Ministry of
Industry & Foreign Trade

LINKING INDUSTRIES TO UNIVERSITY EDUCATION AND YOUTH

Going Global 2014, MIAMI

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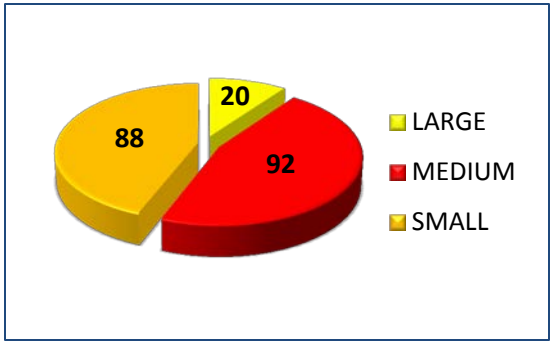
A Field Study On The Challenges And Problems Facing The Egyptian Industry

❖ Scope : Engineering Industries

Sample Size : 200



❖ Axes of The study

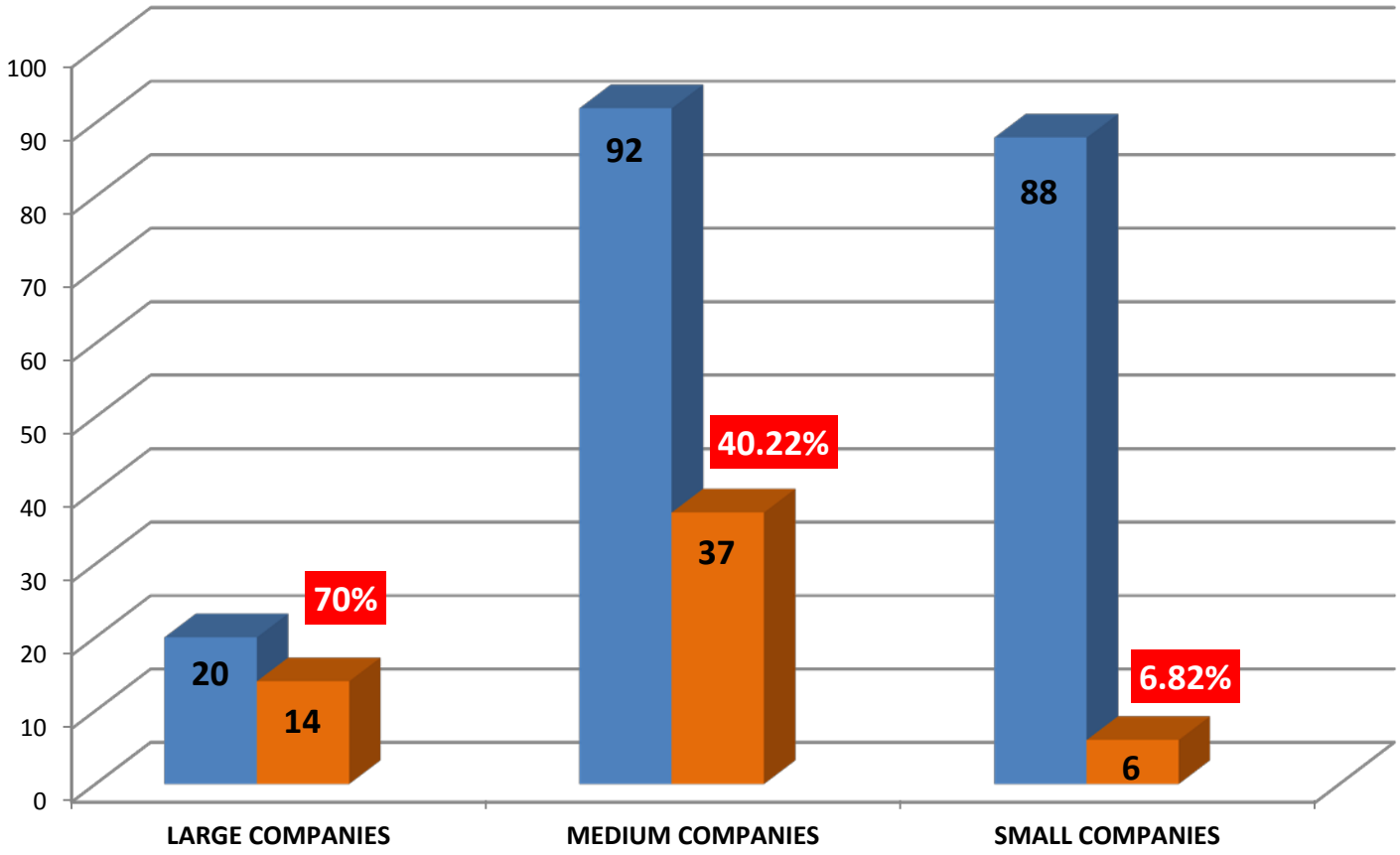
- The impact of scientific research in the development of Egyptian industry.
- Problems facing industries and the challenges of getting competitive products.

