

Research & Enterprise Office

Tafila Technical University



Introduction

Tafila Technical University (TTU) was established by the Royal Decree on 17 Jan. 2005 as the ninth public and first Jordanian technical university. It is located in Tafila about 180 km to the south of Amman, the capital. TTU offers: 25 undergraduate programs, two high-diploma programs, 3 master programs and 12 associate-diploma two-year programs. TTU comprises 5 colleges, 2 deanships, 5 centers, 12 departments and others



Priorities:

- Unifying and instilling the concept of “culture institution” arising from the university’s mission and vision.
- Well-preparedness of the university environment.
- Studying the needs of the labor market.
- Applying the management of a comprehensive quality in administrative, technical and financial services.
- Financially supporting scientific research projects.



Research and Enterprise Office Overview:

Research and Enterprise office at Tafila Technical University is aimed to achieving one of the main goals of Jordanian universities which is scientific research. This includes applied research and engagement with industry in Tafila governorate. In 2005, TTU established Energy Research and Oil-Shale Centre as a vehicle to focus the research and enterprise activities; drawing on institutional strengths and core capabilities. TTU wishes to refocus research activity in a way which will see knowledge transfer services as a central pillar in TTU mission as the first technical university in Jordan.



Strategic Vision of Research and Enterprise Office at TTU:

Research and Enterprise Office at TTU makes a significant difference to the organisations and local industry we serve.



Strategic Mission of Research and Enterprise Office at TTU:

- Enhance productivity, quality and performance of the local industry.
- Contribute to scientific research at both the national and international levels.
- Enhance the quality of teaching at TTU by capacity building through research.



Shared Values:

Research and Enterprise Office at TTU is committed to these core values, which guide us in carrying out our mission and realizing our vision:

- Development of the capabilities of learners and staff
- Ease of access to research facilities and services
- Building local and regional economies
- Readiness to develop scientific research tasks
- Connection to the industry and community
- Solutions of problems that address practical issues for the local industry
- Development of research skills
- Enhancement of organizational productivity and performance
- Engagement in research and enterprise projects



The External Environment:

Local community of Tafila city is linked with TTU at different levels:

- The University President is a member of the Advisory Board of Tafila Governorate.
- Board of Trustees: the current chair of Board of Trustees is originally from Tafila city and he is aware of the needs of the local community. This is just the current case and not as a rule. In general, representatives of the local community are engaged in the Board of Trustees.
- University Council: the university president, every year, nominates two representatives and one alumnus from the local community to be members at the University Council.



- College Council: the university president, every year, nominates two representatives of the local community to be members in each College Council at the university.
- Community Partnership Centre: in 2007, TTU established the Community Partnership Centre which is responsible of conducting different training courses and seminars requested by the local community, particularly school students, NGO's and other bodies.



TTU is located in the heart of Tafila city. It provides logistics and infrastructure to most activities held there. Some academic programs and scientific research activities are addressing the needs of the local community. For example, Mining and Geological Engineering programs were launched since the establishment of TTU to help Tafila Governorate invest its different minerals and mining industry. However, there is no institutional link between TTU and the surrounding industry. In 2004, two faculty members at TTU proposed to establish what they called “Industrial Linkage Unit” to be responsible for bridging the gap between the university programs and scientific research and the local market needs. Unfortunately, the proposal was ignored because of the lack of logistics and infrastructure at that time.



The Internal Environment:

TTU's practices, policies, and regulations reflect its commitment to ethics and integrity. TTU seeks to ensure that all students and employees understand what is expected of them and know what it means to operate ethically and with integrity. TTU demonstrates both transparency and responsiveness in its approach to ethics and responsible conduct: policies are developed, supplemented, and revised as needed.



Strategic Objectives:

- to establish technology transfer service
- to engage in scientific research that develops TTU staff and students
- to improve the quality of scientific research
- to engage in scientific research that related to the local industry



