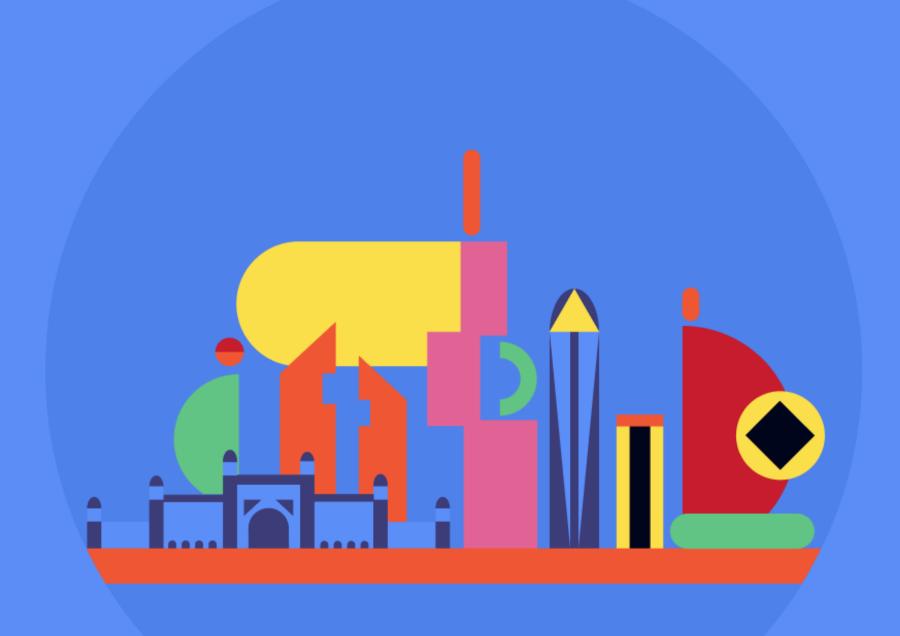




Saudi Electronic University's Approach to Students, Faculty and Staff's Feedback

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SEU's Vice President of Planning, Development and Quality Riyadh, Kingdom of Saudi Arabia













Content



Saudi Electronic University at a glance



SEU's Approach to Students, Faculty and Staff's Feedback



Machine Learning Platform























Saudi Electronic University (SEU) was lunched on: 2011

The University awards:







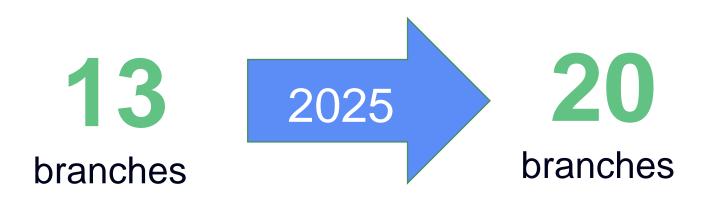








Saudi Electronic University (SEU) was lunched on :2011



The university includes four colleges

- College of Administration and Finance Sciences
- College of Computer and Informatics
- College of Health Sciences
- College of Science and Theoretical Studies.

Best education models

Pioneer knowledge in cooperation with universities

long-life learning









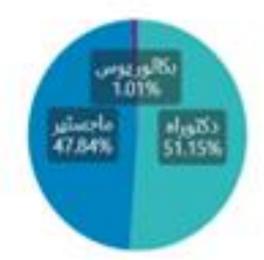
The University in Numbers

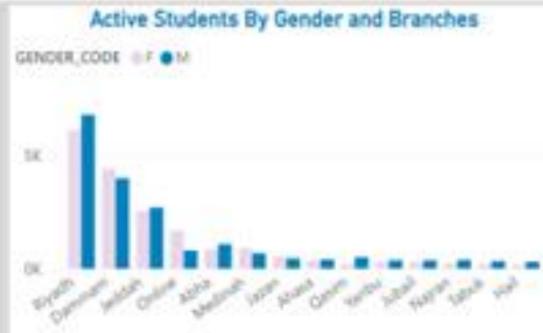




Colleges	Branches	Launched Year		Active Students			
4	13	2011	30K	33307			
Programs	Administrative Staff	Active Student	227				
19	791	37857	20%				
Labs	Faculty	Total Graduates	106.				
45	1057	9236	ОК	يكالوريوس	2484 pales	1384 piloola	
THE University Impact Rankings		Faculty By Degree		Active Students By Gender and Branches			
THE MANUEL CONTROL	600-401	OPPLIENCE OF THE PERSON OF THE		GENDER,CODE 07	· M		















Highlights of the University's Achievements



SEU has obtained institutional accreditation from the Education &Training Evaluation Commission as the first non-traditional educational institution



The university was ranked in the ranking of 401-600 globally, and among the top 200 universities in quality of education



SEU is the exclusive and only operator in the Kingdom of the e-learning platform with more than 40 educational institutions and 2 million learners



SEU ranked second in the employment of its graduates compared to all public universities

The average salary SEU's graduate is the highest among all universities









SEU Competitive Advantage













Efficiency and Effectiveness

Saudi Image

Unique Target Audience

Interna tional-ization

Strategic Positioning

74% operationefficiency10% utilization ofphysical assets

More than 10 years of elearning experience
77 countries access SEU's
Arabic program

62% of students are older than 25 years

85% of Master-level courses delivered by Colorado State University

13 out of 20 targeted branches

2.2 Mn users of SEU digital infrastructure









Saudi Electronic University Graduates' Attributes























Saudi Electronic University strategic directions SEU 2021-2025



Strategic Direction

- Vision: Lead the utilization of technology in education to contribute to national development
- Mission: Providing high-quality flexible education which utilizes technology and modern teaching methods to all segments of society, and contributing to the production, dissemination and utilization of knowledge to achieve social, cultural and economic development.
- Purpose: Empower learners to achieve their ambitions through the optima application of technology and knowledge
- Motto: Pioneers of future learning
- Values: Teamwork

















