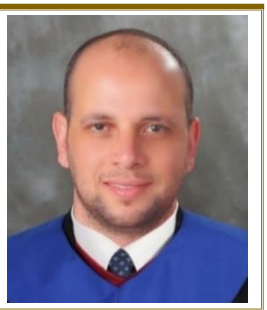

Name	Ahmed Fahim Elbarbary
Faculty Name	Applied Arts
Academic Rank	Associate Professor of Fashion Design
Terminal Degree & Date	Ph.D. in Applied Arts 2016
Awarding Institution	Helwan University, Cairo – Egypt
	Associate Professor at the Faculty of Applied Arts, Benha University, and Associate Professor at the Faculty of Arts and Design, Applied Science Private University.

- **SHORT BIOGRAPHY**

Prof. Ahmed Elbarbary specializes in fashion and accessories design, sustainable fashion, and digital pattern technologies. He began teaching in 2008 while also consulting for international fashion companies and garment factories in Egypt and the Middle East. Prof. Elbarbary built his career across academia and industry, serving at Helwan and Benha Universities in Egypt before joining the Faculty of Arts and Design at Applied Science University, Jordan, where he is currently Associate Professor and Head of Department. In addition to his academic degrees in applied arts and a Ph.D. in Fashion Design and Production (Helwan University, 2016), he holds a Certificate in Gerber Technology (Grading & Pattern Making Systems) and is proficient in CLO3D and Adobe Illustrator. He has supervised numerous postgraduate theses, published extensively on smart and virtual fashion, and contributed to curriculum development and quality assurance initiatives.

- **Academic Degrees**
  - Assoc. Prof., Fashion Design, 2022"
  - Ph.D. in Fashion Design & Production, Helwan University (2016)
  - M.A. in Applied Arts, Helwan University (2012)
  - B.A. in Applied Arts, Fashion Design, Helwan University (2008)

- **WORK HISTORY**
  - Associate Professor & Head, Fashion Design and Accessories Department, Faculty of Arts and Design, ASU University, Jordan 2025/ 2024 /2023.
  - Lecturer in the Department of Clothing and Fashion Technology, Faculty of Applied Arts, Benha University 2022 / 2016

- Assistant Lecturer, Department of Fashion Design, Faculty of Applied Arts, Benha University 2016 / 2013
- Assistant Lecturer, Department of Fashion Design, Faculty of Applied Arts, Beni Suef University 2013 / 2010
- Teaching Assistant, Department of Fashion Design, Faculty of Applied Arts, Beni Suef University 2010 / 2009

- **Community projects**
  - ITC country projects under GTEX/MENATEX 2 program.
  - Active Participant in the Erasmus+ Project

- **Training Courses**
  - Completed training on the My ASU electronic system2025
  - Training courses on the credit hour system at ASU (Applied Science University).2023
  - Training course on the Edu Gate system at ASU (Applied Science University).2023
  - Question Banks and E-Examinations
    Benha University (FLDC) – March 10–11, 2021
  - Digital Transformation (Word / OS / IT)
    Information Technology Unit, Benha University – May 27, 2021
  - Self-Assessment and External Review
    Benha University (FLDC) – July 8–9, 2020
  - Financial and Legal Aspects
    Benha University (FLDC) – July 8–9, 2020
  - Website Management
    Benha University (FLDC) – July 8–9, 2020
  - Strategic Planning
    Benha University (FLDC) – July 15–16, 2020
  - University Administration
    Benha University (FLDC) – July 26–27, 2020
  - Statistical Analysis using SPSS
    Benha University (ICTP) – June 16, 2020
  - University Teacher Preparation
    Benha University – February 15–20, 2014
  - I participated in a Workshop on Teaching Strategies and Skills, Benha University (2020).

