



Princess Sumaya University for Technology

STEM Education for Women, Vocational Training and Strengthening the Link Between Higher Education and the Job Market

Gender Empowerment and Entrepreneurial Development in Rural Context: The
Role of Renewable Energy for the REGEND

Presented by
Dr. Majd Ghazi Batarseh

- PSUT: Overview, facts and practices
 - STEM Education for Women
 - Vocational Training
 - Strengthening the Link Between Higher Education and the Job Market

Overview of PSUT today: Facts & Figures 2019

A Private
Not-profit
University

Founded in
1991

Number of
students
3650

PSUT is the
academic arm
of
El Hassan
Science City

Owned by the
Royal Scientific
Society (RSS)

Number of
faculty members
140



**King Hussein
School of
Computing Sciences**



**King Abdullah II
School of
Engineering**



**King Talal
School of
Business Technology**

Deanships

- King Abdullah I School of Graduate Studies & Scientific Research

- Deanship of Students Affairs

- Deanship of Admissions & Registration

Units

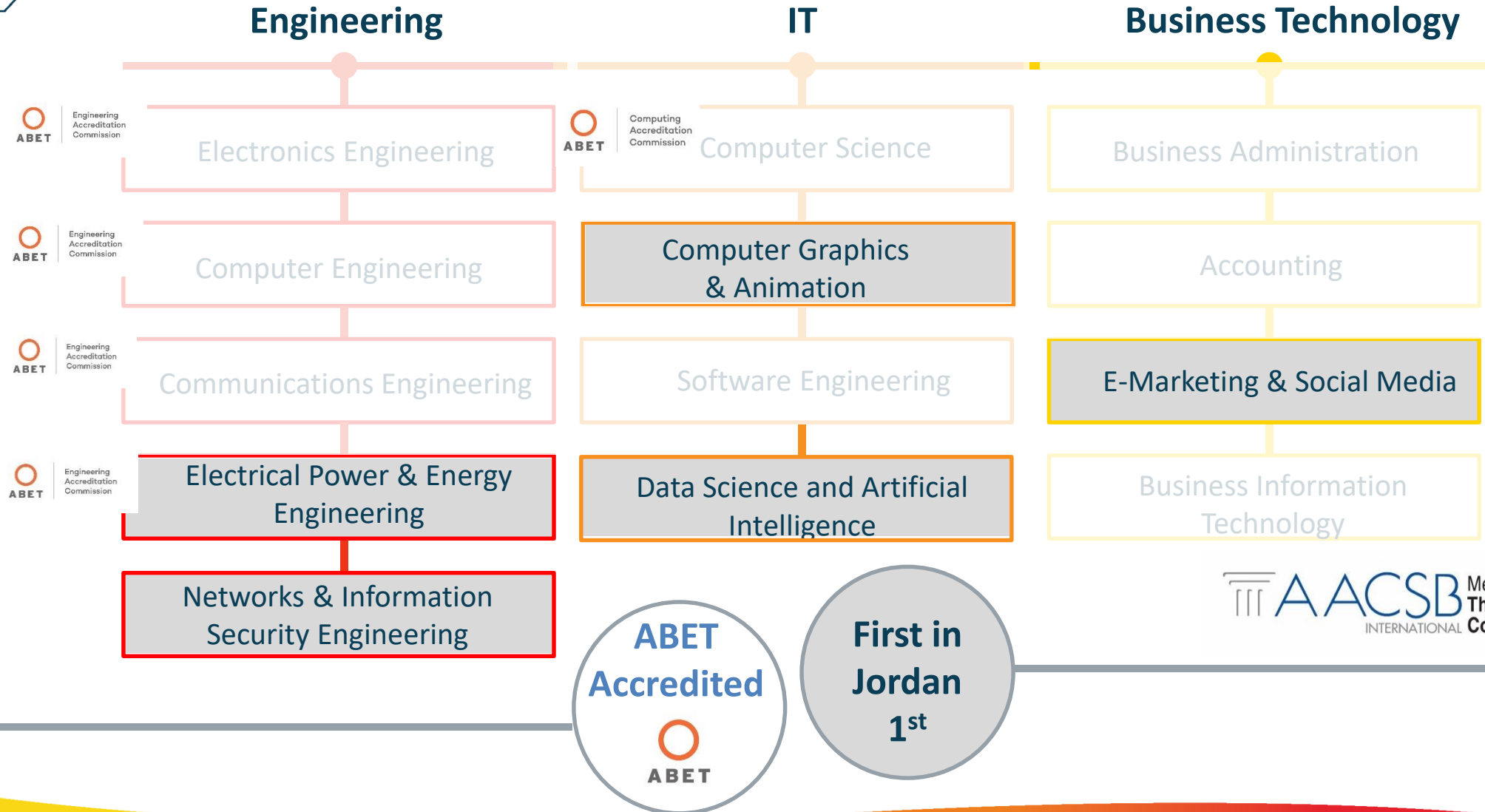
- El Hassan Library

- General Requirements Unit

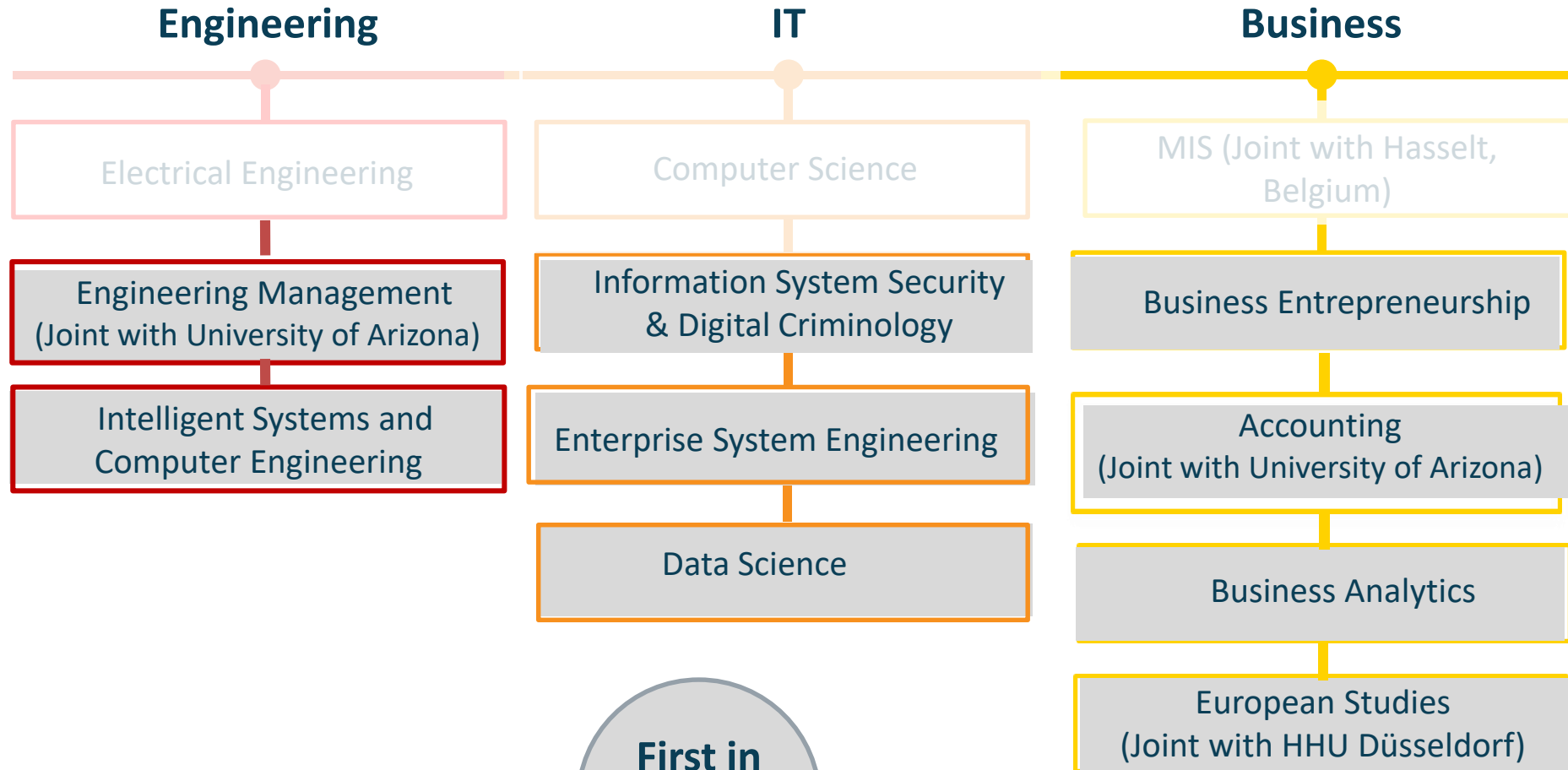


Education in General

B. Sc. Degree Programs



M. Sc. Degree Programs



**First in
Jordan
1st**

IT

Computer Science (PhD)

56% of our programs are unique in Jordan

Supporting Units – Deanship of Students Affairs

On Campus Student Activities

STUDENT ACTIVITIES

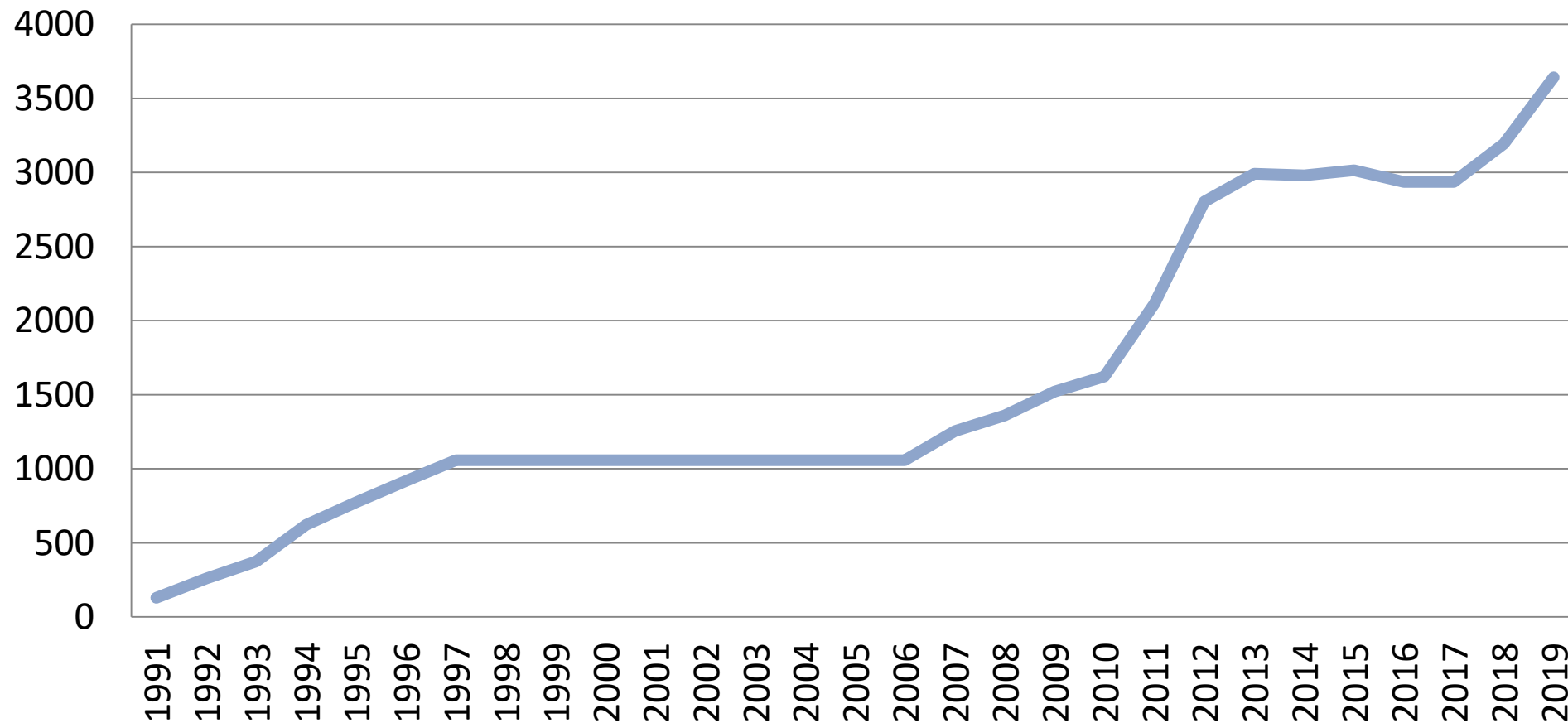
- Musical Band
- Theater Team
- Social Work Team
- Athletics
- Folklore Band
- GYM

