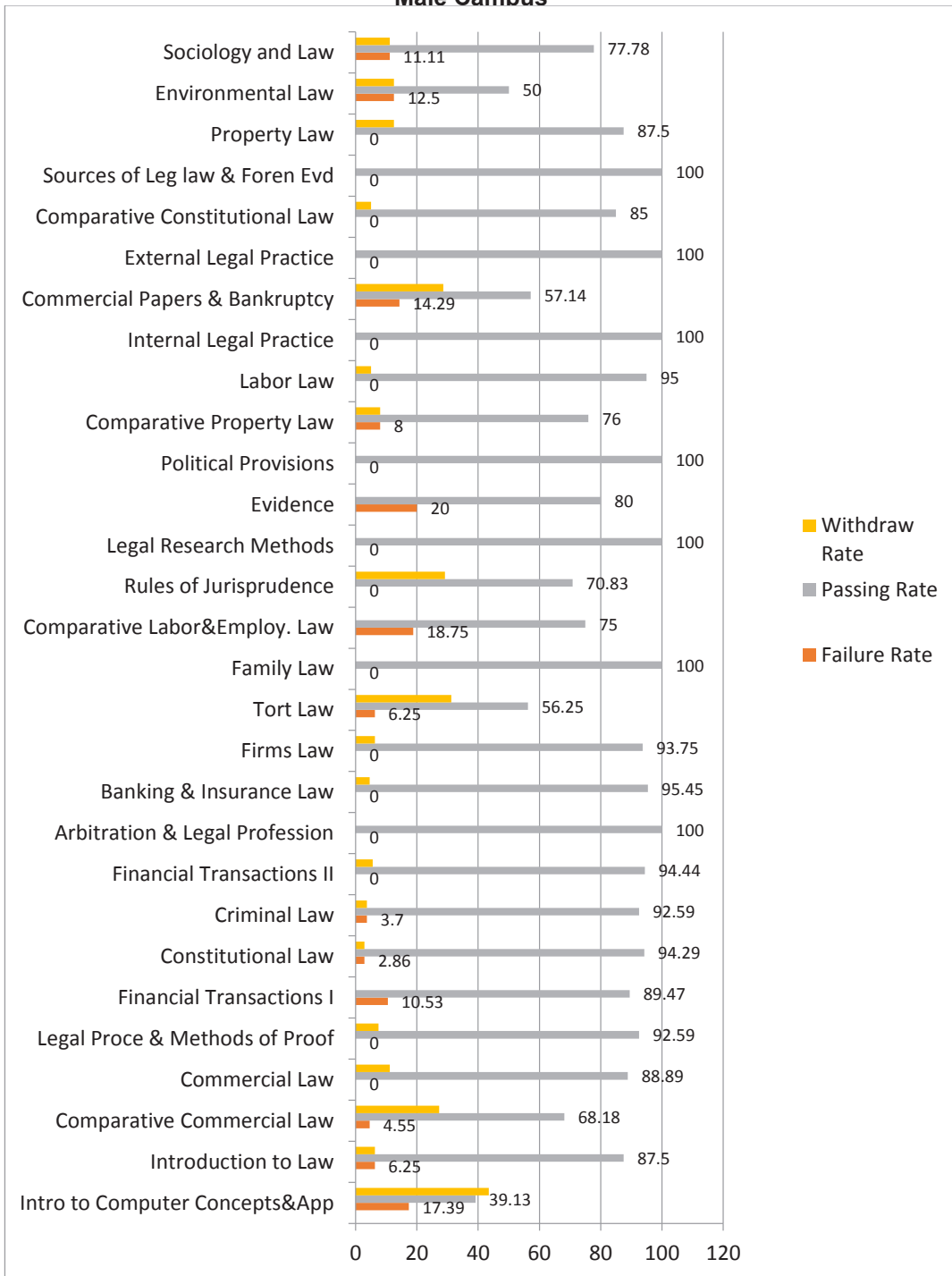


Success, Failure, and Withdraw Rates in Law Department

Spring 2015-2016 Male Campus						
Course Code	Course- No.	Course Title	Total No. of Students	Failure Rate	Passing Rate	Withdraw Rate
ITLB	1311	Intro to Computer Concepts&App	23	17.39	39.13	43.48
LAWB	1211	Introduction to Law	16	6.25	87.5	6.25
LAWB	1312	Comparative Commercial Law	22	4.55	68.18	27.27
LAWB	2311	Commercial Law	18	0	88.89	11.11
LAWB	2312	Legal Proce & Methods of Proof	27	0	92.59	7.41
LAWB	2314	Financial Transactions I	19	10.53	89.47	0
LAWB	2316	Constitutional Law	35	2.86	94.29	2.86
LAWB	2317	Criminal Law	27	3.7	92.59	3.7
LAWB	2318	Financial Transactions II	18	0	94.44	5.56
LAWB	3211	Arbitration & Legal Profession	25	0	100	0
LAWB	3215	Banking & Insurance Law	22	0	95.45	4.55
LAWB	3218	Firms Law	16	0	93.75	6.25
LAWB	3220	Tort Law	16	6.25	56.25	31.25
LAWB	3313	Family Law	28	0	100	0
LAWB	3316	Comparative Labor&Employ. Law	16	18.75	75	0
LAWB	3317	Rules of Jurisprudence	24	0	70.83	29.17
LAWB	4212	Legal Research Methods	8	0	100	0

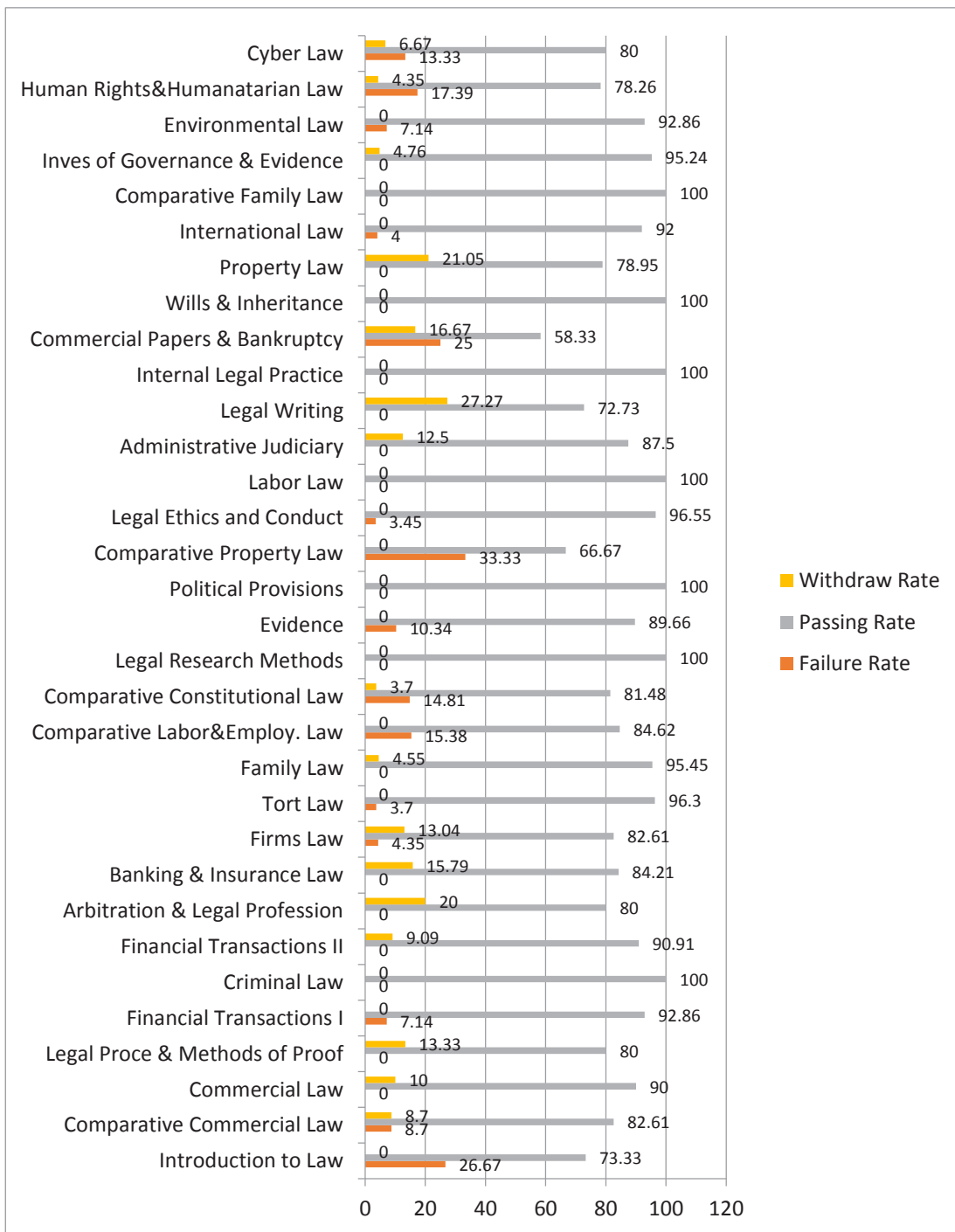
LAWB	4216	Evidence	15	20	80	0
LAWB	4217	Political Provisions	12	0	100	0
LAWB	4218	Comparative Property Law	25	8	76	8
LAWB	4223	Labor Law	20	0	95	5
LAWB	4314	Internal Legal Practice	9	0	100	0
LAWB	4315	Commercial Papers & Bankruptcy	7	14.29	57.14	28.57
LAWB	4321	External Legal Practice	1	0	100	0
LAWB	3319	Comparative Constitutional Law	20	0	85	5
LAWB	2313	Sources of Leg law & Foren Evd	18	0	100	0
LAWB	4219	Property Law	8	0	87.5	12.5
LAWB	2215	Environmental Law	8	12.5	50	12.5
SOCL	1212	Sociology and Law	9	11.11	77.78	11.11

**Spring 2015-2016
Male Camous**



Fall 2016-2017						
Male Campus	Course- No.	Course Title	Total No. of Students	Failure Rate	Passing Rate	Withdraw Rate
Course Code	Course No.	Course Title	Total No. of	Failure Rate	Passing Rate	Withdraw Rate
LAWB	1211	Introduction to Law	15	26.67	73.33	0
LAWB	1312	Comparative Commercial Law	23	8.7	82.61	8.7
LAWB	2311	Commercial Law	10	0	90	10
LAWB	2312	Legal Proce & Methods of Proof	15	0	80	13.33
LAWB	2314	Financial Transactions I	14	7.14	92.86	0
LAWB	2317	Criminal Law	21	0	100	0
LAWB	2318	Financial Transactions II	11	0	90.91	9.09
LAWB	3211	Arbitration & Legal Profession	15	0	80	20
LAWB	3215	Banking & Insurance Law	19	0	84.21	15.79
LAWB	3218	Firms Law	23	4.35	82.61	13.04
LAWB	3220	Tort Law	27	3.7	96.3	0
LAWB	3313	Family Law	22	0	95.45	4.55
LAWB	3316	Comparative Labor&Employ. Law	13	15.38	84.62	0
LAWB	3319	Comparative Constitutional Law	27	14.81	81.48	3.7
LAWB	4212	Legal Research Methods	17	0	100	0
LAWB	4216	Evidence	29	10.34	89.66	0
LAWB	4217	Political Provisions	17	0	100	0
LAWB	4218	Comparative Property Law	6	33.33	66.67	0
LAWB	4222	Legal Ethics and Conduct	29	3.45	96.55	0
LAWB	4223	Labor Law	24	0	100	0
LAWB	4311	Administrative Judiciary	8	0	87.5	12.5
LAWB	4313	Legal Writing	11	0	72.73	27.27
LAWB	4314	Internal Legal Practice	11	0	100	0
LAWB	4315	Commercial Papers & Bankruptcy	12	25	58.33	16.67
LAWB	4320	Wills & Inheritance	12	0	100	0
LAWB	4219	Property Law	19	0	78.95	21.05
LAWB	3221	International Law	25	4	92	0
LAWB	3222	Comparative Family Law	21	0	100	0
LAWB	3314	Inves of Governance & Evidence	21	0	95.24	4.76
LAWB	2215	Environmental Law	14	7.14	92.86	0
LAWB	2216	Human Rights&Humanatarian Law	23	17.39	78.26	4.35
LAWB	2217	Cyber Law	30	13.33	80	6.67
LAWB	3222	Comparative Family Law	27	3.7	92.59	3.7
LAWB	4222	Legal Ethics and Conduct	4	0	100	0
LAWB	2316	Constitutional Law	13	0	84.62	15.38
LAWB	4321	External Legal Practice	2	0	100	0
LAWB	2216	Human Rights&Humanatarian Law	9	11.11	55.56	33.33
LAWB	2211	Media Law	35	2.86	88.57	8.57
LAWB	2212	Oil & Gas Law	56	14.29	64.29	21.43

Fall 2016-2017
Male Campus

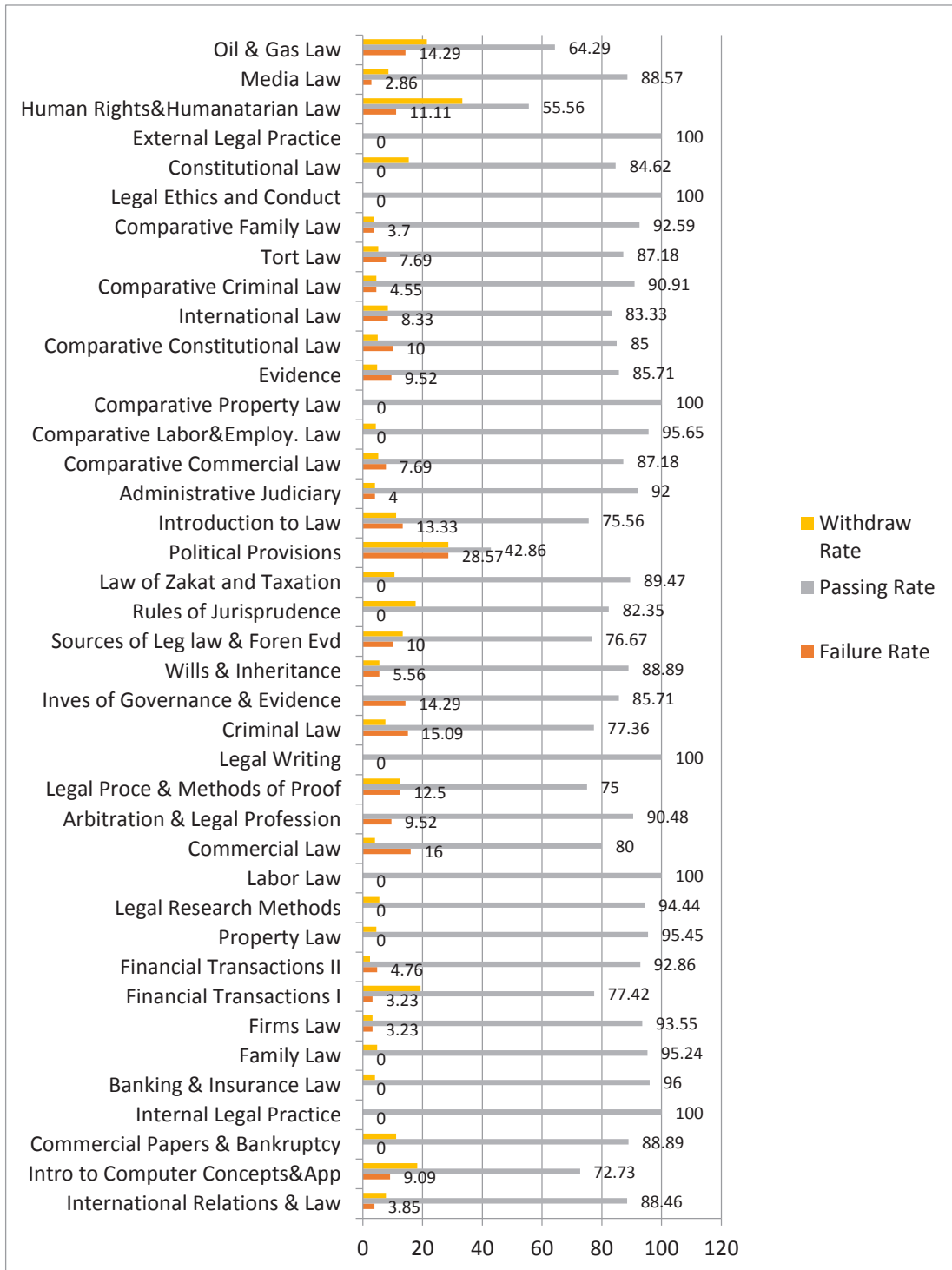


Spring 2015-2016

Female Campus

Course Code	Course No.	Course Title	Total No. of Students	Failure Rate	Passing Rate	Withdraw Rate
Course Code	Course No.	Course Title	Total No. of Students	Failure Rate	Passing Rate	Withdraw Rate
INTL	1213	International Relations & Law	26	3.85	88.46	7.69
ITLB	1311	Intro to Computer Concepts&App	55	9.09	72.73	18.18
LAWB	4315	Commercial Papers & Bankruptcy	18	0	88.89	11.11
LAWB	4314	Internal Legal Practice	44	0	100	0
LAWB	3215	Banking & Insurance Law	25	0	96	4
LAWB	3313	Family Law	21	0	95.24	4.76
LAWB	3218	Firms Law	31	3.23	93.55	3.23
LAWB	2314	Financial Transactions I	31	3.23	77.42	19.35
LAWB	2318	Financial Transactions II	42	4.76	92.86	2.38
LAWB	4219	Property Law	22	0	95.45	4.55
LAWB	4212	Legal Research Methods	18	0	94.44	5.56
LAWB	4223	Labor Law	19	0	100	0
LAWB	2311	Commercial Law	25	16	80	4
LAWB	3211	Arbitration & Legal Profession	21	9.52	90.48	0
LAWB	2312	Legal Proce & Methods of Proof	16	12.5	75	12.5
LAWB	4313	Legal Writing	14	0	100	0
LAWB	2317	Criminal Law	53	15.09	77.36	7.55
LAWB	3314	Inves of Governance & Evidence	28	14.29	85.71	0
LAWB	4320	Wills & Inheritance	18	5.56	88.89	5.56
LAWB	2313	Sources of Leg law & Foren Evd	30	10	76.67	13.33
LAWB	3317	Rules of Jurisprudence	34	0	82.35	17.65
LAWB	3312	Law of Zakat and Taxation	19	0	89.47	10.53
LAWB	4217	Political Provisions	7	28.57	42.86	28.57
LAWB	1211	Introduction to Law	45	13.33	75.56	11.11
LAWB	4311	Administrative Judiciary	25	4	92	4
LAWB	1312	Comparative Commercial Law	39	7.69	87.18	5.13
LAWB	3316	Comparative Labor&Employ. Law	23	0	95.65	4.35
LAWB	4218	Comparative Property Law	13	0	100	0
LAWB	4216	Evidence	21	9.52	85.71	4.76
LAWB	3319	Comparative Constitutional Law	40	10	85	5
LAWB	3221	International Law	12	8.33	83.33	8.33
LAWB	2315	Comparative Criminal Law	22	4.55	90.91	4.55
LAWB	3220	Tort Law	39	7.69	87.18	5.13
LAWB	3222	Comparative Family Law	27	3.7	92.59	3.7
LAWB	4222	Legal Ethics and Conduct	4	0	100	0
LAWB	2316	Constitutional Law	13	0	84.62	15.38
LAWB	4321	External Legal Practice	2	0	100	0
LAWB	2216	Human Rights&Humanatarian Law	9	11.11	55.56	33.33
LAWB	2211	Media Law	35	2.86	88.57	8.57
LAWB	2212	Oil & Gas Law	56	14.29	64.29	21.43

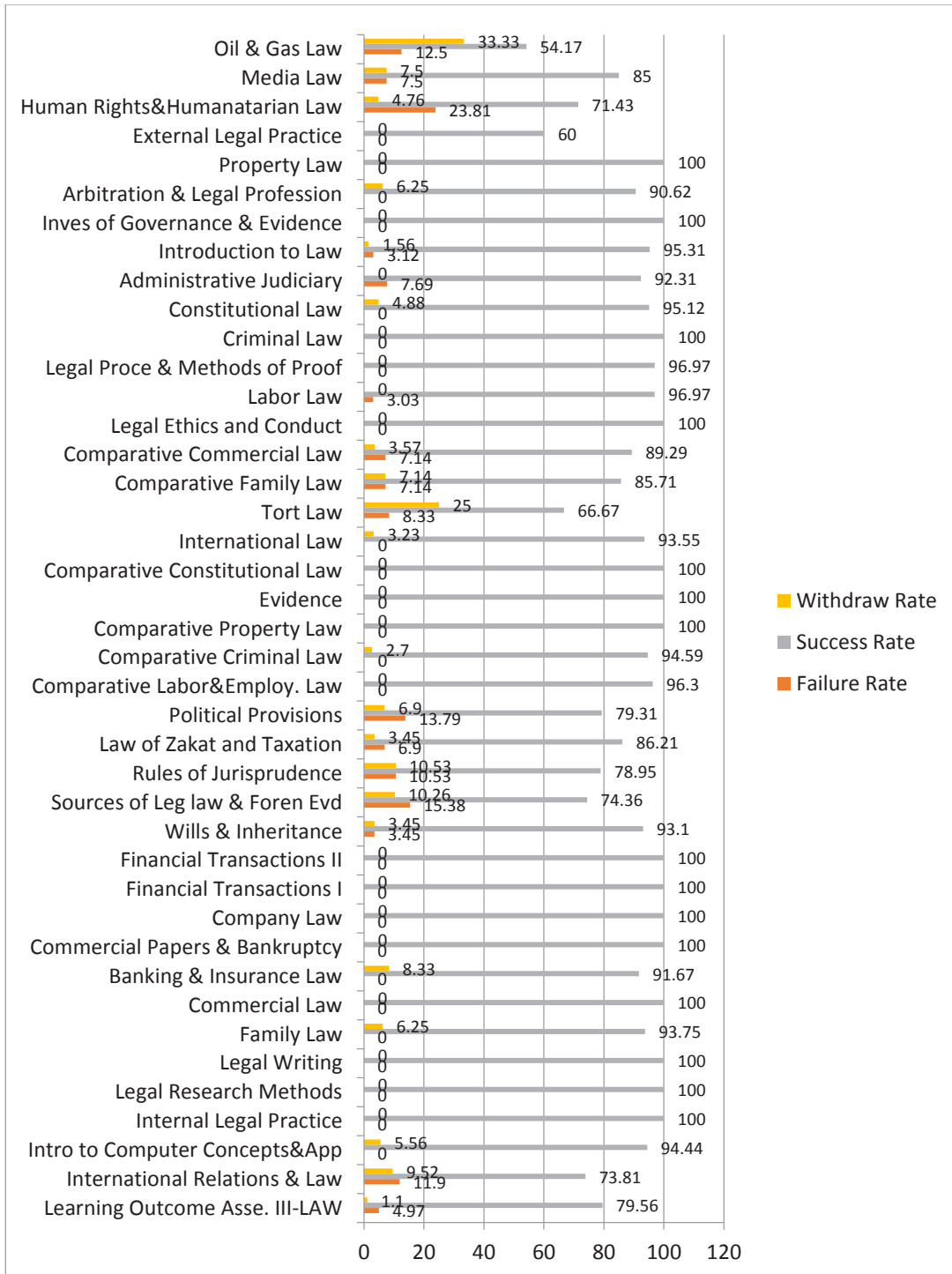
Spring 2015-2016
Female Campus



**Fall 2016-2017
Female Campus**

Course Code	Course- No.	Course Title	Total No. of Students	Failure Rate	Success Rate	Withdraw Rate
ASSE	4311	Learning Outcome Asse. III-LAW	181	4.97	79.56	1.1
INTL	1213	International Relations & Law	42	11.9	73.81	9.52
ITLB	1311	Intro to Computer Concepts&App	36	0	94.44	5.56
LAWB	4314	Internal Legal Practice	25	0	100	0
LAWB	4212	Legal Research Methods	43	0	100	0
LAWB	4313	Legal Writing	10	0	100	0
LAWB	3313	Family Law	16	0	93.75	6.25
LAWB	2311	Commercial Law	13	0	100	0
LAWB	3215	Banking & Insurance Law	24	0	91.67	8.33
LAWB	4315	Commercial Papers & Bankruptcy	17	0	100	0
LAWB	3218	Company Law	30	0	100	0
LAWB	2314	Financial Transactions I	33	0	100	0
LAWB	2318	Financial Transactions II	23	0	100	0
LAWB	4320	Wills & Inheritance	29	3.45	93.1	3.45
LAWB	2313	Sources of Leg law & Foren Evd	39	15.38	74.36	10.26
LAWB	3317	Rules of Jurisprudence	19	10.53	78.95	10.53
LAWB	3312	Law of Zakat and Taxation	29	6.9	86.21	3.45
LAWB	4217	Political Provisions	29	13.79	79.31	6.9
LAWB	3316	Comparative Labor&Employ. Law	27	0	96.3	0
LAWB	2315	Comparative Criminal Law	37	0	94.59	2.7
LAWB	4218	Comparative Property Law	29	0	100	0
LAWB	4216	Evidence	31	0	100	0
LAWB	3319	Comparative Constitutional Law	13	0	100	0
LAWB	3221	International Law	31	0	93.55	3.23
LAWB	3220	Tort Law	24	8.33	66.67	25
LAWB	3222	Comparative Family Law	14	7.14	85.71	7.14
LAWB	1312	Comparative Commercial Law	28	7.14	89.29	3.57
LAWB	4222	Legal Ethics and Conduct	16	0	100	0
LAWB	4223	Labor Law	33	3.03	96.97	0
LAWB	2312	Legal Proce & Methods of Proof	33	0	96.97	0
LAWB	2317	Criminal Law	33	0	100	0
LAWB	2316	Constitutional Law	41	0	95.12	4.88
LAWB	4311	Administrative Judiciary	26	7.69	92.31	0
LAWB	1211	Introduction to Law	64	3.12	95.31	1.56
LAWB	3314	Inves of Governance & Evidence	32	0	100	0
LAWB	3211	Arbitration & Legal Profession	32	0	90.62	6.25
LAWB	4219	Property Law	32	0	100	0
LAWB	4321	External Legal Practice	5	0	60	0
LAWB	2216	Human Rights&Humanatarian Law	21	23.81	71.43	4.76
LAWB	2211	Media Law	40	7.5	85	7.5
LAWB	2212	Oil & Gas Law	24	12.5	54.17	33.33

Fall 2016-2017
Female Campus



2.2.5. PREPARATORY PROGRAMME

PURPOSE OF THE PROGRAM

The Preparation Program of Prince Mohammad Bin Fahd University (PMU) is generally a comprehensive, three-semester academic preparatory program, comprised of sequenced classes in English as a Foreign Language (EFL), Mathematics, and Study Skills and Learning Strategies. The program carries no academic credit, yet it is fundamental to the nature of PMU. In this intensive year or more of study, students receive the solid academic grounding – especially in English – that enables them to succeed in the intellectually rigorous atmosphere that PMU creates in its degree programs. More importantly, it is during this year that the foundation is laid among students for introducing the distinguishing set of core competencies that all PMU graduates are expected to exhibit.

