

# Field training as an approach to provide students with professional skills to carry out job tasks in furniture companies

## Gihan Ibrahim El-Degwy

Interior Design and Furniture Department - Faculty of Applied Arts- 6Oct University gihan.eldegwi@yahoo.com, gihan\_eldgwy.art@o6u.edu.eg

#### Abstract:

Enabling students to professional skills enhances their ability to adapt to labor market requirements within furniture companies, the educational system's ability to train students has become a major indicator for measuring its efficiency. the research problem arises in observing a gap between academic study and meeting labor market requirements, with students' weak professional skills, reflected in the graduate's weakness in performing job tasks in furniture companies. The research aims to benefit from field training to develop students' professional skills, to provide students with skills to implement job tasks within furniture companies. The research assumed that continuous communication for students of the Interior Design and Furniture Program with furniture factories throughout the year is a basic necessity to develop their professional skills and enhance their employment opportunities.

the research was based on the inductive approach and the quasi-experimental approach on a sample of program students who were trained within furniture companies over the course of 4 years. The research used the inferential analysis and the questionnaire tool.

The research was able to benefit from field training to develop students' professional skills, and contributed to supplying furniture companies with competencies that can perform the job tasks they need. The research confirmed that involving furniture factories in the educational process is an effective method to enhance students' awareness and develop their professional skills,

The study recommended extending the experiment to universities, organizing training courses for faculty staff within furniture companies to develop curricula and projects and link them to labor market requirements.

#### **Paper History:**

Paper received June 27, 2025, Accepted August 30, 2025, Published online November 1, 2025

### **Keywords:**

Students' Field Training, Professional skills, job tasks, Labor market, furniture companies.

#### References:

- 1- Al-Mazhaji, Muhammad Ahmad Salam. (2007). "The Impact of Technological Developments and Labor Market Requirements on Architectural Engineering Education." Architectural Engineering Department, Faculty of Engineering, Sana'a University, Yemen.
- 2- National Academic Standards. (January 2009). Applied Arts Colleges Sector, National Authority for Quality Assurance and Accreditation of Education, Arab Republic of Egypt.
- 3- Experts of the Arab Group for Training and Publishing. (2012). "Effective Training at Work." The Arab Group for Training and Publishing, First Edition, Cairo, Egypt.
- 4- Guide to Colleges and Institutes of Higher Education Accreditation. (2015). National Authority for Quality Assurance and Accreditation of Education, Arab Republic of Egypt, Third Edition, July.
- 5- Radwan, Mahmoud Abdel Fattah (Training and Administrative Development Expert). (2012). "Designing, Implementing and Evaluating the Training Program." Arab Group for Training and Publishing, First Edition, Cairo, Egypt.
- 6- Abdullahi M. (2010). Work skills required by lecturers of building technology for effective teaching in tertiary institutions in northwestern states. Unpublished M.Ed. Thesis, Federal University of Technology, Minna.
- 7- Houghton, T. (2005). Identification of Woodwork Trade in Technical and Vocational Education in Nigeria. Retrieved on 14-06-05 from http://www.nesault.ne/?id=16 1.
- 8- Jaafar Abdulhakeem Rajab, (APRIL, 2023). Skills Improvement Required OF Furniture Making Teachers for Maintaining Woodwork Equipment in Technical Colleges in Niger State, Department of Industrial and Technology Education School of Science and Technology Education Fedral University of Technology Minna, Niger State, 2016/1/62200TI,

- 9- J. L. Romero-Gázquez, G. Cañavate-Cruzado, M. V. Bueno-Delgado. (2022). "IN4WOOD: A Successful European Training Action of Industry 4.0 for Academia and Business," IEEE TRANSACTIONS ON EDUCATION, VOL. 65, NO. 2, MAY 2022.
- 10- https://www.scribd.com/document/639279777/Untitled#:~:text=vues10%20pages-,IN4WOOD%3A%20A%20Successful%20European%20Training%20Action%20of%20Industry%204. 0%20For,current%20adoption%20status%20of%20I4.
- 11- Julia Lange, Adam Majewski1, Marlena Wojnowska1. (2024). Encouraging training skills in the furniture and woodworking industries through an innovative simulation-based approach, Global Forest JournalVol.02, No.02(2024) 169–178.
- 12- https://talenta.usu.ac.id/gfj/article/view/16733
- 13- M. Rumignani, J. R. Fuentes, J. Solana. (2019). "Impacts of the digital transformation on the wood furniture industry". [Online]. Available: DIGIT-FUR-ENG-DIGIT.pdf.
- 14- Young-Choon Lee. (2009). Job Analysis for the Furniture Design Coordinator, Journal of Commodity Science and Technology 1998, 2009(2).
- 15- https://www.koreascience.kr/article/JAKO201016450103575.pdf
- 16- Young-Choon Lee, Rang-Ho Shin. (2010). Study on Customized Education through Job Analysis for the Department of Furniture Design, KFS Journal, Vol. 21(6), 2010.
- 17- https://koreascience.kr/article/JAKO201016450103575.page
- 18- https://www.proquest.com/openview/44bc8fb9efb9827590a4f0db57c5445b/1?pq-origsite=gscholar&cbl=18750 11-6-2025
- 19- Designdustry.org 2-7-2025
- 20- https://in4wood.eu/report-on-the-need-of-the-furniture-industry-regarding-industry-4-0-and-key-enabling-technologies/ 15-5-2025
- 21- "E-Skills and Jobs in the Digital Age".[Online]
- 22- Available:https://www.ifipnews.org/ict-professionals-skillsopportunities-challenges-2019-euupdate.[Accessed: Sep. 2021]. 29-6-2025

**CITATION** 

Gihan El-Degwy (2025), Field training as an approach to provide students with professional skills to carry out job tasks in furniture companies, International Design Journal, Vol. 15 No. 6, (November 2025) pp 205-221