STUDENT CLUBS

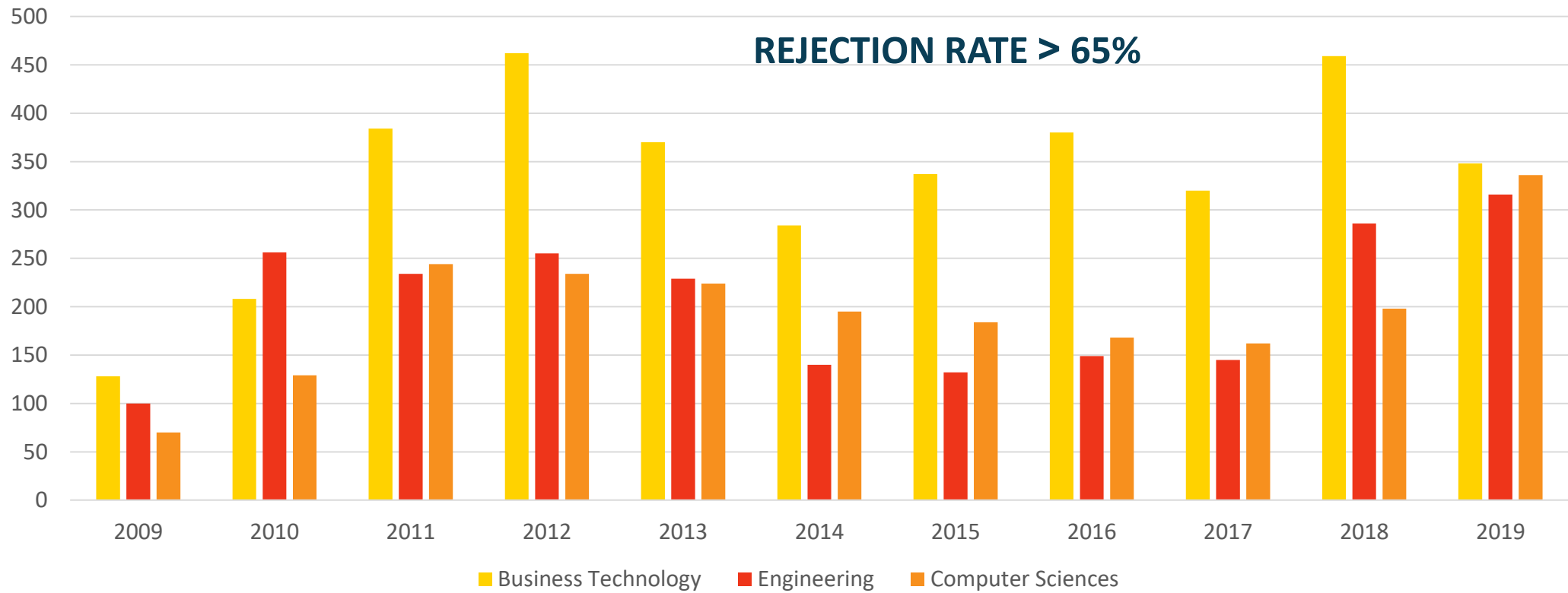
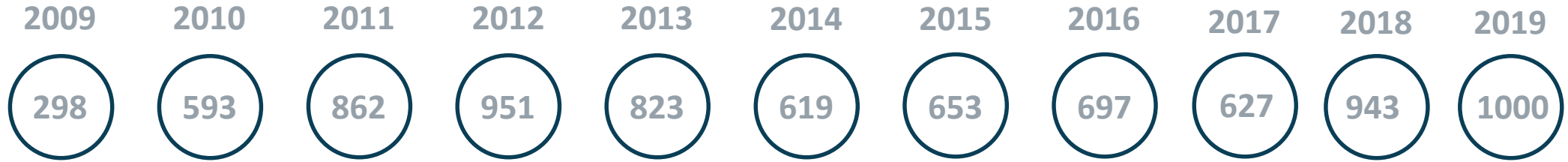
- IEEE
- ACM-Association for Computing Machinery
- ARC-Automation and Robotics
- AEE-Association of Energy Engineering
- Cyber Security
- Antares - Astrology
- CGA-Computer Graphics and Animation
- Nuun (Cultural)
- Debate Club
- MUN-Model United Nations
- Dart (Entrepreneurship)
- Apollo
- Tera
- JCI-Junior chamber international
- Good youth Volunteer
- Rekt Gaming



Growth in Student Enrollment (since establishment)