VISION

The Preparation Program of PMU strives to be a unique, preeminent post-secondary academic preparatory program, producing first-year university students who assume responsibility for their own successful learning. The Preparation 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. PMU students use these principles as both a means of discovery and as a tool for increased understanding in academic and personal contexts. PMU graduates recognize these principles as broad, extra-academic and life-enhancing abilities.

MISSION

The mission of the Preparation Program is to equip high-quality male and female secondary school graduates with the academic and personal skills necessary to succeed in a university based on the principles of personal responsibility, accountability, pervasive analytical/critical thought; attainment of communicative, technological, and professional competence; and strength in both teamwork and leadership. The mission is to produce a uniquely positive addition to the culture of the Eastern Province, the Kingdom of Saudi Arabia, and the world.

STUDENT BENEFITS

Though it is possible to bypass the Preparation Program and enter degree studies at PMU directly from high school, it is expected that most applicants will attend and benefit from the program. The Preparation Program is seen as the first step in transforming entering students who have received largely rote instruction in their secondary educations into mature, life-long learners skilled in communication, technical competence, critical thinking and problem solving, professional competence, leadership, and teamwork.

ACADEMIC ACHIEVEMENTS

This report is an overview of the achievements that indicate the implementation of the intended strategic initiatives and their related action plans in alignment with the university mission. The report highlights major accomplishments within the framework of the University core values and goals.

Teaching Objectives:

The following objectives were set to accomplish for the 2014 -2015 academic year.

- To achieve excellence in teaching and learning
- To enhance the uniformity of instruction at all levels through cooperation and coordination between the two campuses
- To integrate modern teaching/learning methods into the curriculum
- To make available to faculty and students the most up-to-date technology in teaching and learning
- To utilize technology to a greater extent in both the instructional aspects as well as in the administration of classroom quizzes and with the standardized tests.
- To improve the quality of instruction at all levels focused towards the mastery of specific skills in English, and Study Skills.

Achievements:

1. The administration of the Aptis test to all Preparatory Program students as an exit test from level to level and from the Program.

Aptis is an internationally recognized test from the British Council; it tests students objectively online in all four language skills. Students' final grades are benchmarked to the CEFR.

2. Gradual implementation: Aptis is being implemented gradually in stages. The test was successfully administered for the first time to students at the Pre-Beginner and Advanced levels in December 2015.

A total of 442 students (187 male and 255 female) at the Advanced level took the Aptis test. Over 92 percent had an overall score of B1 or above, but the results in writing showed that 139 students were at A0 to A2 level. For detailed information on this point, please refer to the attached Power Point presentation

3. Faculty trained in the use of available technology for the Preparation Program classes.
 1. Continuous training is being given on various aspects of Blackboard, the development and implementation of online standardized exams, and the uniform use of attendance record keeping online.
 2. Special training was given to all instructors on developing and grading writing assignments using online rubrics with automatic calculation of the results.
 3. A number of recognized CALL (Computer Assisted Language Learning) programs were introduced in place of the discontinued DYNED program. The programs included MyEit, SRA, Readtheory, Jeopardylabs, Kahoot, and Quizlet.
4. Training sessions delivered by ESL experts to Preparatory Program faculty.
 1. Trainers from the British Council, Pearson, Oxford University Press, and Cambridge University Press conducted training sessions on IELTS, Aptis, and the utilization of teaching materials for all the preparation program faculty.

2. The publishers also provided additional resources available on CD's that were given to coordinators who passed them on to instructors
5. Developed reusable learning objects to cut down on the preparation of materials by instructors
 1. Coordinators have developed materials in the form of documents, videos and audios which are made available to all instructors using the shared folders on the PMU server.
 2. In an effort to bring about more uniformity, standardized quizzes were introduced as a means of checking not only on the progress of the students but also to enable the faculty to focus on the skills that the students needed to master. This was intended to cut down on individual faculty having to prepare their own quizzes. While the concept was well intended, the implementation presented many problems and was discontinued effective September 2015.
6. Implemented online standardized tests.
 1. During the course of the academic year, much closer scrutiny was given to the content and the construction of the standardized examinations. This involved closer monitoring by the leaders on each campus and also more input from the coordinators. The biggest challenge was to modify the wording on the test items so that they matched the appropriate levels of the students.
 2. The administration of the standardized examinations was conducted online throughout the program.
 3. Online testing was conducted with minimum disruption since the upgrade of the infrastructure. The Safe Exam Browser (SEB) was piloted with two class sections to provide an even higher level of test security. It is expected to be fully implemented in the spring of 2016.

7. Regular productive class visits

Interspersed classroom observations were held periodically especially for new instructors as well as for those who have been in the program for some time. Observations focused on teaching methodology, interaction with students, and content delivery. In addition to this, special visits were made to classes where instructors appeared to be having trouble with classroom management after which consultations were held with the faculty involved to help resolve some of the issues they were facing. Classroom observations are increasingly being used as a means of feedback to the instructors in the hope that it will increase the quality of instruction and provide stability in the classroom. Many of the problems arise because many of the faculty have a non-education, non-English/linguistics degree background, and have entered the ESL/EFL field by obtaining CELTA, DELTA, or other certification. Consequently, problems in classroom management, curriculum issues arise and they have difficulty dealing with them appropriately. It is strongly recommended that in the future only candidates who are culturally aware and hold a degree in English, education, linguistics, or language teaching be considered.

Coordinators' role reorganized for a more effective use of resources in the organizational structure of the Preparation Program.

The position of Coordinator was reorganized for a more effective use of resources. Coordinators are now responsible for a language skill at all levels. This has reduced the number of coordinators by over

50% because there is only one coordinator for a given language skill for both campuses. This approach has facilitated problem solving from one central point and has brought about a better cooperation among faculty on both campuses. Coordinators continue to play a vital role in monitoring the faculty, dealing with student problems, arranging for proctoring the exams, assisting with the evaluation of instructors, providing feedback for the standardized examinations, and providing group or individualized training for faculty and double checking the final grades of each instructor before it is submitted to the Department Chair/ Associate Chair for final approval before being sent to the registrar's office

Services & Outreach Activities

Objectives: To improve delivery of programs and services designed to improve student retention

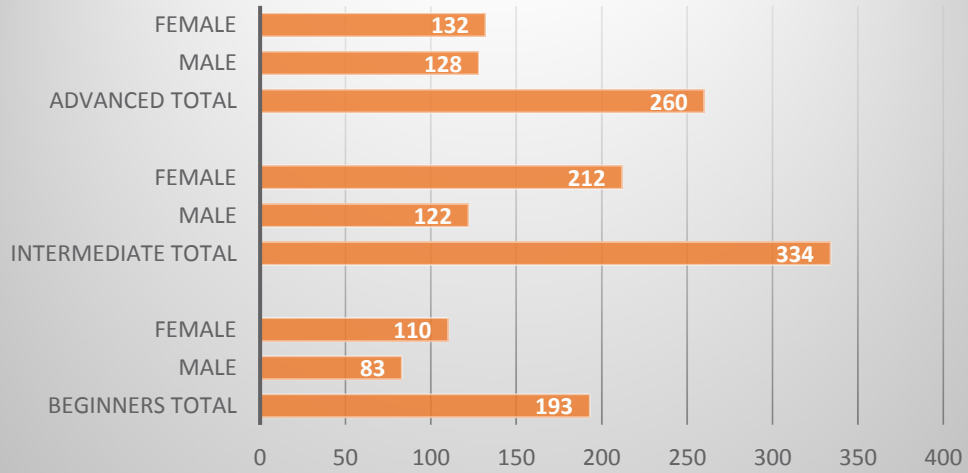
- An open house event was held at the beginning of the fall semester at which parents/guardians of male Preparation Year students were invited to meet the faculty and actively participate in the educational process of their sons. The event was jointly sponsored with the Student Affairs Department. A similar event was held on the female campus.
- KSAALT (Kingdom of Saudi Arabia Association of Language Teachers) is an outreach program initiated in the early years of PMU by English faculty to assist language teachers initially in the Eastern Province, but which is now spreading to other centers in the Kingdom for a total of five branches. It is the 100th affiliate of TESOL International, the prestigious international professional organization with headquarters in the US. KSAALT retains very close ties with PMU. The office of the president and key committee appointments are held by our Preparation Program faculty; PMU is well represented internationally through their attendance at the annual TESOL International convention
- The Preparation Program Testing Center was officially established in January of 2013 but discontinued in December 2015 after PMU signed a partnership agreement with the British Council. Standardized testing is now carried out in conjunction with the University Testing Center. Tests now administered are based on international standards.
- The Preparation Program has continued to provide a functional Student Academic Support Center (SASC) specifically on the female campus.
- On the male campus there was a new initiative to address the specific academic needs of each student. The student Aptis candidate report indicates the proficiency level of the student in each language skill. This type of report proved very helpful in targeting the areas of weakness of students to help them succeed. The reports indicated that most students needed assistance in writing. Consequently the Writing Center was established. It currently serves the needs of the Preparation Program and Core students. The female campus is expected to be involved in this initiative beginning in the fall of 2016.
- Changes that took place last year in reference to attendance, continue to be implemented. The focus of the attendance issue is on holding students responsible for their behavior; the approach shifted from emphasizing punishment for not attending classes to focusing on the benefits of attending classes. This approach has led to a better retention rate.

- Motivational meetings with Prep Students at each level were organized on both campuses. The purpose of these meetings was to motivate all levels of students on how to get good grades, manage their time, do assignment on time, how to take notes and apply learning strategies. Also an explanation of the regulations on attendance, the importance of taking the standardized tests, and the importance of Aptis as the tool to determine their language level proficiency. Students were also made aware of the tutoring services being made available to assist those students who need assistance with their studies. As a whole, these appear to have been very useful and helped to some extent on the passing rate and retention of students.
- In a special ceremony held on both campuses, awards in the form of certificates were given out to students for perfect attendance, most improved student during the semester, evidence of leadership etc. We found that these certificates were highly prized by the students, and this will be used as an incentive in the next academic year, again in an attempt to motivate and retain students.
- One way of working towards the retention of students is also to motivate and work towards the retention of our faculty. In this regard, last year the university administration approved a special luncheon held at the local Holiday Inn to thank the Preparation Program faculty for the contribution they made during the academic year and to recognize those faculty who contributed to the strengthening of the program during the course of the year. The event did much towards consolidating the feeling that PMU does appreciate the contributions of the faculty. Much goodwill was earned as a result of this meeting at which the Vice Rector participated in the handing out of certificates of appreciation.

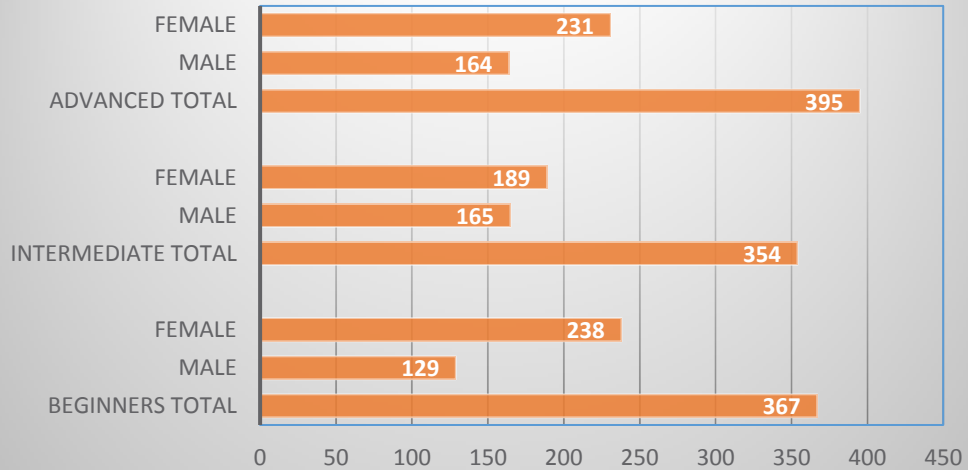
The following pages contain important statistical data relevant to the delivery of instruction for the Preparation Program. See also the attached Power Point presentation

Enrollment in the Preparation English Language

Spring 2015 Enrollment



Fall 2015 Enrollment



2.3 INFORMATION TECHNOLOGY ACHIEVEMENTS

2.3.1 Mission

The mission of University Technology Services is to provide, assist with the selection of, and support the ongoing operation of, technically current and reliable information technology resources for students, faculty, and staff.

University Technology Services implements solutions that are innovative, integrated, and supportive to evolving university goals. University Technology Services provides information technology resources to enhance, support, and foster teaching, learning, research, administration, service, communications, and outreach.

2.3.2 IT and Disruptive Change

The year of 2016 built upon the changes and introduction of disruptive technologies introduced at Prince Mohammad University. The pace of technological change is a well-understood concept amongst IT and PMU Management. The 5 Year IT Strategic planning was completed during the year 2016. The IT Plan aims at moving the university towards a next generation IT department while incorporating the core goals and principle set forth by the founders of the university in TIEC IT Strategy report.

2.3.3 Technology Achievements of 2016

a. 100 % Virtualized Datacenter –

PMU IT reaped the benefit of standardizing on platform and operating system for datacenter operation. PMU IT build on the success of a converged infrastructure and has managed to move all the major applications to a state of the art VBlock System. This improves the time to launch and provision new software and services at PMU.

b. Student Service Automations

In accordance with the IT Goals of the university and sponsorship of PMU's Senior Management, a robust platform was introduced at PMU IT Landscape to automate the approvals related to student services in regards to student affairs.

PMU won the award for using the Ellucian Technologies to provide innovative solution to PMU constituents in an Event held at Dubai. An approximate 10,000 paper prints were saved during the first week of introducing the e-forms through banner self-service.

c. Unified Collaboration

PMU completed the implementation of Cisco Unified Collaboration and introduced Cisco Jabber and WebEx for PMU community. Cisco Jabber provides mobility and access to PMU telephone services anywhere and around the clock.

d. Administrative Systems Enhancement

PMU IT Strategy emphasize on improving the Administrative Systems and Processes for the benefit of PMU community. The Oracle Enterprise Business Suite is the standard administrative sys-

tem. The Gaps in the system were identified and PMU is collaborating with Oracle to enhance the administrative services by introducing new modules and completing the Full ERP Cycle for the university.

e. Internet and Telecommunication Services

- In order to bring the Fiber Connectivity to Halfmoon Bay area. PMU along with its strategic partner STC has achieved the below in year 2016.
- Increased the internet bandwidth to 400 MB over the fiber for PMU community
- Signed an Agreement with STC to provide FTTH technology to PMU Housing Facilities under construction. This will allow residents to have access to latest service offering from STC.
- Signed an Agreement with STC Solutions to build the infrastructure for PMU Housing Facility.

f. Cybersecurity

PMU is working along the National Cyber Security Center to respond to various threats posed to IT infrastructure and information. In Year 2016-2017 PMU IT has achieved the below strategic initiatives to enhance the information security at PMU.

- 1 - Central Authentication and One Time Password.
- 2 - Framework for Security at PMU
- 3 – Information Awareness

2.4 2.4 STUDENT AFFAIRS

Student Services includes Campus Life, Counseling and Health Service, and Career Services. The following report reflects activities in the three later departments and reports the data for the academic year 2015.

2.4.1 CAMPUS LIFE

At PMU we recognize the importance of Campus Life as a vital department today. Since 2008 Campus Life has evolved in many forms. Campus Life was formed to complement strategic efforts to address student needs. Student life is a key feature of student experience at PMU. We 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 six core competencies.

The six core competencies are:

1. Communication
2. Technology Competency
3. Critical Thinking and Problem Solving
4. Professional Competency
5. Teamwork
6. Leadership

Objective

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/project 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

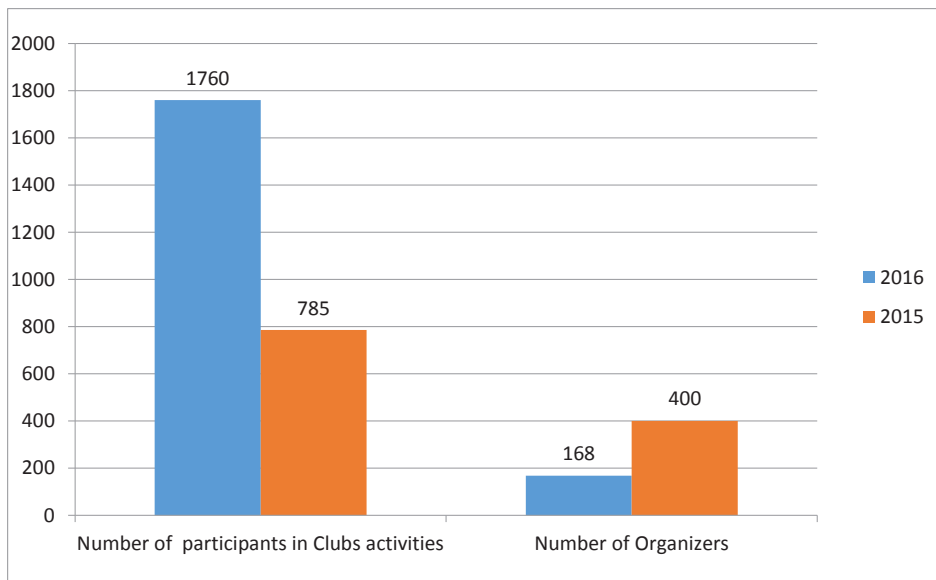
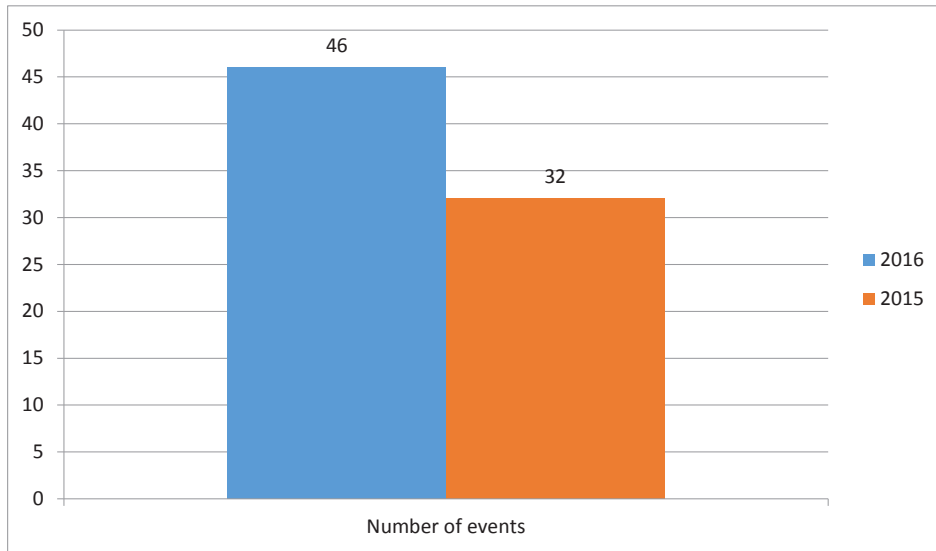
- Identify all aspects of planning a program/event.
- Maintain accurate program records and information through documentation and filing system.

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.

MALE SECTION PARTICIPANTS:

Activities	Events	Organizer	Total Participants
Sporting Activities	11	40	680
Campus wide Activities	22	107	1632
Clubs and Organizations	24	61	1760



LIST OF ACHIEVEMENTS (MALE CAMPUS)

- **Green and Safety Campaign:**

The Green & Safety Clubs organized a program called “The Safe Life,” which included activities to help students to become more aware and well-informed about safety and the environment.

On Car Safety Awareness Day, the Safety Club students gave out reminder cards of safe driving instructions designed to be hung on the student’s rear-view mirror.

The Green Club installed recycling bins around campus, and talked to students about the benefits of recycling. Green Club members also talked to students about the benefits of farming and handed out recycled paper cups which could be used for planting seedlings. The event was not only successful but also educational as students became aware about a host of issues, such as the importance of car awareness, recycling, and farming.

- **Orientation Session for Newly Enrolled Students**

Under the supervision of the Division Student Affairs, the Department of Campus Life welcomed the new students for the Fall Semester.

Useful tips and recommendations were given by departments throughout campus. Both staff and faculty spoke to the new students about a variety of topics ranging from policies to campus activities.

The Vice Rector for the Academic Affairs attended the ceremony and welcomed the students wishing them academic success, as did the Dean of Student Affairs, (through a video recording) and Director of Registrar and Admission. The Prep College, Core Program, Safety and Security Department, Library, Career Services, Campus Life, IT Department, and Public Relations also participated in this session.

A Social Club representative shared success stories of PMU graduates and showed pictures highlighting the previous year’s campus activities with all new students. In addition, the Student Council, Media Club, One Organization, also contributed.

At the end, new students were offered snacks, then given a tour highlighting key resources on campus, led by the student council.

- **Clubs Get-Together**

A get-together event took place on the male campus for all clubs and societies. Representatives recruited new members and promoted their organizations by explaining their previous achievements and future plans.

The following clubs participated actively in this event:

Media Club, Chess Club, One Organization, ASME, Low Voice, Finance Club, Isocial Club, Theater Club (Sketch Productions), Law Club and Running Club.

- **National Day**

Under the supervision of the Division of Student Affairs and the Department of Public Relations, the PMU community celebrated the Saudi National Day. The event was managed by students from

different clubs and organizations.

After the national anthem, a short movie prepared by the Media Club was played, then students read some national poetry and performed Inshad commemorating the special day. A quiz about Saudi heritage followed. At the end, a special cake was cut and shared among attendees.

- **Event Free stage Show**

PMU students have special skills and talents in extracurricular field that deserve to be shown on stage. The Theater Club (Sketch Productions) had its first ever event displaying these hidden talents of PMU students.

A jury of Core Faculty volunteers evaluated the performers, while others came to support them and enjoy the show.

The event showcased several types of performances: short movies, poetry and Inshaad; Inshad acts received the most cheering and interaction from the audience.

At the end of the show, spectators participated in the evaluation of the participants by voting online for the best act. The best performances received an award and all the participants received medals for their efforts. Credit goes to all Theater Club members for the success of this first show ever organized at PMU.

- **Wellness Day at PMU**

The saying, “a healthy body houses a healthy mind,” does indeed apply to the PMU community which eagerly participated in the “Have Fun and Get Fit” Wellness Event. The aim of the initiative, coordinated the Campus Life and Counseling Department, was to sensitize faculty, staff and students to the importance of good lifestyle choices and to promote the necessity of regular health screenings. Various health and wellbeing matters were discussed and several service providers within the health care system contributed towards the success of the event.

The PMU Student Affairs & Campus Life team along with Physical Education instructors also organized a fitness competition that included push-up, and balancing contests, shot put, 40m races, agility runs, and more. The day of competition concluded with a 2-mile run and a commitment from more than 100 students to quit smoking. Water stations were available on the track, and all the participants received a medal for completing the run.

- **Chess Club**

Under the supervision of the Division of Student Affairs PMU held its first ever chess tournament. Conducted under the international Swiss system, students played seven, ten-minute rounds. Winners were awarded valuable prizes.

- **Prep Program Mid Semester Open House**

Under the supervision of the Division of Student Affairs and with the support of the Campus Life Department, the Preparatory Program at PMU hosted the first ever Mid Semester Open House for the Preparatory Program.

