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The Center of Excellence for Innovative Projects in JUST can not stop inovating, Proving the CTIs Irreplaceable role.

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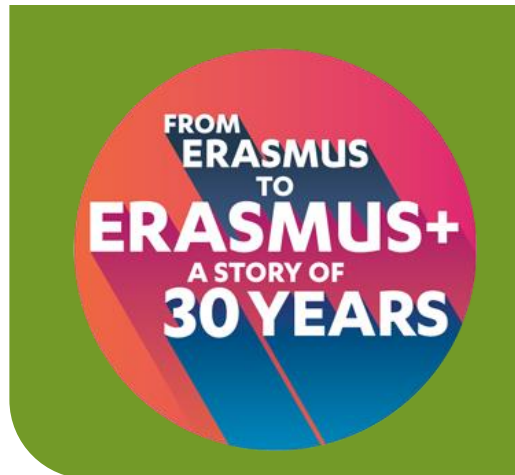
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His Royal Highness Prince Hamzah bin Al-Hussein visited INVENT booth in GCREEDER Conference 2018



## UNLEASHEING THE INNOVATION POTENTIAL IN JORDAN

When Professor Fahmi Abu Al-Rub first proposed this project, there were no doubts about the necessity and the importance of promoting the innovation culture in Jordanian higher education institutes, but like most of the projects that target cultural change the worries Imposed itself. Now after two years of the European funded project overcame these concerns and made headlines in the Jordanian media. INVENT influence extended beyond universities and media to the Jordanian industrial sector and the highest levels of leadership in Jordan. Invent project raised the interest of His Royal Highness the Crown Prince and His Royal Highness Prince Hamzah bin Al Hussein when they visited some of the activities of the project in the Jordanian universities.

# INOVATION IS BEAING CREATED HERE



## METAMORPHOSIS FROM PASSIVE LEARNERS INTO ACTIVE INNOVATORS

Upon visiting “M4 wing” in the engineering buildings complex at the Jordanian University of Science and Technology, one would be amazed by this groups of young people working on their gadgets, discussing new ideas, or rehearsing their patent application. Those young enthusiasts together with their mentors impart a feeling of energy, excitement and hope, like if you have just entered a Beehive.

The official name of this beehive is “the Center of Excellence for Innovative Projects (CEIP)”. It was established with a primary goal of “transferring innovation to the Jordanian youth”. To achieve this goal, the center embraces entrepreneurial projects as emerging companies that would later become small independent productive companies, supporting the transformation of national economy into a knowledge-based economy.

According to Dr. Fahad Awad, the director of the center, "Sponsoring creative people and adopting their pioneering ideas contribute to the sustainable development of the national economy." He also pointed out that the center works as a host of creativity and excellence and pillar of the knowledge-based economy.

CEIP was sponsored by the ERASMUS+ INVENT project, which is co-funded by the European union, and is one of 4 Centers for Transfer of Innovation (CTIs) in Jordan that will be established under INVENT project.

According to INVENT Project Coordinator Professor Fahmi Abu Al Rub, “The objectives of INVENT Project will be met through the establishment of 4 Centers for Transfer of Innovation (CTIs) in Jordan”.

Invent project objectives include: Raising the awareness of the innovation importance among the university researchers and the local businesses, provision of a clear view of the technological needs of the local industries so that the research and researchers’ priorities can be well identified and Building capacity of CTIs’ staff.

Under INVENT project Dr. Awad's squad, along with the staff of the other 3 CTIs in Jordanian university, received intensive training courses in innovation, commercialization, business development, incubation services and technology transfer skills. This TOT training was held in some of the best business incubators in four European countries. During last year CEIP held more than 20 training sessions and workshops, for the benefit of about 700 student and young professionals.

The results of this training surfaced fast, last year JUST was awarded 4 US and international patents via the Technology Transfer Office administered by CEIP, registered 7 pending patents, and there are 17 patent proposals under assessment at the center.

The impact of CEIP efforts extended beyond the university toward the local Jordanian industrial sector. CEIP signed 5 cooperation agreements with leading industrial companies.

CEIP incubated or organized 6 innovation competitions to stimulate the students to focus their innovation on actual industrial needs and within Jordan national priorities, especially in the fields of sustainable energy, water and environment, smart city services, pharmaceuticals and health care. The industrial partners participated by providing the challenges for the students or by assessing the proposals.