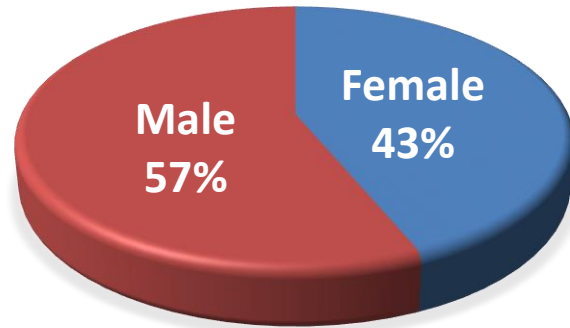


Enrollment Overview

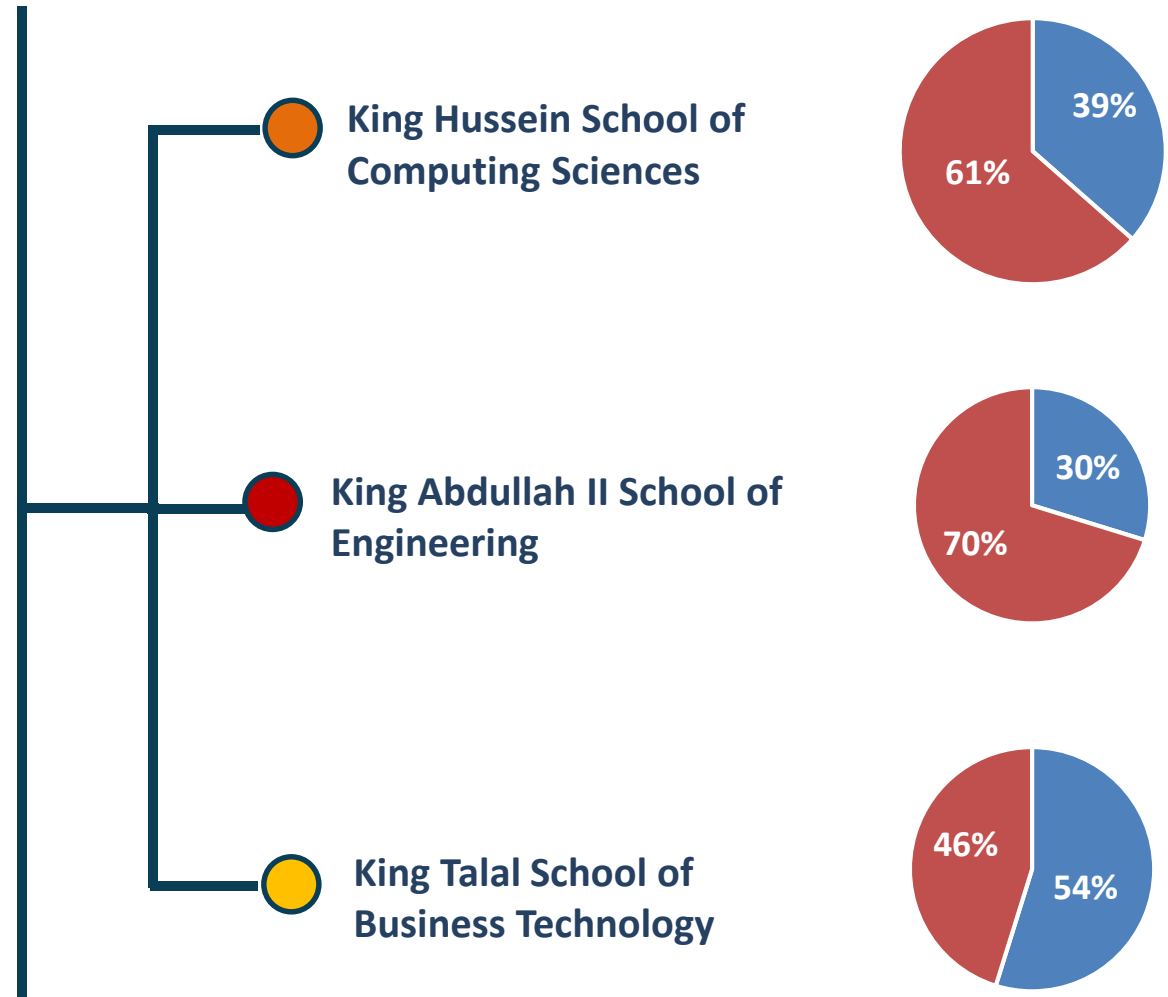
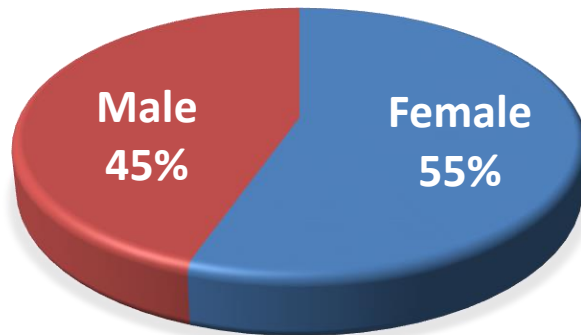