Conducted over two evenings, students in the Pre-Beginner/Beginner levels and Intermediate/Advanced levels, together with their male parent were invited to PMU.

The main goal of this event was to highlight the importance of collaborative learning, and to strengthen the partnership between home and school through improved communication. Following a welcome reception in the atrium of the Prep building, all participants proceeded to the lecture theatre, where invited guests made presentations about the goals and philosophy of the program together with some practical information about how to monitor student progress and attendance using the online Blackboard program. After breaking for Isha prayer, parents and their sons were directed to designated classrooms for a face-to-face meeting with individual faculty in order to review and foster students' academic performance.

- **Student Council Elections: Campaign, Debate, Voting**

Under the supervision of Student Affairs, the Campus Life Department organized the Student Council elections for the year 2016-2017. In a three-way race, the new Student Council President earned the highest point total from the debate jury and received 40% of the votes.

- **ASME-PMU Chapter - Final Robot Competition (Texas, USA)**

After a qualifying competition held in Beirut the year before, student-members of the American Society of Mechanical Engineers participated in the final competition for the best operating robot in Houston, Texas (USA).

PMU students placed sixth overall in a field of 16 top universities from the Middle East, North America, South America, Europe, Pakistan and India. The robot designed and built by PMU students earned the highest rating among the 3 Arab universities that qualified for the finals.

While in Houston, PMU students attended presentations in the area of Mechanical Engineering, energy and ABET accreditation. They also visited NASA space center, which included a tour of preparation, training and operation areas.

In addition to their sixth-place achievement, PMU students had the opportunity to meet and interact with engineering students from the other countries.

- **Annual Charity Run**

For the sixth consecutive year, the PMU community and One Organization sponsored the annual Charity Run, which was organized this year under the theme of "Home Safety."

- **Bahrain Marathon Relay**

The Bahrain Marathon Relay is made up of 16 stages of approximately 3 km in length totaling 49 km. The relay starts and finishes at the Bahrain International circuit and runners from around the world compete in the Marathon Relay. This was the 35th year the Bahrain Marathon Relay has been held. It is organized by the Bahrain Round Table, a charity organization that raises funds for

a range of local causes, including education. Over \$2,000,000 has been raised by the marathon in the previous 34 years.

For the first time, members of the PMU Running Club ran in the race. The PMU team placed 4th in a field of 19 teams in the small university category. Overall, the PMU runners placed 32nd out of 177 teams participating in the event.

The PMU team consisted of 10 runners made up of students, faculty, staff and parents. All participants were rewarded with an individual medal and shirt; the team also received a commemorative plaque. More importantly they achieved an amazing result by working together as a team to plan, prepare and practice for the run.

- **Informative Lecture about Fire Basics – Safety Club**

Under the supervision of the Department of Campus Life, the Safety Club presented an informative lecture about fire basics, home safety and what to do in case of a fire. The presenters explained how various classifications of fires start and described the purpose and use of the many different types of fire extinguishers.

- **World Dubai Air Show – PMU Media Club**

Under the supervision of the Division of Student Affairs, the PMU Media Club participated the Hamdan bin Mohammed bin Rashid Al Maktoum International Photography Award competition (HIPA) at the World Air Show in Dubai.

The trip gave the PMU Media Club an opportunity to compete in a prestigious international photography competition and to tour the Dubai aircraft facilities.

- **Presentation about Self Development**

Under the supervision of the Division of Student Affairs, an inspiring presentation about self-development was given by Dr. Saleh Alshebil (Marketing Professor at KFUPM). The event was organized by the ASME PMU Chapter.

- **Society of Petroleum Engineering (SPE) – A World of Opportunities**

An overview of SPE was presented to Engineering students by Dean of Engineering College and SPE PMU Chapter advisor, in order to encourage students to become members in the society.

- **PMU Community Service Day**

Under the supervision of the Division of Student Affairs, Islamic class students presented PMU Staff (janitors, labor workers, etc.) with gifts, for their invaluable efforts to the PMU community. Winter clothes, mobile recharge and other gifts were offered to them. This yearly activity was fully sponsored by the students themselves.

- **ASME-PMU Chapter Annual Participation in Ras Tanura Environment Campaign, organized by Aramco**

For the third consecutive year, ASME students participated in Ras Tanura environment campaign, organized by ARAMCO.

- **The Bi-Annual Electrical Engineering Open Day**

The Electrical Engineering Department organized its EE Open Day event in collaboration with the Division of Student Affairs.

This event was attended by all EE faculty and staff, the EE Chair congratulated the graduating students on the successful completion of their projects and wished them a bright future as Engineers. Graduating, senior and junior students displayed their projects in the atrium of the EE building.

For the Graduating students, this event was the culmination of a year of intense work. The students were challenged to prove their mettle in solving real-world problems using the knowledge and skills they acquired during their studies at PMU.

- **Chess Club Achievement**

At the 2016 International Chess tournament organized by the Saudi Chess Association in Al Khobar, PMU beginner student, Umar Malik, was selected as best under-30 player. During one of the 9 rounds Umar defeated Fed Master, John Michael from Ukraine, and ended the tournament in 15th position out of 134 players .

Congratulations to him and to PMU Chess Club!

- **Information Presentation to the Preparatory Students**

With the support of the Campus Life Department, an informative and academic presentation to Prep Pre-Beginner and Beginner students was delivered in the Lecture Hall by the Chair of the Prep Program.

Students were given a general overview of the Prep program designed to help them to a successful semester, after which students' questions about academic concerns were addressed.

A similar presentation for intermediate and advanced students was also organized.

- **IEEE Branch Participation in the Annual Khobar Festival**

The PMU-IEEE Branch participated in the annual Khobar Festival, supervised by the municipality. PMU students conducted educational activities for children such as electrical experiments and games about circuits. More than 500 children participating.

- **PMU Chess Club and Community Awareness**

The PMU Chess Club lent its assistance to the Social Association "Sanad," which supports children with Cancer. The Chess Club invited children from all walks of life in the community to enrich their young lives by both learning something new and educationally beneficial, and enjoying participating in a social activity in Dammam.

Chess club members taught children how to play chess and organized chess games during the 2-day event. Chess players who learn the game at a young age are almost always excellent students throughout their lives, because of the intellectual stimulation.

The event's profits will be used entirely to support the noble cause of improving the lives of young Cancer sufferers, and providing for their medical needs.

- **Chess Club Regional Achievement**

After receiving the best under-30 player award at Saudi Chess Championship (January 2016), PMU chess student, Umar Malik, was selected as one of five players to represent Saudi Arabia in the International Chess Tournament held in Kuwait, on 12 March 2016. The Saudi team prevailed in head-to-head tournament play against the Kuwaiti national team by a final score of 8-7.

- **ADASA Festival in Kuwait City – Media Club**

The Media Club attended the ADASA Festival organized in Kuwait by the Kuwaiti Ministry for the Youth Affairs. The festival included:

- Audio/visual arts showcasing
- Art Exhibitions
- Workshops // Lectures // Panels with professionals from Kuwait and the region.

The Media Club members were great ambassadors for PMU and earned the respect of the organizers for their professionalism. The students received a VIP invitation from the Kuwaiti Ministry for the Youth Affairs to participate in the next Youth Gulf Forum, which will focus on the role of youths in community service.

- **Visit to Prince Sultan's Center for Disabled Persons**

PMU students participated in the opening day ceremony of the Prince Sultan's Center for Disabled Persons. The purpose of the event was to highlight the inclusion of special needs children and students within the local community. The opening day ceremony was attended by several educational institutions within the Eastern Province including Prince Mohammad Bin Fahd University.

- **2015 PMU Humanities Week**

The 2015 Humanities Week was supervised by the Division of Student Affairs, the Core Program, the Prep program and Campus Life. Six humanities and social sciences competitions were held and were open to all undergraduate students. The competition categories for 2015 were Leadership Essay, Persuasive Speech, Dictation, Teamwork competition, Best Short Movie and Research Poster Presentation. Lectures and workshops on leadership and Team work were also organized.

The Research Poster Presentation focused on secondary data analysis. The objective of the event was to encourage future leaders to conduct and present their research in a non-traditional way, discuss their research results, communicate with fellow peers and learn from each other.

The Persuasive Speech Contest topic was PMU's "Six Competencies." A total of 8 students made presentations.

The title of the leadership lecture was Situational Life Cycle Leadership Decision Continuum, and attracted many attendees.

The topic of the Leadership Essay competition Leadership.

Organized for the first time ever at PMU, the Dictation competition was a great success, especially among Beginners students.

The Humanities week proved to be a success due to the great efforts and support of PMU student volunteers and the organizing Deanships and Departments. The event was well-attended by the entire faculty, who supported the competitions and encouraged their students to participate.

- **Science Week**

Under the supervision of the Deanship of Student Affairs, and in close partnership with the Department of Math and Sciences, the Campus Life Department organized the Annual PMU Science Week.

- Day 1 - a Math Presentation took place
- Day 2 - a Math Decathlon was organized
- Day 3 - The Prep atrium was filled with many hands-on science projects, models, experiments and other interesting and inspiring projects, all displayed by PMU students. A jury composed of the Department's Faculty and chaired by Dr. Imad Muhi evaluated them and chose the best achievements.

The purpose of the event was to support students' creativity, stimulate their confidence, and encourage positive competition, as well as to inspire a passion for science.

- **Professional Development: Transition from Academia to the Real-World**

Guest speakers have become an important part of the educational experience for students worldwide. They expose students to real-world life experiences from the position of someone who has been there. Students get to see the insight and perspective of the guest speaker's particular field. Another added benefit is the link students get to make between what they learn in their textbooks and what they learn from the guest speaker. Research indicates that it helps students build important connections between what they are learning and the real world.

Under the supervision of the Division of Student Affairs, and in collaboration with the Core Program, the Department of Campus Life hosted guest speaker Mr. Feras Al-Ruwais, from Saudi Aramco Business and Portfolio Analyst for a lecture followed by a group discussion.

Mr. Al-Ruwais presented the importance of effective communication, continuous learning, taking initiatives, and time management. Students were enthusiastically participating and interacting. This was an exciting opportunity to network and learn from young professionals working at Saudi Aramco.

- **Media Club Visit to Al Yaoum Newspaper**

The Media club members visited Al Yaoum Newspaper and discussed future cooperation and col-

laboration with management about issuing a campus newspaper. The Editor-in-chief promised to offer training to its members and to fully support the club with its initiative.

- **Lecture about the Sources of Knowledge**

The iSocial Club invited Faculty member Toufic Al Amri for an interesting presentation about the sources of knowledge.

- **Aramco Entrepreneurship Program – Business Club**

Aramco invited the Business Club to a convocation to learn the details of the Aramco Entrepreneurship Program, which included Ideation, Market, Branding, and Pitching. The trip was organized in coordination with the College of Business.

- **Mechanical Engineering Project Day**

The faculty and students of the Mechanical Engineering Department held their first students' exhibition of their Senior Design Projects.

The vice Rector of Academic Affairs opened the exhibition by cutting the ribbon, reviewed all the projects and listened to the students' presentation and discussions of their projects.

This event was organized by the Department of Engineering at PMU, with the support of the Department of Campus Life and the ASME students who were present throughout the event.

Many of the projects used solar energy. Parents attended the exhibition as well and thanked the university officials for helping the students to present their quality projects.

- **Media Club Best Picture competition**

The Media Club organized a competition, open to all male and female students, for the best picture taken on campus. The winners received trophies and valuable prizes.

- **Poetry Event**

For the second time at PMU, a poetry event was organized by PMU students. It was judged a huge success by all who attended.

- **The Bi-Annual Electrical Engineering Project Day**

In collaboration with the College of Engineering and Campus Life, the bi-annual Electrical Engineering Project Day took place.

Students presented, explained and defend their projects in the lecture hall and then display them in the atrium.

A jury composed of Electrical Engineering Faculty evaluated each project. An award ceremony followed which included prizes and trophies for the best projects.

LIST OF MALE CLUBS AND ORGANIZATION ACADEMIC YEAR 2016

Academic Organizations

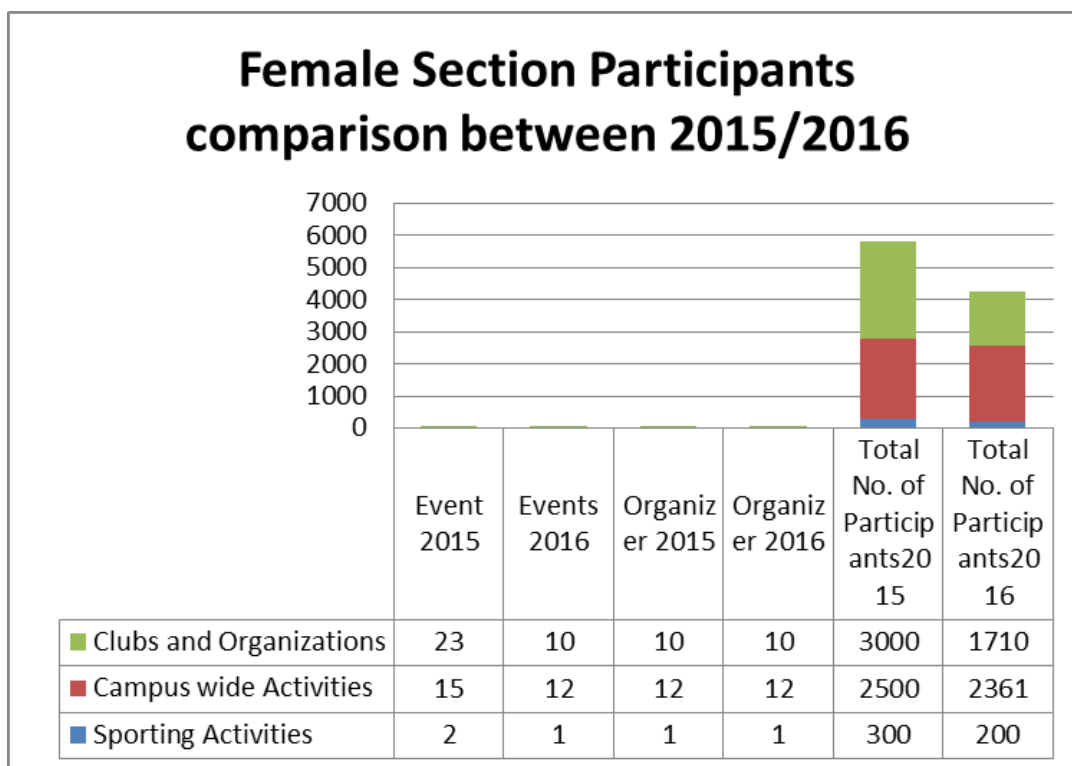
Name	Logo	Description
ASME, PMU branch American Society of Mechanical Engineers		ASME is a professional association that, in its own words, “promotes the art, science, and practice of multidisciplinary engineering and allied sciences around the globe” via “continuing education, training and professional development, codes and standards, research, conferences and publications, government relations, and other forms of outreach.
Finance Club		The Finance Club promotes finance-related activities and careers throughout the PMU community. It caters to a wide variety of finance-related interests, particularly investment banking, sales and trading, private wealth management, and corporate finance. On a yearly basis, FC organize and recruit students to participate in DFM competition.
Law Club		The aim of the Law club is to create awareness amongst the general student population with the Law concepts in general “to organize on and off Campus core curricular activities related to Law.”
IEEE Student Chapter: Institute of Electrical and Electronics Engineers		IEEE is the world’s largest professional association dedicated to advancing technological innovation and excellence for the benefit of humanity.
SPE (Society of Petro- leum Eng.)		SPE is the largest individual member organization serving managers, engineers, scientists and other professionals worldwide in the upstream segment of the oil and gas industry.
Business Club	N/A	The Business Club represents brothers working together side by side to do the right decisions in favor of the business students. Moreover, the BC mediate the gap between studying courses and real life work and job requirements and support active participation of all students in community engagement projects.
ASCE PMU chapter		The American Society of Civil Engineers (ASCE) is a professional body founded in 1852 to represent members of the civil engineering profession worldwide. ASCE’s vision is to have engineers positioned as global leaders who strive toward building a better quality of life.

Extra-curricular organizations

Name	Logo	Description
One Organization		The organization provides Support for Campus Life and Clubs. It also manages PMU football official team (WHITE FOXES)
Media Club		The Media Club provides coverage of all events, news and updates on campus. It Has various members providing students with the opportunity to be competitive, invest their time in something useful and be creative and innovative. The Media Club also manages several Social Media Groups
Chess Club		Chess Club organizes weekly games and tournaments, where students and faculty play. Chess is very important in developing student's critical thinking.
I-Social Club		I-Social Club Organizes social events and assist new students in their academic decisions
Safety Club		Safety club aim is to organize awareness campaigns and events related to safety
Green Club		Green Club's aim is to protect environment and save the planet from all kind of pollution, by making awareness campaigns, and managing other related events.
Running Club		Created in 2010, the Running Club encourages running culture among students against smoking and other bad habits. Every year, the running club participate in the annual charity run and organizes social run around the campus.
Sketch Productions (Theater Club)		Theater Club provides support and proper environment to talented students who have good skills in Arts, Acting, Stand-up comedy, speech, poetry, Inshad, speech, body language, etc, and to give them opportunity to stand on stage and perform.

Female Section Participants:

Activities	2015	2016	Total No. of Participants 2016
Sporting Activities	1	1	200
Campus wide Activities	12	12	2361
Clubs and Organizations	10	10	1710



List of Achievements (Female Campus)

- **Orientation Days Fall 2015/2016**

The university welcomed six hundred new students. The Orientation session consisted of an introduction to the university and university policies, an overview of campus activities and regulations, and a campus tour.

- **PMU National Day**

An exclusive celebration of Saudi Arabia's National Day was held at the female campus from 11.30 am up until 1.30pm with the collaboration between the Department of Campus Life, ACM chapter, Law culture Club and the Media Club. A lot of students, faculty and staff attended the event.

- PMU Pink Day**

Students were introduced throughout the day about the importance about breast cancer with Booths and lectures provided by Campus Life, Wellness Kingdom club and specialists from Zahra Breast Cancer Association.
- Club Socializer**

The Socializer took place in the fall semester. A number of active clubs in the university designed booths in order to attract new members and carried out entertaining activities.
- I to the power of 3 (it was 2 part) (Qewam club)**

Qewam Club chosen a theme and plans its events accordingly. This year theme is about self-discovery, and all events are under this title [أنا تكعيب^٣] [أنا^٣] meaning “I to the power of 3”.
- Awareness Campaign on the Municipality Elections صوتك يفرق**

Groups of senior Law student raised awareness to students and staff about The Municipal Council elections and the role of women in it.
- Recycling the Environment**

The Business Students and Media Club Organized a Recycling Booth for a Cleaner Environment. The campaigns raised student awareness about the environment and recycling.
- Antibiotic Resistance Lecture**

General Directorate of Health Affairs, Eastern Province, represented by infection control management of the General Directorate of Health Affairs, Eastern Province provided awareness to students about Antibiotic resistance. The title was (Kill The BUGS! Not The DRUGS!!)
- Media Club Best Picture Competition**

The Media Club organized a competition for the best picture taken on campus; it was open for female and male students. The winner received a trophy and a valuable prize.
- Saudi Businesswomen Roundtable**

Female PMU student attended the Saudi Businesswomen Roundtable Organized by the U.S. Commercial Service of the U.S. Consulate in Dhahran, Saudi Arabia. The forum was an open dialogue for the women on the present and future.

- **Islamic projects**

Several groups of students consisting of three to six members per group participated in this event. The projects varied, but all were revolving around the topics of Islamic, such as “Let’s prosper and Rise”, Prospering and rising in our community is a responsibility for all of us”. The chosen topics under this theme showcased the importance of social responsibility by either creating awareness about these different topics or correcting the perception of some of these topics in the community. These topics, very important to the society, were addressed from an Islamic perspective.

- **PINT BUCKET DAY (Color Day)**

The event was mainly created to provide some entertainment for PMU students generally and Interior Design students in particular. The event focused on coloring and rendering various art directions, event activities including abstract art coloring, markers and watercolor sessions.

- **Women in IT (ACM)**

The ACM club held an event in the female campus to inspire prep students to join the CCES department as well as to motivate the students currently in their first or second year. The event consisted of two parts, the first being workshops about Arduino & Electronics, “How to purchase a laptop?” The second part talked about the causes and effects of issues regarding the fewer number of women in computer fields comparing to men.

- **Case Analyze training (done by Law respect culture club)**

This workshop aimed to improve the law students’ case analyzing skills; it explained the different forms of braking out a case, like case brief, case analysis, IRAC or FIRAC, and how to deal with each of them. In addition to this information, the Club organized a competition on this topic of a hypothetical case to be analyzed and solved.

- **law respect culture club Lecture**

It was a lecture about the role of students in the promotion of legal concepts in Arabic.

- **The cybercrime competition (by law respect culture club)**

This event presented the concept of cybercrime and its types and punishments here in Saudi Arabia based on the Saudi Anti-Cybercrime Law.

- **Visionaries’ club “Falling Apart “Event**

In collaboration with the campus life department, Visionaries’ club organized a “Falling Apart event in the lecture hall. There were seven speakers, Two of the speakers were PMU gradates and the other five were PMU students. Gift bags (flash memory, mug, keychain, sticker, and pen) were

distributed for audience and speakers. Food was provided during the event for both audience and speakers. At the end, trophies and certificates were given to the speakers.

- **The 5th & the 6th Law fair day event Spring and fall semester, 2016**

In collaboration with the campus life department, the law department organized a law fair day under titled “Guide me to know my right”. Under the supervision of Dr. Samia Awad, more than 70 law students participated in this event. The participants shared a valuable information to the students, and aimed to spread the legal culture among the female students and to get to know their rights. The event was very successful and it was open to all female students, faculty and staff.

- **Physical Education 1&2 projects fall and spring semester, 2016**

In collaboration with the campus life department, the college of arts and sciences held more than 200 hundred PE projects. Each group of PE students had the chance to educate and share information related to topic in health Habits, nutrition, fitness and stress. The event was held on various location in the female campus.

- **Second Math competition**

In collaboration with the campus life department, the core department organized a math competition; prizes were distributed to the winners.



- **HR journey happening event**

The HR club organized an event called “HR journey happening” for 2 day in raw on the female campus. It was a very informative and enjoyable experience to all female students. At the end of the event the HR club ‘member distributed gifts to the participants.