Education for National Development

- SEU will provide nation-wide access to quality education that will contribute to social, cultural and economic growth, in the following:
 - Improves the national income as well as per-capita income
 - Make use of and contribute to Science, Technology and Innovation
 - Preserve and develop nature and environment
 - Develop the socio-economic conditions of residence across the Kingdom
 - Preserve, enrich and develop the Saudi culture
 - Promote sustainable development









Projected Impact by 2025



2000 new jobs will be created SAR 9 Bn will be added to GDP

SAR 4Bn non-oil government revenues will be generated SAR 633 Mn operation costs will be saved





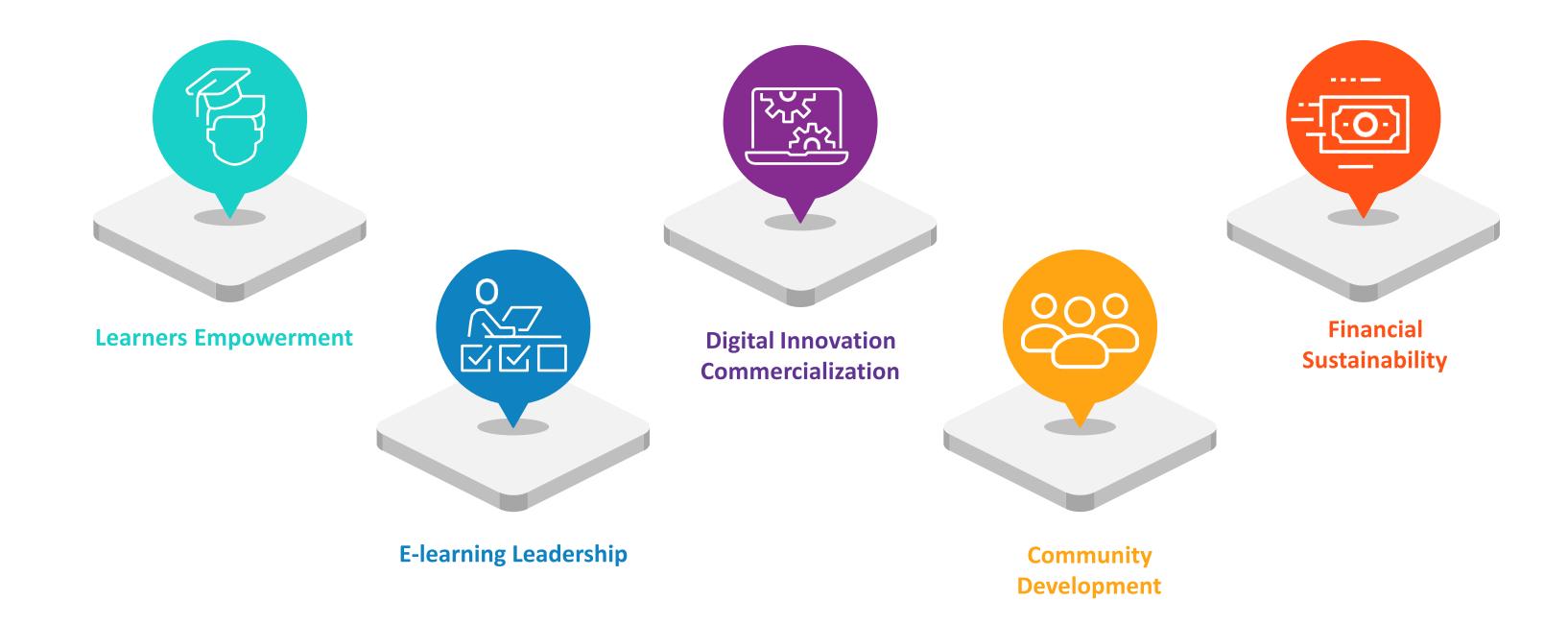








SEU 2021-2025 is centered around 5 Themes and 5 Goals















Goals



Theme

Provide outstanding education to empower learners to achieve their academic & professional aspirations



- Deliver market-oriented and interdisciplinary programs
- Improve the academic environment
- Develop teaching and learning models and methods
- Develop programs, curricula and teaching evaluation system

Objectives

- Improve student services
- Attract outstanding faculty members
- Expand learning opportunities







- Include in **global ranking** (index) system
- Obtain certification and accreditations
- Strengthen local and international strategic partnerships
- Expand **geographical presence** locally & regionally
- Develop a system to adopt, transfer & localize emerging practices & technology in e-learning
- Strengthen SEU brand equity



Digital Innovation Commercialization



Grow in digital innovation and **Techpreneurship**



- Strengthen the entrepreneurial and innovation culture
- Grow applied scientific research with focus on e- disciplinaries



Community **Development**



Strengthen engagement with communities across the Kingdom



- Develop partnerships with surrounding community
- Strengthen SEU consultancy services



Financial Sustainability



Build a sustainable, efficient and effective institute to achieve financial sustainability



- Provide unique value proposition for staff
- Develop efficient administrative system and optimize operations
- Expand the university's revenue streams













SEU BI System

To ensure transparency and access to information at any time Saudi Electronic University has a business intelligence system which is the only way source data in the university including faculty members, staff and students as well as dashboards to monitor projects, budgets.

This System was built internally and is connected to SEU's Data Warehouse to insure live update.