- Completed a Communication Skills Course, Benha University (2020).
- Attended a University Administration Training Program, Benha University (2020).
- Participated in the International Publishing of Research Workshop, organized by EMERALD (2020).
- Attended a Workshop on Establishing an Internal Quality Assurance System, Benha University (2020).
- Participated in a Digital Library Training Workshop, Benha University (2019).
- Attended a Scientific Workshop on Modern Trends in Textile Technology, National Research Center – Cairo (2017).
- Participated in a Specialized Workshop on the Effects of Fabric Properties and Weaving Requirements on the Quality of Export Garments, Textile Industry Support Fund (2017).
- Delivered a Student-Centered Workshop on Activating University Email and Its Benefits, Faculty of Applied Arts (2017).
- Organized Scientific Conferences – Benha University (2015).
- Examination and Student Evaluation Systems – Benha University (2015).
- Using Technology in Teaching – Benha University (2015).
- International Scientific Publishing – Benha University (2015).
- Website Management – Benha University (2015).
- Preparing Competitive Research Project Proposals – Benha University (2012).
- Total Quality and its Application Methods – Benha University (2013).
- Self-Evaluation 2013 – Benha University, 2013
- Description of Courses and Programs 2013 – Benha University, 2013
- Higher Council E-Learning Courses (Internet, Excel, SPSS) – Benha University, 2016–2020
- E-Portal Usage Training – Benha University, 2013
- University Teacher Preparation – Benha University, 2013

- **Technical Experience**

- Chaired the technical committee for machinery inspection in the ready-made garments section, Faculty of Applied Arts, Benha University (2018–2019).
- Supervised the setup and development of Gozal women's clothing factory, Tenth District (2016).
- Consulted on the establishment of "For Women Just" factory in Obour City, creating operational systems and improving workforce efficiency (2015).

- Chaired the Technical and Financial Tender Committee, Faculty of Applied Arts, Benha University (2014).
- Participated in Beni Suef University's executive program for designing and producing university guards' uniforms (2009–2010).
- Supervised the establishment of ready-made garment workshops, Faculty of Applied Arts, Benha University, from construction to machinery installation and operation (2013).
- Fashion and knitwear consultant for German company Baronis, specializing in black garments (2008–2014).

Provided engineering consultancy to Nile Company, Shubra El-Kheima (2008).

- **Administrative Positions**

- Quality Unit Coordinator, Department of Clothing Technology and Fashion Faculty of Applied Arts, Benha University | 2019 – 2021
- Director of Management Information Systems Unit & Deputy Head of IT Unit Faculty of Applied Arts, Benha University | 2016 – 2020
- Coordinator of Teaching and Learning Standards at the Faculty Level Faculty of Applied Arts, Benha University | 2016 – 2018

- **Computer Skills**

- Advanced proficiency in Microsoft Office Suite: - Word, Excel, PowerPoint)

- **Fashion Pattern Design Software**

- Advanced proficiency in Investronic (garment pattern making)
- Skilled in Gemini (digital clothing pattern design)
- Proficient in Gerber AccuMark (professional pattern drafting & grading)
- Experienced in Marvelous Designer (3D garment visualization & simulation)
- Proficient in CLO 5.1 (3D fashion design & virtual prototyping)
- Skilled in Adobe Illustrator (2D fashion design

- **Academic Skills**

- Developed the academic curriculum, established fashion laboratories, and prepared accreditation files.
- Applied diverse teaching methods and resources to enhance student learning and presentations.
- Collaborated effectively with faculty and staff to improve institutional performance.
- Contributed to the department's marketing strategy.
- Guided students in academic matters to support course completion.
- Member of the Quality Assurance Unit and the Official Faculty Website Unit.

- supervised more than 15 master's and Ph.D. theses and co-supervised graduation projects.
- Member of the Examination Control Committee.
- Contributed to curriculum development at department and college levels.

- Built strong rapport with students to encourage engagement and academic progress.
- Designed and used effective teaching aids to support learning.
- Provided constructive feedback and implemented strategies to improve student outcomes.
- Supported students through regular office hours and academic advising.

- **PUBLICATION LIST**:
  - Ahmed, R., Ahmed, E., Elbarbary, A., Darwish, A., & Hassanein, A. E. (2025). Fashion Industry in the Age of Generative Artificial Intelligence and Metaverse: A systematic Review. arXiv preprint arXiv:2505.17141.
  - Elbarbary, A. (2025). Utilizing the Art of Decoupage to Enrich the Aesthetic and Visual Values of Fashion Design Considering Painting Figurated. International Design Journal, 15(4), 415-427.
  - Taha, W., Abdel Ghany, A. R., Elsheikh, A., Mahmoud, A. E. M., & Elbarbary, A. (2024). Designing Medical Protective Clothing Using Eco-Friendly Cotton Fabrics Treated with Silver Nanoparticles. مجلة العمارة و الفنون و العلوم الإنسانية, 9(48), 459-482.
  - Elbarbary, A. F., El-Mehy, E. Y. M., Mohammed Mahmoud Ahmed, D., & Mahran, H. A. A. A. A. (2024). Applying the SITAM Protocol in Fashion Design and Controlling the Industrial Engineering Model for Egyptian Garments. International Design Journal, 14(4), 131-145.
  - ELbarbary, A., & Soakr, S. (2024). Fashion Design for Animation and its Role in Preserving the Folklore. مجلة العمارة و الفنون و العلوم الإنسانية, 9(11), 168-184.
  - Gireesh, N., Basha, S. J., & Elbarbary, A. (2024). CNTFET-based digital arithmetic circuit designs in ternary logic with improved performance. e-Prime-Advances in Electrical Engineering, Electronics and Energy, 7, 100427.
  - Elbarbary, A., & Fauomy, H. (2023). Ultrasonic sewing of clothing accessories as an environmental approach to green manufacturing. International Design Journal, 13(6), 73-84.

