



KFU

جامعة الملك فيصل
KING FAISAL UNIVERSITY
جامعة ووطن.. نماء.. واستدامة..

King Faisal University New Identity

Elements of the new Identity of KFU



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Features of the identity of King Faisal University

What is food security and environmental sustainability?

The implications of identity on university functions

Motivations and premises of the new identity

Fields of food security and environmental sustainability

Features of the new identity of KFU



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- ❖ To be a leading university in creating a stimulating and future-oriented learning environment locally, regionally and globally.
- ❖ To be a productive research and development university, to contribute to the achievement of food security and environmental sustainability of the Kingdom.
- ❖ Launching the university's economic capabilities and designing a vision and investment systems that emerge from the university's identity.
- ❖ Make investment in food security and environmental sustainability a strategic choice for the University.
- ❖ Employing the University's investment and innovative arms to serve as effective trading windows for our research work and products, in a way that serves our country, enhance its food security, and preserve its rich environment.

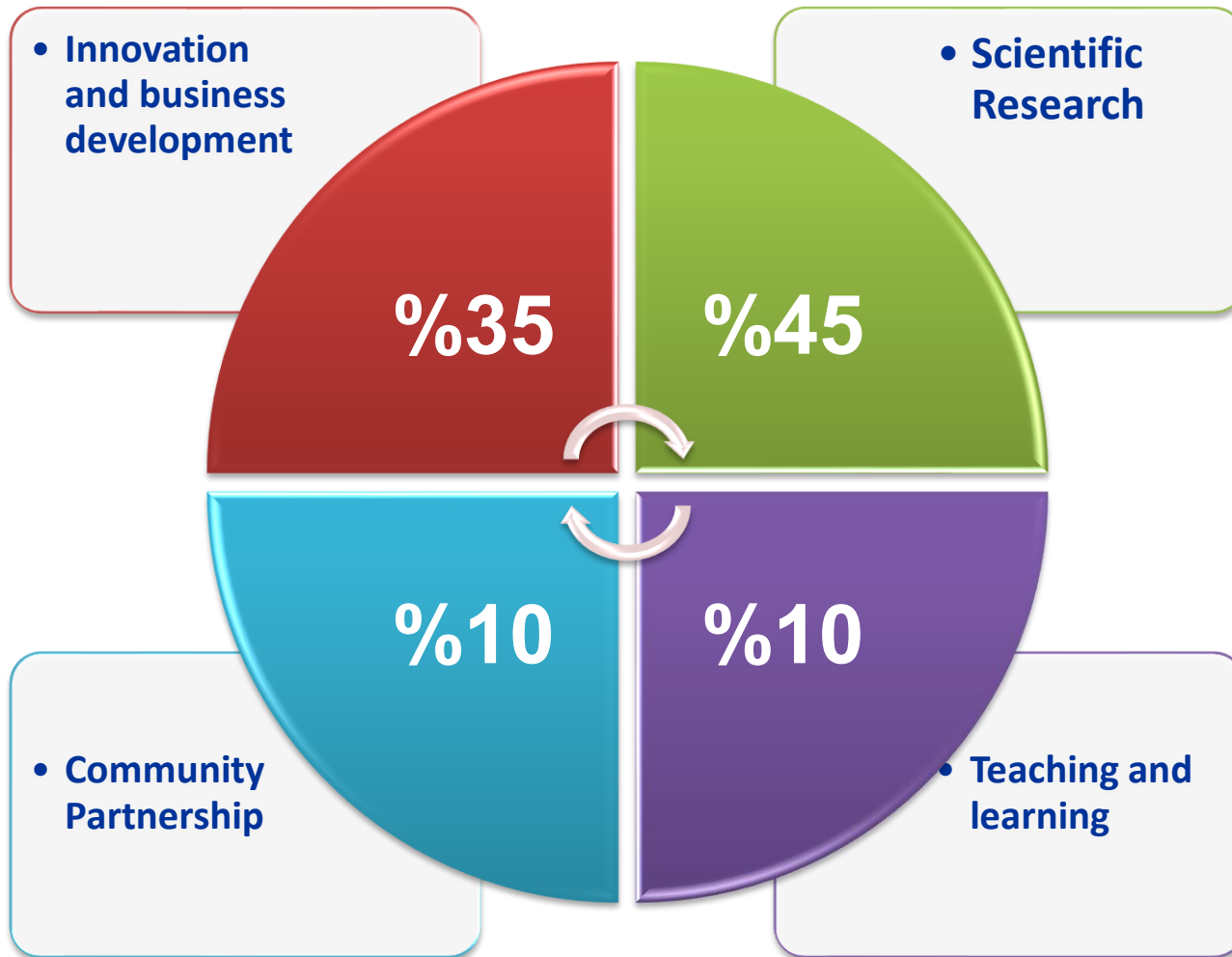
What is food security and environmental sustainability?