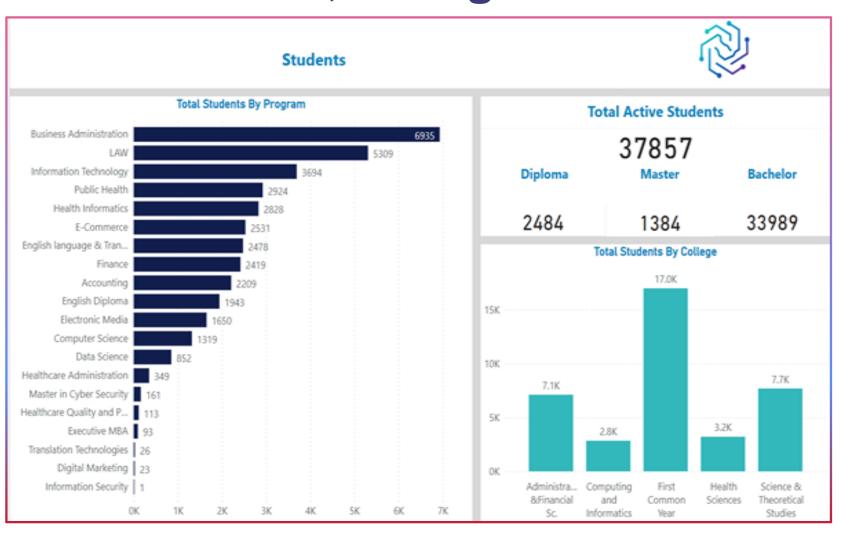


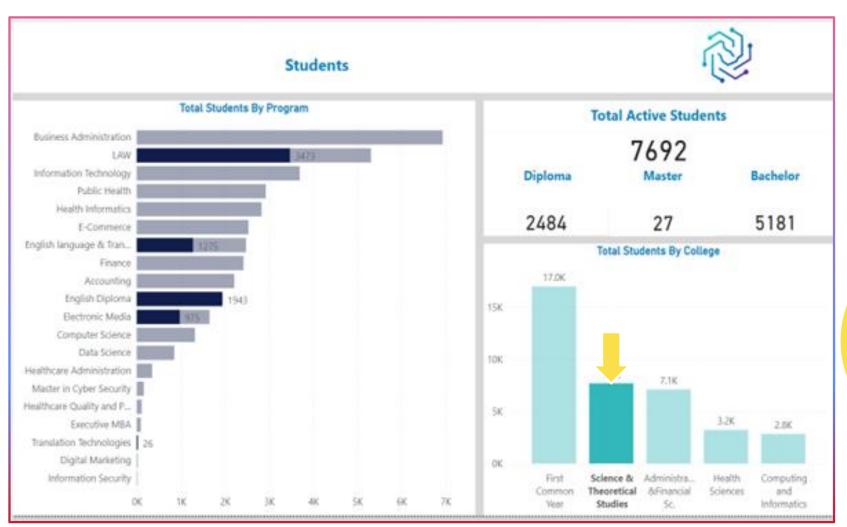






In This Dashboard information about students, including numbers, distributions, and gender.













Faculty and Staff Dashboards





General information in this dashboard could be found, including numbers of staff and admins in each entity, qualifications, grades, scholars etc...



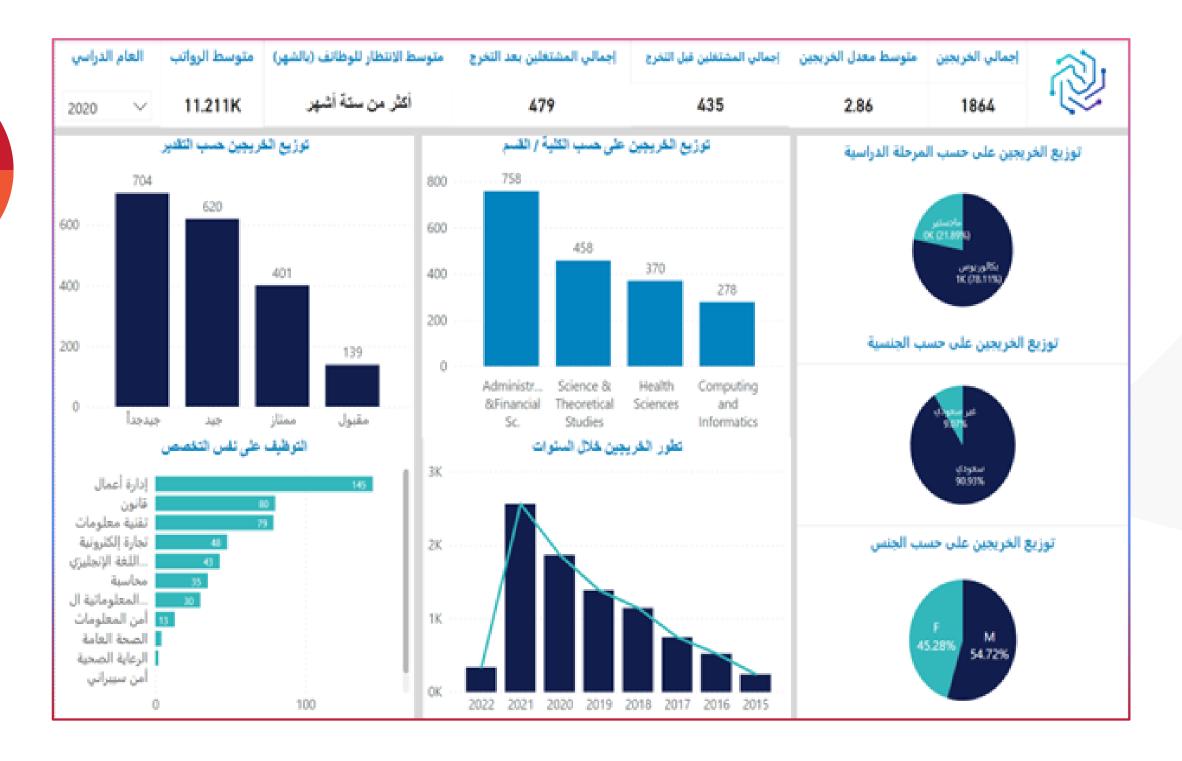






Employability Dashboard







The Graduate Employment
Index is one of the most
prominent indicators that
universities depend on to measure
their performance. Saudi
Electronic University has
dedicated a page on the Bi system
measuring the percentage of
graduate employment after 6
months of graduation ,this page
also shows the graduates GPA
and shows their average salaries









Employability Dashboard

























The geographical spread of the Saudi Electronic University (SEU)

in more than 90% of the Kingdom's administrative areas, with 13 branches represents a unique competitive advantage. Maintaining high quality education across all campuses requires consistent feedback from all stakeholders.















Ways to listen to the voice of Stakeholders Feedback

Several methods of communicating opinions are used, including Surveys, dialogues, open meetings, and Advisory Boards.



