

Regional TAM

Emerging entrepreneurship skills & Technical Education in South Mediterranean Countries

Aswan City - Egypt

Palestinian Case

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HERE- Palestine Polytechnic University

In Palestine

HEI total number: 51 (academic year 2017)

- Universities: 15
- Open Universities: 2
- University Colleges: 16
- Community Colleges: 18

Total number of students: 218,415 (academic year 2017)

•male 85,383 = 39%

•female 133,032 = 61%

Technical and Vocational Education: 22,166 = 10%

Number of graduates : 44,446 (2016)

- Male students: 17,411
- Female students: 27,035

Palestine Polytechnic University

Colleges:

College of Engineering (*14 BSc. Programs, 4 MSc. Programs*)

College of Applied Sciences (*8 BSc. programs, 1 MSc.*)

College of Applied Administrative Science and Information Systems (*14 BSc. programs, 2 MSc.*)

College of Information Technology and Computer Engineering (*5 BSc. Programs, 1 MSc, 1 Ph.D./App.*)

**College of Applied Professions (*26 Diploma programs and
2500 students*)**

College of Health and Life Sciences (*Under official Recognition – 7 programs*)

PPU Strategy

An Entrepreneurial University

Why transferring into an entrepreneurial university?

Globalization of HE

Current trends shaping International job-market

Challenges of **managing** national HEI :

- (Military *Occupation measures*,
- unemployment rates among graduates*,
- limited job-market*,
- shortage of financial support*)

PPU Strategy

An Entrepreneurial University

PPU Strengths that facilitate the transformation

History in serving the community

Services to marginalized communities

Sophisticated services to private and public sectors (**ISO17025 certified**)

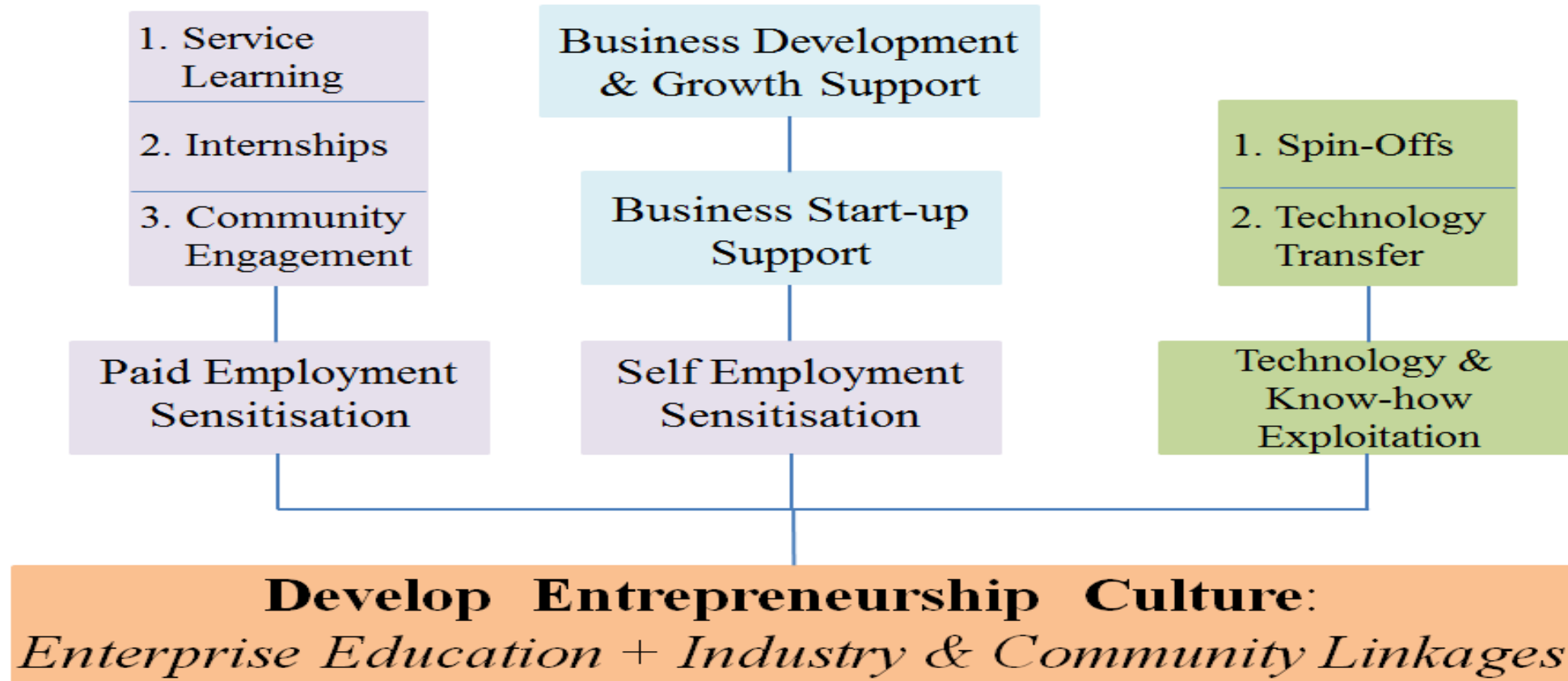
Academic/Research – Private – Public partnership