LIST OF FEMALE CLUBS AND ORGANIZATION FOR THE YEAR 2015

Name	Logo	Description
Media Club		The Media Club provides coverage of all events, news and updates on campus. It Has various members providing students with the opportunity to be competitive, invest their time in something useful and be creative and innovative. The Media Club also manages several Social Media Groups

Safety club		Safety club aim is to organize awareness campaigns and events related to safety
Qewam		The advisor of Qewam Club came up with the club in order to go hand-in-hand with the lessons she gives. She uses a more practical, interactive approach to reach a larger audience than she would if she were just using a classroom setting. The club focuses on promoting important aspects of Islam that play an integral part of everyday life
Design Arise Club		DAC is a club led by interior design students, that aims to help and support students in all design variations and Art & spread the design knowledge.
Wellness Kingdom		Wellness Kingdom Provides awareness of health and fitness on campus for mind, body and spirit.
ACM: Association for Computing Machinery		<p>ACM offers workshops, activities and projects that give opportunities to enhance technical, educational, professional and scientific skills/environment for female students majoring in computer related disciplines.</p> <p>Two sections fall under the ACM:</p> <ol style="list-style-type: none"> 1. Programming 2. Research

Low respect culture Club		We build a social culture to respect the laws and regulations of the place, which is the major component in a civilization.
Visionaries club	Logo under process	Visionaries club Spreads challenges and inspirational ideas with the power to impact attitudes, minds, behaviors and lives, in order to change the world. Visionaries seeks to create a better future for the young generations
HR club		HR club is the authentic source for Human Resource Management information for #PMU students

The Campus Life Department Goals

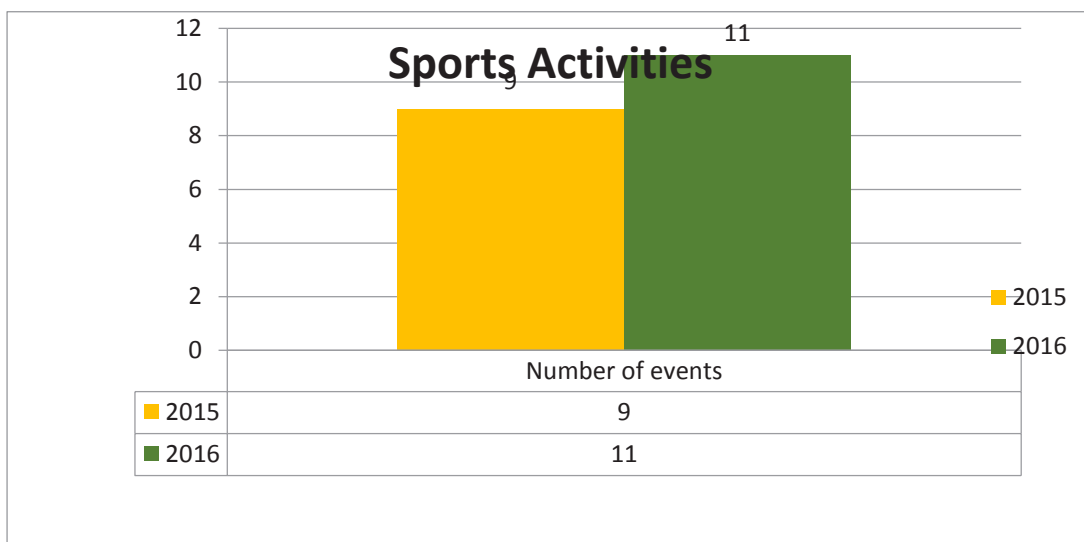
1. Increase number of clubs' activities of 25%

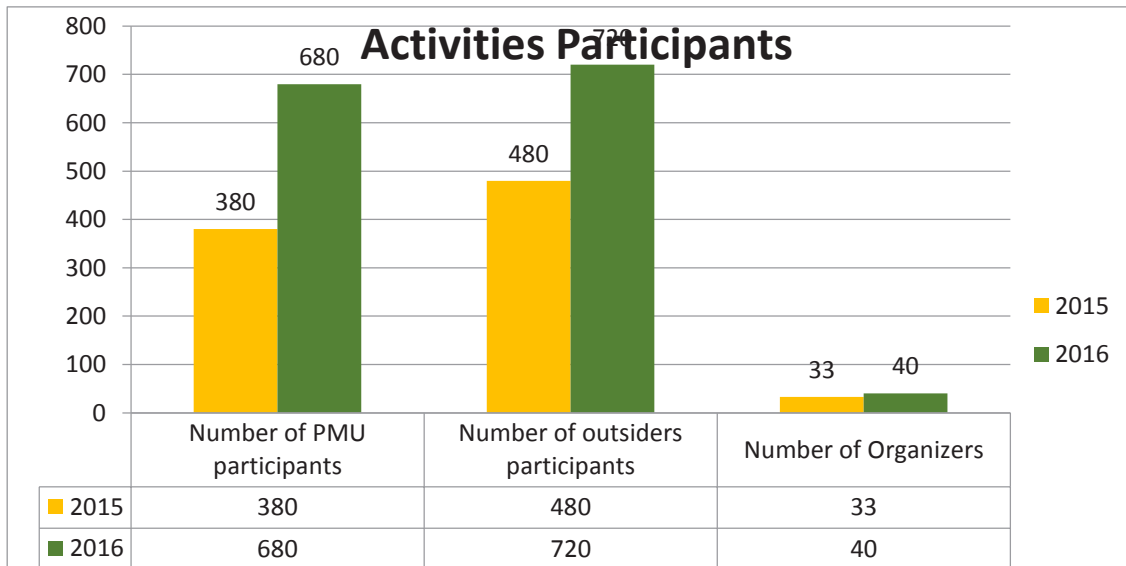
Initiatives:

- For new clubs, Make sure that description and field are beneficial to students and follow PMU vision
 - Get the clubs more involved through Campus Activities by forming a Campus committee or council which will meet periodically.
2. 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
3. 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
4. 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
 5. Organize UN days on various academic and social subjects
 - Sports Activities

The 2015-16 academic year saw a significant increase in the number of students participating in all sport categories. The administration and faculty at PMU strongly believe that all university students should maintain a healthy balance of body along with a well-developed mind. The link between physical activity and academic success have been firmly established. Our goal is to continue to encourage all students to participate in competitive sports activities in the firm belief that university students who are involved in sports are more focused, disciplined and determined in all aspects of academic and professional life.





LIST OF EVENTS

- ### Saudi University Sports Federation (SUSF) Football Tournament

The PMU Football team completed their season with a record of 1-1-2. Nevertheless, the team enjoyed the experience and showed overall improvement, especially considering the high level of performance by the competing universities teams. We hope to build on the team's depth to better compete in the 2017 tournaments.

- ### PMU Swimming lessons for kids and adults.

The PMU sport coach has resumed basic swimming lesson for adults & children from 4:30pm-6:00pm on Saturday, Tuesdays and Thursdays at PMU Swimming Pool. The course is designed to build swimming readiness by emphasizing fun in the water through guided session that helps children and adults to learn basic skills including water entry, bubble blowing, floating, basic swim strokes and more.

- ### SUSF National Swimming Competition

The PMU swim team delivered a very good performance during the Saudi University Sports Federation Swimming event, held at Al Imam University in Al Riyadh. There were 28 universities represented by 167 swimmers competing at the event. PMU's Mr. Hadi Al Zawad placed 2nd in the 50m Breaststroke and 2nd in the 100m breaststroke. Another PMU swimmer, Mr. Abdulaziz Al Dossary, placed 4th in the 100m Backstroke and 5th in the 50m backstroke.

- **SUSF Athletic Special Needs National Tournament**

The PMU special needs athletic team competed in the SUSF competition held at the University of King Abdulaziz in Jeddah. PMU student Fahed Al Harbi placed 4th in the 200m run.

- **Water Polo Tournament**

The spring 2016 Intramural Water Polo Tournament was held at the PMU pool with 4 teams competing – 3 student teams and 1 Staff team. A ceremony was held to award medals to all the teams.

- **SABIC Fun Activities**

The Campus Life Department organized a camping and sports activity for the outgoing students of SABIC. Sports events included a six team football tournament, a beach volleyball game, a table tennis tournament, a swimming competition, 400m running race, an arm wrestling tournament, as well as a variety of arcade sports games. In addition of the sport activities, SABIC students enjoyed a delicious BBQ dinner.

- **Table Tennis Tournament**

The PMU Intramural Table Tennis Tournament finals was held at the PMU Cafeteria on Wednesday, December 7, 2016. There were 38 participants, including students, faculty and staff. After preliminary elimination rounds, the final round saw a tough battle between a student and staff member.

- **PMU Beach Volleyball Intramural Tournament**

The PMU Intramural Beach Volleyball Tournament was held over a 3-day period at the outdoor, sand court at the PMU Sports Center. It was very successful and enjoyable for all 6 teams made up of students, faculty and staff.

- **Annual PMU Volleyball Intramural Tournament**

Eight teams of students, faculty and staff participated in the highly competitive PMU Annual Volleyball Tournament held at the indoor PMU Sports Center court. The matches were coordinated by the Department of Public Relations and Campus Life.

- **Internal Basketball Tournament.**

The PMU Sport Center organized the annual PMU Intramural Basketball Tournament. The 5-day, round-robin tournament was an enjoyable, well-attended event.

- **Annual PMU Football League**

This year 8 teams competed in the annually held PMU Football League. The league is sponsored

by the Department of Campus Life and is held every year at the PMU Sport Center court. There were many exciting moments for the players – students, faculty and staff – as well as the many fans watching the matches.

- **PMU SPORTIVITY DAY**

Under the supervision of the Deanship of Student Affairs, the Campus Life team supported the Health Care Department and PE faculty by organizing fitness a work-out competition. Everyone enjoyed participating in this experience and aimed for better health and wellness prizes.

2.4.2 Counseling and Health Services

Counseling and Health Services are operating on both campuses with male and female Counselors and Nurses. The ambulance services and first aid is always ready to respond to emergencies.

Workshops, Blood Donations, First Aid Trainings, sponsored by the clinic provide students with a range of information to prepare them for a healthy life and allow them to provide a valuable contribution to the community.

Counseling Mission

Our space is a place where students can find acceptance, practical help and understanding. Our primary mission is to provide assistance; helping students to succeed academically and in life. Counselors are committed to providing a safe place for student; where they can be heard and empowered to realize their own identity and potential as future leaders.

Our services provide assistance to all students helping them to gain the skill set and insight they need to overcome adversity; and thrive in their learning and life's little unexpected surprises. The student community is fascinated by our department because we care and are committed to understanding their life's past, help them to advance in the present and lead them to achieve their future expectations.

Moreover, the department of Counseling and Health Care strongly supports central collaboration that serves to strengthen and enrich PMU relations, University wide. We envision a campus where all students are engaged in the development of a strong & vibrant community.

OBJECTIVES

Our objectives are to continually provide necessary and effective support for our students helping them to be: self-autonomous, able to evaluate their own progress and be ready for the challenge. Above all, we aim to help them reach their full potential as persons, by enlightening their spiritual and academic growth.

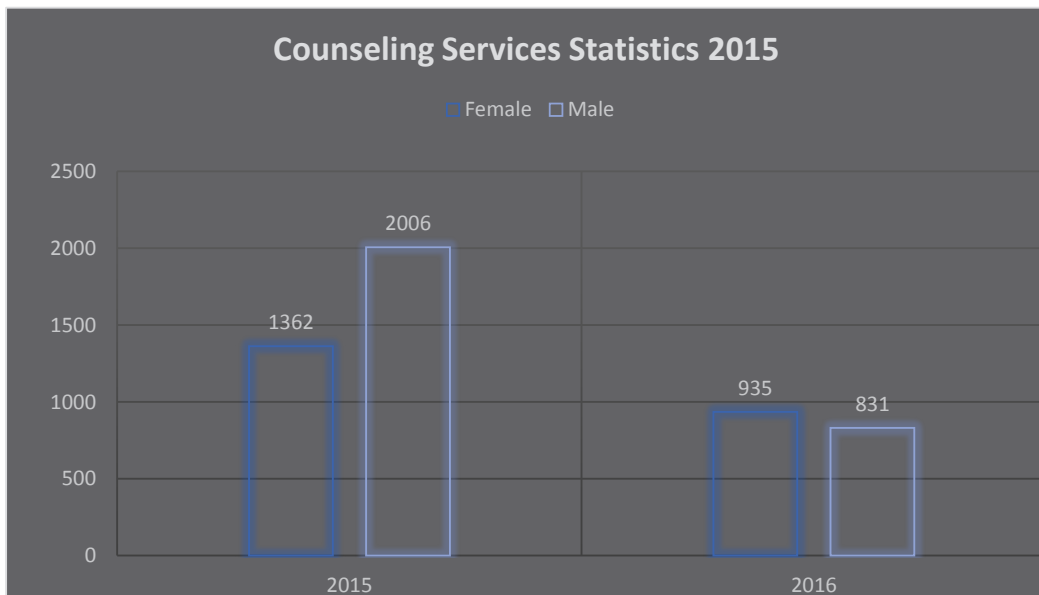
We would like to focus more on the effect and quality of the services we provide for both faculty and students. We feel these areas are vital to maintain and increase the quality of student life and effect communication between all.

GOALS/ACHIEVEMENTS...

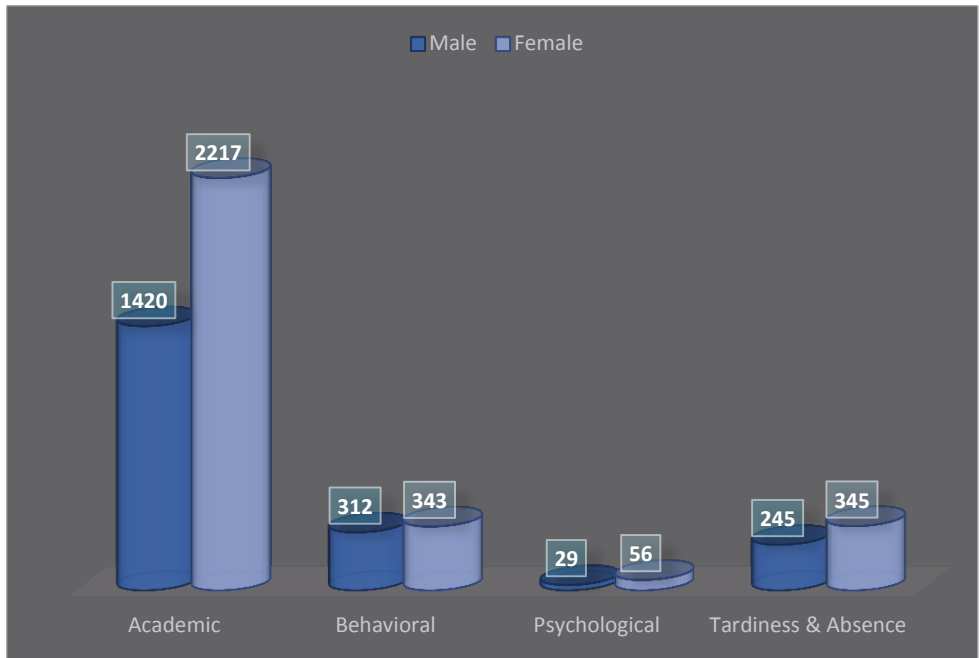
- Partner with faculty and University Registrar to identify students who may be having difficulty coping academically advising and supporting them to overcome these hurdles through an efficient retention monitoring system and direct liaisons with course instructors and heads of departments. We also address possible signs of mental stress or other issues in the student's life and initiate targeted support sessions to alleviate such issues.
- Design programs and workshops according to student's needs, as an outreach service regularly throughout the semester.
- Promote values such as citizenship and community involvement in collaboration with internal & external partners.
- Enhance student health and academic success through increased visibility in counseling services offered to them.
- Provide on-line, downloadable counseling tips: stress reduction, relaxation techniques, study guides and more through the Counseling Services webpage.
- Attend to the mental, emotional and spiritual safety in all aspects of PMU's community through programs, training and new initiatives. Ensure continuity of personalized services.
- Develop and initiate an evaluation process for students to provide feedback about the quality of Health & Care series they receive from CS.

Enhance Healthcare & Counseling policies and procedures

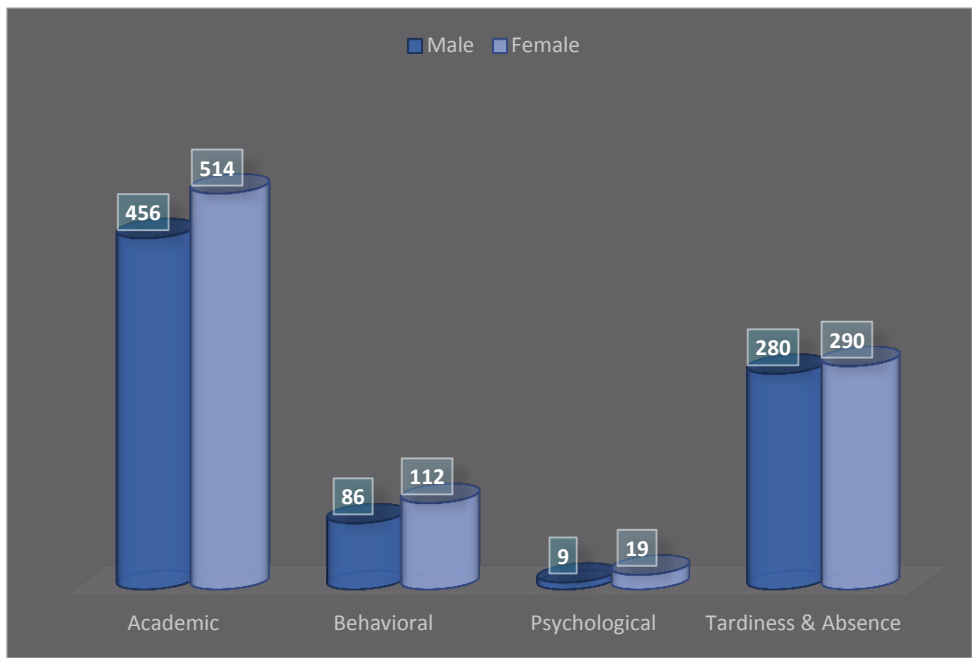
The following graphical charts provide informational data on our services:



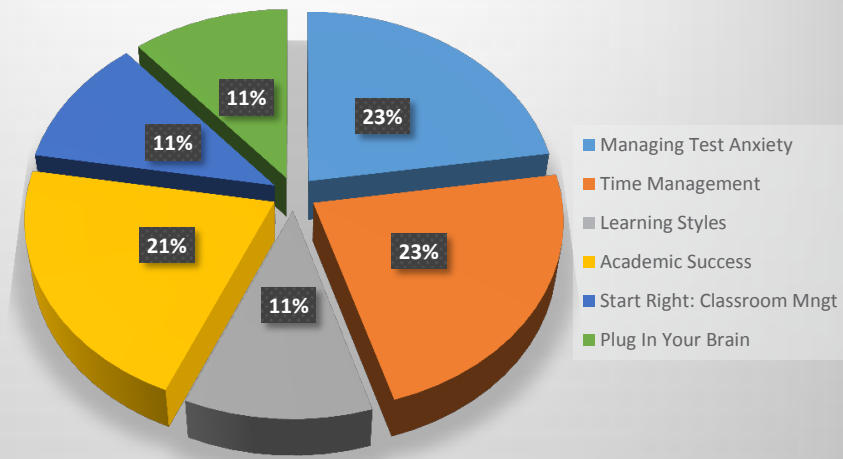
Counseling Services by Category 2015



Counseling Services by Category 2016



Counseling Workshop Activities: Female Faculty & Student Participants 2015-2016



Did you know?

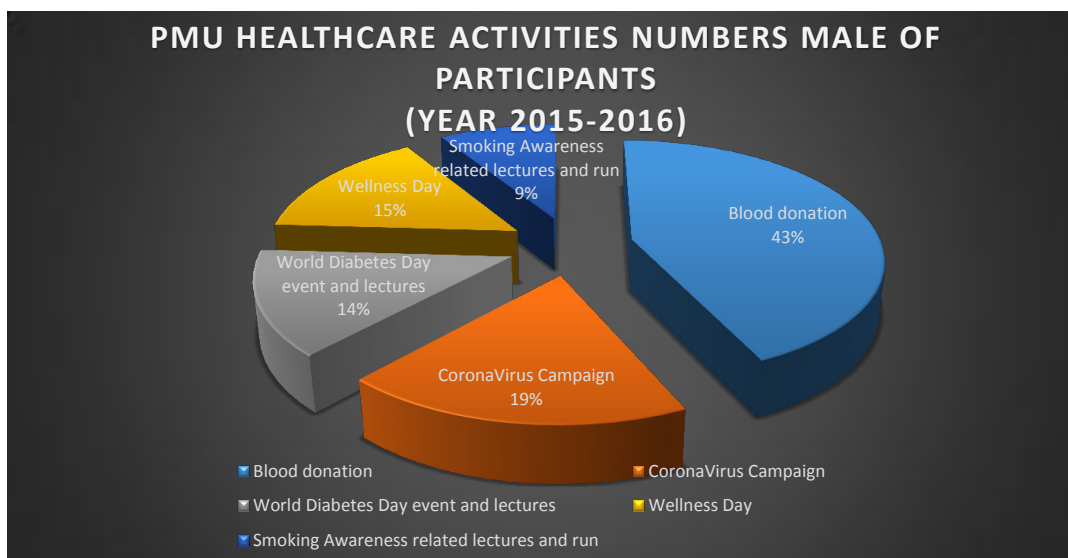
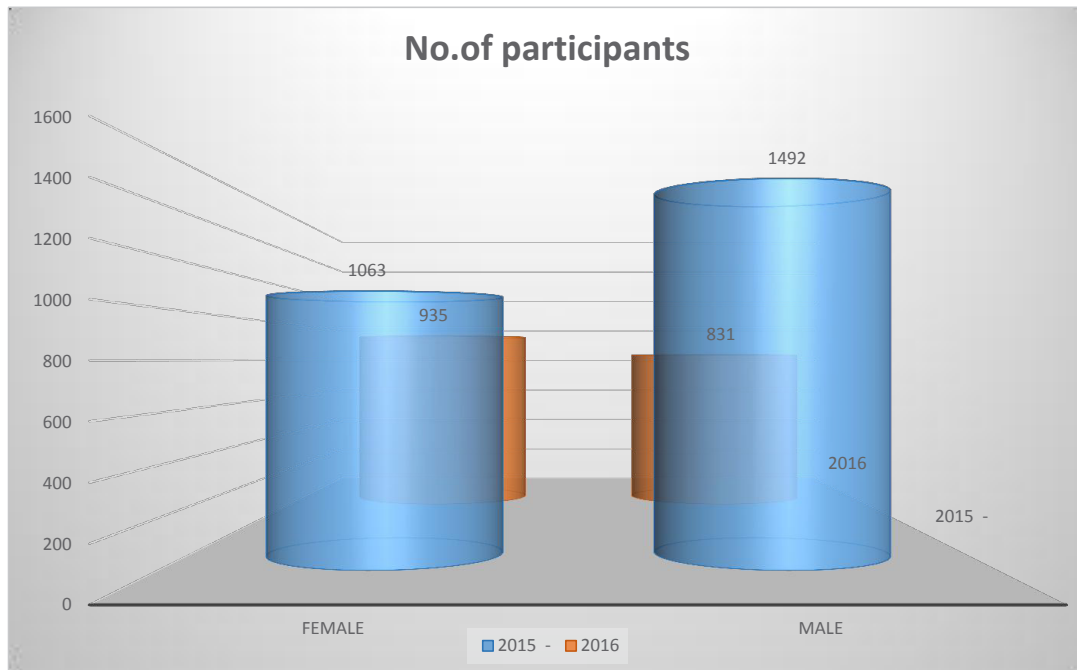
- ▶ 380 monitoring at risk students were followed up by the counselor.
- ▶ 250 students on probation period and academically dismissed were monitored by the university.
- ▶ PMU counselor has conducted over 300 individual and group counseling sessions and handled more than 400 monitoring and retention cases, inquires and referrals.
- ▶ The university counselors also improved the understanding between the teachers and students by daily counseling both parties.
- ▶ Counselors workshops on students' behavior and teachers/student relationship have resolved many conflicts at this campus.
- ▶ Counselors built a very good communication channels between faculty and students.

2.4.3 Health Care Services (Male and Female)

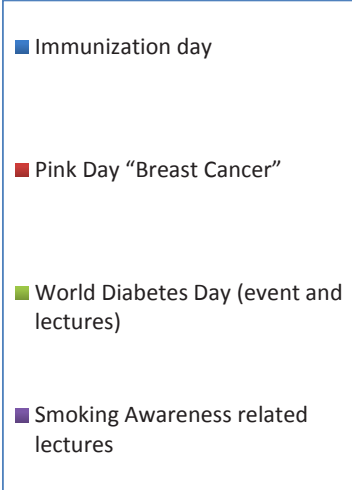
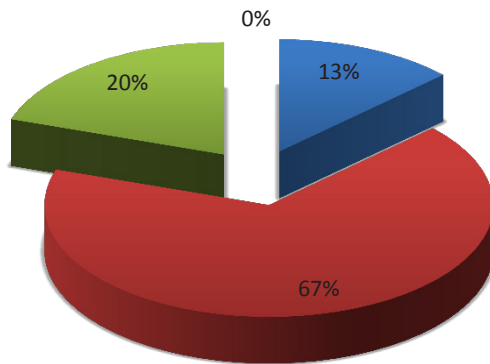
Prince Mohammed University aspires to give the highest quality of medical care to its clientele: the students, employees, and the whole PMU community. The Health Care and Counseling Services Center provides an environment that helps students in reaching their potential as individuals, and encourages their spiritual, academic and social growth. Our aim is to promote PMU students ability to seek appropriate care and treatment for their mental and physical health and wellness.

The healthcare services are playing a key role in our goal to raise student achievement and to raise awareness of the positive link between good health and good school performance. During the 2015 academic years, Health Services logged over 2548 student contacts. These contacts provided students with variety of direct medical and patient day to day care.

No. of Participants in Healthcare Events 2015



**PMU HEALTHCARE ACTIVITIES NUMBERS FEMALE OF PARTICIPANTS
YEAR 2015-2016**



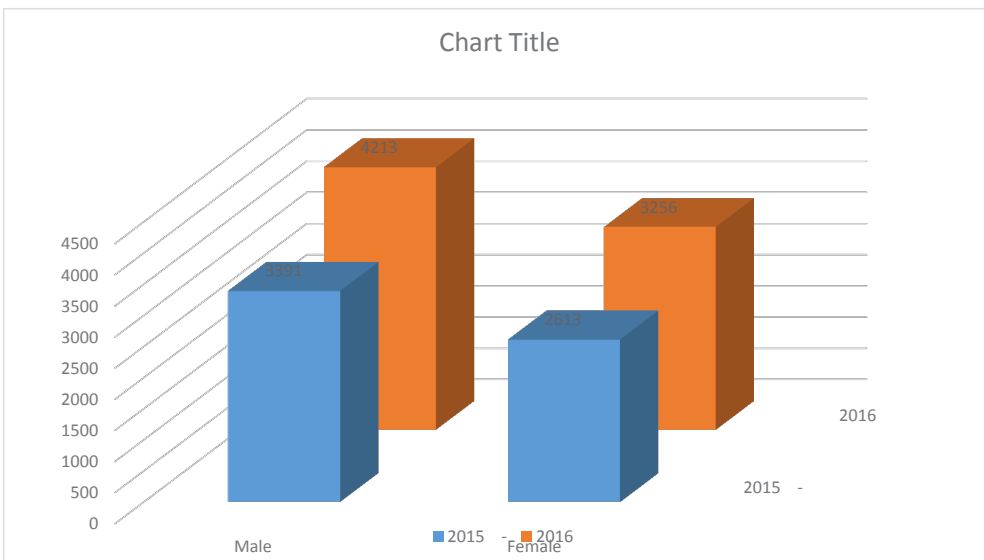
The PMU healthcare center operates as daily health care delivery system with coordinated activities and policies designed to meet the mission of Healthcare and Counseling Department.