Chatbots



Students Rights Committee



Open Door Policy



Ticketing Systems



Open Meetings



Advisory Boards



Surveys

Surveys distributed cover quality of education, quality of the spatial environment, and services provided .In addition to employers' satisfaction with graduates. Namely:

- Survey of Program Assessment
- Survey of Student Experience Assessment
- Survey of course assessment
- survey of facilities and services Satisfaction (Students, Staff, Graduates, and Faculty)
- Satisfaction Survey of Employers with Graduates
- Training Needs Questionnaire
- Questionnaire on the quality of the procedures followed by the Saudi Electronic University during the Exams
- Community Service at Saudi Electronic University Surveys









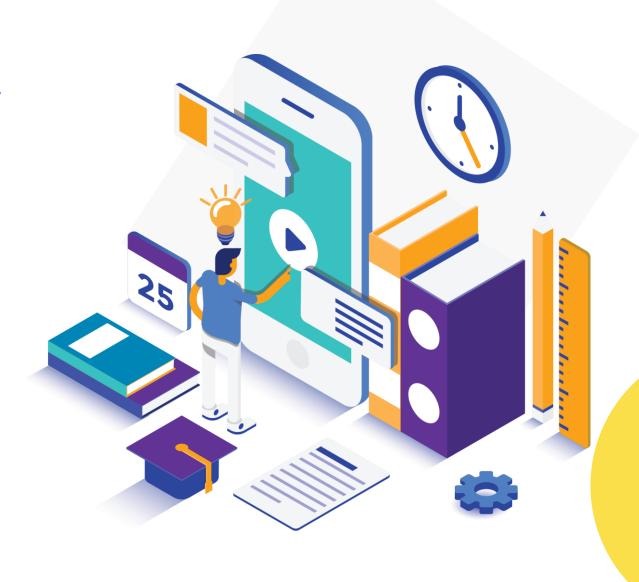






The Saudi Electronic University

has implemented a survey ecosystem to disseminate, collect and analyze all data obtained through various feedback channels. SEU has setup a clear plan for discussing the survey data and closing the quality loop, which provides the management of the University with key insights to support decisions related to continuous quality improvement.