PPU was First to Apply Triple-Helix partnership model in 3 main programs,

PPU was First to establish 3 National centers that Jointly administered with Public and Private

- Stone and Marble Industry Center (*PPU-MoNE-USM*)
- Leather and Shoe Industry Center (*PPU-MoNE-HCH-SLIU*)
- National Center for Occupational Safety, Health and Environment (*PPU-ML-ILO-LU*)

PPU – Entrepreneurial University Development Model



Intervention Key:



All staff



All students



Self-selected students



Students, staff & researchers

Dynamic Innovation Centers

Industrial Synergy Center,

Fawzi Ka'awash IT Center of Excellence

Businesses Incubation Unit

Academic training capabilities

Teaching and Learning Center of Excellence (Training staff on Entrepreneurial teaching/learning)

Continuing Education Center

Tailored Entrepreneurial Course

Entrepreneurship (*Based on the European Framework*)

Revenue based service providing centers

Five centers that provide sophisticated certified services

Academic entrepreneurship

• **IT and Business incubation**

- Life and Business Skills trainings
- Entrepreneurial Business Building trainings
- Hosting and operating the business incubator for the south
- Linkages, seed funds, offices and logistics, mentorships and consultancy services

IT Business Incubator since 2005



• **Innovation and technology transfer**

- EU best practices utilization
- Linkages
- Private sector partnerships
- Students Competitions

Center of Innovation and Technology Transfer (STEP Tempus project)



• **Industrial partnerships**

- Technical Trainings
- Students projects for solutions
- R&D
- Solutions and technical consultations

PPU Industrial Synergy Center



• **Entrepreneurship & Employability Trainings**

- Life skills training (PTS by IYF)
- Community based learning experiences – service learning
- General career guidance
- Entrepreneurship training for business (by IYF)

(Centre of Entrepreneurship and Career Development)



Academic entrepreneurship

- Individual courses for non business majors and a bachelor program in innovation and entrepreneurship

Academics



Business Competitions and events for entrepreneurs - Ibda' Company, Imagine Cup, STEP project, Students Innovation annual Conference – approaching

Extracurricular



- Enterprise Education Teaching Methods
- Curriculum and syllabus design
- Teaching and assessment methods
- Use of technology in teaching and learning
- Action research
- ETM training

PPU Teaching and Learning Excellence Center PPUCETL



Relevant 2017 Awards

- **First Golden Award of Mohammad Bin Rashid Al Maktoum Global Initiative for being the best Arab university that supports and incubates young business and entrepreneur leaders.**
- **The European Commission ETF First Award for the Entrepreneurship Key Competence in Entrepreneur Designed and Implemented Course.**
- **50+ Trained Staff on Entrepreneurial Teaching/Learning (ToT) in 2017**
- **17 Entrepreneur graduates with established businesses in 2017, 70% are female graduates and the businesses managed to employ 60+ employees.**



Measuring Transformation based on Maastricht University Score Board

An Entrepreneurial University	2015	2017	%Change
Leadership and Governance	2.8	4.6	64%
Institutional Capacity, Staff and Incentives	2.0	3.0	50%
Development of Entrepreneurship in Teaching and Learning	1.3	2.6	100%
Available Tracks for Entrepreneurs	2.4	3.0	25%
University Relations with Businesses & Knowledge Exchange	3.3	4.0	21%
Internationalization of Entrepreneurial University	1.8	3.4	89%
Measuring Impact on Entrepreneurial Transformation	1.0	1.9	90%
Average Score of Entrepreneurial Transformation	2.1	3.2	53%

The Entrepreneurship course #2

is a continuation of the requirements of entrepreneurship course #1 and is a need to address the problem of unemployment in the ever-growing labor market due to the lack of employment opportunities and the limited Palestinian market,

And prepare them at the theoretical and practical level not only to be able to establish their own projects in the future, but also to work productively in small and medium-sized enterprises, so the goal of the overall course is to contribute to the development of institutional culture in Palestine.

It uses student-centered learning methods through a range of everyday activities that adopt a set of modern learning strategies .

These students move step by step towards achieving the requirements of a pilot project.

The Entrepreneurship course (2)

Course Units

How do I find a good idea for an organization?

How do you organize your organization?

How to operate the organization?

Module content (titles)

Business Plan.

Generate ideas and sources.

Identify business opportunities and evaluate them.

Ways to enter the business world and assess the factors facing the establishment of an enterprise.

Legal forms of ownership of institutions.

Choose an appropriate market.

Module content (titles)

Choose the location of the organization.

Identify costs

Funds to establish an institution.

Get funds to create an organization.

Employment.

Sales management .

Dealing with suppliers.

Management of funds and interpretation of the conclusions of the enterprise business plan (break-even point).

Higher Council for Innovation and Excellence

Established in 2012

- Code of Values and Guidelines of the National Innovation System:

to promote the Palestinian innovation system document the best practices of creative work, on the path of institutionalizing this national system, and creating a professional framework that oversees the performance and relationship of the vehicles of this system.

- Innovation and Excellence Support Fund
- InnoPreneurs

Business Incubator

- Offers startup support services
- Monitoring and Coaching of startups
- Seed money
- Networking with business sector
- Incubation and pre-incubation services
- Training on Entrepreneurship, Creativity, and Innovation

شكراً لاهتمامكم

Thanks for Your Attention