Perhaps the most significant accomplishment achieved by PMU health care services was the PMU Blood donation. The main purposes of the event were:

- To provide knowledge about the benefits of blood donation.
- To encourage student participation in the community

Statistical Data accumulated from attendees and participants provide information on how awareness campaigns provide vital information to our students

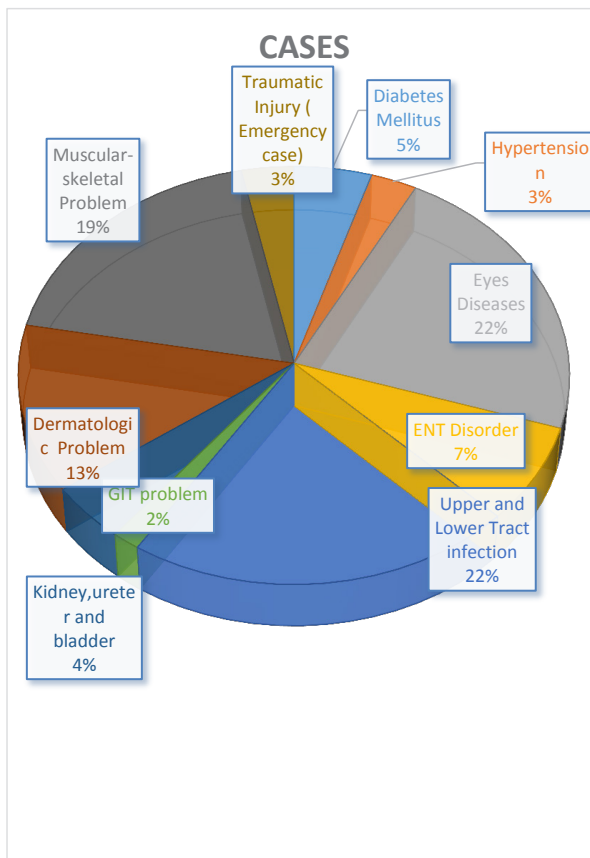
Total Patient Care Statistics by campus: Academic Year 2015-2016



These timely activities were organized in response to the Healthcare Annual report which showed that (URTI) colds, headache, cough, and eye irritation are among the top 5 reasons why PMU students visit the clinic. These symptoms, including sneezing and nose bleeding, may actually be manifestations of allergies

Common Cases Recorded 2015-2016

Item	Quantity
Diabetes mellitus	316
Hypertension	189
Eye Diseases	1463
ENT disorders	491
Upper & lower respiratory tract infection	1423
GIT problem	101
Kidney, Ureter , bladder disease	289
Dermatologic Problem	849
Muscular-skeletal Problem	1233
Traumatic Injury (Emergency case)	214
Total	6568



OUR GOALS...

- Design programs and workshops according to student needs, to promote health on campus through information dissemination and health seminar events

Name of activities	Number of student Attendees	Number of faculty attendees
Alzheimer's lecture	120	20
Smoking awareness campaign	213	12

- Enhance student health and academic success through increased visibility for counseling and healthcare services.
- Enhance Healthcare policies and procedures.

- Improve and implement student E-health file.
- Partner with local health officials to develop appropriate emergency plan.
- Create a university wide crisis response team

2.4.4 Department of Career Services Annual Report 2016

The Department of Career Services assists students with the transition from education to work. Our staff provides assistance to undergraduates who seek help in formulating and implementing career plans.

Our Goals

- Provide students with any needed assistance in preparing to find work, whether in internship, part-time or full-time positions.
- Maintain a balance of service between the on-campus customer (students) and the off-campus customer (employer).
- Establish contacts with the employer community via one-to-one interaction, marketing campaigns, and involvement in professional organizations.
- Gather employers to interact with students to increase awareness for both students and employer constituents.
- Visit employers' premises to discuss their ongoing requirements.
- Conduct on-campus working interviews.
- Provide internships and cooperative programs serving both students and employers as a method of gaining professional experience and exploring career options.

Our Achievements and Challenges

The Department of Career Services has had some great achievements since 2011 until now. For instance, the department's staffing was steady, numerous job placements were found for alumni within the local job market, and students were provided on campus part time jobs in various departments. However, the main challenges the department faced was the difficulty in activating the alumni association, the limited internship placements available in the market and the sheer growth in the number of students seeking training and employment opportunity each year. In terms of the difficulty of gaining training and employment opportunities is due to the current economic situations.

Roles of the Department of Career Services

1. On Campus Part Time Job

In the academic year 2016, part time jobs were offered during the academic 2015/2016. During fall, spring and summer semesters, 37 female students successfully joined on campus jobs in the Colleges Support Centers, Core Humanities Department Support Center, Preparatory year Support Center, Math and Science Support Center, LRC, and Day Care. While in the same time period, 28 male students

joined successfully 24 different on campus jobs in the above mentioned departments, plus the Student Affairs Department (Campus life, Admission, Enrollment, Financial Aid and Career Services), College of Engineering and College of Business and Islamic Studies Department.

Career Services initiated new part-time opportunities in tutoring which were concentrated on the academic knowledge and skill of the students and invest and employ these traits to transfer them to other students who are in need for any academic support them. The most of the part-time tutors were hired in Math, English and Accounting departments. They divided as two males and fourteen females.

Future Plans

The Department of Career Services plans to extend its services on campus part time job opportunities to off campus by providing currently enrolled students external job placements in the local market. Also, the department plans to activate on campus part time jobs on a wide base to help students gain more opportunities in earning money and gaining experience that will increase their confidence and ability to deal with responsibility.

2. Internship

The department succeeded in placing around 243 female interns and around 284 male interns during the year 2016 in various local, national and international companies based in KSA. During the summer semester, PMU had sent students for internship in foreign countries like Dubai, Lebanon, and Bahrain. Internship that is taken internationally offers students the privilege to observe differences in businesses, see how projects are handled in different cultures and how they differ from the way they are conducted in the intern's home country.

In the summer of 2016 the College of Business Administration had interns from all four departments: Business Administration, Management Information System, Finance and Accounting. Business interns have performed their internship either inside or outside of Saudi Arabia. Some of the companies that cooperated with PMU in the internship program were:

Al Inma Bank	Tasnee	Al Jaber Company (KIA)
Montazah Holding	Maadin Company	Al Najim Co
Rajhi Bank	Sipchem	Al Olyan Group
Procure Riaya Hospital	Worley Persons Company	Al Riyadh Bank
Marmar Holding	Al Tuwairqi group of companies	Al- Sanad Co
ديوان الخدمة المدنية	Saudi Paper Group	Al Shablan Group
King Fahad Specialist Hospital	Arabian Amines Company	Alahli Bank
Mayar	PWC	AlTawamiya Insurance
Worley Parsons Arabia	King Fahad Hospital of University	Al-zamil Exchange Co
NCMS	Bank Al Bilad	Al Zamil Industrial

مجمع الأمل للصحة النفسية	Aljazira Takaful Ta'awuni	Al Zamil Offshore
Fransi	SSBS (Othman Holding)	ARAMCO
Abdulhadi AlQahtani & Sons Co	Sibc Block Factory	Aramco Trading
F9 Business& Contracting	NCB	Baker Hughes
Riyadh Bank	Al Suhaimi Holding	Deloitte
Dresser-Rand Arabia LLC	Mustang-HDP	Halliburton
AlRashed Group	Honeywell	Khalid Abdulaziz Establishment
HCO	Hollandi Bank	KPMG
Al Qahtani Group	Al Shammasi Trading Co	Mashreq Bank in Dubai
Dar AlRiyadh	Intertek	Nesma Trading
MAF Trading Est	PriceWaterHouse Cooper	
Bin Quraya	Artama Gen Contracting	BMK
Medart Clinic	Schlumberger	Consolidated Contractors Company (CCC)
Yokogawa	Olayan Group	Shoaiabi Group
ANB	GE	Arabian Drilling company
Bank Albilad	Al Rushaid Construction	Hazza Subaie Contracting Company
Flowserve AlRushaid CoLtd	SATESCO	Aljomaih hoding
JASCO	Karaan	Rezayat Sparrow
Al Osais	PMU - ELI Department	Abdelhadi Alqahtani Company
GTS	Pro Care	Rashid Al-Dossary Trading
Salama Radiator Factory	Dupont	Rawabi Holding
Marsh & McLennan	United International Trading Company Ltd	RAZ Group
SATROP	IYA invesment company	SABB
Al Fransi Bank	SHADE	SABIC
Olayan	Afaq Employment	Saudi Fransi Bank
AlMuhaidib	Telal Al Dhahran	Saudi Hollandi Bank
TNTERCoNTTENTAL	WAMCO	Al RAjhi Bank
Nada Dairy	MA	Riyad Bank
Suliman AlRasheed Co	PNU	Inmaa Bank
Mayer	Konooz	Saudi Orix
kids & co	TL Group	SRAK
SAAB	Al Manaa General Hospital	Tamimi Co

The College of Engineering had interns from the Departments of Interior Design for females, and Civil, Electrical, and Mechanical Engineering for males. Some of the major organizations and offices PMU students performed their internships at were:

A-A-Designers-Chairman	Al Zamil Offshore	SCADO
Abdul Hadi	Bin Laed Group	Al Kifah
Abdullah Abatain Group	Chenille	Almuzel engineering and consulting office
Abdullah Khalifa Factory	Electrical Industries Company	Designplus
Abdullah Rashed Al-Dosari	Madden Phosphate	Sumizura
Al Awami Office	Nesma & Partners	Suran
Al Hokair	Rewaqa Al-Khalij	VADO
Al Mohaideb Consulting and Design Engineers	SABIC	Lemasterseng
Al Zamel Industrial	Saudi German Welding Equipment Factory	Consolidated Engineering Company
Ala'a Hariri Interiors	SCECO	Ghali Arts
Alawami	Sonia Ashour	Fedn Consulting Engineering
Arabian Design Plus	Worley Persons	Al Fraihi Consultant Architecture & Planning
ARAMCO	Weather forward	Al Raed Consultants
ARCON	STC	Alaa Hariri Interiors
Azmeel Construction	TEKFEN Co.	FACE
Al ZAmil Industrial	Trust Consultants	A.A.M. Interiors
VAD		Tekffen construction

The College of Computer Science and Engineering had interns from the College of Computer Engineering, Computer Science, and Information Technology. Our IT interns have performed their internships inside and outside of Saudi Arabia. The major companies that trained PMU internships included:

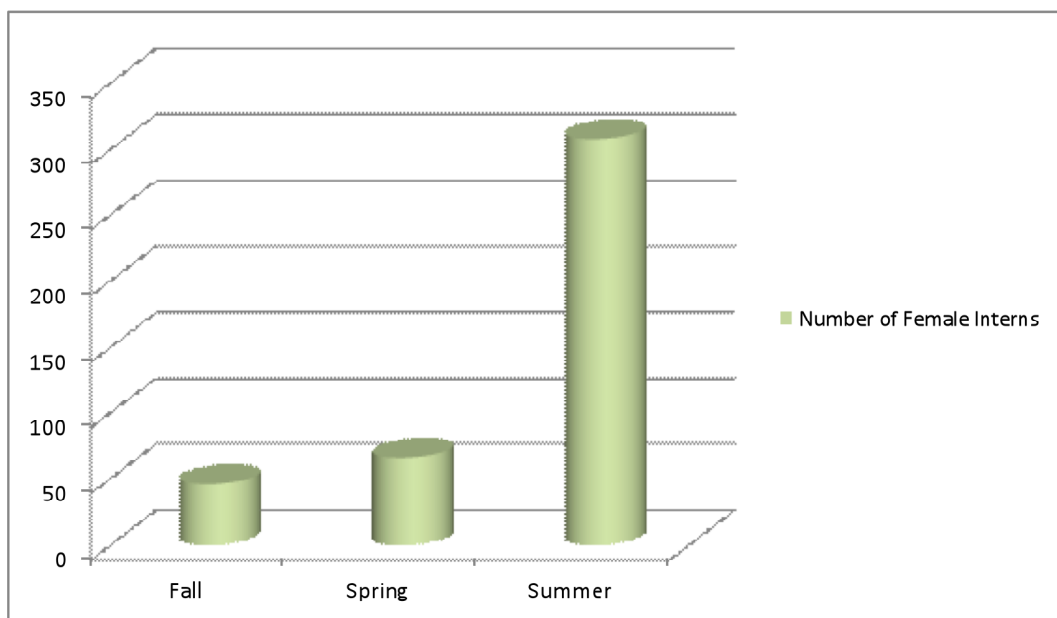
Baker Hughes	Alfifa Establishment	Aramco
Halliburton	Al-Jorasy	Gulf Cloud Corp
Yoco gawa	COMM IT	Rawabi Holding
Schlumberger	Saudi Chevron	Gulf Gaihab Int.
VIVA	Al -Kifah Holding	Al Rammah Holding
UTM	STC	Alkuraimi Bank for Islamic Microfinance
UTM	STC	Alkuraimi Bank for Islamic Microfinance

Last but not least, the College of Humanities and Sciences had interns from the Law major. Our law interns have performed their internships inside Saudi Arabia. The major companies that trained PMU internships included:

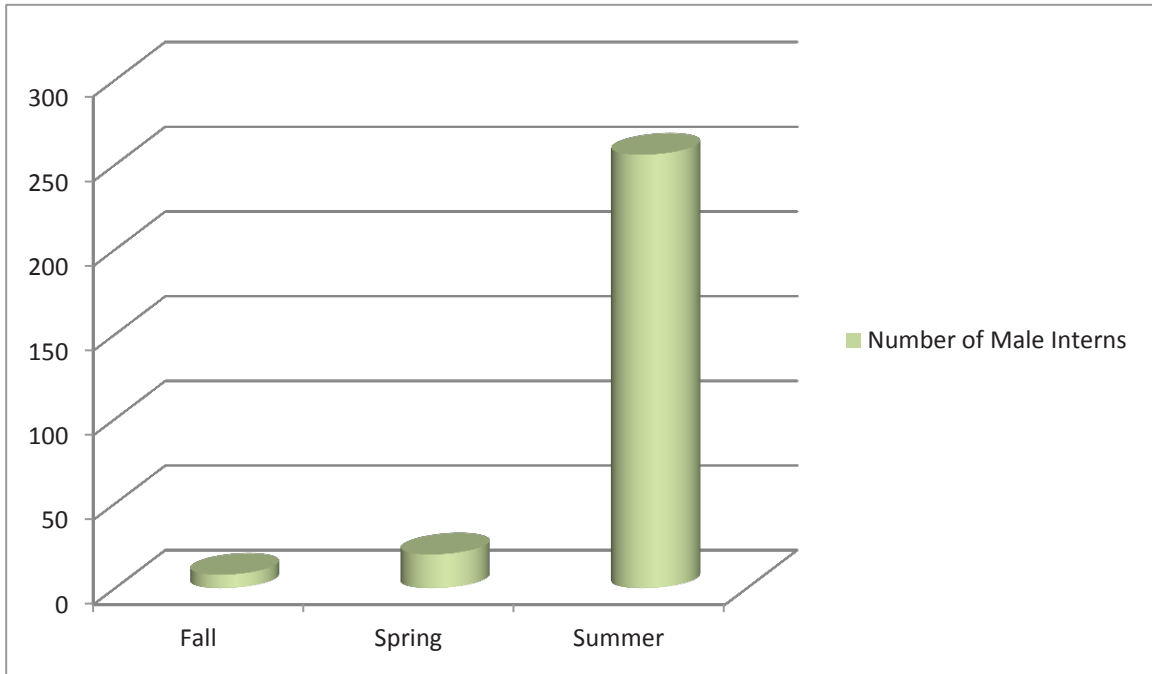
Al-Fozan Compnay	ADCO	Aramco
Al-Sunaid & Talal LAW Firm	Al Hotabi for Law	
	Hussam A Bakhurji LAW Firm	
New world Factory	Al Falak Company	Attorney Ibrahim Al Balawi
Abdulhameed AIMubarak Law- yer & Legal Consultant	AL DHAHERI INTERNATIONAL ADVOCATES	Al Muhaideb
Jassim Al Atiyah Lawyer & Legal Consultants	Al Jubairi Law Firm	Al Rasheed & Al Musained
Rawabi Holding	WorleyParsons	Jasim Mohammed Al Atiyah Lawyers & Legal Counulnants
AL Ghazzawi Proffessional As- sociation	Amiantit	Dr. Fahad AlKhelaif Law Office
Al Etihad Law Firm	The Consultant, Lawyers & Con- sultants	

The following graphs below indicate the internship for both females and males for the 2016 academic year:

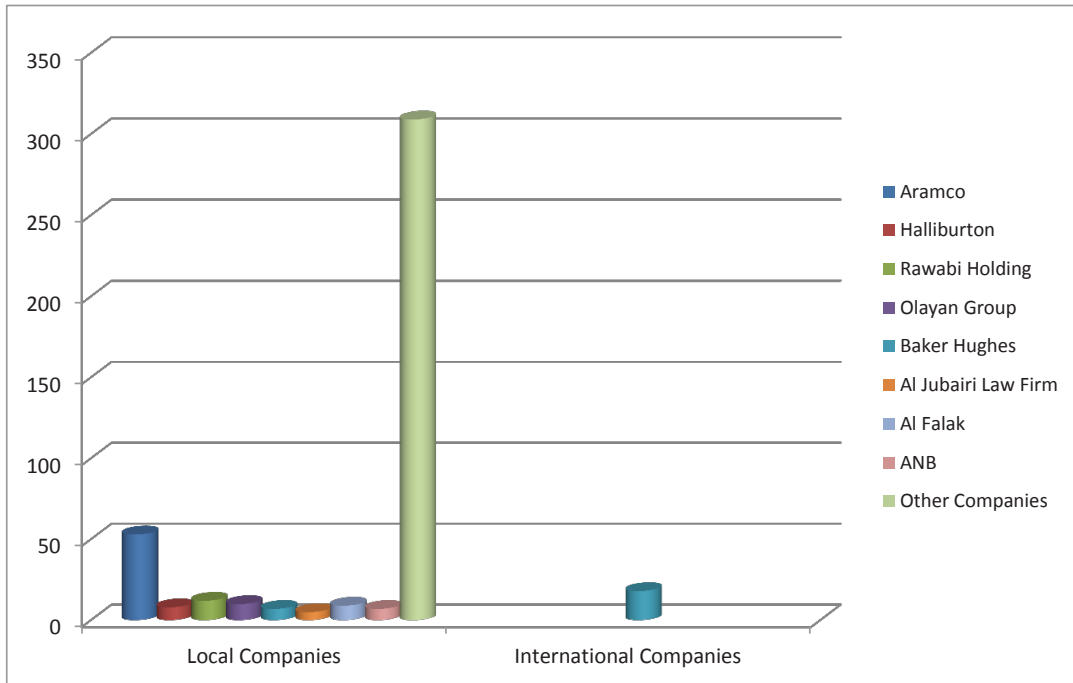
Number of Female Interns



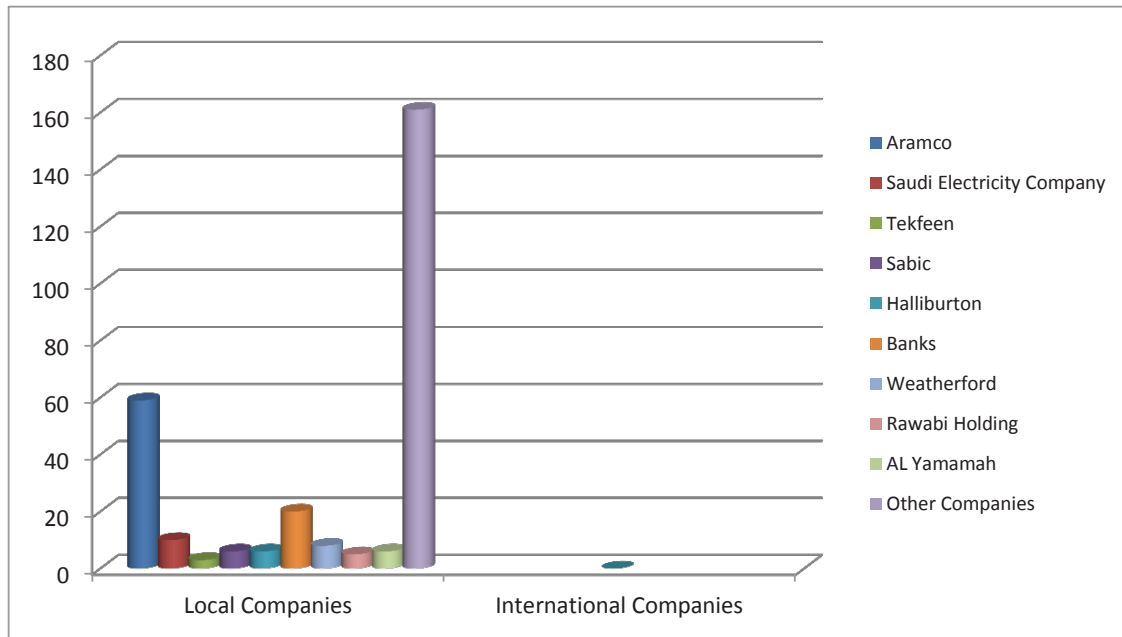
Number of Male Interns



Female Interns Distribution amongst Companies



Male Interns Distribution amongst Companies



Future Plans

- The Department of Career Services plans to conduct a workshop that will help students select companies of their choice for their internship. Continuous relationship building with training companies is a goal for the career services department. Additionally, helping students obtain internship placements in various companies throughout the country.
- Workshops and Seminars
- Throughout the academic year of 2016, the department was able to conduct several workshops and seminars as well as going on professional visits to some organizations with students and graduates.
- A workshop “Internship orientation”, on male campus, for about 80 students in each campus, it was an educational lecture that targeted all students who applied for the Internship Program for the Summer Semester 2016, aimed to communicate all academic and professional requirements in order to provide the eligible interns with a beneficial awareness of the training process, policy, procedure and criteria required by the employers and to achieve successful internship experiences in the work field.
- Baker Hughes Women’s Resource Group will be hosting a 2 day “Tools for Leadership: A Focus on Professional Communication” Seminar, in collaboration with the US Consulate General. Prof. Kay Westerfield who works with Global Communication Consulting conducted that seminar. Representatives from PMU female campus (2 students and 1 member from the Career Services Department have been invited to join that Leadership Seminar. It was targeting senior and junior female students from PMU Colleges.

- The seminar names as: “Tools for Leadership: A Focus on Professional Communication” which included an opening session began with an ice-breaker activity on models of leadership in which participants, the local leaders, discussed and shared their own leadership experiences. The focus then moves on to characteristics and skills of effective leaders, adapted from the work of Covey.
- The participants built their Emotional Intelligence (EI) by increasing awareness of their own personality and communication style and discussing the implications for leadership and entre-entrepreneurship.
- Career Services Department hosted representatives from Aramco/ Women Development & Diversity Division to conduct workshops for the senior students about how to be prepared for the future career. Number of attendees was around 161 Female students. It was a half day seminar and covered interesting topics such as (Personal Branding, New Hire Competencies, A career in Finance, Volunteerism the seminar ended with Panel Discussion) which are crucial for the students who are about to embark on new careers. Therefore, that event was a good opportunity to our senior students and alumni to be aware of the labor market requirements and challenges.
- Accenture Company PMU students to attend the Accenture’s celebration of International Women’s Day (IWD) which will be held at Abu Dhabi, UAE in April 2016. Career Services Department nominated some students from top achiever females who proven to be successful during their study. As a result, 2 female students and 1 member from the Career Services Department selected to attend the International Woman’s Day which was held in Park Hyatt Abu Dhabi Hotel and Villas. The event focused on building skills and offered inspiration that participants can apply on their own career journeys, It amid to encourage the audience to ‘be greater than’ everywhere, every day. You will also explore and discuss how digital’s influence is leveling the playing field for women and how “Being Greater Than” embedded in our beliefs and values – both personal and professional.
- A visit was arranged to the “Young Talent Fair” event on April, 2016 which took place in Emerald Hall, Dhahran EXPO. This event was organized by SPE (Society of Petroleum Engineers) sponsored by Saudi Aramco. It introduced the oil and gas industry to college students and exposed them to the various golden future career opportunities. A group of 27 Female and 35 male students from all PMU colleges (Engineering, Business Administration, Computer Engineering & Sciences and Arts and Sciences) had the chance to participate in this event and met some oil and gas companies’ representatives. During the day, interactive booths pertaining to different disciplines, including Geosciences, petroleum engineering, etc. were available for students’ knowledge enhancement and entertainment during the break between sessions. These are also expected to dynamically encourage student’s participation. It was a full interactive day between the students and the company representatives.
- Career Services Department organized the 2nd Alumni Homecoming event, the homecoming titled “A Time of Meet up with Classmates at the Departmental Open-house”, the event was held at PMU auditorium in November, 2016.
- The event included many beneficial activities designed especially for PMU alumni. This time PMU invited an international keynote speaker and the most HR influential thinker in Europe, Professor Chris Roebuck who is often quoted in international press, CNN, BBC to undertake leadership workshops. The meeting was including many event such as workshops, Successful Stories which

spoken by a distinguished PMU Alumni to influence and encourage their friends to carry on and face the market challenges, as well as help and support each other's though building a strong relationships between them. A survey about the event was filled up by the participants to express their opinion, needs and expectations for the upcoming meeting which help us to meet their needs and requirements and implement them in the 3rd Homecoming Event.

