

1. Name: Randa Hassan Mohamed Abdel Khalik, Professor, Department of Architectural Engineering, Higher Institute of Engineering, Elshorouk Academy.

2. Degrees:

- **1993** B.Sc. of Architecture, Faculty of Engineering, Ain Shams University, department of Architecture, Cairo, Egypt.
- **2002** M. Sc. (Architectural Engineering), Faculty of engineering, Ain Shams University, Department of Architecture, Cairo, Egypt.
- **2008** Ph. D. (Architectural Engineering), Faculty of Engineering, Helwan University, Department of Architecture, El Mattaria, Cairo, Egypt.

3. Years of Service on Faculty: 14 years

Employed as an Assistant Professor Since the academic year 2010-2011.

Course syllabuses taught:

- Architectural design; for the first, second, third and fourth levels for the students.
- The Final Graduation design project.
- Working details; for the fourth years' students.
- Principles of drawings and design; for the preparatory level.
- Visual and theories of color; for the preparatory, first and second level.
- Building construction; for the first and second level
- Environmental control; for the second level.
- Environmental design; for the third level.
- Interior design; for the third level.
- Urban design; for the fourth level.
- Urban and environmental conservation; for the fourth level.

4. Other Experience:

1st: Helwan University – Mattaria Branch – Department of Architectural Engineering

Position: Teaching Assistant then Asst. Lecturer.

Date of Employment: From October 1997 till 2008

Course syllabuses assist in or taught:

- Architectural design; for the first, second, third and fourth levels for the students.
- The Final Graduation design project.
- Working details; for the fourth years' students.

2nd: Helwan University – Mattaria Branch – Department of Architectural Engineering

Position: Assistant professor

Date of Employment: August 2008 till 2010

Course syllabuses taught:

- Working details; for the fourth years' students.
- Architectural design; for the third and fourth levels for the students.
- Space Formalization; for the third level.
- The Graduation design project.

3rd: Helwan University – faculty of applied art – Department of crafts and department of

Graphics

Position: Assistant Professor.

Course syllabuses taught:

- The accesses of art.
- Architecture.

4th: Mansoura University –Department of Architectural Engineering

Position: Teaching Assistant

Date of Employment: From 1996– 1997.

Course syllabuses taught:

- Working details; for the fourth, third years' students.
- Architectural design; for the fourth, third years' students.

5th: Teaching experience with credit hour systems; in various private universities collages, and higher education institutes in Egypt specially:

- o The Marian academy for engineering-at Port Saied branch.
- o The Modern Academy For Engineering and Technology
- o The academy of Teba For Engineering.
- o The M.T.I university.
- o The ERU university
- o The Higher institute of Technology and Engineering- the Asher of Ramadan city.
- o The Higher institute of Technology and Engineering- Giza, Tamoo.

5. Consulting Activities (selected)

1st: Civic department, for Dr. Deia El Din

August 1993-1994

Position: Designer

Projects participated in:

- Residential departments.
- Tourism cities in diverse locations.
- Villas in diverse locations

2nd: Architectural touch department, for Mr. Hashim El Mihdar February 1994-1995

Position: Designer

Projects participated in:

- Administration buildings.
- Tourism cities, specially Horizon city in Hurgada. (the designer of the master plan and the elevations)

3rd: Arc plan department ,for Dr. Mohamed Ayman Ashour

since June 2000

Position:Project manager

Sample of projects:

- New Cairo club in new Cairo city.

4th: Free interior designer

From 1997 till 2018

Projects participated in:

- Residential departments in El Madi and El Mokatam.
- Villas in diverse locations, especially in the Maadi, the new Cairo settlements,
- Restaurants just as a proposal in El Mohadsin district.

6. States in which registered:

- Cairo, Egypt.