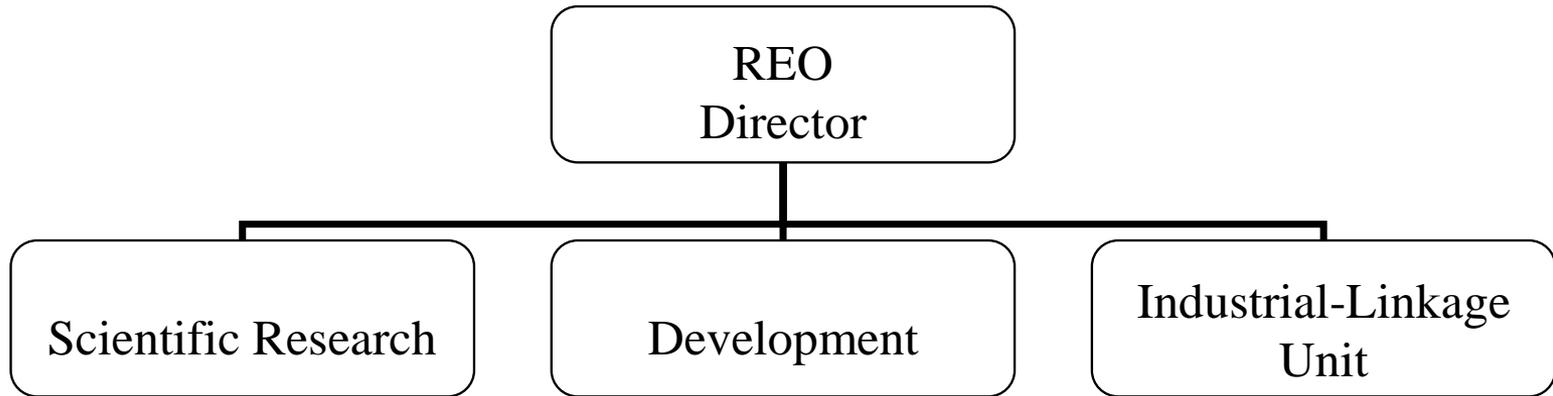
Actions:

- Increase staff numbers active in technology transfer projects
- Bring real-world issues into our learning
- Develop our REO as a mentoring hub for technology transfer
- Offer opportunities for workplace learning research
- Engage students in scientific research activities as part of their experimental learning



Organization Structure:

Organizational structure of Research and Enterprise Office:



Success Story

Memorandum of Understanding



Between

KOSPO

Tafila Technical University

This Memorandum of Understanding (MOU) sets for the terms and understanding between the Korea Southern Power Co., Ltd. (KOSPO) and the Tafila Technical University (TTU) for Donation of Solar Power Plant and Technical Training Course for engineering student.

Background

KOSPO is developing wind power plant in Tafila, Jordan. As a state-owned company, rather than considering its own development, also we are thinking of corporate social responsibility for cooperative development with community.

Through establishment of training course and donation of solar power plant, KOSPO believes that it plays a role in servicing the local society, and in strengthening the relations among academic and industrial institutions for mutual benefits.

KOSPO looks at TTU as a significant source of eligible and competent students. We hope to help to widen their appreciation to power generation technology and give them the chance to be distinguished engineers who will contribute in the advance of their society and country.

Purpose

This MOU will be to give TTU **solar power plant**, which is aimed to provide clean, renewable energy for contributing to society and courage students and give them impulse to develop their interests in this renewable power generation area which is to meet Jordan's trend towards energy efficient projects.

And this will be to give TTU Engineering students a **training course related to Renewable Energy and Combined Cycle Power Plants**, which provides practical information for engineering students, related to power plants principles and design.

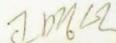
Scope

KOSPO will be in charge of

- Preparing for technical training course
- Donation of solar power plant

TTU will be in charge of

- Preparing suitable lecture room, nomination of excellent student to attend
- Providing the roof of theater for installation of solar power plant
- Getting permits of solar power plant from government
- Supporting for recruiting construction personnel for solar power plant
- Granting scholarship to students in Tafila area with a part of the revenues from solar power generation


Ko, Myung Seok / Vice President
Korea Southern Power Co., Ltd.


Shtaywy S. Abdalla / President
Tafila Technical University

Memorandum of Understanding



Between



KOSPO/Jordan

and

Tafila technical university

This Memorandum of Understanding (MOU) sets for the terms and understanding between the Korea Southern power company/Jordan (KOSPO/Jordan) and the Tafila technical University to provide Engineering student training and job opportunity and support university in new PV project.

Background

KOSPO Jordan LLC looks at Tafila technical University as a significant source of eligible and competent students. And among them will be future engineers who will contribute in the advance of their society and country and believe such university really worth full green power energy to reduce high power cost and make new fund sources to university

KOSPO Jordan believes that it plays a role in servicing the local society, and in strengthening the relations among academic and industrial institutions for mutual benefits Which is expected to courage them and give them an impulse to develop their skills in this subject, especially that Jordan's trend toward energy efficient projects is increasing and demanding skilled members.

Purpose

This MOU will be to give TTU Engineering student training and job opportunity in **KOSPO Renewable Energy and Combined Cycle Power Plants and projects**, Which is aimed to provide practical information for engineering students, related to power plants principles and design. Which is expected to courage them and give them an impulse to develop their skills in this subject, especially that Jordan's trend toward energy efficient projects is increasing and demanding skilled members and KOSPO will provide TTU with PV projects technics

Scope

KOSPO will be in charge provide Engineering student training and job opportunity and support university in new PV project as a solo company .

TTU will provide with excellent and first grade students in Engineering class.





Thank You