- Engineering for Kids in institution visited PMU campus – Male section in September 2015 to hire PMU students as part timer employee. This educational institution brings science, technology, engineering, and math (STEM), to kids ages 4 to 14 in a fun and challenging way through classes, camps, clubs, and parties. They are inspiring children to build on their natural curiosity by teaching engineering concepts through hands-on learning. After the induction meeting which attractive the vast majority of the students as well as the some faculty members from math department and engineering college. As a result, EFK hired 21 male students; those selected students attended an intensive practical training on campus before they started working.
- A group of PMU students visited Jubail Industrial College, KFUPM's, Dammam University and Ashrqia chamber Career Days. These visits were very beneficial for students as it exposed them to the job market and the process of being hired for desirable job positions. The majority of the participants especially the engineering students had conducted job interviews with Human Resource Departments of the participating companies.
- Future Plans
- The Department of Career Services is continuing last year's plan, whereby it will prepare for more careers-targeted training courses, workshops, and lectures for the upcoming academic year 2017. Also, the Department plans to launch a Leadership Program, termed Career Development Program (CDP), and thereby launch a new intake for the Academic year of 2017. Some Career Assessment Tests will be implemented in order to maximize the benefit that can be provided by the Department.

Colleges	Majors	Employed Alumni		Alumni Continuing Post-Graduate Degrees		Unemployed Alumni		Alumni with no full information		Total Graduates	
		F	M	F	M	F	M	F	M	F	M
College of Business Administration	Accounting	4	3	0	0	14	1	0	0	18	4
	Business Administration	3	6	0	0	19	6	0	0	22	12
	Finance	5	14	0	0	52	12	0	0	57	26
	Management Information Systems	1	7	0	0	21	9	0	0	22	16
	Human Resources Management	3	5	0	0	42	17	0	0	45	22
College of Computer Engineering and Sciences	Computer Engineering	1	3	0	0	32	2	0	0	33	5
	Computer Sciences	1	1	0	0	3	1	0	0	4	2
	Information Technology	1	2	0	0	8	6	0	0	9	8
College of Engineering	Interior Design	4		0		37		0		41	
	Civil Engineering	0	5	0	0	0	11	0	0	0	16
	Electrical Engineering	0	21	0	0	0	15	0	0	0	36
	Mechanical Engineering	0	36	0	0	0	41	0	0	0	77
College of Sciences and Human Studies	Law	1	2	0	1	10	4	0	0	11	7

3. Career Day

The Department of Career Services has worked on forming a proposal for a Second Career day (Mini Career Day), planned to take place at the end of spring semester for the year 2017. As a result, at that particular time most of the senior students will be ready to graduate in spring or summer of the year of 2017.

Future Plans

The Department will proceed with last year's plan and will work towards getting approval for at least 2 Career Days in each academic year. The aim for 2 Career Days (Mini Career Day and Master Career day) is to make it as beneficial as possible for all students and graduates.

4. The Graduates (Alumni) & Employment of the Alumni

PMU had 493 graduates this year, 262 females and 231 males. Many of them were employed at highly recognized companies, while others chose to pursue their post-graduate studies at well-known universities locally and internationally. The Department of Career Services contacted the graduates to follow up on their employment status*, and the collated information was as follows:

Employed Alumni

Some graduates chose to start their own businesses and become young entrepreneurs, whilst others were employed at highly-recognized organizations such as:

SECECO	Al Shaya Company	Halliburton
Schlumberger		
Yokogawa	International Technology Electrical for System	
STC	Aramco	Jacobs – zate
Tasnee'a	Al Ezdhar Industrial Services Est	JP Morgan Bank
Tobaz Al Shark Trading Company	PMU	KEMYAYAH
Prince Mohammed University (PMU)	Zamil Industrial Group	Madar Al Salmah
Zain telecom	Alia Company	Ministry of Education
Al-Hamam Company	Concept Design Consultant	Silen water conversation corporation SWCC
Johnson controls	PWC	Mustang
KAA Establishment	Al Jubairi Law Firm	National Engineering
Naje Essa Alessa Co.	Al Falah	Sadara
Yara Contracting	Johns Hopkins Aramco Health care	Nazih Group

Car Care Express	Al Qaryan Steel Co.	Nesma Company
AltraIndustrial Service	Al Bilad Bank	OFIS
Gulf Contacter Company – GCC	Red Sea Housing Services	Pan Gulf Holding
NALCO	Al Faran	Panalpina Swiss Co.
Metal Engineering	Al Inma Bank	PriceWaterHouse Cooper
Al Tamimi Group	Al Jawad Press Center	Prince Mohammad Bin Fahd University
Maaden Co.	Al Mutlaq Group	Procter & Gamble
Saudi Ready Mix	Al Qabeda	Royal Commission for Jubail and Yanbu
AL Othan Group	Al Riyadh	SABB
Al Olyan Group	Al Yousef Hospital	SABIC
Al Tourki Grop	Aljubail Plaza	Saline Water Conversion Corporation
AMAINITIT	Alshahil Company	SAMBA
ARAMCO	Saudi Oger	SAMSUNG
Baker Hughes	Dar Al Riyadh	Saudi Alfaransi Bank
Communication and Information Technology Commission	General Electrics	Saudi Electricity Company
Dar Al Handasa	Saudi Hollandi Bank	

Alumni Continuing Post Graduate Studies

Several graduates chose to continue their master's degrees. They enrolled in very well-known Universities locally and internationally in countries such as Spain, CA, USA and UK.

Future Plans

The Department will try to find more job placements for currently unemployed alumni in their fields of interest. Also, the Department will use all PMU social platforms to keep in touch with its graduates and intensive the collaboration between the university and its graduates.

6. Alumni Association

As the number of alumni is increasing, the university's responsibility towards those alumni is also increasing. This is why the Department of Career Services will continue developing its Alumni Department which will support the alumni in all their career related aspects and may help them in finding job opportunities. The alumni association will also continue to be developed. Its members will be from the alumni themselves and they will work closely with the alumni office in order to support it in its mission.

Alumni Association Responsibilities: Organize social events, publish newsletters or magazines, and assist with fund-raising, utilizing alumni networks in the corporate world, identifying former students who may be able to assist current students with internships and summer work programs; and working with PMUs Alumni Office to assist graduating students with job placement.

The Department conducted the 2nd PMU Homecoming Event for PMU's recent Alumni. That event involved many academic and non-academic activities, such as a workshop about leadership transmission delivered by a British keynote speaker (Prof. Chris Rebuke).

Future Plans

For the next Alumni Reunion the Department will plan to make the event concise in timing and more interactive in accordance with the feedback received from alumni during the second Alumni Reunion.

In addition to that the alumni started getting their Alumni ID, that ID will be handed out to the Alumni, included their information such as Name, Major, Graduation date and their personal photo, it will includes some many benefits On/Off campus.

2.5 THE LEARNING RESOURCES CENTER (LRC) ACHIEVEMENTS

2.5.1. PMU Library Mission Statement:

THE PMU LIBRARY IS COMMITTED TO PROVIDING A USER-CENTERED INFORMATION ENVIRONMENT THAT SUPPORTS ACADEMIC INQUIRY, MEANINGFUL RESEARCH, AND LIFELONG LEARNING.

2.5.2. Strategic Initiative 1: Services

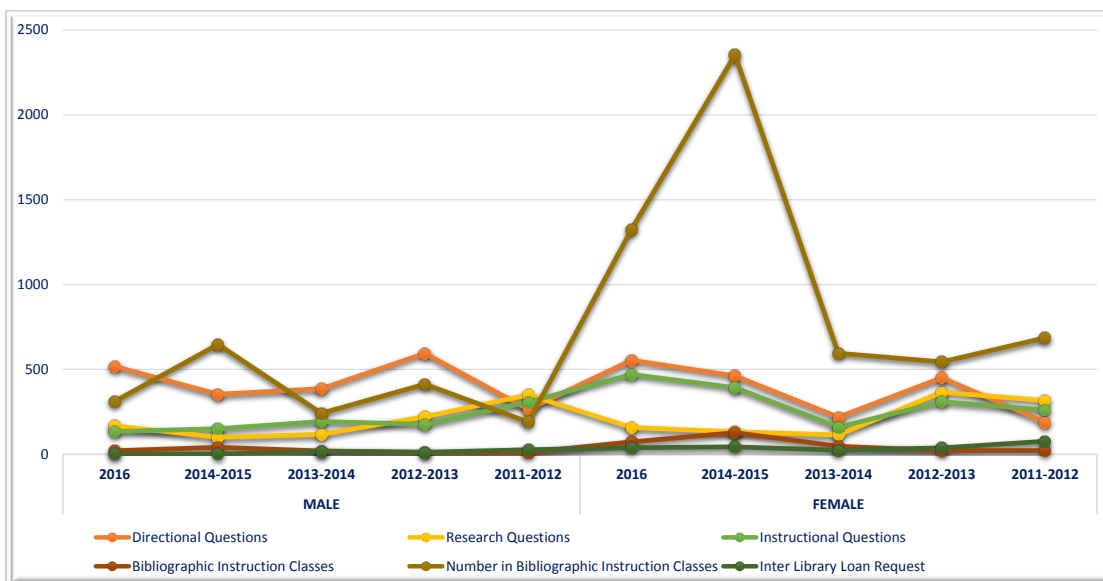
To provide access, regardless of location, to meaningful, quality, and timely information services to support the academic community.

GOAL 1: ESTABLISH, MAINTAIN, AND EVALUATE USER CENTERED LIBRARY SERVICES FOR TEACHING, LEARNING, AND RESEARCH.

Library	Year	Directional Questions	Research Questions	Instruc-tional Questions	Bib-liographic Instruction Classes	Number of students in Bib-liographic Instruction Classes	Inter Li-brary Loan Request
MALE	2016	518	167	134	20	311	1
	2014-2015	353	100	150	41	647	1
	2013-2014	386	118	193	19	242	17
	2012-2013	594	221	176	11	413	12
	2011-2012	265	350	307	11	190	27

FEMALE	2016	554	158	470	73	1326	39
	2014-2015	462	132	392	127	2354	44
	2013-2014	218	114	160	47	595	24
	2012-2013	450	366	310	22	544	38
	2011-2012	189	316	261	21	686	76

Five Year Comparison of Library Services: The number of Bibliographic Instruction Classes appears to be significantly lower in 2016 when compared with the high numbers in Academic Year 2014-2015. The reason for this increase was due to the introduction of the level readers for the Prep Program.



During Calendar Year 2016 the Library:

- Staff provided more than 90 library instruction sessions, tours and other presentations.
- Conducted several orientation sessions for new faculty, staff and students on electronic resources.
- Published PDF copy of the Library Newsletter Vol. 7 Spring/Fall 2015 which was distributed to the PMU community via email and was placed on the library webpage.
- Staff worked closely with Faculty and Deans to identify resources to fill gaps in the print collection.
- Published new library brochures “Guide to the Library” and “Databases Guide” which are available from the reference desk.
- Implemented Group Study Room online booking system went into operation on 7th December. There are eight study rooms on the male and nine study on the female side. The study rooms are newly decorated and have magnetic walls, writable walls and writable table.
- Staff mentored PMU female library club “PMU Reader’s Hive” and challenged the students to diversify their writing. The writing competition was held on April 2016.

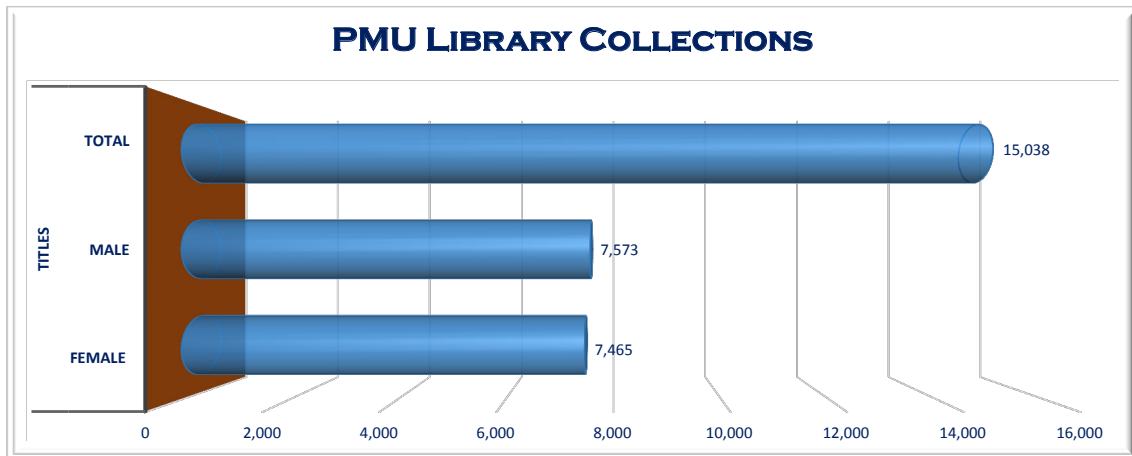
2.5.3. Strategic Initiative 2: Collections and Access

To select, acquire, manage, preserve, and provide access to informational resources to support all programs, inspirational teaching, relevant research, and service.

GOAL 2: TO ENHANCE THE EDUCATIONAL EXPERIENCE OF FACULTY AND STUDENTS BY PROVIDING ACCESS TO THE HIGHEST QUALITY INFORMATION RESOURCES.

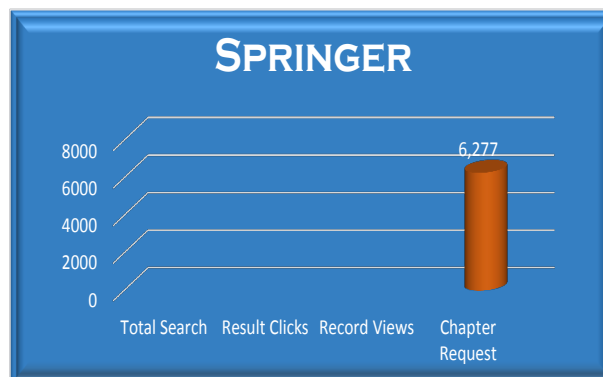
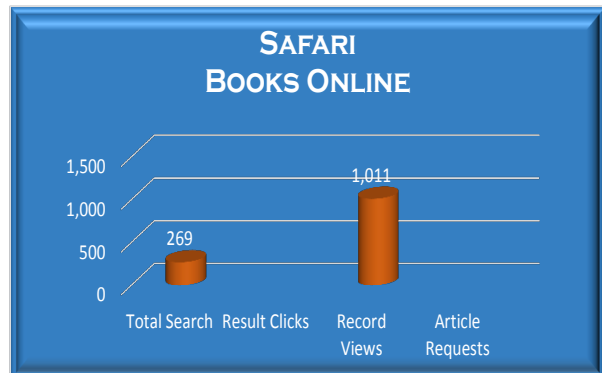
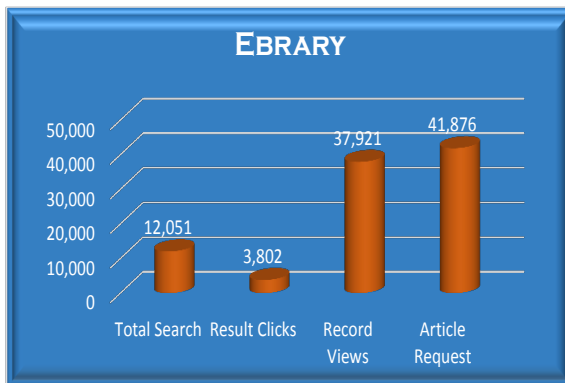
The graph below displays the number of library collections. A total of 2,249 volumes were added to the library collections.

These statistics were generated from the Symphony LMS (Library Management System).

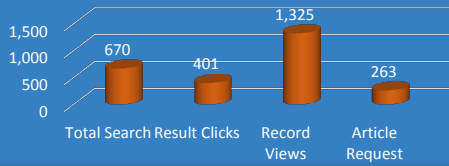


Database Usage

Many important scholarly electronic resources were acquired during the calendar year, which met both gaps in research materials identified by university and complemented the Library's existing extensive collection of bibliographic and full-text databases. This year 2016 the library has access to three electronic books and twenty electronic journals through SDL (Saudi Digital Library) databases. Most of the electronic resources can be accessed 7/24 on and off campus. The graph below displays the electronic resources usage statistics for 2016. The Library Staff do not currently have the ability to obtain user statistics from our other electronic resources, but we are working with our publishers to obtain this information.

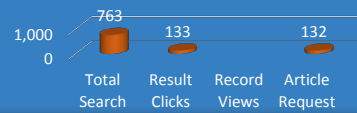


ACM DIGITAL LIBRARY

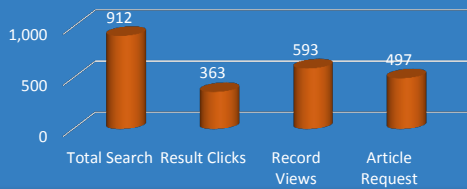


ASCE

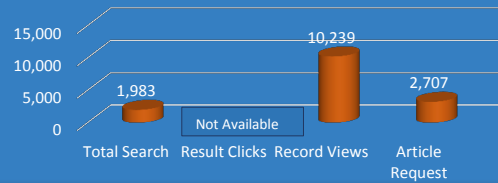
(AMERICAN SOCIETY OF CIVIL ENGINEERS)



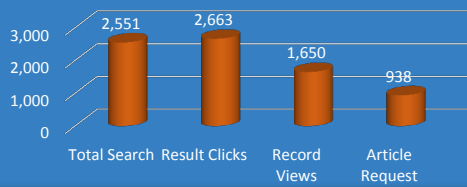
CAMBRIDGE



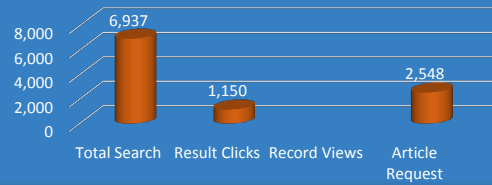
DAR ALMANDUMAH

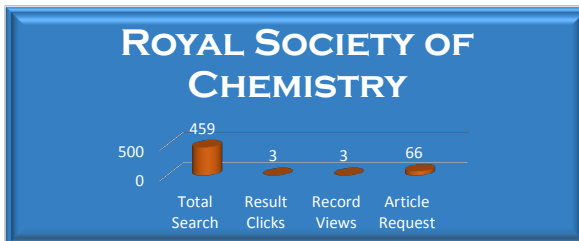
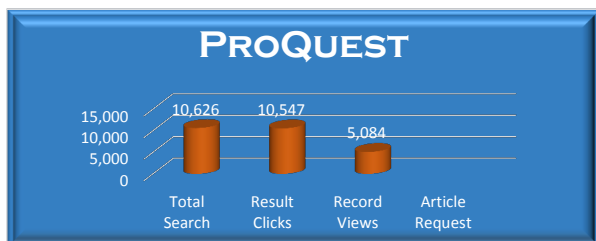
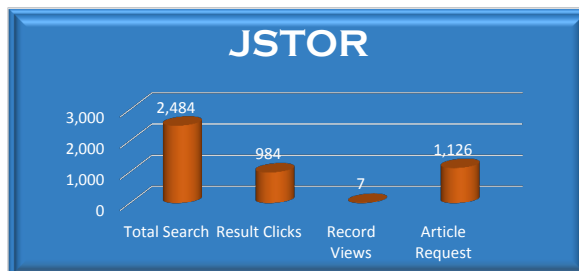
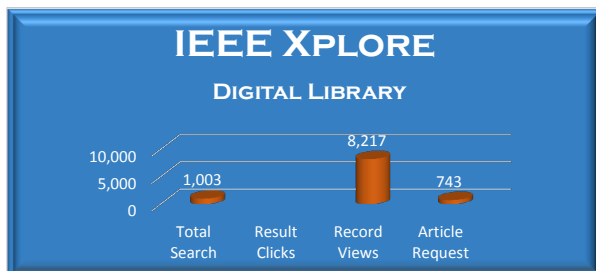


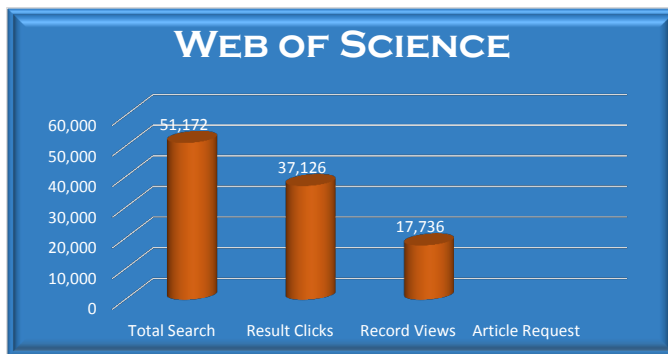
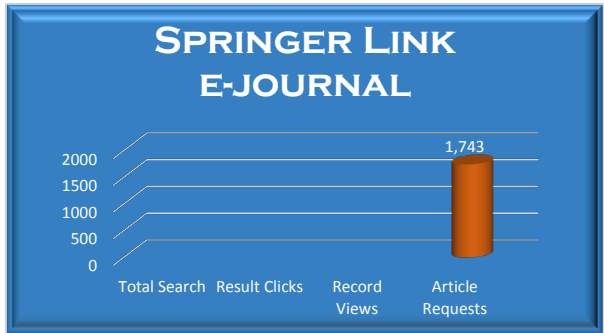
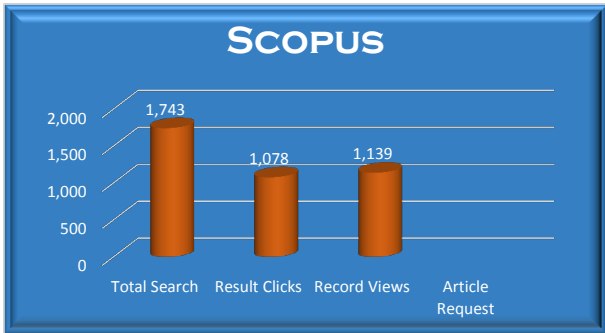
EBSCOHOST



EMERALD

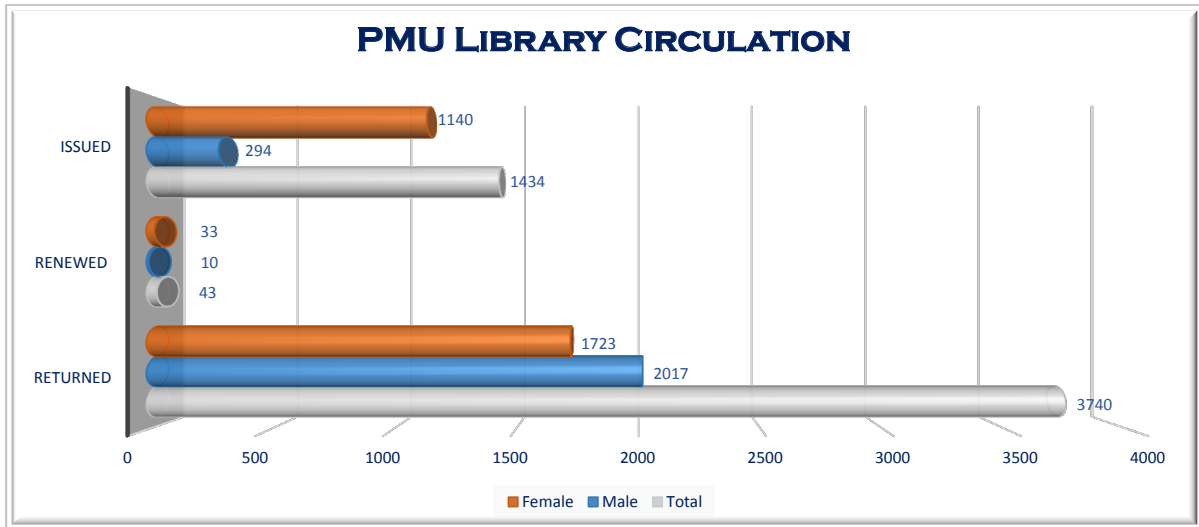




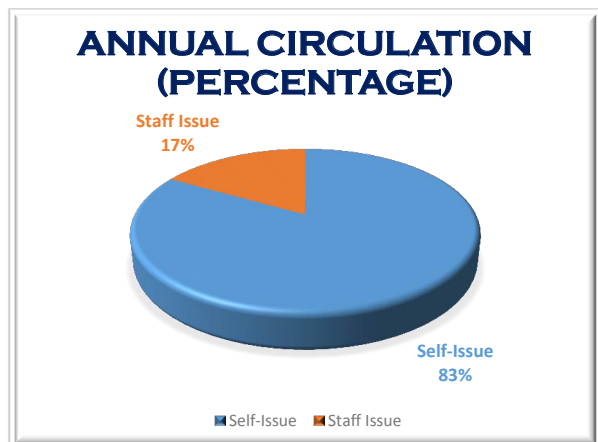
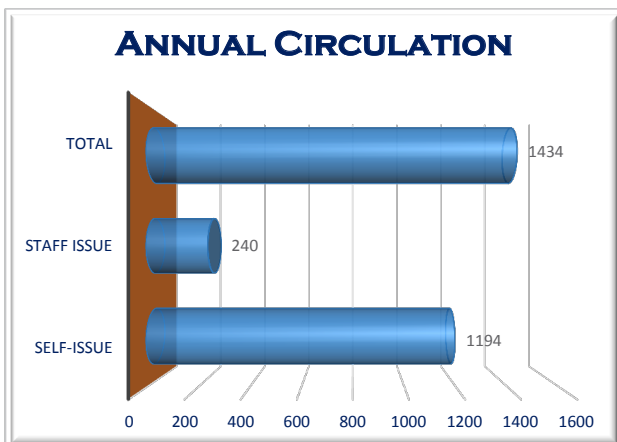


The graph below displays the annual circulation statistics for 2016. Books left by students on table in the library are checked in to ensure that no books on loan are on the shelves. It is quicker to check in each books then to look at the catalogue and see the book’s status. These statistics were generated from the Self-Check Station machine.