7. Principal publications of last 5 years (selected):

- 1- Randa Hassan Mohamed , Gehan Ebrahim , 2019, **The smart architectural applications in the patient room**, The 8th international conference Building the future now – rights to better living, Architecture & contexts, the department of architecture, Faculty of Engineering, Cairo university.
- 2- Randa Hassan Mohamed , Gehan Ebrahim, Abeer Hassanin, 2029, **Innovative methodologies for keeping the authenticity of timber in the heritage realm**, publication and presentation in the third international conference of architecture and urban planning, " Architecture & UrbanA Smart Outlook". The conference is hosted by the faculty of engineering, Ain Shams University from 14th till 16th of October 2019 at Hilton Heliopolis, Cairo, Egypt.
- 3- Randa Hassan Mohamed, Gehan Ebrahim , 2020, **The Eco- Efficiency of Using Smart Masonry in the Rehabilitation Projects of the Heritage building** , MANSOURA ENGINEERING JOURNAL, (MEJ), VOL. 45, ISSUE 4, DECEMBER 2020
- 4- Gehan Ebrahim, Randa Hassan Mohamed , Houssam Bahgat, 2024, **The role of sustainable transparent materials in smart architecture** , Published in Engineering research Journal (ERJ), Faculty of Engineering, Mataria, Helwan University.
- 5- Randa Hassan Mohamed , Amna Abd El Hafeez ,2023, **The challenge of bio materials in the field of architecture through the scope of sustainability** , Presented in 6th International Conference on Engineering science “6 th ICES 2023-Feb is scheduled based on ANKARA time zone”.
- 6- Alaa M. Romiaa , Randa H. Mohamedb , Hussein Al-Shanwanyc, 2024, **Technological Systems Used in Integrating Natural and Artificial Lighting in Administrative Buildings to Achieve Global Sustainable Lighting Strategies**, The Egyptian International Journal of Engineering Sciences and Technology, DOI: 10.21608/ejest.2024.302209.1280

8. Scientific and professional societies of which a member:

- Member of the Egyptian Engineers Syndicate, and Egyptian Society of Engineers since 1993.
- Member of the architectural engineering association in Egypt since 1993.

9. Honors and awards:

- **2017** won a certificate of achievement silver category in the Green Pyramids Rating system in the Green Work ship House Competition (the design of sustainable mosque). Concerning the Housing & Building National Research center (HBRC) & Farouk ElBaz Center for Sustainability & Future Studies (FECSFS) in the British University in Egypt (BUE)

10. Institutional & professional service in last 5 years:

- Coordinator of the Department of Architectural Engineering, Higher Institute of Engineering, El shorouk Academy (2020-2022).

- Head of the research committee of the Department of Architectural Engineering, Higher Institute of Engineering, Shorouk Academy (since 2021 till now).
- Member of the research unit of The Higher Institute of Engineering, Shorouk Academy (since 2022 till now).

11. Professional Development Activities in the last 5 years:

- Attending many meetings, events, and conferences related to the field of architectural technology and sustainable design, as;
 - the third international conference on sustainability and the future, 6-8 March 2018, BUE, Cairo, Egypt.
 - 10- The first international conference on Sustainability, Environmental efficiency for Human being, 13-15 December 2018, in The JW Marriot, Cairo, Egypt.
 - The 8th international conference Building the future now – rights to better living, Architecture & contexts, the department of architecture, Faculty of Engineering, Cairo university, 2019
 - the third international conference of architecture and urban planning, " Architecture & Urban ...A Smart Outlook". The conference is hosted by the faculty of engineering, Ain Shams University from 14th till 16th of October 2019 at Hilton Heliopolis, Cairo, Egypt.
 - 6th International Conference on Engineering science “6 th ICES 2023- Feb is scheduled based on ANKARA time zone”
- Attending many trainings in the field of education quality (Specification of programs and courses and evaluation of learning outcomes for colleges and institutes of higher education - Self-evaluation of colleges and institutes of higher education - Preparing Course Specifications) at the National Authority for Quality Assurance and Accreditation of Education (NAQAA), Cairo, Egypt (2022 – 2023) and the administrative field (Leadership skills, and Credit Hours System) at Developing the Capabilities of Faculty Members and Leaders Center, Cairo University, Giza, Egypt (2021 – 2022).
- Achieving the honor to be one of the members of the revisors of the National Authority for Quality Assurance and Accreditation of Education (NAQAA), Cairo, Egypt.