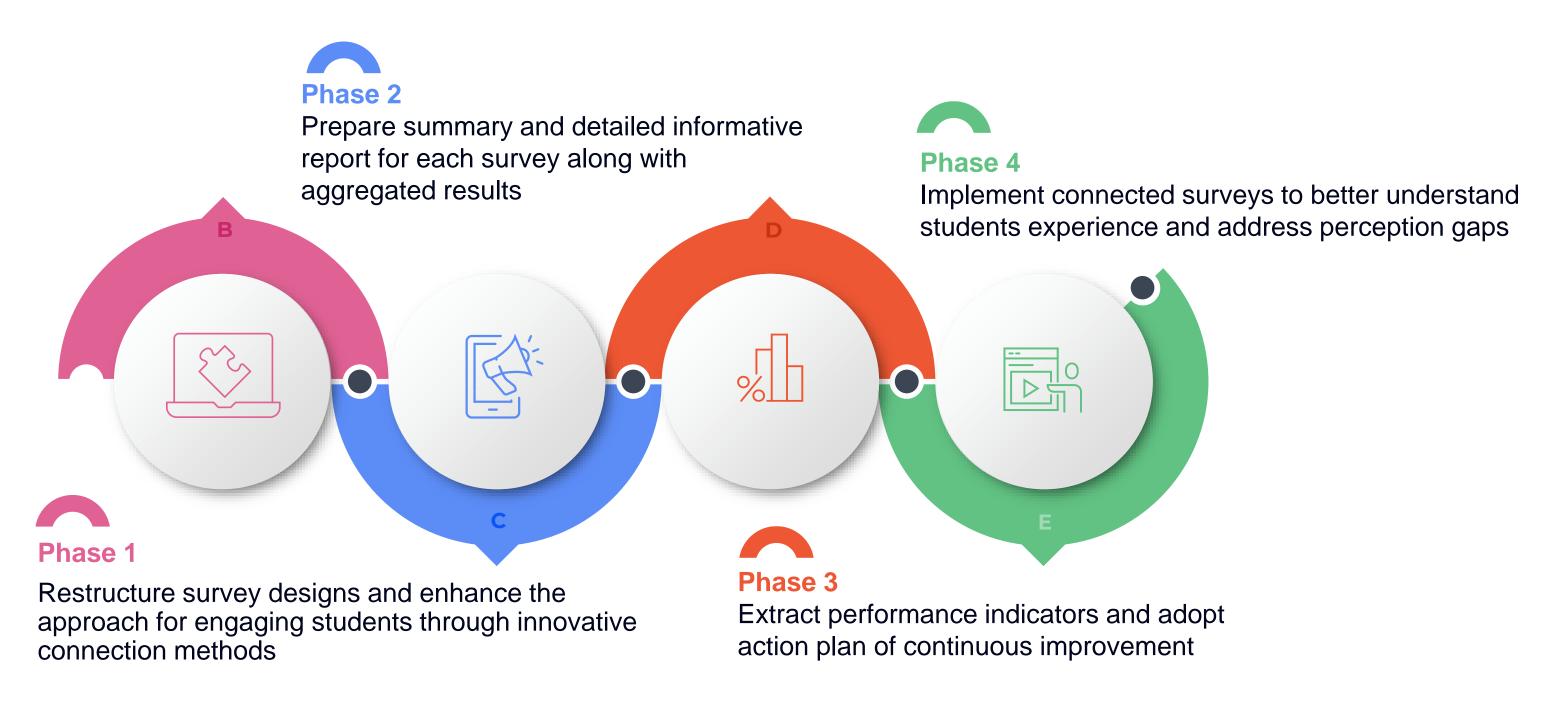






Building Survey Ecosystem at SEU

Four Phased Approach to adopting a Cycle of Continuous Improvement





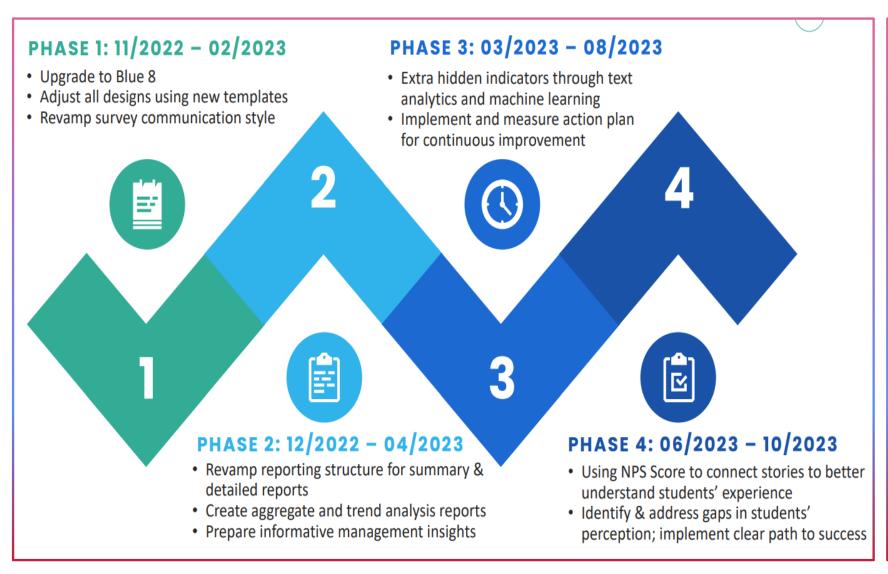








ROADMAP - Path to Success & Expected Outcomes





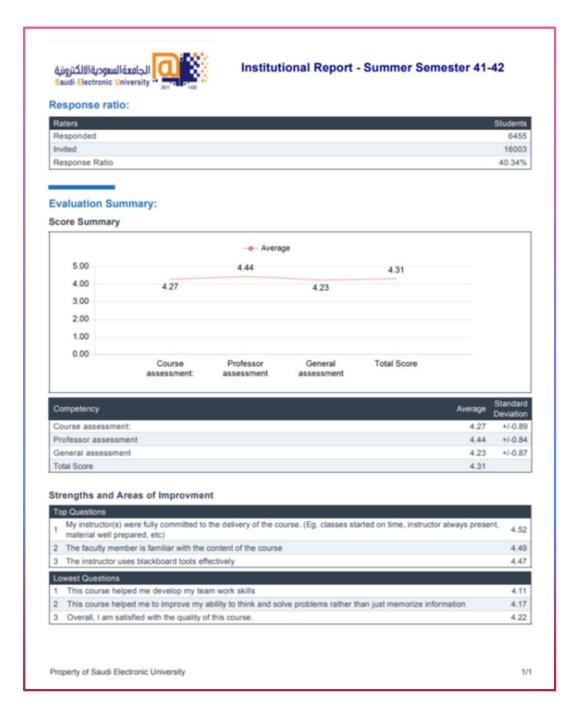












WE HEAR YOU



At the Vice Rectorate for Planning, Development and Quality, we resort to an escalation plan in case the authorities do not respond to the observations or do not submit an action plan and proposals

Saudi Electronic University uses feedback by sending periodic reports to colleges on student satisfaction in the educational environment and providing stakeholders with a mechanism to make an improvement action plan.













To ensure our orientation and the accuracy and quality of our work, we always compare our performance with previous years or with other educational bodies.

Saudi Electronic
University has
developed a system of
business intelligence
with certain KPIs which
are measured on
regular base. These
KPIs are obtained from
the Education
&Training Evaluation
Commission, and
some strategic &
operational KPIs.



Each KPI has 3 values:

- current value
- internal Benchmark
- External Benchmark





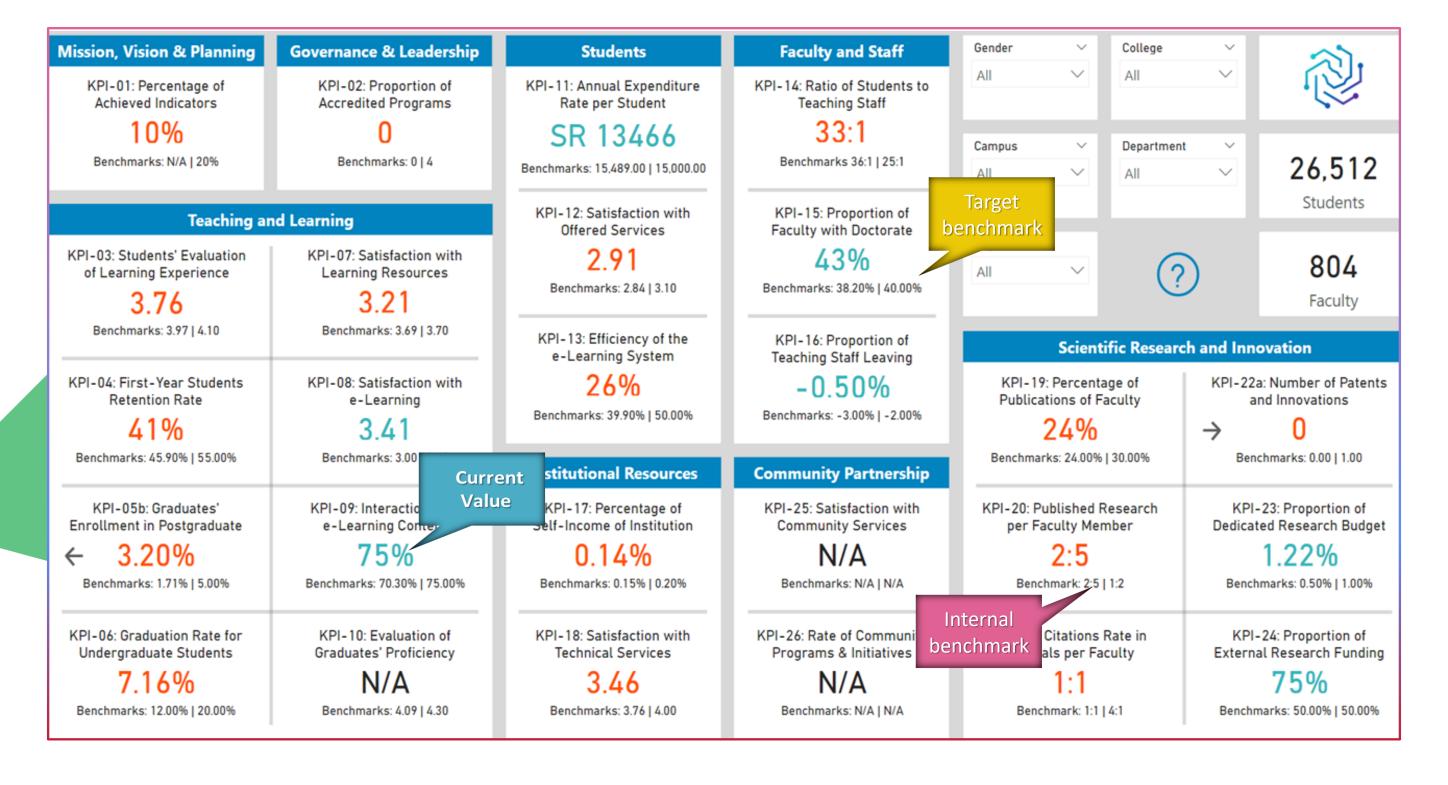












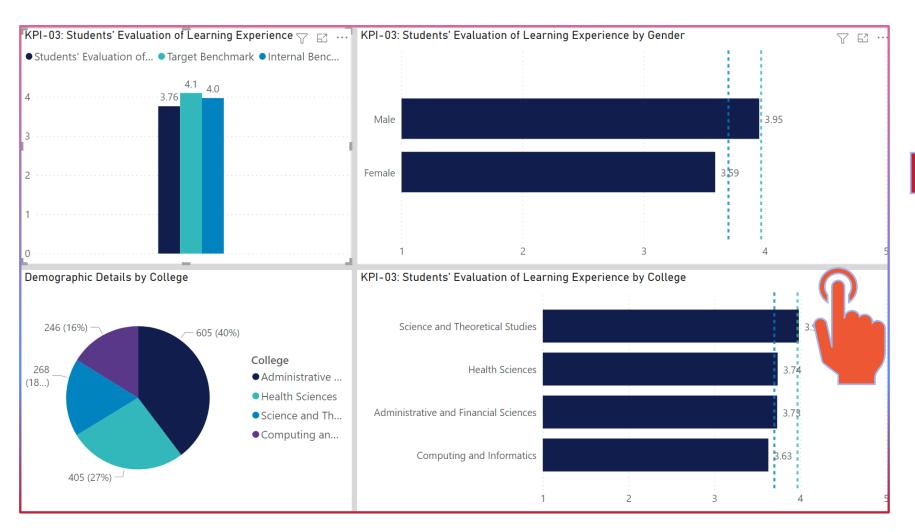


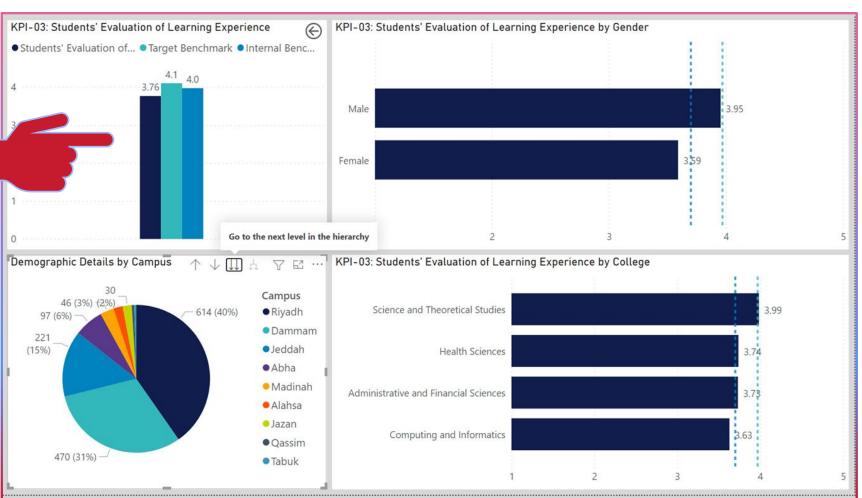






The different levels of comparison are illustrated by: Colleges Departments, Gender and Branches







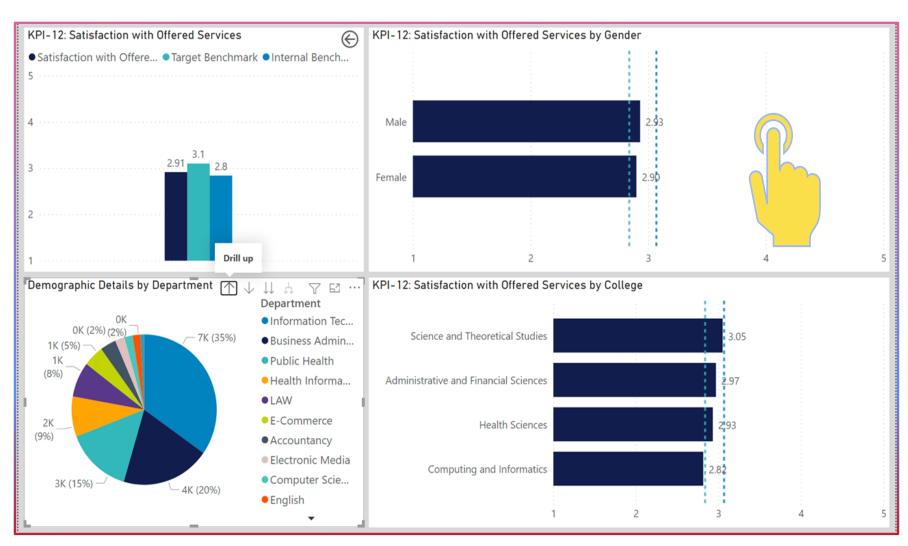






Each decision maker gets the authority to see the results





















Al solutions specifically designed to analyze the student experience









The Age of Students Expressing Their Opinions





Students Feedback



Increasing Comments





Notes and comments are disorganized



Reputation of the university









Unstructured data is inappropriate and usually requires an expert to analyze and interpret it





The vast majority of new data that is created today is unstructured as observations and comments



It can be said that unstructured data is the most valuable and insightful type of data that is difficult to decipher unstructured data and translate into usable insights.