Female & Male Ratio

OVER ALL THE UNIVERSITY



POSTGRADUATE STUDENTS



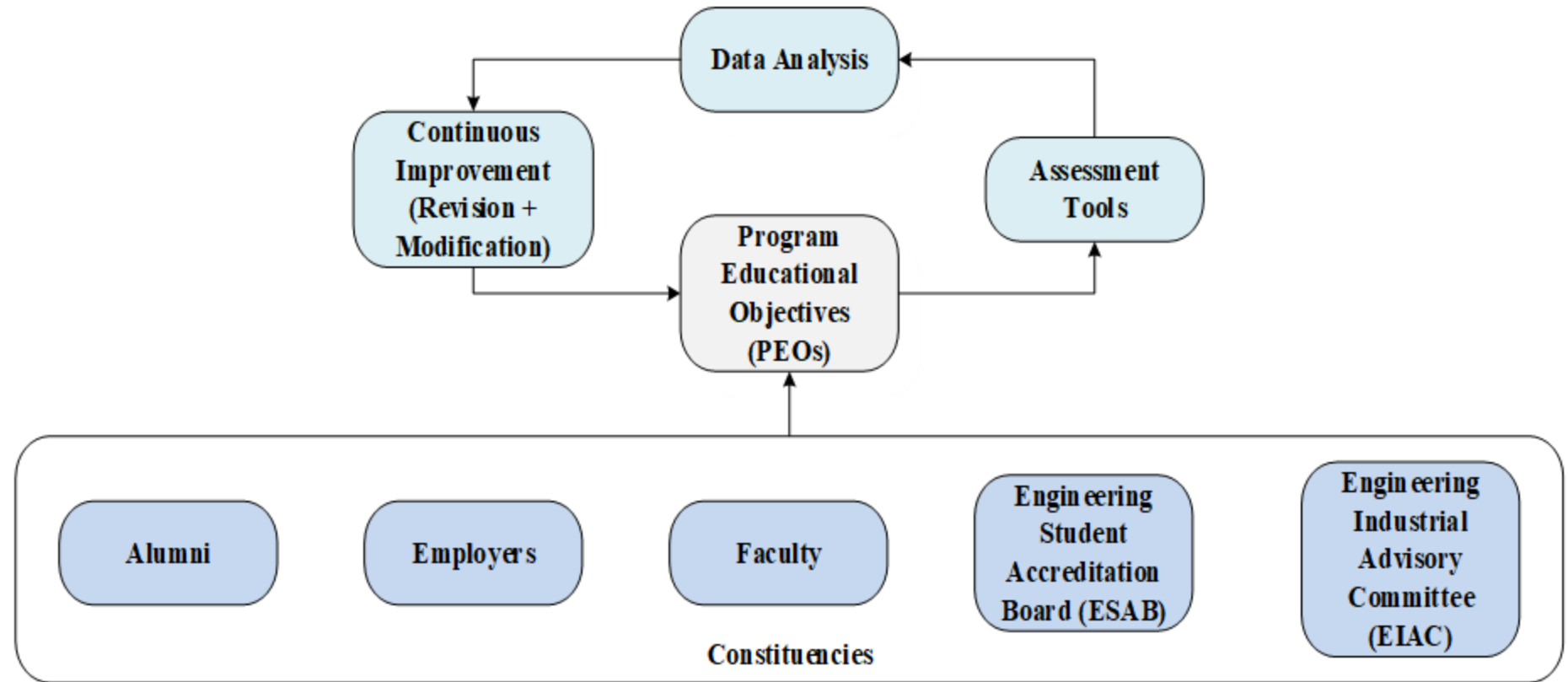
Engineering Records of admissions over the past 7 years

Records of Admissions	2011/ 2012	2012/ 2013	2013/ 2014	2014/ 2015	2015/ 2016	2016/ 2017	*2017/ 2018
Communications Engineering Program	89	93	82	54	40	14	12
Computer Engineering Program	25	31	23	18	12	27	23
Electrical Power and Energy Engineering Program	69	89	40	10	35	82	57
Electronics Engineering Program	21	27	50	30	23	17	11

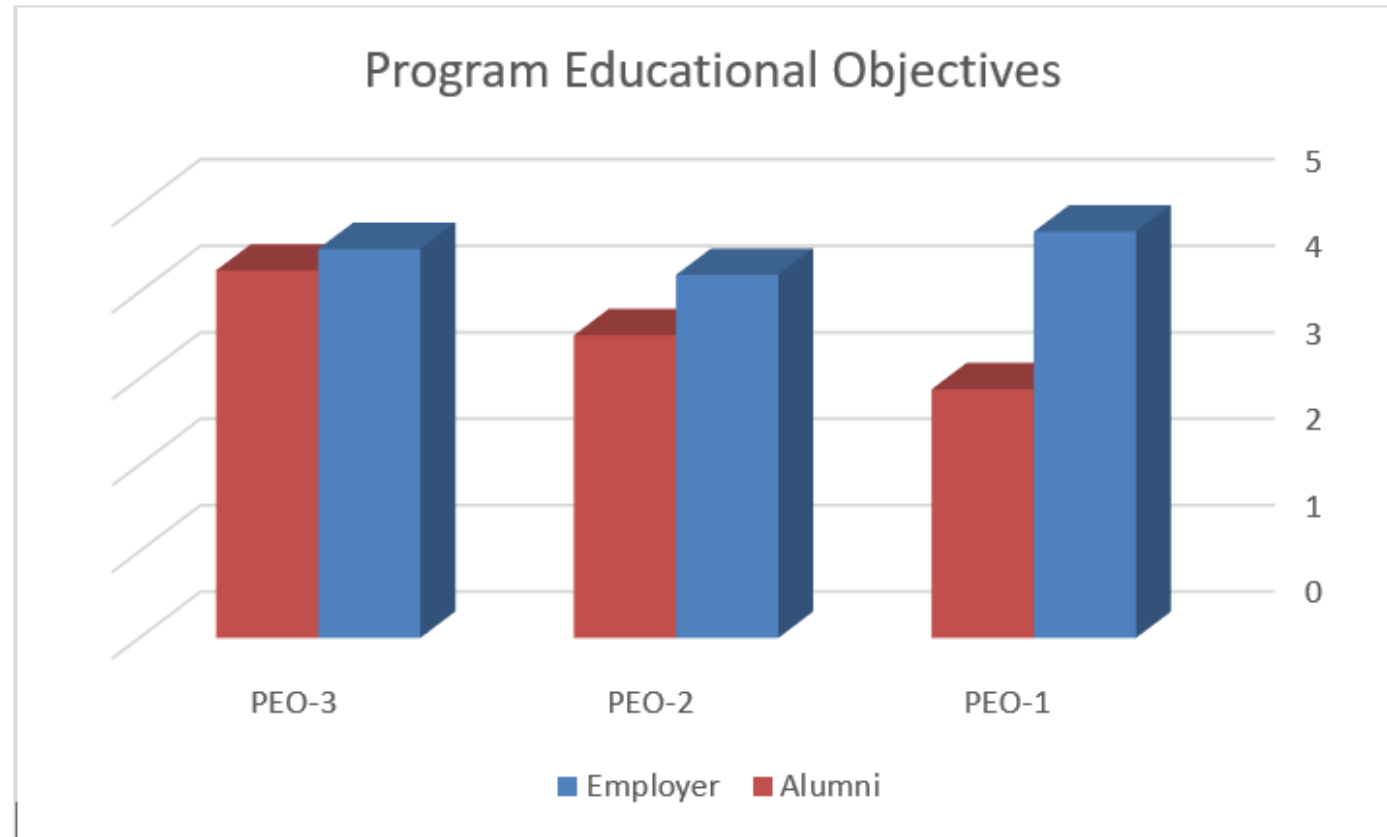
*not including summer admissions

PEO-1	Graduates have specialized theoretical knowledge and practical skills to be effective contributors to the local and regional economies.
PEO-2	Graduates are able to adapt to and thrive in constantly evolving technologies in addition to building effective platforms for relevant research.
PEO-3	Graduates are capable of ethically working in multidisciplinary teams and communicating effectively.