Problems

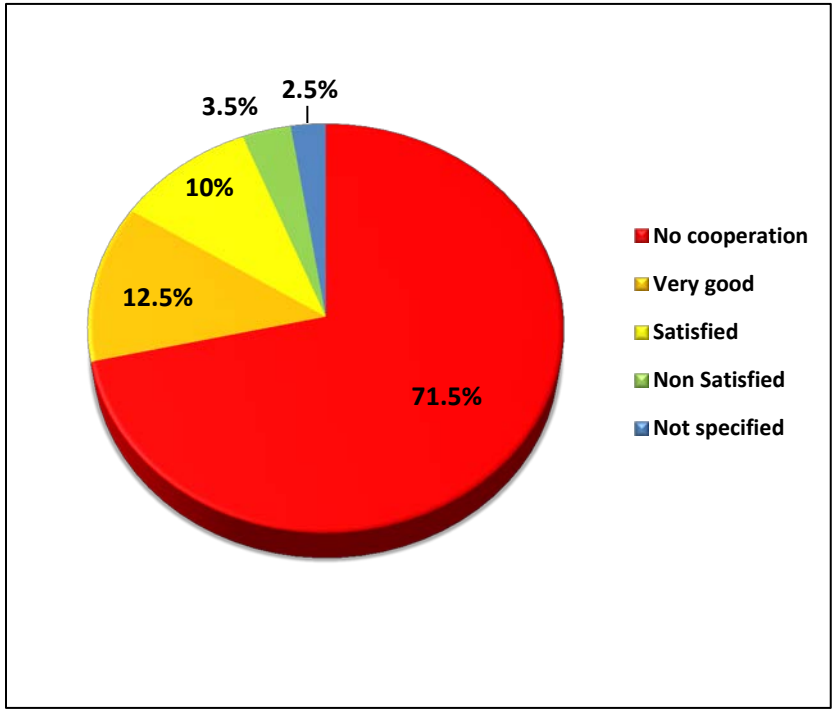
Challenges

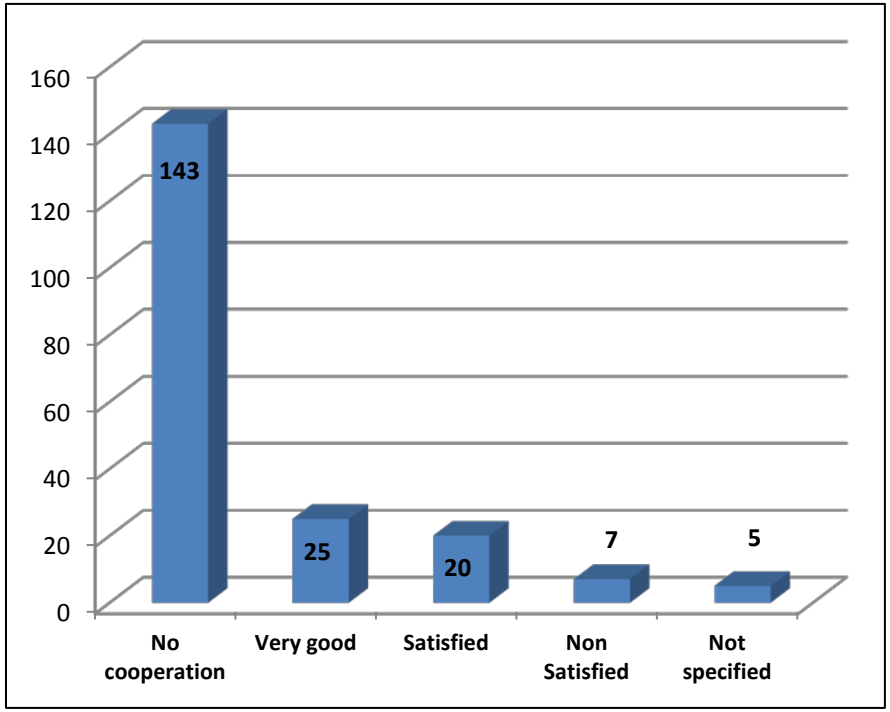
Needs

Do You Have A Section For Research And Development ?



Have You Ever Collaborated With University Research Centers ?