Unstructured data is difficult to understand because, unlike structured data, there is no predefined data model.







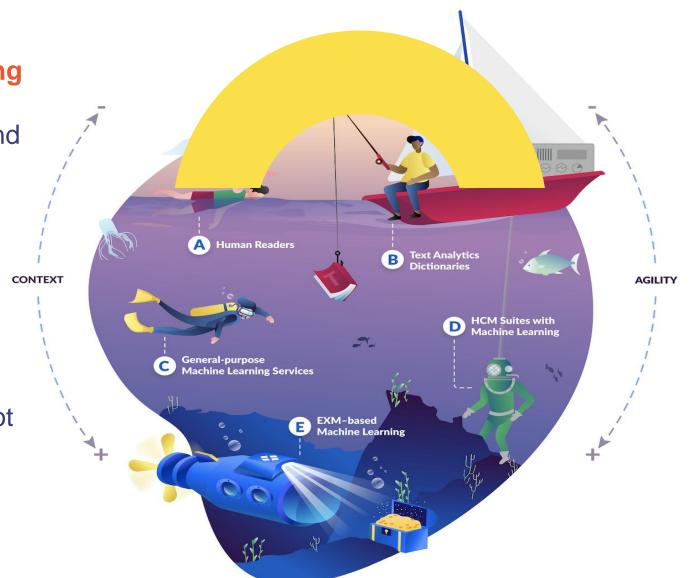


BlueML: Machine Learning Platform



Tailor-made machine learning models are used to analyze a student's study journey and find out their opinions

You no longer have to read every comment and you will not miss to gain key ideas from open comments



Welcome to the era of machine learning models and artificial intelligence

Models will continue to learn and evolve over time, giving you the richest insights possible









Advanced detection models in machine learning and artificial intelligence



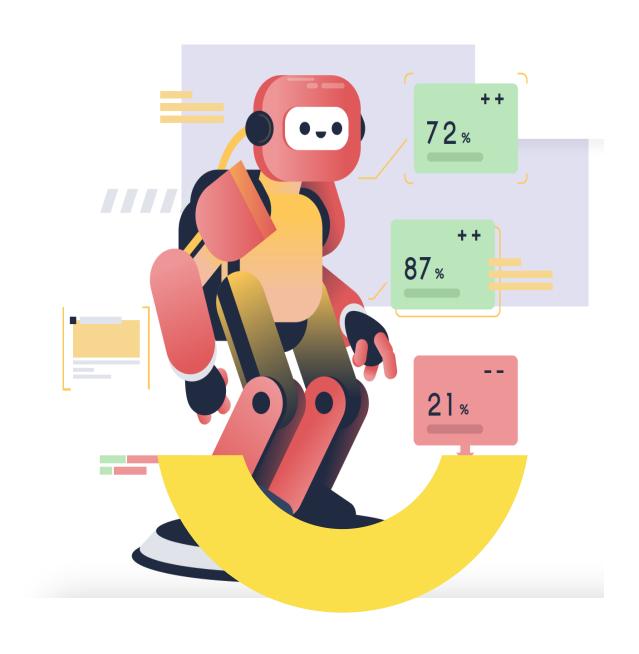






Predictive analytics













Example of the Application of ML and AI at SEU



Student feedback and feedback derived from a questionnaire measuring student satisfaction with professors and courses

Statistics on the questionnaire



Comments and opinions from more than 6,000 students about 3,000 courses and professors.



More than 15,000 comments to be read.



This data represents only one term.



Thousands of other students can be urged to express their opinions.



This data was analyzed through the Automated Intelligence platform









Example of ML and Al Analytics in SEU's Surveys



Negative Neutral Ambiguous Recommendations 24 100% 0 Reads: Hours to Read ✓ Show categorized topics Previous Page 1 of 1 Next 24 comments Comments Search for keywords, connect them with "OR" or "|" The Professor is Amazing, She Explaining Every Thing in Simple Way and Give Us Examples, What I Like About this CORSE is the Assignments are Related to the Lectures and It is Kind of Practice. Explanations / Quality Teaching style / Explanations Teaching component / Teaching style Teaching component Examples / Relevance Teaching delivery / Examples Teaching component / Teaching delivery Teaching component Professor/instructor / Quality Persons / Professor/instructor Persons Professor/instructor / Teaching component Persons / Professor/instructor Persons Assignment / Agreeableness/Approachability Assessment & evaluation / Assignment Course component & evaluation Course component Individual I really Liked the Assignments of the Simple and Fun. Assignment / Agreeableness/Approachability Assessment & evaluation / Assignment Course component / Assessment & evaluation Course component The doctor, who was assigned to this article, carries a wonderful, wonderful, wonderful style, Dr. Aziza Al-Saadi, thank you and thank you Professor/instructor / Quality Persons / Professor/instructor Persons Assignment / Agreeableness/Approachability Assessment & evaluation / Assignment Course component / Assessment & evaluation Course component What a Human Thousands of Duties and tests after each chapter helped me a lot Assignment / Helpfulness & support Assessment & evaluation / Assignment / Course component / Assessment & evaluation Course component / Assessment & evalu Topics and methods of thinking, and questions directly, and the distribution of tests, I mean, we will study first -hand The Assignment Realily Help Me to Improve with the Course Assignment / Helpfulness & support Assessment & evaluation / Assignment Course component / Assessment & evaluation Course component