- Faculty
- Students
- Employers
- Alumni



Methodology for evaluating and improving the program educational objectives



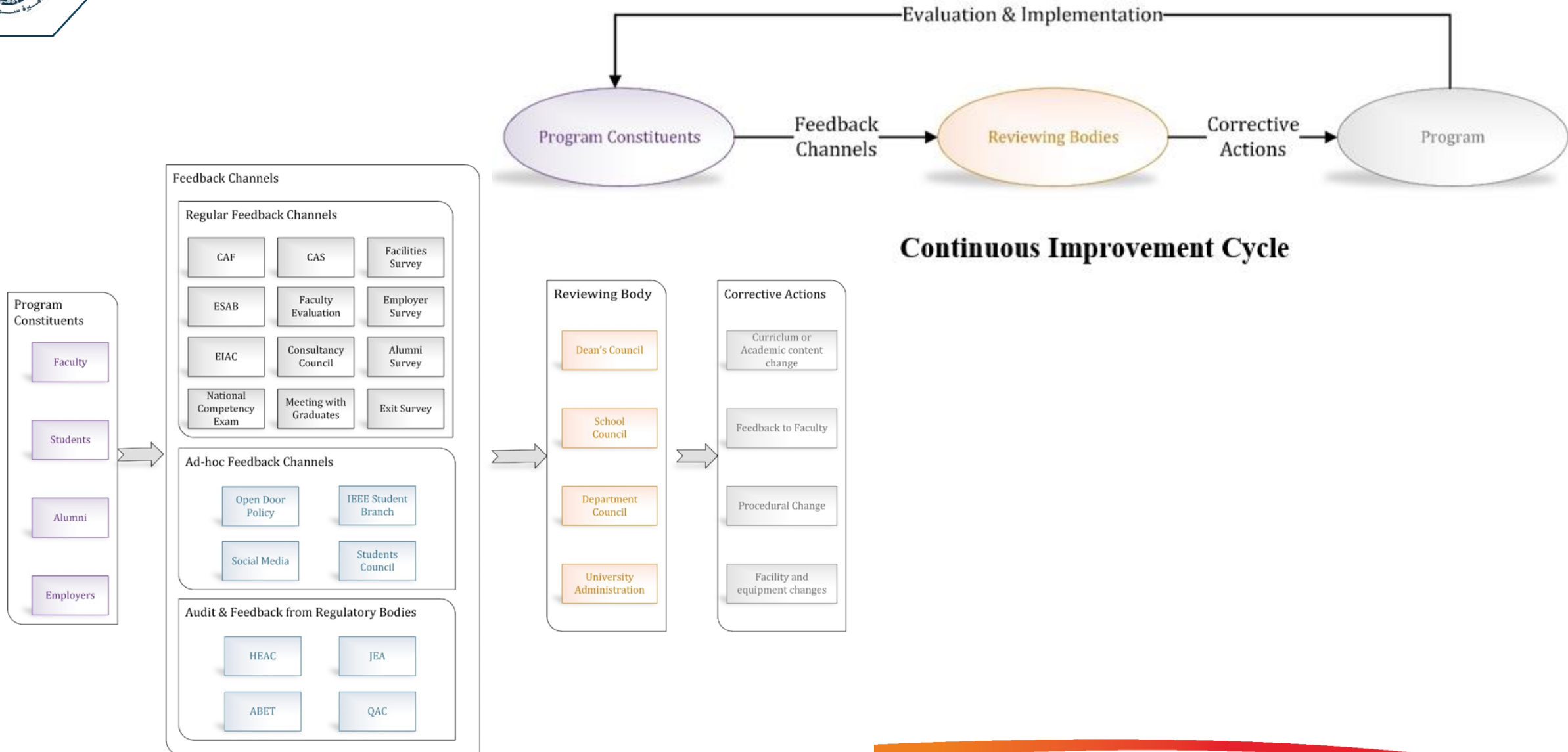
Level of Achievement of PEOs
Using Alumni and Employers Surveys

Student Learning Outcomes and PEOs mapping

Mapping between the PEOs and SOs

Student Outcome	PEO-1	PEO-2	PEO-3
(a) An ability to apply knowledge of mathematics, science, and engineering	✓	✓	
(b) An ability to design and conduct experiments, as well as to analyze and interpret data	✓	✓	
(c) An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability	✓		
(d) An ability to function on multidisciplinary teams			✓
(e) An ability to identify, formulate, and solve engineering problems	✓		
(f) An understanding of professional and ethical responsibility			✓
(g) An ability to communicate effectively			✓
(h) The broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context		✓	
(i) A recognition of the need for, and an ability to engage in life-long learning		✓	
(j) A knowledge of contemporary issues		✓	
(k) An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice.	✓	✓	

Continuous Improvement Cycle



Continuous Improvement Cycle

- The Career Guidance and Graduates Affairs Office is established in the Deanships of Student Affairs to prepare the students for the job market and provide them with several training courses and programs that aim to improve their skills and personalities.
- The office consists of the following two units:
- **Career Guidance unit:**
- Performs the office and field work in cooperation with students and academic staff and it also advises students during their period of study in the university
- **Graduates Affairs Unit:**
- Performs the office and field work with the university graduates to update their information and enhance their relation with the university

Students are required to undertake industrial/practical training in an industrial institution for at least eight successive weeks for the training held inside the country and for six weeks for the outside training.

The students must submit a comprehensive report after the end of the training period, specifying the nature of training undertook, and the benefits and expertise gained form the training.