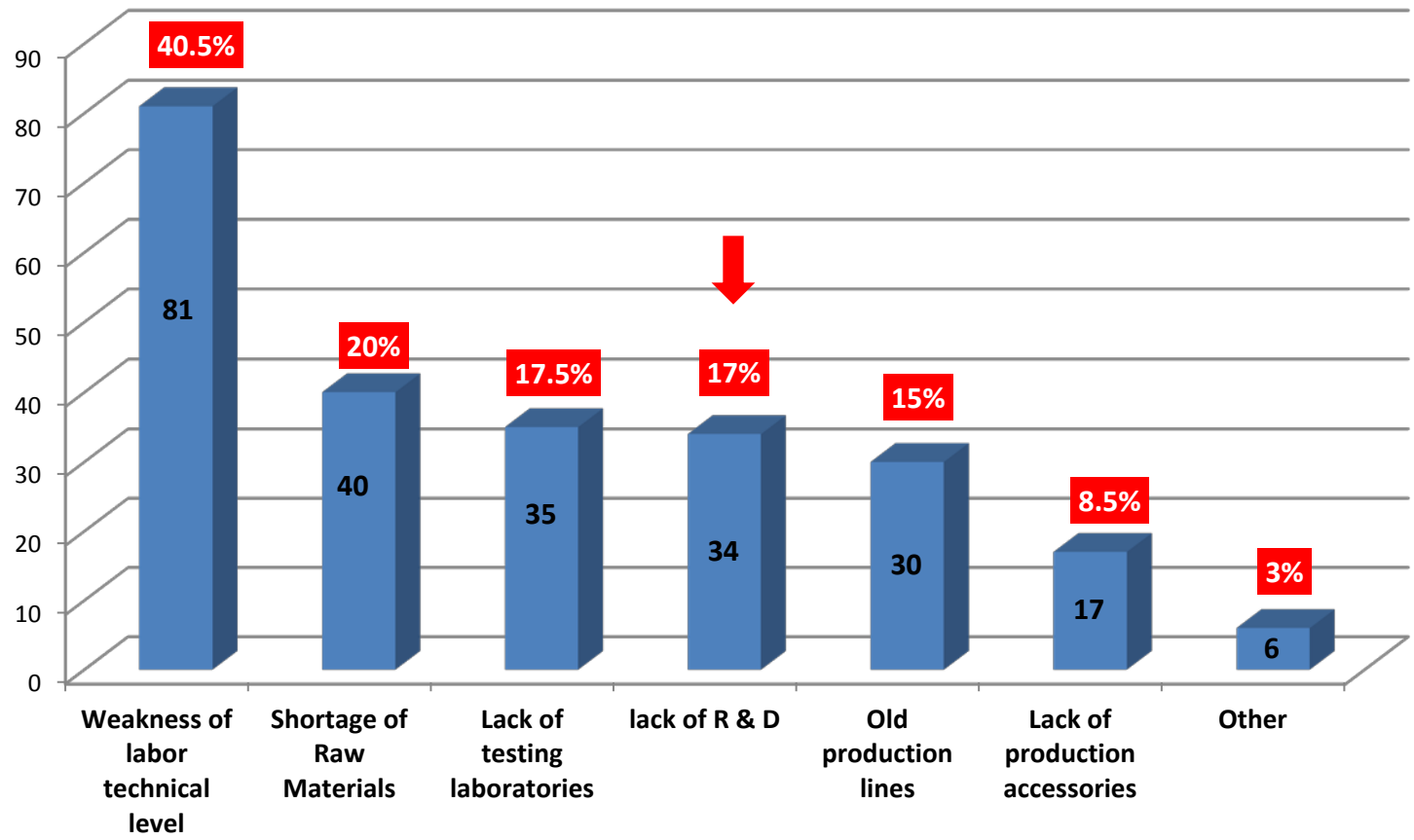
Level of satisfaction

Problems

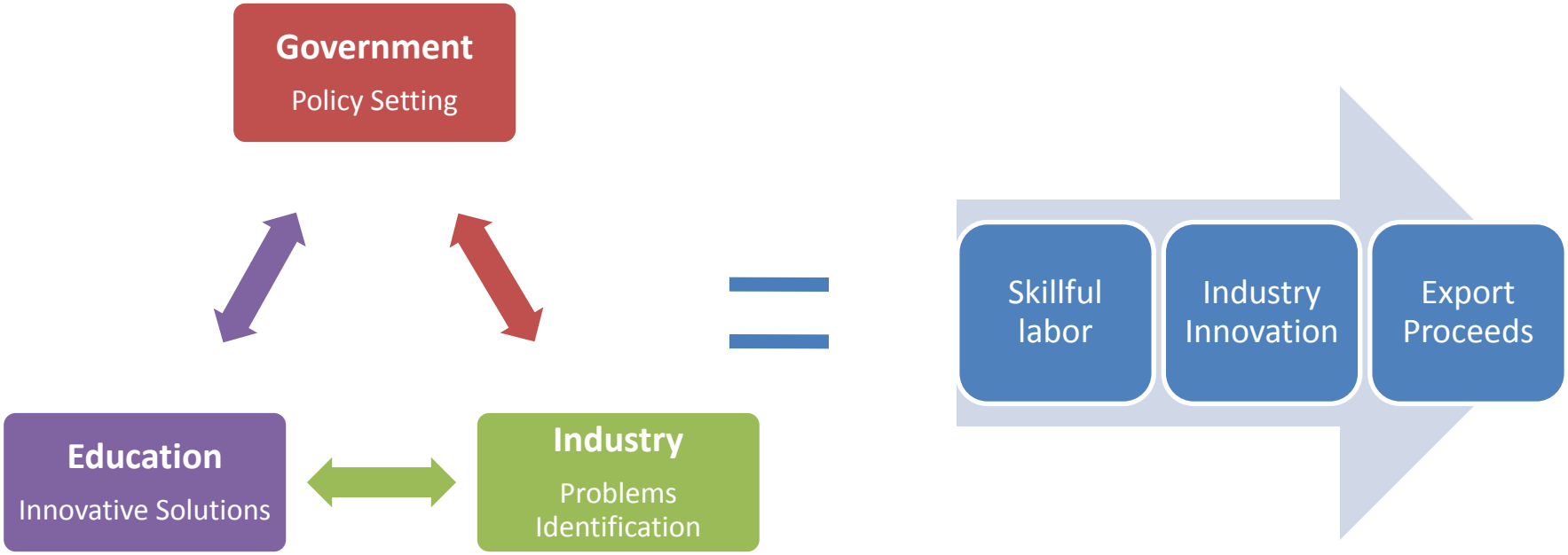
Challenges

Needs

Problems & Challenges

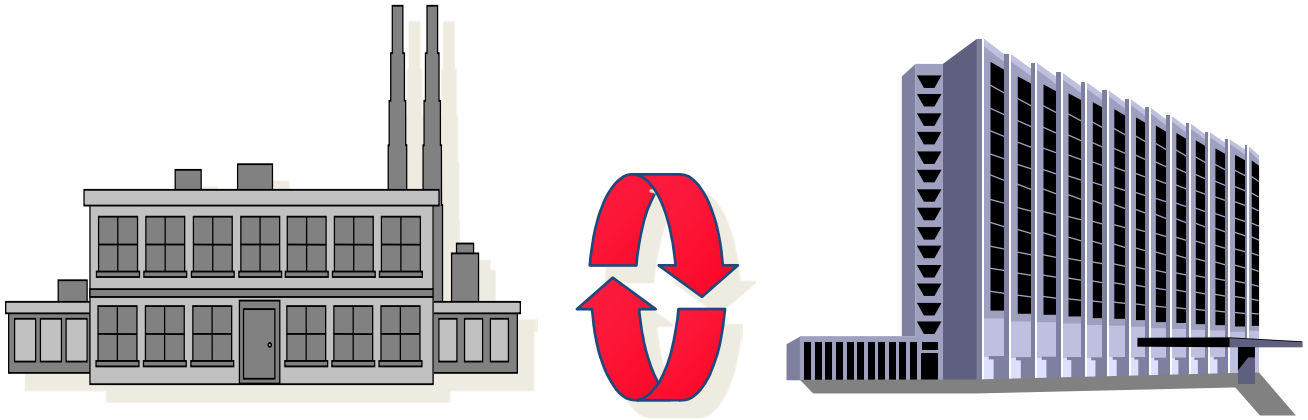


The Triple Helix Collaboration Model



Linking Industry to University Education Model is specified by…

- Alternating terms of theory into practice
- Adaptation of study contents to the requirements of industry
- Academic lecturers & lecturers from business & industries
- Bachelor thesis related to a practical work situation



Industry

University

Universities Labs Capacity Building

Universities Automation Training Initiative – MIFT/SIEMENS:

- Equipped 50 labs with the state-of-the-art technology in the automatic control system in 24 Universities in Egypt.