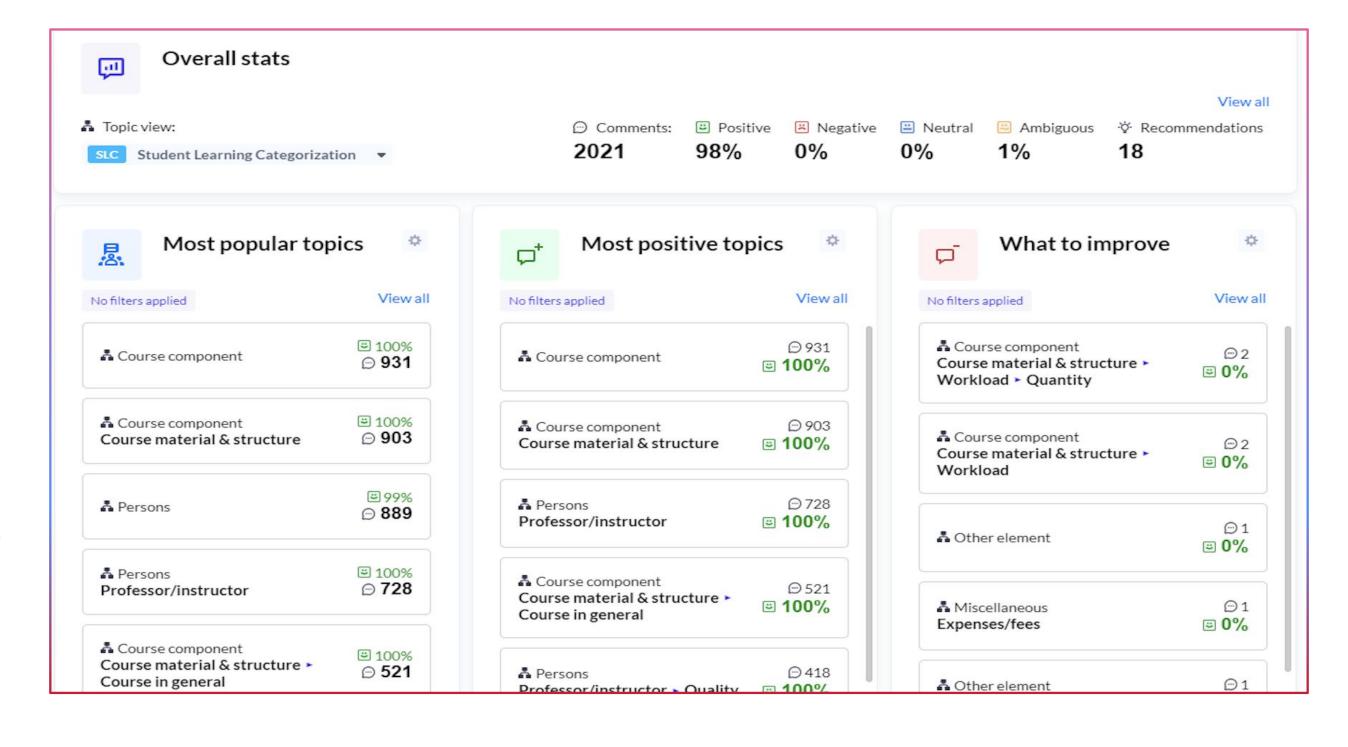




















Classifications of ML and Al and Analysis of Student Feedback



Translated Survey of course assessment for 1st semester 42-43

Dashboard > Topic View





Topics	Comments 🗸	Positive	Negative	Neutral	Ambiguous	Recommendations	Sentiments
+ Course component	931	1272	3	0	0	0	□ 100% 🗇
+ Persons	889	1269	3	0	8	0	₽ 99% 🕞
+ Teaching component	379	402	1	0	39	0	₽ 91% 🗩
+ Miscellaneous	70	59	7	0	5	11	≅83% 🗩
+ Learning outcomes	24	24	0	0	0	0	≅ 100% 🗇
+ Learning environment	11	11	0	0	0	0	≅ 100% 🗇
+ Other element	1	0	1	0	0	0	₾ 100%









Each attribute of the students' educational experience can be broken down into more precise titles to understand students' opinions.



Dashboard > Topic View ★ SLC ▼							
Topics	Comments 🗸	Positive	Negative	Neutral	Ambiguous	Recommendations	Sentiments
- Course component	931	1272	3	0	0	0	≅ 100% 🗇
Course material & structure	903	1230	3	0	0	0	≅ 100% 🗇
+ Course in general	521	767	0	0	0	0	≅ 100% 🗇
+ Course content/concept	400	455	0	0	0	0	≅ 100% 🗇
+ Course material	4	4	0	0	0	0	≅ 100% 🗇
+ Projects	3	4	0	0	0	0	≅ 100% 🗇
+ Workload	2	0	2	0	0	0	≅ 100% 🗇
+ Readings	1	0	1	0	0	0	≅ 100% 🗇
Assessment & evaluation	24	29	0	0	0	0	≅ 100% 🗇
+ Assessment/exams/quizzes	14	14	0	0	0	0	≅ 100% 🗇
+ Assignment	13	15	0	0	0	0	≅ 100% 🗇
Practical learning	12	13	0	0	0	0	≅ 100% ⊝
+ Practical aspects	11	11	0	0	0	0	≅ 100% ⊝
+ Labs	1	1	0	0	0	0	≅ 100% ⊖
+ Group work/activities	1	1	0	0	0	0	≅ 100% ⊝









Identify unique experiences and challenges for specific students' real-time conclusions through the ML platform



Translated Survey of course assessment for 1st semester 42-43 Dashboard > Topic View > Comments Add filters This course has made a real impact on the life of this student. Negative Positive Neutral Ambiguous ☆ Recommendations Comments: 2021 98% 0% 1% 18 Few students took the time to Search for keywords, connect them with "OR" or "|" ... 5 out of 2021 comments express the need to improve the distance and online learning experience. It's important to delve Education for your social, professional and educational life Help me change myself for the best deeper into the specific aspects that need to be improved. Better distance education Better distance This student cannot pay for his education education and may leave the university I hope you accept withdrawal because I can't















Thank You