- Elbarbary, A. (2021). Marketing fashion with display windows in stores using virtual simulation technology. Journal of Design Sciences and Applied Arts, 2(2), 271-280.
- Elbarbary, A. F. (2021). The Effect of Using Ultrasonic in Sewing Leather Garments. International Design Journal, 11(4), 347-358.
- Akl, H. E. S. A. E. F., HASSOUNA, A., & Elbarbary, A. (2021). The Khyamya as a source for Fashion Design by Draping in the Light of Demolition and Reconstruction. مجلة العمارة و الفنون و العلوم الإنسانية, 6(28), 355-382.
- Elbarbary, A., & Magdy, N. (2021). Utilizing of virtual simulation to fitting the industrial pattern, Prototyping section, in Garment Factories "Case Study". مجلة العمارة و الفنون و العلوم الإنسانية.
- جودة -, & Ahmed محمد. (2021). The effect of electronic thermal warm-up clothing on certain physiological variables of Boxers. International Design Journal, 11(1), 75-84.
- Elbarbary, A. (2020). Making use of the Egyptian craft identity as a requirement for sustainable development in the garment industry. مجلة العمارة و الفنون و العلوم الإنسانية, 5(23), 536-556.
- Ali, E., Teama, N., Kaytbay, S., & Elbarbary, A. (2020). Using Nanotechnology To Improve The Healthcare clothing Performance. مجلة العمارة و الفنون و العلوم الإنسانية, 5(24), 272-292.
- Ahmed Kamel, Shaimaa, Fahim El-Barbary, M.D./Ahmed, Mahmoud Abda El-Sheikh, El-Din Mohamed Gad, & Hossam. (2020). The Impact of Using Virtual Reality Technology on Improving Production Performance in Egyptian Ready-Made Garment Factories. Journal of Architecture, Arts & Humanities Sciences, 5(20), 99–119.
- Ahmed Kamel, S., Fahim Barbary, A., Mahmoud Abdo El Sheikh, A., & El Din Mohamed Gad, H. (2020). The impact of useing the virtual reality technology on improving production performance in garment factories Egyptian. مجلة العمارة و الفنون و العلوم الإنسانية, 5(20), 99-119.
- Mohamed Kamel, Shaimaa Ahmed, Mohamed Gad, Hossam El-Din, El-Barbary, Ahmed Fahim, ... & Ahmed Abdo. (2018). The Virtual Reality as a Source of Decision-Making in the Non-Typical Garment Factories in Egypt: A Case Study. The Scientific Journal of the Faculty of Specific Education – Menoufia University, 5(16, Part 1, October 2018), 439–464.

- Abd Elrahman, K., & Elbarbary, A. " Artistic and Aesthetic Values of Ancient Egyptian Civilization to Reveal Identity by Using Sportswear" Artistic Analytical Study.

- **Research Interests**
  - Application of artificial intelligence in fashion design
  - Electrical Engineering / Smart and technology-driven fashion
  - Inclusive and adaptive fashion design Sustainable fashion innovation.

- **TEACHING AREAS**
  - Design Fundamentals
  - Color Theories and Applications
  - Traditional Fashion Design
  - Digital Fashion Design
  - 2D and 3D Technical Drawing
  - Garment Pattern Making
  - Smart Fashion.
  - Nature of Materials
  - Research Methods.

- **MEMBERSHIPS**
  - Applied Arts Syndicate, Egypt (2008-present).

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- https://www.scopus.com/authid/detail.uri?authorId=58817089100

Google Scholar
- https://scholar.google.com/citations?user=QudnKGwAAAAJ&hl=ar

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I appreciate your time and consideration. I look forward to the opportunity to contribute my expertise in fashion and design education, research, and creative practice.