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- ❖ Food security is one of the most important sustainable development goals at the global level, and one of the strategic objectives and main pillars of several programs to achieve the Kingdom's Vision 2030.
- ❖ According to the Food and Agriculture Organization of the United Nations (FAO), food security reflects national capacity to provide, facilitate access to and use of food products, with emphasis on strategic stockpile management and access.
- ❖ Food security encompasses five main pillars: the provision and safety of food, accessibility, use, stability of supplies and optimal management.
- ❖ King Faisal University, in all its academic and research sectors, has undertaken to contribute to facing critical challenges for food security and environmental sustainability.

The implications of the new identity on the university functions



Internal Motives

- Availability of cumulative knowledge and expertise in the areas of food security and environmental sustainability, as the university hosts specialized colleges such as College of Food and Agricultural Sciences, and College of Veterinary Medicine, in addition to 13 other supportive colleges.
- The university specializes in the field of agricultural, aquatic, animal and environmental research, and hosts six specialized research centers.
- The University's strategic partnership with a number of public and private entities focused on cooperation in areas related to food security and environmental sustainability.
- University research agreements with international universities in the fields of food security and environmental sustainability.
- To stimulate the university system for investment and entrepreneurship by starting the establishment of Al-Ahsa Oasis project for innovation and technology, Wadi Al-Ahsa Investment Company, and the Entrepreneurship Center.

External Motives

- Direct intersection with Vision 2030 of the kingdom.
- The release of national strategies for food security, water and environment.
- Current challenges facing the world in general, and the Kingdom in particular, regarding food security and environmental sustainability.
- Several entities have launched transformative initiatives to serve the purposes of food security and environmental sustainability, especially in the fields of food industries and renewable energy industries.
- Direct intersection with the National Industry Development and Logistics Program.
- Geography and topography of Al - Ahsa province in the Eastern Province.
- The need for an existing market in the fields of agricultural technologies and their application to food security and environmental sustainability in the Kingdom.

Fields of food security and environmental sustainability



1

• **Water:** Water shortages are one of the most important challenges facing the world and the Kingdom

2

• **Agriculture:** Agriculture is an essential pillar for food security

3

• **Environment:** The Kingdom faces a number of environmental challenges such as desertification, declining vegetation and environmental pollution

4

• **Management:** Management has a major role to play in both food security and environmental sustainability, by creating effective management models for managing the environment and food in a manner that ensures the availability of supplies.

5

• **Technology:** drones and modern water technologies

6

• **Health:** Health is primarily linked to nutrition that is not limited to humans, but includes plants, animals and fisheries.

7

• **Transport:** Transport directly contributes to food security by transporting and storing food in designated locations for preservation.

8

• **Manufacturing:** Manufacturing represents one of the most important pillars of food security, the development of a food industry, and industries related to the food industry.

9

• **Energy:** Focus on new and renewable energy and link it to multiple agricultural and water systems, particularly utilizing bioenergy and algae technology

The stance of the Engineering College regarding the new Identity



Domains	Water-Environment-Technology-Transportation- Manufacturing-Energy			
Directions	3D Printing in Agriculture	Desert Agriculture	Irrigation Engineering	Agricultural Drones
	AI & IOT in Agriculture	Bio Energy	Agricultural sensors	Environment Conservation
	Food Processing	Bioplastic	Food Quality Control	Strategic Inventory of Food