



Marwa Nosier Hamdan

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Information:

Birth date:
7 -12 – 1987

Marital Status:
Single

Nationality:
Egyptian

Gender:
Female

The profession:
Architectural
Engineer

Language Skills:

Arabic:
Native Language

English:
v. good

Education:

- obtained a bachelor's degree in Architecture & urban design from the Higher Institute of Engineering and Technology in El-Arish in 2010
(**Graduation Project City international conferences**) with degree excellence
- obtained a master's degree from the University of Cairo in 2012 (**Specializing in Design and environmental planning and energy efficiency**)
- obtained a DOCTOR OF PHILOSOPHY degree from the University of Cairo in 2017 (**Specializing in Design and environmental planning and energy efficiency**)
- obtained associate professor in the Higher Institute of Engineering and Technology in El-Arish in 2023

Work Experience

- Worked as lecturer at the Higher Institute of Engineering and Technology in El- Arish from 2010 – 2012.
- Worked as assistant professor at the High Institute of Engineering and Technology in El-Arish from 2012 – 2014 .
- Worked at faculty of architecture and design – Jizan university as assistant professor starting on 4 of February 2014 to 11 of august 2016.
- Worked as lecturer in the Department of Architecture at Sinai university in El Arish. (part-time)
- Now Lecturer in the Department of Architecture at the Higher Institute of Engineering and Technology in Arish. (full time)
- Head of the Architectural Department at the Higher Institute of Engineering and Technology in Arish from 2021 until now.

Skills:

Drawing and design.

Achieving goals

Full adjustment to work in a team work.

The ability to perform under pressure.

Enjoy a good ability to build constructive social relationships.

Creativity and innovation in the implementation of ideas and solve problems.

The art of persuasion and negotiation and analysis things.

Education and skills training

adaptation with the work environment

Attendance of Events:

- [1] First Forum of creativity and entrepreneurship.
- [2] Moral lecture entitled: A success story The King Abdullah University of Science.
- [3] the second scientific forum at Jizan university entitled: Optimization of tests and evaluation.
- [4] Member of the Committee on Coordination of the exhibition of the sixth scientific forum at Jizan university.
- [5] Practical schedule evaluation to support successful project completion.
- [6] Good knowledge of lighting that affects humanity and environment.
- [7] How do HVAC Eng'r utilize the technical specs & standards and Intl codes.
- [8] Engineering Relief.
- [9] Innovation & Challenges in Cities.
- [10] Exploring the life safety aspects at buildings.
- [11] Water conservative landscape Architecture practices.
- [12] Introduction to the living building challenge 4.0.
- [13] BIM and sustainable design – How BIM could be utilized for better sustainable design decisions.
- [14] Green Egypt: Vision and implementation.
- [15] Risk Management Threats & Opportunities.
- [16] How is prefab helping in development of innovative and quality buildings.
- [17] CO-design and community participation in the design process.
- [18] Understanding district energy's potential as a sustainable cooling solution in Egypt.
- [19] Sustainable future by master builders solutions: green sense concrete.
- [20] E-Procurement: technology serving the construction material purchases.
- [21] Understanding in depth about Egypt BIM code.
- [22] Towards A successful BIM implementation in Egypt construction industry.
- [23] Green building concepts and how to apply them in rationalizing water and energy.
- [24] Façade innovations using architectural concrete.
- [25] The digital and cultural shift in the construction industry.

Summer Training:

Aug 2007:

Trine in sinai
development
authority at
EL-Arish North
Sinai.

Aug 2008:

Trine in
Architecture
designer office
at North Sinai.

Aug 2009:

Trine in
Architecture
designer office
at North Sinai

Experience in Program:

- ☐ climate consultant
- ☐ Design Builder
- ☐ Ecotect
- ☐ AutoCAD (2d , 3d)
- ☐ 3dmax
- ☐ Photoshop
- ☐ Movie Maker
- ☐ IA (midjourney)

Courses:

- ☐ Construction method with earth bags
- ☐ professional certified trainer
- ☐ PV system and solar cells course
- ☐ Project Managment Essentials course
- ☐ Scientific research ethics
- ☐ Creative Thinking
- ☐ International Publishing of scientific Research
- ☐ uses technology in teaching
- ☐ Exams and Students Evaluation Systems
- ☐ Human Development in the secrets of success
- ☐ Change Management
- ☐ Management and behavior of the profession in the university work
- ☐ Technological development
- ☐ Strategic studies and national security
- ☐ Crisis Management
- ☐ Leadership technology
- ☐ Diploma in Arab Women Leaders
- ☐ Standards of quality in the educational process
- ☐ Managing the research team
- ☐ secret of success
- ☐ Methods of thinking and future studies

Interest

- ☐ Design program
- ☐ Simulation programs
- ☐ Environmental Design using sustainable development and green architecture

Published Papers:

- [1] [Is green low-cost house possible? Towards low energy – low cost house] www.ijemhs.com / publishing date: June 22,2016 / volume 22, issue 01.
- [2] [Low cost green building with low energy consumption - Towards use PP in external envelop] www.ijesonline.com / publishing date : august 23,2016 / volume 33, issue 01.
- [3] [Recycling Plastic in Building Construction Effectively Combats Climate Change and Protects the Environment] 2021 Design Engineering (Toronto) 2021(2):1365-1384.
- [4] [The Impact of COVID-19 on the Area and the Capability of Common Components in Public Buildings] February 2021Design Engineering (Toronto) 2021(2):1187-1213.
- [5] [Assessing the Efficacy of Treated Water when Utilized in Eco-Cities, as Well as the Effectiveness of Different Natural Materials in Recovering and Eliminating Phosphates from Wastewater] May 2021, Design Engineering (Toronto) 2021(4):2349 - 2367.
- [6] [Monitoring and evaluation of the implementation of the design requirements for the disabled in Faculty of People with Special Needs, Beni-Suef University] august 2021, Design Engineering (Toronto) Pages: 15992 - 16024.
- [7] [The effect of shape hollow block brick on the economy and the heat transfer coefficient] Volume 23 - Issue 12 – 2021 , Paper ID: JUSST/21/121043, D.O.I- 10.51201JUSST/21/121043.
- [8] [The mutual influence between human behaviors and needs with urban planning and character architecture] International Journal of Management, Technology And Engineering, 77-88 (2022).
- [9] [Controlling natural lighting in educational spaces and saving energy] Journal of Xi'an University of Architecture & Technology, 110-133 (2022).
- [10] [The Impact of Artificial Intelligence on the Visual Identity of North Sinai Governorate - Egypt] Journal of Xi'an University of Architecture & Technology, Volume XV, Issue 4, 2023.

Active Participation:

Organizing and lecturing a workshop about The basics of the work of architectural models with the practical application.

Member of the Committee on Coordination of the exhibition of the sixth scientific forum at Jizan university.

General Coordinator For the annual exhibition of the Department of Architecture at the Higher Institute of Engineering and Technology in El Arish.

Continuing cooperation and active participation with the Governor of North Sinai in projects related to the development of the Governorate.

Scientific Research:

Master Thesis:

Title:

Approach to the use of natural energies in local architecture design to achieve the goals of development as an input to the economic and social security.

(The study of development and improving urban environment Sinai Peninsula)

Doctor of philosophy Thesis:

Title:

Towards low cost green building with low energy consumption.

Case study: North Sinai El-Arish

Community participation:

- The design of Martyrs Square in front of the governorate building in 2019, and it was constructed and opened in 2020.
- Developing a design proposal to enhance the efficiency of the fountain in front of the Governorate building, and it was implemented in 2019.
- Creating a design proposal to improve and develop the Corniche in Al-Arish in 2020.
- Designing the mall Fish in the city of Al-Arish in 2021.
- Designing the Sinai Heritage Museum in 2021.
- Designing the Administrative government buildings complex in the city of Rafah in 2022.
- Designing the master Public Parking in Al-Arish in 2022.
- Creating a proposed design for the visual identity of the Governorate in 2022.
- Designing the Wholesale Market and Public Parking in Sheikh Zayed City in 2023.
- Developing a design proposal to enhance the façade of the Governorate building in 2023.
- Designing the entrance of Al-Arish city in 2023

Courses taught:

[1] Department of Architecture, The Higher Institute of Engineering and Technology in Al-Arish, Egypt: (2017-2023)

- ARC 101 Design Studio (1)
- ARC 102 Building Construction and Materials (1)
- ARC 103 History and Theories of Architecture (1)
- ARC 104 Visual Training and Studies (1)
- ARC 105 Design Studio (2)
- ARC 107 History and Theories of Architecture (2)
- ARC 108 Visual Training and Studies (2)
- ARC 201 Design Studio (3)
- ARC 203 History and Theories of Architectural (3)
- ARC 204 Visual Training and Studies (3)
- ARC 205 Environmental Control and Technical Installations (1)
- ARC 207 Design Studio (4)
- ARC 301 Design Studio (5)
- ARC 303 Urban Planning and Housing (1)
- ARC 304 Experimental Design
- ARC 305 Design Studio (6)
- ARC 307 History and Theories of Architecture (5)
- ARC 308 Urban Planning Housing (2)
- ARC 401 Design Studio (7)
- ARC 404 City Planning
- ARC 407 Landscape Design
- ARC 492 Project (2)

[2] Sinai University, Faculty of Engineering Sciences, Department of Architecture Engineering & Urban Planning: (2018-2019)

- Introduction of architecture
- Site planning
- Evaluation of cities
- Working 1

[3] Jizan University, Faculty of Design and Architecture, Department of Architecture: (2014-2016)

- Design studio for different levels.
- Fundamentals of Design and drawing 1
- Fundamentals of design and drawing 2
- Communication skills and creative thinking
- Elective Course (interior design).