Student Accomplishments

Under the NASA training initiative lead by HRH Crown Prince Al Hussein Foundation, among university students in Jordan,

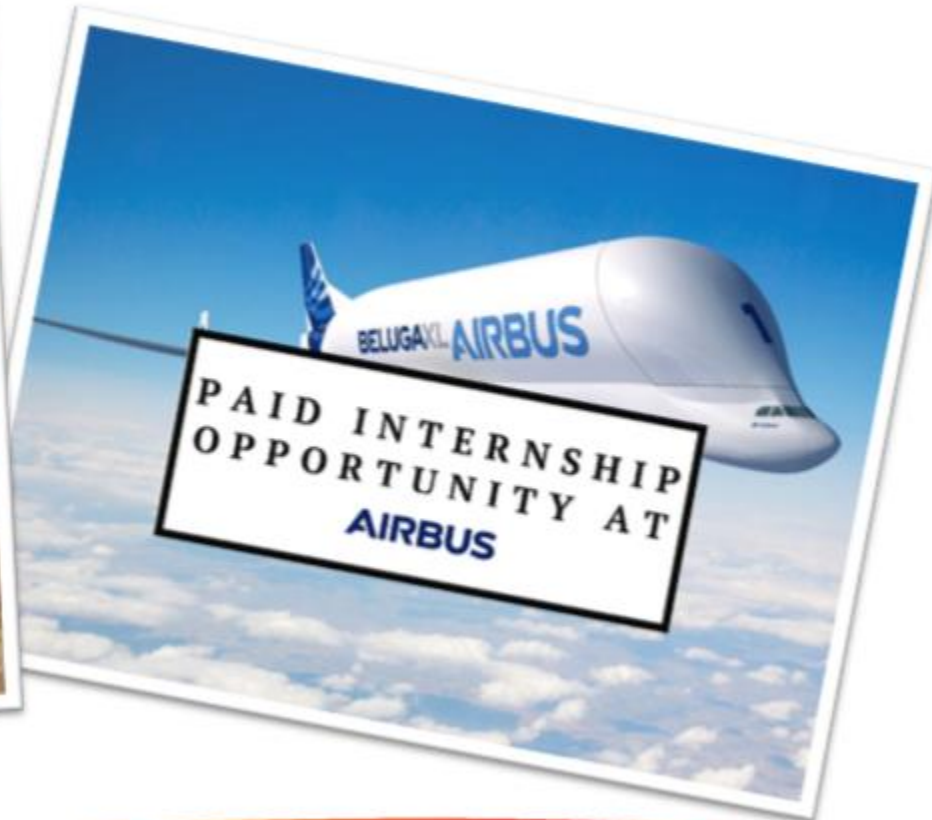
12 engineering students were short listed, out of which 4 students were PSUT students.



Student Accomplishments

Under the Airbus training Initiative lead by HRH Crown Prince Al Hussein Foundation, among university students in Jordan,

4 engineering students were short listed, out of which 2 students were PSUT students.



Toshiba Internships in Japan



7 fully covered engineering internships at Toshiba Memory Corporation

TOSHIBA

Preparation for Job Market: Events Samples



Activities: Samples

Let's Create SUCCESS STORIES Together!



PSUT CAREER WEEK 2019



PSUT Alumni Success Stories

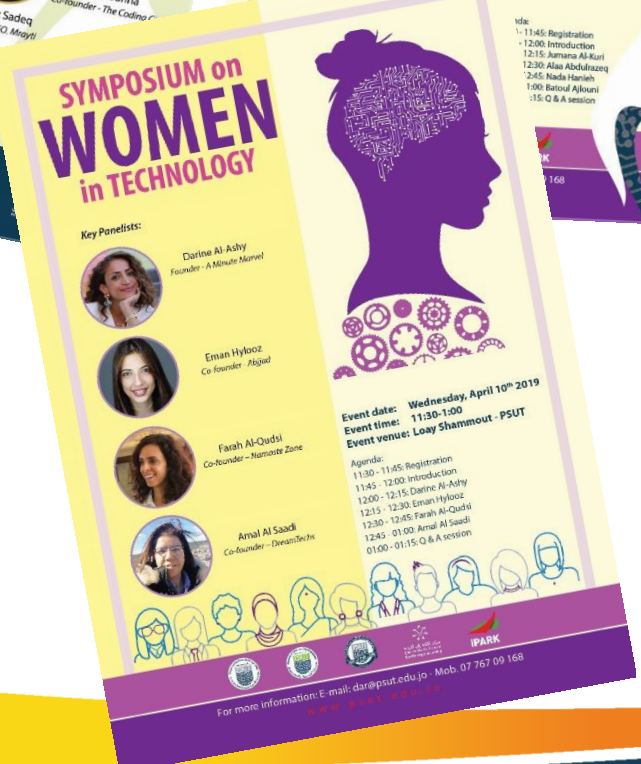
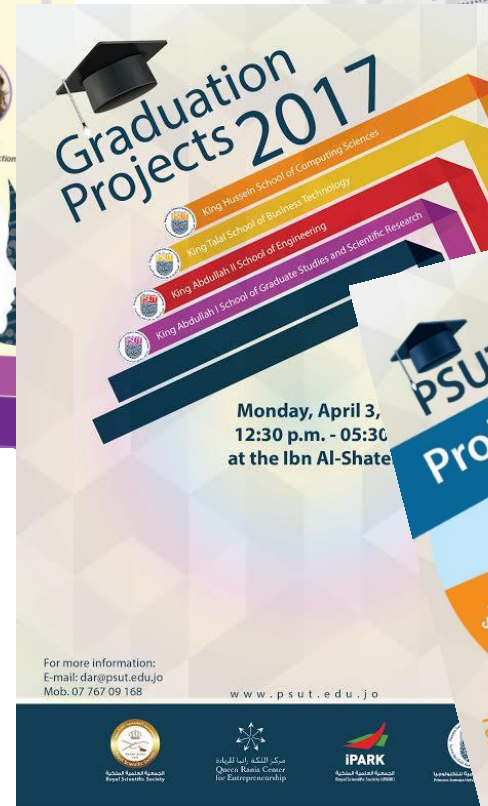
C.V. Writing and Interview Skills WORKSHOP