- More than 8000 students are trained each year.

Helwan University (Leather Section) – Chamber of Leather & Tanning Industry:

- Equipped 5 labs with the state-of-the-art technology in the leather manufacturing.
- Training the undergraduate students on shoes making, design, leather products and inspection lab.

INDustry - Academia Competition

INDAC Initiative – MIFT/SIEMENS:

- Aims to support in bridging the gap between academia and industry.

- Close the skill gap in the market to give the graduates the opportunity to get the first job easily in industry and meet the demand in industry.

- **Enhance the idea of practice, research and innovation as an effective tool:**
  - That is necessary to increase the competitiveness of the Egyptian industry.
  - To tackle problems facing Egyptian industry.
  - To connect students with the working environment.

INDAC Initiative

INDAC Outputs

- 22 University
- 8 Industrial Problems
- 4 environmental problems
- 81 Projects
- 310 Students
- 36 Jury member from the Industry
- 7 Winners
- 900 Attendees

Expected Impact of the Initiatives Conducted by MIFT

- Enhance Products Quality.
- Innovate New Products.
- Reduce Production Problems.
- Reduce Production Cost.
- Delivering Products Before Other Competitors To The Market.
- Increase Egypt Share In The World Trade Market.
- Building Expert Cadres In Engineering Design.

Thank you!

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