Finally, CEIP offers an opportunity for all innovators not only at JUST but to all Jordanians. The Center provides the right environment for embracing creativity and stimulating excellence in various fields. The center's incubator is operated at the highest international standards by qualified staff and a management with international experience

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### *CEIP Staff share their experience of INVENT Project training*

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*Tariq Smadi, Consultative Center for Science and Technology*

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The training program we received at the University of Cyprus on the period 14-1-2018 to 20-1-2018 as part of the INVENT PROJECT in Business Model Canvas. The advanced training was great. We also visited Center for Solar Energy (FOSS) and Center of Excellence and Creativity. It was an enjoyable and useful experience which would contributed to the success of INVENT project and CEIP.

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*Hasan Al-Amour, the head of the training department at CEIP.*

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The training in ARCA was about developing Business plan & Canvas model, which is relevant to my field of work in Jordan.

I was able to develop a training course material for students and young entrepreneurs on how to prepare a work plan and Canvas model. I delivered the training workshops several times so far. Finally, I would like to thank again the INVENT project and ARCA staff for the great experience.

# INVENT Workshops in the University of Jordan

## Innovation and Entrepreneurship Concepts & Teach. Skills Workshop.

Organized by the Center for Innovation and Creativity at the University of Jordan This workshop was held with the participation of a wide range of faculty members at the University of Jordan. presented by Dr. Ashraf bani Mohammad, the director Innovation and Entrepreneurship Center at The university of Jordan.

The workshop provided basic knowledge in innovation and creativity, strategies and methods of teaching and discovering innovation and creativity, and ways to use effective and modern management in teaching creativity and encourage participation and interactive learning and creative thinking and innovation commensurate regarding age requirements.



## Role of Science and Technology in industrial development

This three-day workshop is considered as one of the activities of CTI at UJ, it was held at The University of Jordan and attended by distinguished persons from Jordan and Arab countries. The minister of higher education in Jordan and the president of the University of Jordan have attended the opening ceremony and delivered a welcome speech. In addition, representatives of government and privet sector and research centers from ten different Arabic countries have participated in papers about innovation and linking academia with industry.

The workshop aims to promote the creativity and innovation to achieve a developed and sustainable Arab industry, and to figure out the administrative and legislative procedures for the protection of industrial property.



## Introduction to Entrepreneurship Workshop

The training was delivered by Oasis500, which is a leading seed investment company and business accelerator in the Tech and Creative Industry spaces based in Amman, Jordan. The training aims at enabling great entrepreneurs to transform their viable ideas or creative talents into scalable businesses.

## Postgraduate Planning" Training Workshop

A training workshop was conducted by Dr. Khaled Khrisat from MONOJO to train the students on different skills including the needed skills to write the curriculum vitae, skill for job interviews, and to choose the suitable job.



# INVENT project Dissemination activities at GCREEDER 2018 Conference



## HIS ROYAL HIGHNESS PRINCE HAMZAH BIN AL HUSSEIN VISITED INVENT BOOTH

Dissemination activities for INVENT project were conducted during the 6th Global Conference on Renewable Energy and Energy Efficiency for Desert Regions (GCREEDER 2018) which was held at the university of Jordan during the period from April 3-5, 2018 under the patronage of HRH Prince Hamzeh Ibn ALHussein.

- A booth for INVENT project:

A booth for INVENT project with Roll up and brochures was in the exhibition hall of the GCREEDER 2018.

- A Dissemination and Implementation lecture for European projects including INVENT project was delivered, presented by Prof. Fahmi Abu Al-Rub and Eng. Rasha

This workshop started with a presentation from the director of National Erasmus+ office Dr. Ahmad Abu El-Haija about the impact of EU funded projects on Higher Education in Jordan, and after that the workshop continued by presenting different EU funded projects where the University of Jordan is partner or grant holder including INVENT project where Prof. Fahmi Abu Al-Rub present it.





# ENTREPRENEURSHIP TRAINING IN MUTAH UNIVERSITY

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Eng Gehan conducted training for the student from Mutahe University on designing and developing a business idea using Business Model Canvas, training on preparing and implementing pitching techniques to find private funding, and preparing a feasibility study. The training prepers the students to be a pioneer in the development of the national economy and focuses on strengthening the role of universities in developing innovation capacities, technology transfer and the commercialization of the results of applied scientific research in Jordan.