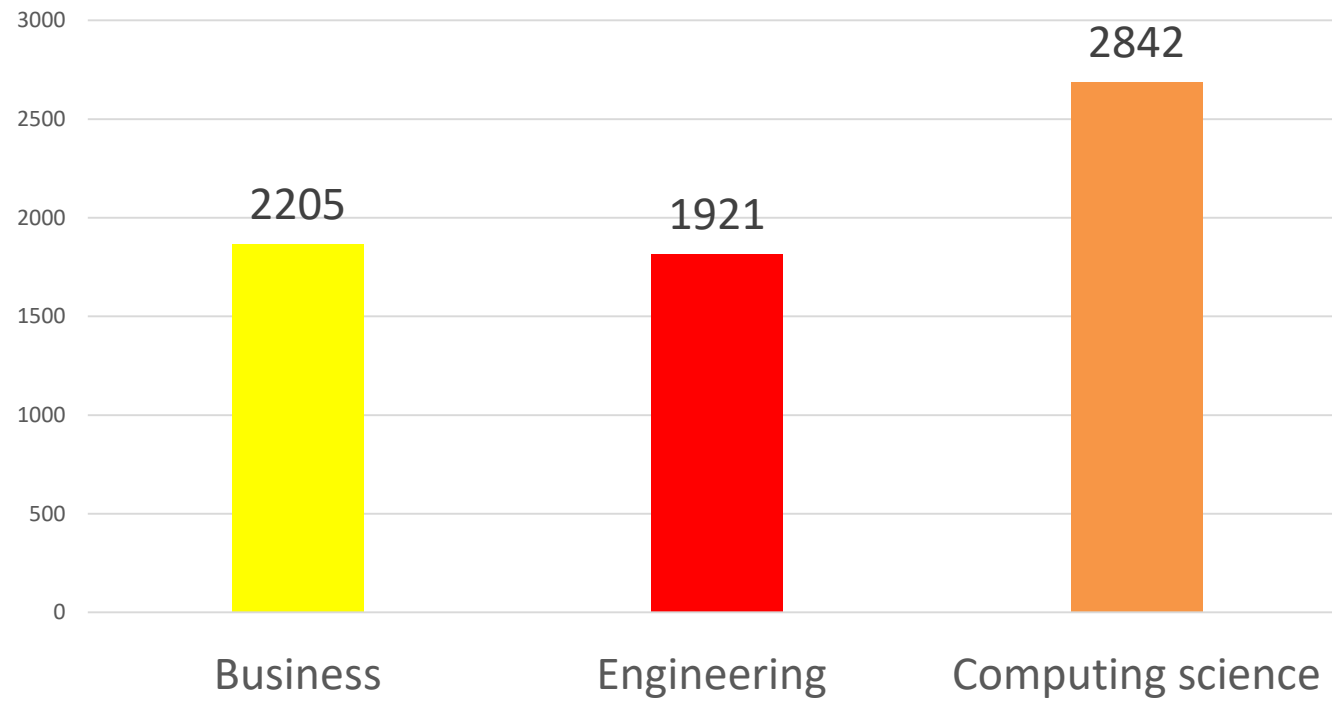
PSUT CAREER WEEK 2019

ورشة كتابة السيرة الذاتية ومهارات

Place: Louay Shammout Auditorium



Number of Graduates



Total No. of Graduates = 6968



Number of graduates entering full-time employment


Six months after graduation


KING HUSSEIN SCHOOL OF
COMPUTING SCIENCES

DEPARTMENT	PERCENTAGE
CS	96%
CG	85.7%
SE	93.3%
TOTAL	91%


KING TALAL SCHOOL OF
BUSINESS TECHNOLOGY

DEPARTMENT	PERCENTAGE
BA	84.4%
MIS	83.8%
ACCO	96%
EM	90.3%
TOTAL	89.7%


KING ABDULLAH II SCHOOL
OF ENGINEERING

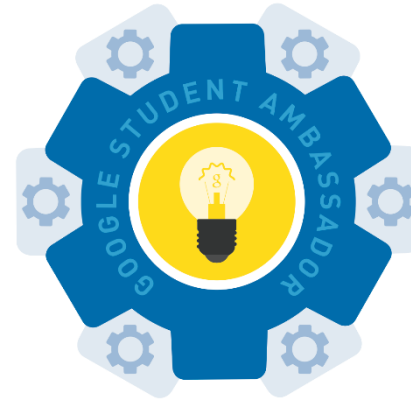
DEPARTMENT	PERCENTAGE
COM E	85.7%
CE	94.4%
EE	77.8%
PEE	80.1%
TOTAL	84.7%

**Overall
Employability rate
88.6%**

Some of our Employed Alumni



SAMSUNG



pwc

amazon



PEPSICO

Google

SEVEN CIRCLES
GROUP



Deloitte.



LEADTOOLS[®]
THE WORLD LEADER IN IMAGING SDKs



EMP
EMERGING MARKETS PAYMENTS

Our Entrepreneur Alumni

e's closet

PIEZ CLEAN

JOBANIMATE



NOVENT^{APP}
TRAINING AND DEVELOPMENT



TERKWAZ
BUSINESS SOLUTIONS



dreamtechs[®]
digital solutions

TEKLABZ
Technology Labs for Software Industry



Mobileznation
House of Digital Innovation



PIONEERS
ACADEMY

درسي

gate2
play

shortpoint



s.c.o.p.e.



Trip to
Innovation



tamatem.co
Arabic Mobile Games Publisher

KINDI
SOFTWARE



mindrocketsInc

ketab

TECHNOLOGIES

esense



MEDIA LANCERS
For Media Solution

Arabia
Cell
Your Cell Mate



FOCUS
Business Solutions, Inc.

رسمي
RASSME.COM
PERSONALIZED FORMAL GIFT SHOP





Thank You