Library Circulation – Usage Statistics January 2016 – December 2016



The chart below illustrates the comparison between items issued at the Self-Check machine and items issued to faculty, students and staff by the library staff at the Reference/Circulation desk. There were 17% issued by the library staff at the reference/circulation desk mainly due to Self-Check machine issues. A total of 1,434 books were borrowed by the library patrons. Long term overdue books are being reviewed. These statistics were generated from the Self-Check Station machine.



The Library:

- Students and friends of the PMU library continue to donate books to the fiction section.
- The female library displayed students' work from different colleges.
- Social media such as Twitter and Facebook continued to be used for digital information including activities that are taking in the library

2.5.4. Strategic Initiative 3: Library Environment

To provide adequate, secure, environmentally friendly, and technologically advanced physical environments which are conducive to study research, and service.

GOAL 3: PROVIDE SAFE, CLEAN, SECURE, AND COMFORTABLE LIBRARY FACILITIES

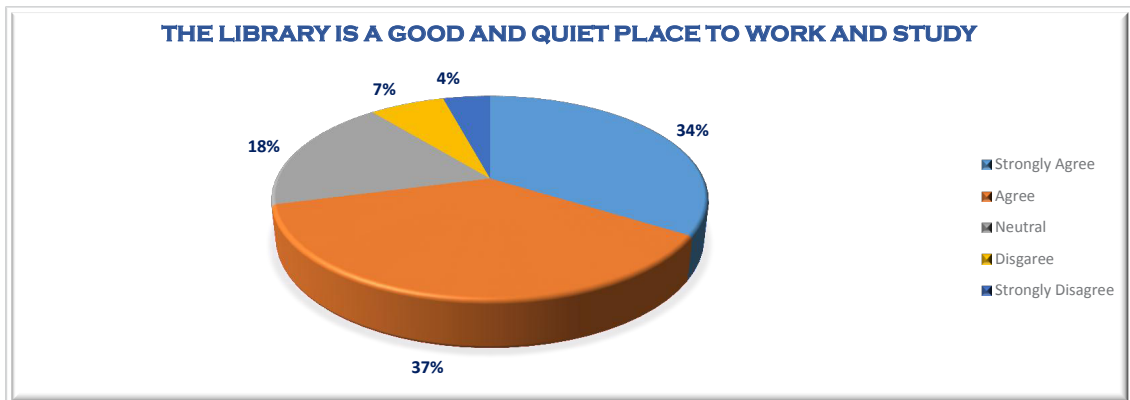
Shelving Space in Library: 3,389 linear feet

Public Access Computers: 20 Female + 32 Male = 52

Seating Capacity: 91 Female + 160 Male = 251

Information Classroom (G027) continues to be heavily used for bibliographic instruction, research classes, trainings and online examinations.

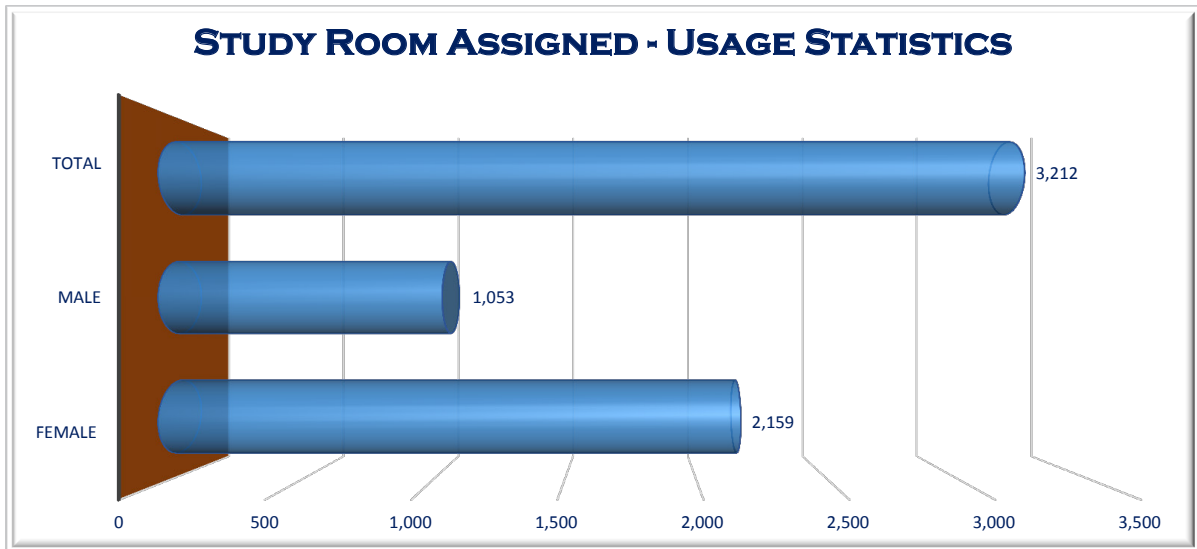
Results of the 2015-2016 Library User Survey indicate that 71% of those surveyed strongly agreed or agreed that the Library was a good and quiet place to study.



The Library's aim is to continue to design environments that will inspire the library patrons. During year 2016, there were eight study rooms on male and nine study rooms on the female side. The study rooms were newly decorated and have magnetic walls, writable walls and writable tables. These statistics were generated from the Group Study Room online booking system.

Study Room Assigned – Usage Statistics

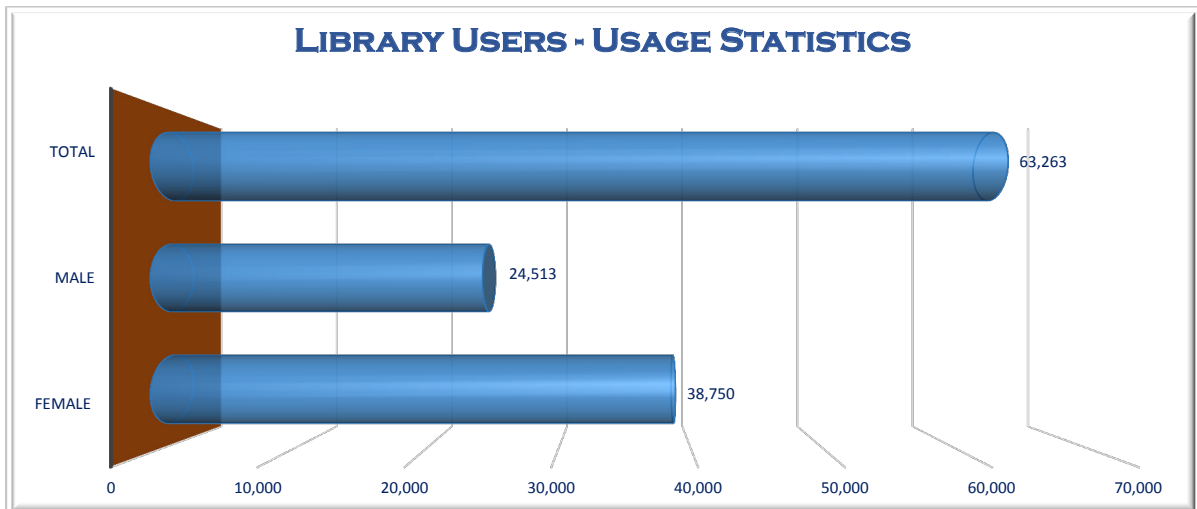
January 2016 – December 2016



The graph below displays the number of library users for 2016. There has been a substantial increase in library usage by both male and female patrons as compared for the previous years. These statistics were obtained from the reference/circulation desk statistics form.

Library Users – Usage Statistics

January 2016 – December 2016



2.5.5 Strategic Initiative 4: Human Resources

To provide quality library human resources sufficient quantity as support for outstanding academic outcomes.

GOAL 4: ENHANCE THE LIBRARY EMPLOYEE HIRING AND TRAINING PROCESSES.

- The library currently operates with nine full-time librarian staff (four men and 5 women).
- Three new male librarian joined library in 2016.
- A male librarian resigned on August 2016.
- The majority of the Library's professional staff holds the Master's degrees in Library Science or related Information Science disciplines. Library staff have extensive experience (3 to 20+ years) working in university libraries.
- For the last two years, there were only two male library staff.
- During this year the library's staff to student ratio is one staff member to every 500 students.
- Professional Library staff that specialize in specific areas of librarianship have provided training to other library staff as needed.
- Library staff utilizes the Internet and open source software to keep abreast of the latest technological trends in librarianship.

2.5.6 Strategic Initiative 5: Library Processes and Accountability:

To improve the effectiveness of Library processes and accountability.

GOAL 6: IMPROVE ADMINISTRATIVE PROCESSES THROUGHOUT THE LIBRARY SYSTEM.

- Updated orientations were provided to new library staff during this year 2016.
- Collection development strategies were revised to place more of an emphasis on the procurement of electronic resources.

2.6 THE DEANSHIP OF QUALITY AND ACCREDITATION

The goal for our accreditation is to start a process of continuous improvement to ensure that the education provided by PMU meets and exceeds acceptable levels of quality. This process of continuous improvement evaluates our educational activities and seeks an independent judgment to confirm that we are achieving our mission and goals. PMU adopted competences, guiding principles, and strategic plans, emphasizing our commitment to achieve academic and institutional quality.

PMU conducted an external independent opinion exercise where we invited well-known educators to provide PMU with honest independent opinions about the continuous improvement process and compliance with the Saudi Education Evaluation Commission-EEC standards (Higher Education Sector formerly known as National Commission for Academic Accreditation and Assessment-NCAAA). We conducted this exercise with all resources available on campus to produce the most comprehensive external opinions. The outcome of this exercise along with our response was positive and it encouraged us to continue our process.

Our commitment to all PMU stakeholders is to continue our improvement process and to continue to seek independent judgments to confirm that our institution is recognized nationally and internationally. Further, we will continue to seek recognition from professional accreditation agencies nationally and internationally.

PMU academic plans and education standards are aligned with the most prestigious accreditation organizations namely ABET and AACSB. Our journey of a thousand miles began with one step that we took when the Deanship of Quality and Accreditation marched in the road towards national and international accreditation.

2.6.1 Institutional Accreditation

PMU seeks institutional accreditation to evaluate the quality of management and the support services within the institution. The Saudi Education Evaluation Commission-EEC (Higher Education Sector formerly known as National Commission for Academic Accreditation and Assessment-NCAAA) decision on PMU accreditation was issued in April 2014. In a letter sent to the university, NCAAA stated that:

“Prince Mohammed University is accredited by the National Commission for Academic Accreditation & Assessment for the period May 1, 2013 to April 30, 2020 and agrees to uphold the NCAAA Standards for Quality Assurance and Accreditation of Higher Education Institutions/Programs. The NCAAA is an independent body responsible to the Council of Higher Education for the accreditation of postsecondary education in the Kingdom of Saudi Arabia.”

2.6.2 Professional Accreditation

While program accreditation is voluntary, PMU is seeking national and international accreditation to get the assurance from independent organizations that our programs are high quality which produces competent graduates attaining industry standards. PMU is pursuing program accreditation from Education Evaluation Commission (EEC) - Higher Education Sector formerly known as National Commission for Academic Accreditation and Assessment (NCAAA), ABET (Accreditation Board for Engineering and Technology, and AACSB (Association to Advance Collegiate Schools of Business).

2.6.3 Education Evaluation Commission (EEC) - Higher Education Sector formerly known as National Commission for Academic Accreditation and Assessment (NCAAA)

The commission requires an institutional accreditation review as a whole before going on to accredit individual programs. PMU received its institutional accreditation for the period May 1, 2013 to April 30, 2020.

PMU submitted compliance documents for program accreditation for its three (3) programs: Business Administration, Computer Engineering, and Interior Design. The documents submitted are the following: Self-Evaluation Scales (SES), Program Specifications (PS), Course Specifications (CS), Course Reports (CR), Key Performance Indicator (KPI) Report, Annual Program Report (APR), and Program Self-Study Report (SSR).

DQA has been working on with College of Business Administration (COBA) programs: Accounting, Business Administration, Finance, Human Resource Management, and Management Information Systems for preparing all documents in compliance with Education Evaluation Commission (EEC) which are set to submit on 2017.

A continuous effort is also in place for the remaining programs' compliance reports and documents. PMU is expecting an accreditation visit for individual programs on 2017.

2.6.4 Accreditation Board for Engineering and Technology (ABET)

PMU's Electrical Engineering and Information Technology programs have been successfully accredited by ABET, the global accreditor of college and university programs in applied science, computing, engineering and engineering technology. The two programs were accredited by the Engineering Accreditation Commission (EAC) and the Computing Accreditation Commission (CAC), respectively.

PMU notified by ABET on its Final Statement for accreditation decision on August 2016. In a letter sent to PMU, ABET stated that both Electrical Engineering (BSEE) and Information Technology (BSIT) are:

“Accredit to September 30, 2022. A request to ABET by January 31, 2021 will be required to initiate a reaccreditation evaluation visit. In preparation for the visit, a Self-Study Report must be submitted to ABET by July 01, 2021. The reaccreditation evaluation will be a comprehensive general review.

This is a newly accredited program. Please note that this accreditation action extends retroactively from October 01, 2014.”

PMU is applying for accreditation on its other three (3) remaining engineering programs, namely Civil Engineering, Computer Engineering, and Mechanical Engineering for 2017-18 Review Cycle.

The following action plan is being implemented:

ACTIVITIES	Year 2017												Year 2018				
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	...	Aug
1. Submit RFA, RFE & TOR to ABET HQ	█																
2. Submit SSR & Supplemental Materials to ABET HQ						█											
3. ABET Team On-Site Visit										█							
4. Due Process Response Period													█	█			
5. Decision of ABET (Final Statement)																	█

2.6.5 The Association to Advance Collegiate Schools of Business (AACSB)

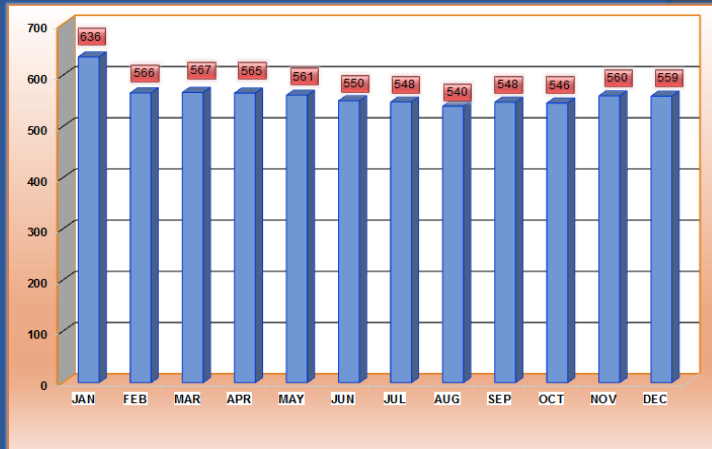
The AACSB international accreditation is used as the basis to evaluate a business school’s mission, operations, faculty qualifications and contributions, and other critical areas.

AACSB accreditation ensures all stakeholders that our college of business is providing a top-quality education. It also ensures employers that AACSB-accredited business school graduates are ready to perform on day one. The following action plan is being implemented.

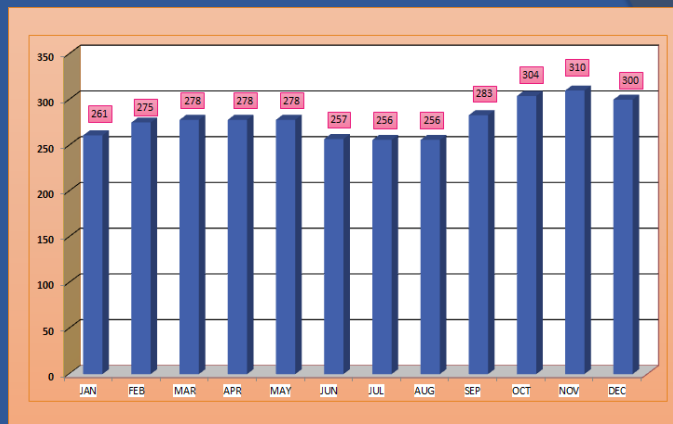
	Year 2014	Year 2015				Year 2016	Year 2017	Year 2018			
		1st Quarter	2nd Quarter	3rd Quarter	4th Quarter			1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
1. Establish Structure, Processes, Budget											
2. Gap Analysis											
3. Renew Membership to AACSB											
4. Develop Standards Alignment Plan											
5. Self-Study for Eligibility Criteria											
6. Work with AACSB Mentor											
7. AACSB Peer review Team Site Visit											
8. Response to Recommendations and Obtain AACSB Accreditation											

2.7 HUMAN RESOURCE

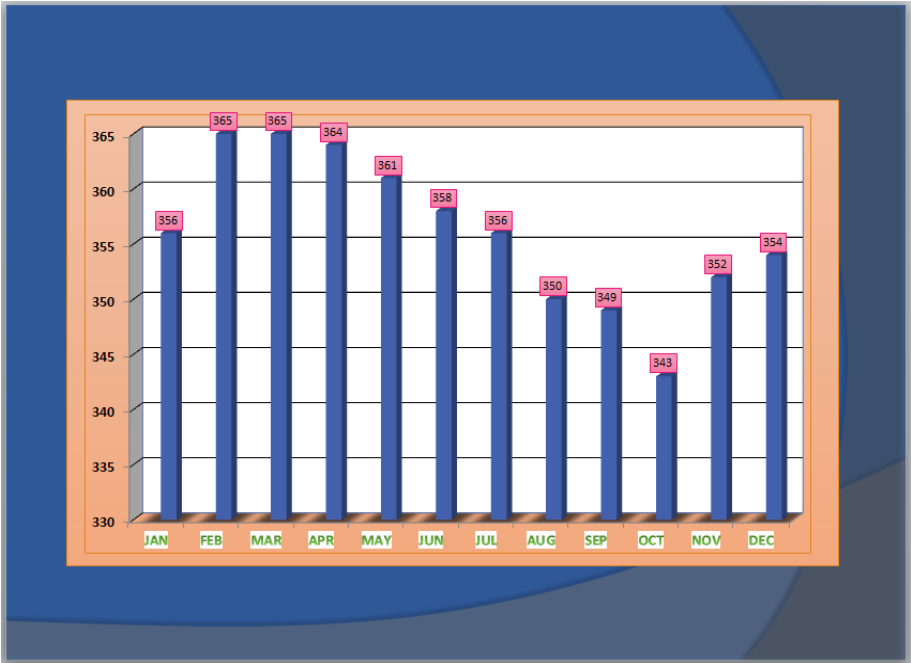
2016 Statistical Report on Monthly Total Number of Employees



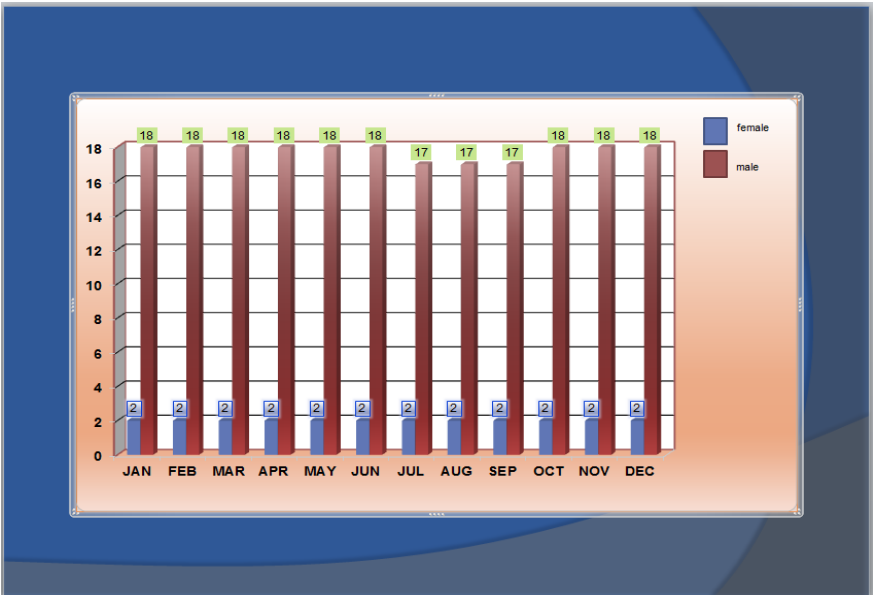
2016 Statistical Report on Monthly Number of Faculty Members



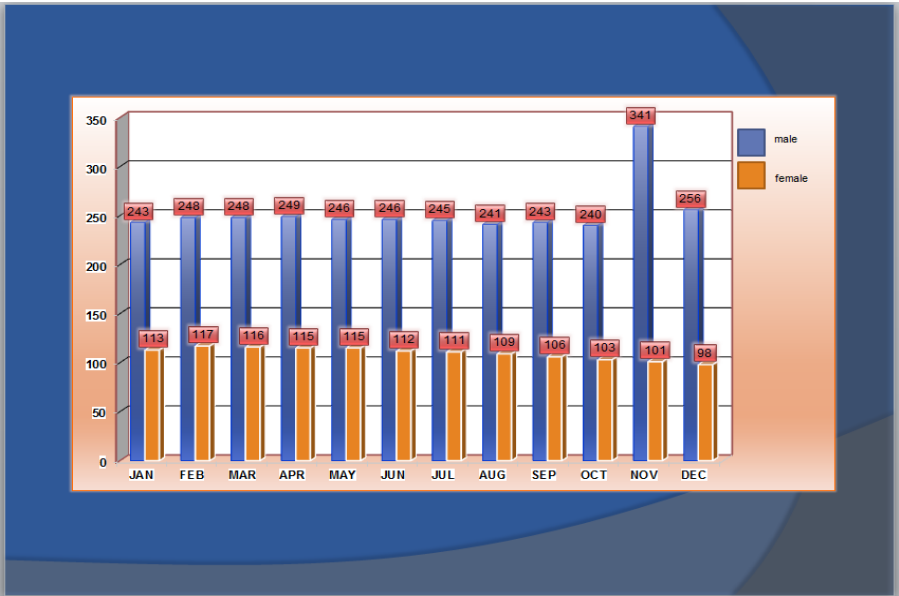
2016 Statistical Report on Monthly Number of Staff



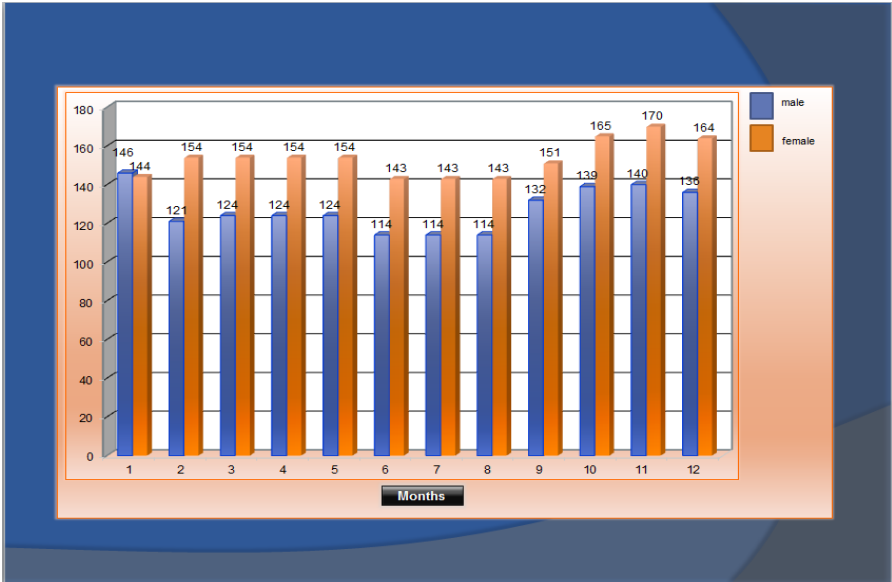
2016 Statistical Report on Monthly Number of Administrators



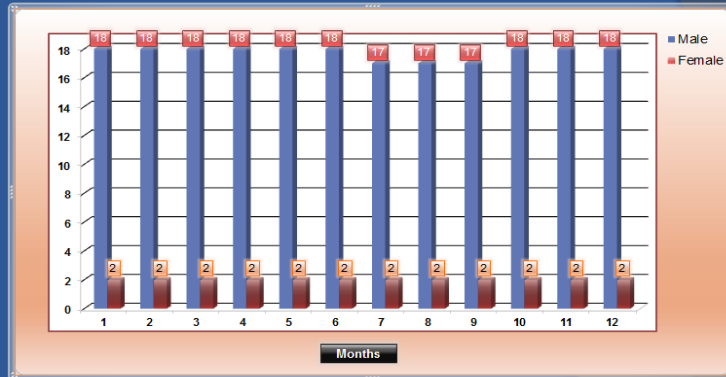
2016 Statistical Report on Monthly Number of Staff by Gender



2016 Statistical Report on Monthly Number of Faculty Members by Gender



2016 Statistical Report on Monthly Number of Administrators by Gender



In our mission to achieve a systemized Human Resource Profile, **Job Descriptions** for all staff positions have been successfully organized.

