



Developments and Future Vocational Training Plans in Iraq The Possibilities for Cooperation with German Institutions and Education Providers

- **The Foundation of Technical Education (FTE) works to prepare technicians who have higher qualification levels capable of dealing with modern techniques that will fulfill the society requirements. FTE runs (27) technical institutes and (16) technical colleges contains (118) disciplines in the fields of engineering, health and medicine, administration, agriculture, informatics and applied arts. The number of students in those colleges and institutes are about (100000) in the morning and evening classes at levels of technical diploma, technical bachelor, technical higher diploma, technical master and technical Ph.D.**



➤ After events of 2003 which resulted the fall of the previous regime, the Iraqi government put the education system within its priorities and considered it to be one of the vital issues that need a comprehensive change in policies and implementation.

➤ Technical education contributes in promoting the economy, cooperates in the efforts of reconstruction of the country and reduces unemployment among young people. Therefore, the current technical educational system in Iraq should respond to the actual needs of labor market in a way that go along with the national development strategy in Iraq.



Challenges Faces the Technical and Vocational Education in Iraq





1. **The absence of unified strategy and clear vision among the institutions of technical and vocational education and training (TVET).**
2. **Weakness in coordination between TVET's institutions and labor market.**
3. **Weakness of the quality assurance system in educational and training process in TVET's institutions and private sector.**



4. Deterioration of scientific and technical development.

5. Lack of expert teaching and training staff.

6. Weakness of the private sector which is considered inexperienced according to international criteria as it started working after 2003.



The Importance of Technical Education in Iraq

1. It is considered to be one of the important bases of the educational system (48% of students go for technical education).
2. Contributes in promoting the economy.
3. Cooperates in the reconstruction efforts.
4. Reduces unemployment among young people.
5. Responds to the actual needs of labor market.





Procedures Needed for Developing Technical Education in Iraq

1. **Reconsidering legislations regarding the institutions of technical and vocational education and labor market.**
2. **Creating new financial systems and laws which contribute in developing technical education.**
3. **Implementing quality assurance criteria in the institutions of technical education.**



4. **Creating qualifying system for unemployed people and enabling them to be productive in society.**
5. **Improving the quality of education and learning through developing curricula and following modern teaching and training methods.**

Implementing these can be done by:

- 1. Improving the link between technical education system and labor market with emphasizing on labor market needs and creating a real partnership between stakeholders and technical institutions.**
- 2. Developing capacity building through developing the faculty and technicians and retraining trainers according to modern techniques which has been terminated during the previous 40 years.**
- 3. Providing modern lab. equipments and machines that are needed in workshops and laboratories so students can gain skills that qualifying them to develop and promote society.**

Fields of Cooperation Between Institutions of Technical and Vocational Education in Iraq and German Institutions



1. The project of training Iraqi technicians which was financed by German Cooperation Ministry BMZ and implemented in Egypt by German Agency for Technical Cooperation GTZ, from January 2004 to July 2011. Through this project, (156) modules and workshops have been held and (2362) participants have been trained. Those trainees trained other Iraqis through (625) modules and (5754) participants have been trained.



2. Having the assistance of the branches of the following German centers and companies located in Egypt for training (126) of Iraqi personnel:

German – Egyptian Welding Center	GEWC	45	Trainees
BOSCH Company	Bosch	60	Trainees
Mubark – COOL Training Center	GIZ	21	Trainees