Organizational / Hierarchy Charts for all the respective departments have been initiated and is currently being completed.

As part of the training function of Human Resource Department, several training programs have been initiated and conducted for staff.

In collaboration with **Professional Development Department**, two short courses for **Writing Emails** and **Telephone Etiquette** were delivered for both female and male staff. Other list of **Online Electronic Training Courses** have been identified and are currently being offered to staff.

These courses are the following:

- ◉ Adobe Training
- ◉ Business Service Courses
- ◉ Childcare Training
- ◉ Computer Basics
- ◉ Customer Service Courses
- ◉ e-Business Courses
- ◉ Entrepreneur Courses
- ◉ Fitness Courses
- ◉ Food Safety Courses
- ◉ Health and Safety Courses
- ◉ Healthcare Courses
- ◉ Office Skills
- ◉ Workplace Safety Courses
- ◉
- ◉ Computer Basics
- ◉ English Grammar Courses
- ◉ Fitness Courses
- ◉ Health and Safety Courses
- ◉ Learn English Online
- ◉ Learning Arabic
- ◉ Microsoft Office Training
- ◉ Multimedia Technology
- ◉ Online Design Courses
- ◉ Social Media Courses
- ◉ TESL Courses
- ◉ Business Communication Courses

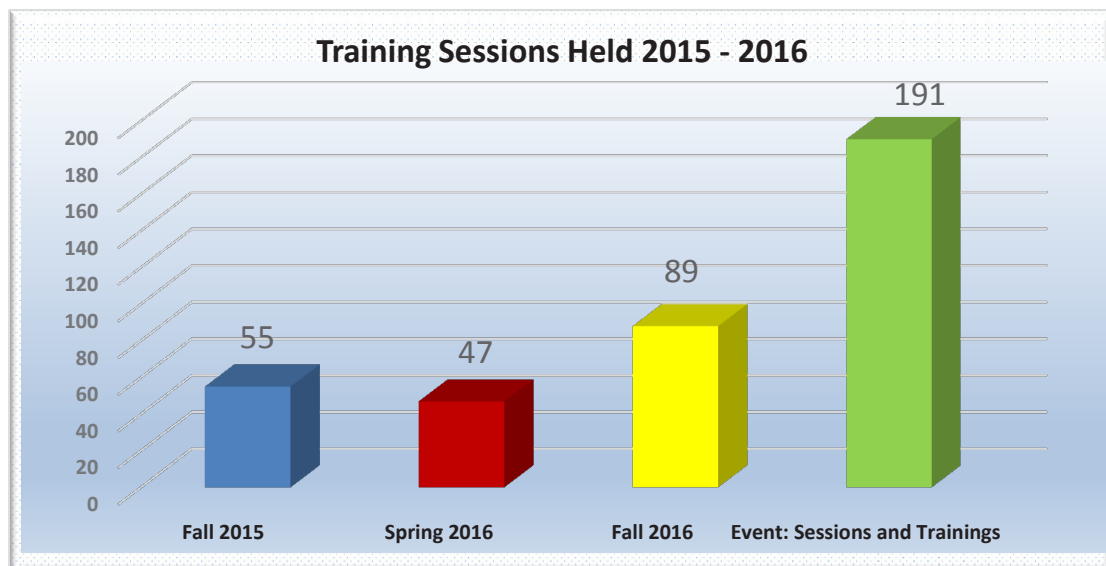
2.8 PROFESSIONAL DEVELOPMENT ACHIEVEMENTS

Introduction:

The role of the Professional Development Center, is seen in its dedication to providing services that assist faculty and professional staff in achieving the student-centered, outcomes-based pedagogy that are characteristic of the university. Also central to the university's defining characteristic is the use of technology to provide current, engaging, and challenging instruction. Student-centered teaching and pervasive integration of technology are aspirations that are constantly being supported by the limited resources available. However, we must be reminded that the founding fathers of the university considered the professional development of all PMU personnel "would be a foundation for the success of the university". To this end, a rich variety of programs are offered, including specialized responses to requests from other organizations at PMU, for assistance with teaching and learning.

2.8.1 Conduct training sessions on latest pedagogy and best practices for effective teaching.

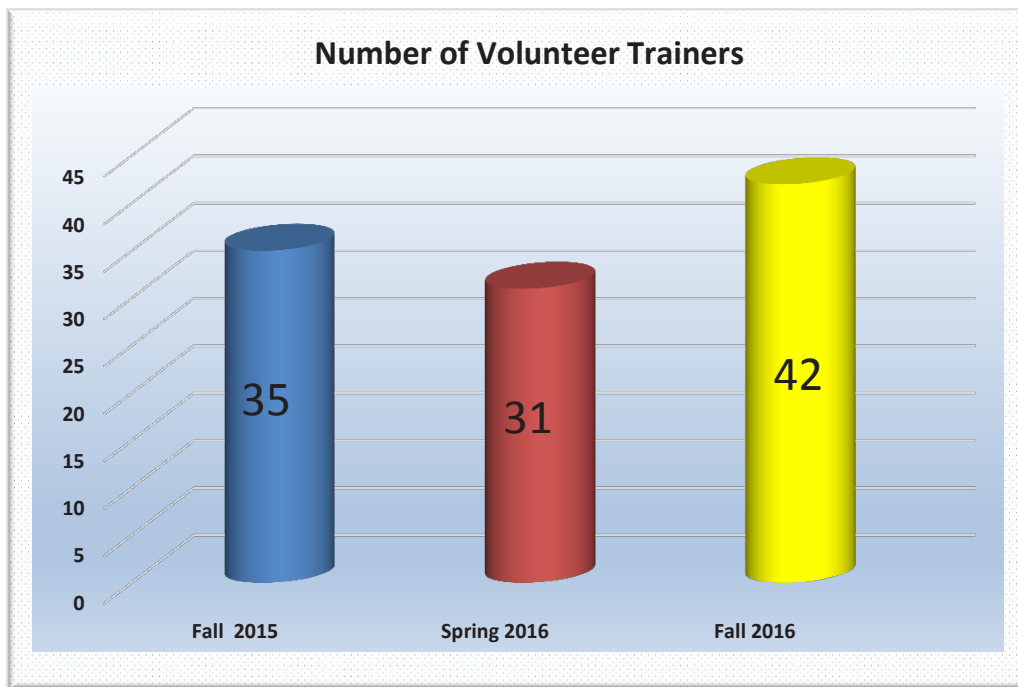
The graph below shows the number of training session held during the time period covered.



The office of Professional Development has had a relatively successful year considering the total lack of part-time or full-time assistance in the department. The Director and administrative assistant have had to rely totally on volunteer faculty, who besides their heavy course loads have willingly supported us in assisting with the training activities. While this is by no means a satisfactory means of conducting this important function in the university, but given the lack of support and personnel, our thanks go to all who have made this training possible.

Numbers of Volunteer Trainers

Number of Volunteer Instructors	
Semester	Total
Fall 2015	35
Spring 2016	31
Fall 2016	42



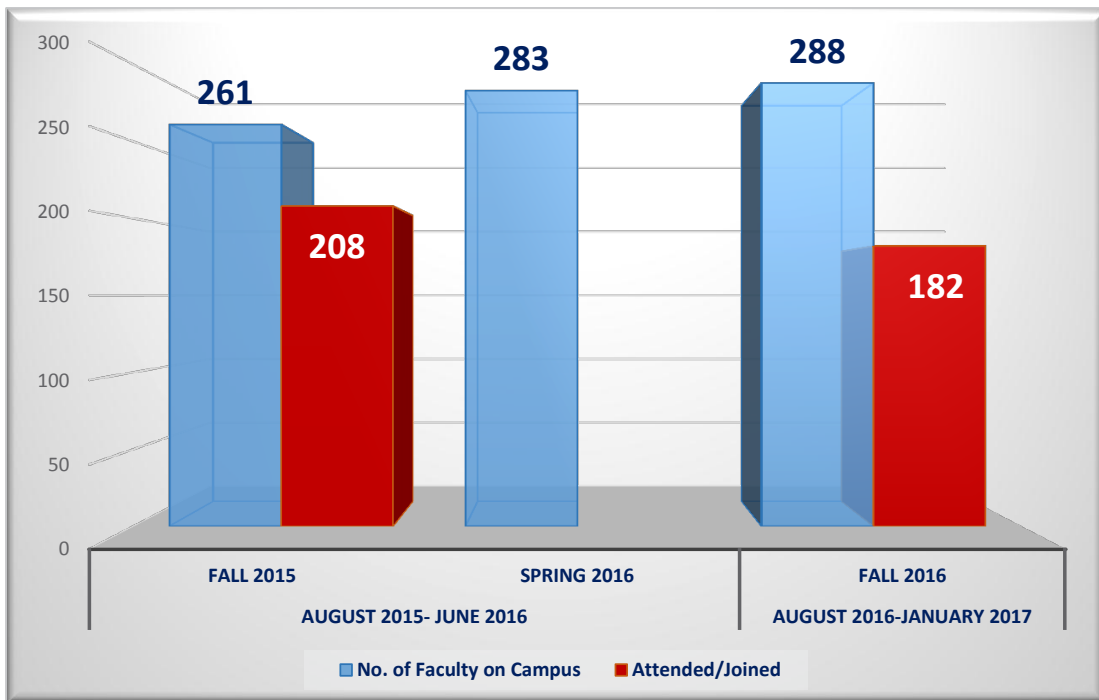
PMU is very fortunate in having faculty from all disciplines who have been ready and willing to share their knowledge and expertise with other faculty and staff. Without receiving any compensation of any sort, they have risen to the occasion when asked to take time out to assist with training when needed. Administrators, faculty, and even some staff have contributed to the training. It is possible that we are one of the very few universities in the region that conducts a program without the required supporting personnel.

Faculty Participation in Training

Based on the approximate total number of faculty available on campus in all the colleges, the following table shows the attendance during the year.

Numbers of Volunteer Trainers

Month	Semester	No. of Faculty on Campus	Attended/Joined
August 2015- June 2016	Fall 2015	261	208
	Spring 2016	283	
August 2016-January 2017	Fall 2016	288	182



Variety of Topics Covered in Training

The following table lists only a sample of the areas covered in the year-long training.

Faculty Orientation	Oracle	Banner	Blackboard	Research Workshops
Faculty Forum	Classroom Management	Advising	Aptis Training	Short Course: Blended Learning
Alison Mini-Courses	Library SDL Databases	MyMathLab Workshops	Smartboard	Literacy in KSA
Best Practices Series	APTIS Training	Globalization in the Classroom	Short Course: Assessment	Upside Down Classroom
Academic Staff Training	Workshop: How to become an ELT Publisher	Library Hightech Materials for COE	Effective Leadership & Strategic Planning	Cultural Adaptation in the Classroom

2.8.2 Conduct workshops for faculty on Assessment and NCAAA instruments

Short-Courses Held

These short-courses focused on two main areas:

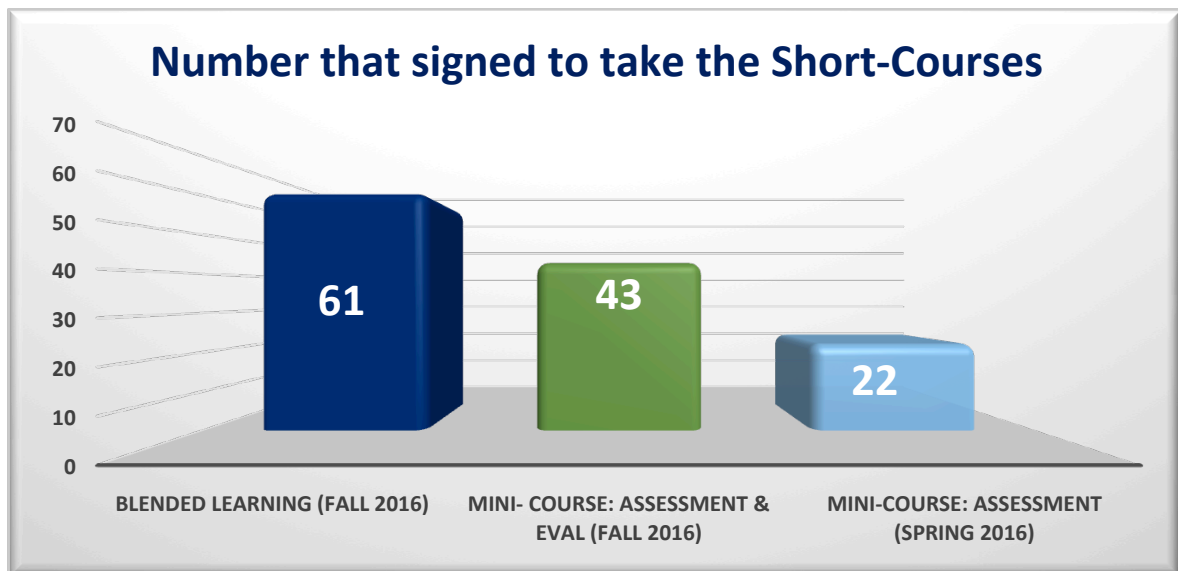
- Assessment and Evaluation Short Course consisting of 4 sessions of training for each course each semester. The first time it was offered only one group was held. However, during the fall semester two groups of 4 sessions each were held because of the broad demand for taking the course and better meeting the schedules of the faculty.
 - » Instructors were - Dr. Malik Saleh; Dr. Zachary Mngo, and Dr. Des Rice
- Blended Learning Short-Course also held a high demand. It consisted of two in-class sessions for each group followed by 7-12 hours of online coursework ending with a written assignment. This was very popular because of the flexibility afforded by the online modules.
 - » Course Instructor - Dr. Des Rice

Certificates of completion were given to all faculty who completed the full assignments.

Number signed to take the Short-Courses		
	Course	Faculty Attended
1	Blended Learning (Fall 2016)	61
2	Mini- Course: Assessment & Eval (Fall 2016)	43
3	Mini-Course: Assessment & Eval (Spring 2016)	22

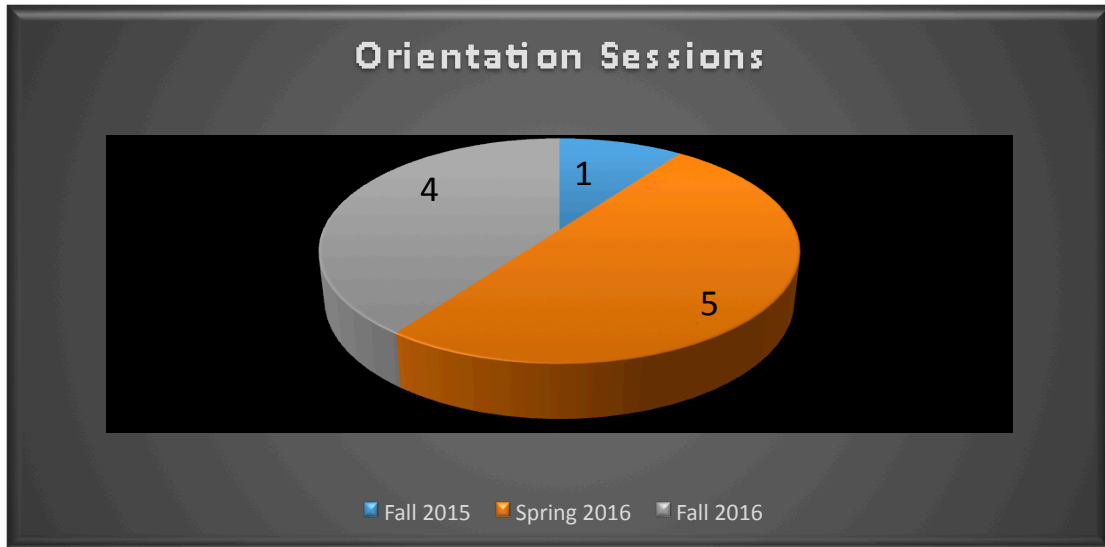
2.8.3 Conduct orientation sessions for new faculty and staff

Orientation of new faculty has been a primary focus during this calendar year. Prior to the Fall 2016 semester, faculty hired at the beginning of the academic years seldom arrived in time to hold an orientation session for all to attend. In fact, a large number of new faculty never attended the formal orientation session because of their late arrivals. This year, under the office of the Director of International Recruitment, groups of faculty arrived on campus prior to the beginning of the academic year with few exceptions. Attendance at orientation sessions was required of all and separate sessions were held for each group intake. 100% of our new faculty underwent the orientation sessions prior to starting their teaching assignments. Representatives from HR, GRO, Student Affairs, IT, Faculty, Academic departments and Research greatly contributed to the success of the sessions.



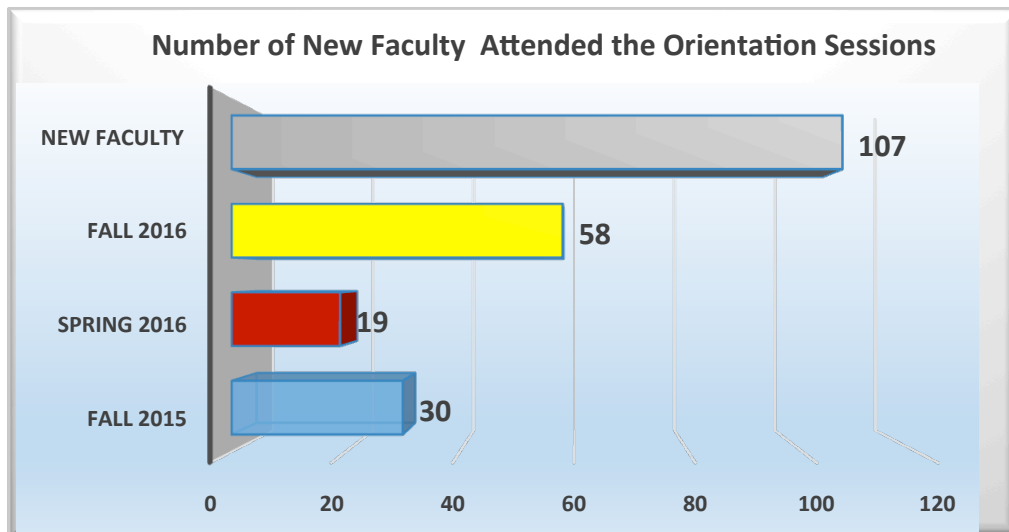
The data below shows the number of orientation sessions that were conducted.

Orientation Sessions	
Semester(s)	Number of Session/per semester
Fall 2015	1
Spring 2016	5
Fall 2016	4
Total Orientation Sessions Conducted	10



New Faculty Participation in Orientation Sessions

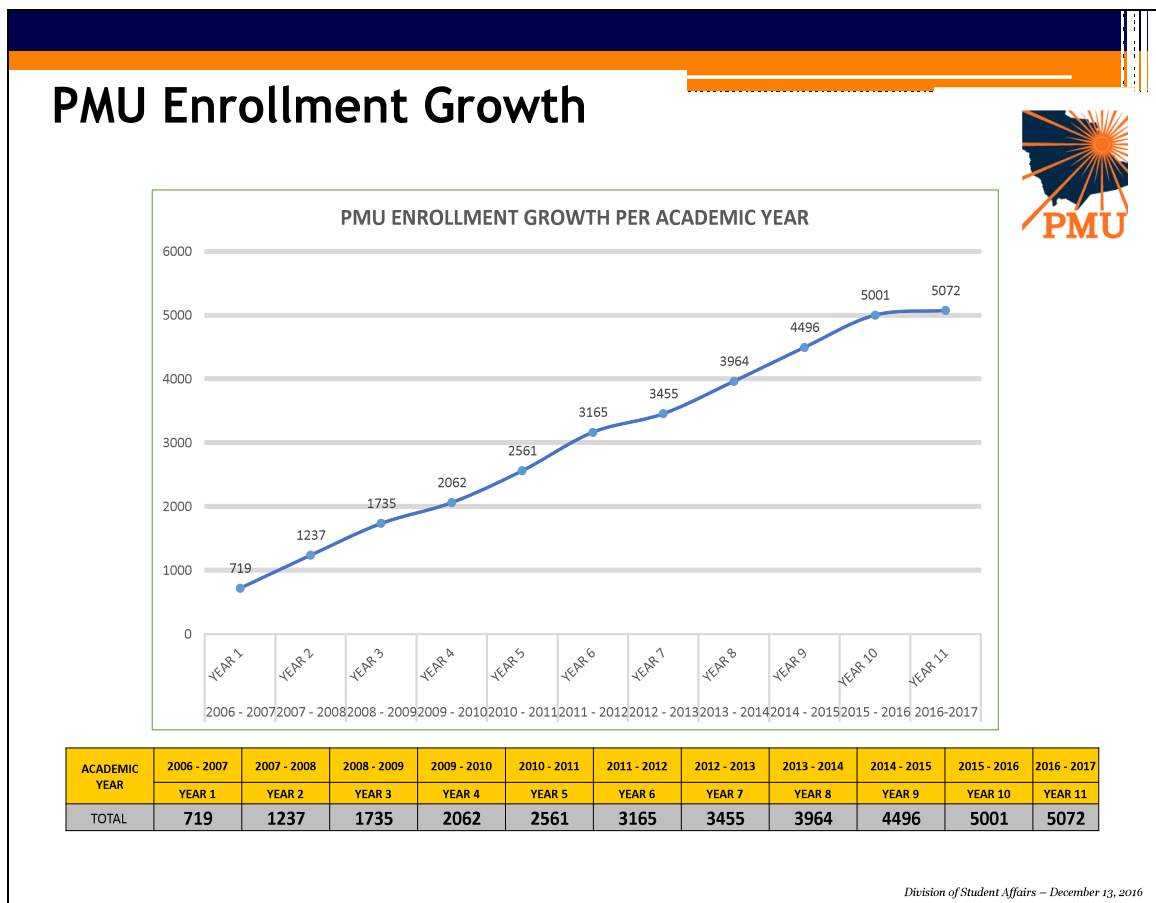
The graph below shows the numbers of faculty who participated in the orientation sessions. In addition to these sessions, several one-on-one sessions were held, but did not prove to be as beneficial as the sessions for whole groups.



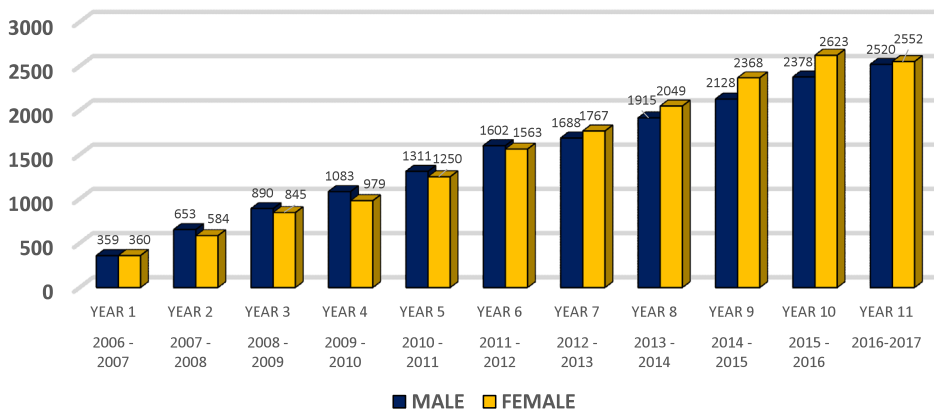
Conclusion:

As stated in the introduction, professional development of its faculty and staff is an essential element in the success of a university. The Professional Development Center was designed by the founders of the university to perform a wide range of activities for all levels of employees from members of the administration down to the deans, chairs, faculty, laboratory assistants and staff who form the backbone of the academic program. Unfortunately, because of lack of the availability of resources (both human and financial) the center is unable to carry out its full responsibilities. What is required is the foresight on the part of leadership to recognize that the sustainability of the institution largely depends on its willingness to invest its resources on the development and hence the retention of its human capital. Without this investment, the institution will continue to experience the perennial turnover and loss of its valuable personnel.

2.9 GROWTH OF STUDENTS' ENROLLMENT



PMU ENROLLMENT GROWTH PER ACADEMIC YEAR & GENDER



ACADEMIC YEAR	2006 - 2007	2007 - 2008	2008 - 2009	2009 - 2010	2010 - 2011	2011 - 2012	2012 - 2013	2013 - 2014	2014 - 2015	2015 - 2016	2016-2017
	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6	YEAR 7	YEAR 8	YEAR 9	YEAR 10	YEAR 11
MALE	359	653	890	1083	1311	1602	1688	1915	2128	2378	2520
FEMALE	360	584	845	979	1250	1563	1767	2049	2368	2623	2552
TOTAL	719	1237	1735	2062	2561	3165	3455	3964	4496	5001	5072

Division of Student Affairs – December 13, 2016