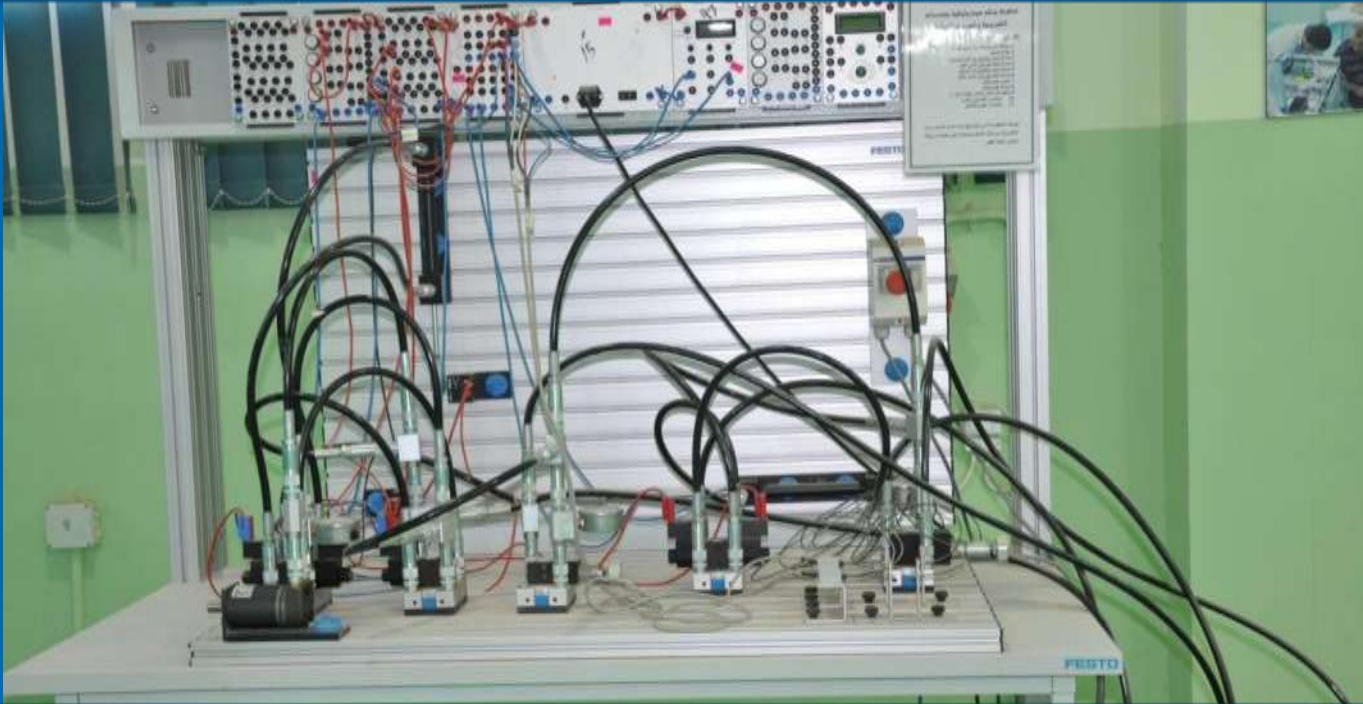
3. Training of 39 trainers in Karl Kolb's Company on CNC machines that are imported from this company.



4. Providing FTE colleges and institutes with many mechanical and electrical laboratory equipments and devices from the German Companies (FESTO, GUNTS, TAFISA, PHYWHEEL,...).
5. Adopting German experience by obtaining a group of equipments for training in technological specializations within UNISCO project for FTE.
6. Training of 23 teaching staff from FTE in Germany in the fields of laboratories' instruments, libraries, welding, computers, michatronics, electrical networks and teeth implantation.



7. Signing an memorandum of understanding between FTE and School VI of Technical University Berlin (TUB) for cooperation in the fields of architecture, civil engineering, energy engineering, geodesy and geoinformation sciences, water engineering and urban development.



8. The project of “Labor Market – An Oriented Development for the TVET in Iraq as a Contribution for Reconstruction of Iraq” which is financed by the German Ministry of Foreign Affairs from July 2011 to July 2012; and is implemented in Iraq by the German Agency for International Cooperation GIZ.

Future Visions and Cooperation Horizons



The Foundation of Technical Education in Iraq is considered to be the biggest institution of Higher Education in Iraq:

Student's number	2005 – 2006 2010 – 2011	= (53405) Students ≈ (100000) Students
Rate of submission comparing to the academic education	2005 – 2006 2010 – 2011	35 % 48 %
Number of technical colleges	2000 – 2001 2011 – 2012	9 16
Number of faculty	2005 – 2006 2011 – 2012	3305 4437
Number of technicians	2005 – 2006 2011 – 2012	3625 7526

This makes the Foundation of Technical Education in urgent need for cooperation with German institutions, training providers and companies in the following fields:

Qualifying the faculty and training personnel, developing their abilities and updating their knowledge through obtaining new information related to major.

Raising the quality of trainers performance through training them in a developed training sites (Factories, Workshops,...etc.).

Developing laboratories and workshops of FTE's Colleges and Institutes to join global technical developments through providing them with high technical machines, tools, equipments and modern techniques.

Creating investment opportunities for TVET in Iraq with German institutions and companies.

Qualifying FTE staff through obtaining scholarships and fellowships in German universities and institutions.

The German Companies and Institutions can contribute with what is mentioned before and it may considered to be a part of future horizons for cooperation with the (FTE) which will be the real investments for future of Iraq and Germany.

Thank you

