

Dr. Azza Sobhi Ragab Alsaga

CV



Personality

ADDRESS **24 Elwafaa st – Elestad – Tanta - Egypt**
DATE OF BIRTH **17/06/1978.**
PLACE OF BIRTH **Egypt**
MARITAL STATUS **Married**
NATIONALITY **Egyptian**
CONTACTS **Tel 002 - 040 3572268**
Mob **002- 01202965379 – 01020308301**
E-mail **azza.elsaka@f-eng.tanta.edu.eg**
I own a car
I have a driving license

EDUCATION

First University **B.Sc. Engineering**
University **Tanta University**
Faculty **Engineering**
Major **Architecture**
Grade **Very Good With grade of honour**
Graduation Year **June 2000**
Graduation Project **Olympic Games Village**
Project Degree **Very Good**
First Language **Arabic (Excellent)**
Second Language **English (Very good)**
Computer Skills **AutoCAD 2007 (2D&3D)**
Sketch up
Photoshop CS
3D Max (Animation)
Swish Flash
Perfect working knowledge of MS Windows, Word, Excel,
Power point, Internet knowledge

POST GRADUATE STUDIES

Highest University **Master in Architecture**
Thesis Title **SCIENTIFIC AND TECHNOLOGICAL DEVELOPMENT AND
IT'S ROLE IN SHAPING THE FUTURE ARCHITECTURE**
Research Field **Architectural Principals of Design**
Grade **Excellent**
Year **2008**

Highest University **PhD in Architecture**
Thesis Title **SMART ARCHITECTURE BETWEEN THEORY AND APPLICATION (PROPOSED METHODOLOGY FOR SMART BUILDING EVALUATION IN EGYPT)**
Research Field **Architectural Principals of Design**
Grade **Excellent**
Year **2017**

Work Experience

Current Employments

Job Title **Associate Professor**
Employer **Faculty of Engineering**
Employer Country **Egypt**
From **30-8-2022**
To **Now**
Job description **Teach academic and vocational subjects to undergraduate Design, shade & Perspective, and working drawing Member of consulting engineering center in the Faculty of Engineering Supervision of some Thesis's postgraduates for Master degree.**

Courses list

Course Name	Architecture Design (4)
Class	4th year
Number of semesters	1st semester
Course Description	The course aims to enhancing the student s architectural thoughts through training on different design approaches . The course contains : Analytical study of design alternatives for public and residential projects , to reach architectural and urban forms & configurations together with the appropriate design alternatives to satisfy : design , functional , structural , visual , and environmental determinants ; applying the relevant building codes and regulations - The projects are to combine complex features and urban dimensions related to practice & local context , presentation will apply professional techniques and modeling .

Course Name	Shades-Shadows and perspectives
Class	1th year
Number of semesters	1st semester
Course Description	<p>The course aims to introduce the basic knowledge and information for architectural engineering students in order to:- Encourage teaching the student the most important principles and theories of Shades & Shadows and perspectives. Enhance and Improve the relation between studying shades and shadows, and on other hand the architectural design.</p> <p>The course contains : Study the shadows of spatial elements (points, lines, plans and forms), Perspectives basics; image plane, cone of vision, angle of vision, Vanishing points, inverse perspective, Computer applications.</p>

Course Name	Working Drawings & Construction Methods (a)
Class	3th year
Number of semesters	1st semester
Course Description	<p>The course aims to introduce the basic knowledge and information for architectural engineering students in order to:- Help to introduce the student to the main procedures and steps of formulating executive designs of buildings. Enhance large scale details covering different issues of previous studies, in an implementation plan.</p> <p>The course contains : Architectural drawings and details- structural elements- sanitation works and supply of potable water and technical installations.</p>

Course Name	Drawings, Quantities & Specifications
Class	4th year
Number of semesters	1st semester
Course Description	<p>The course aims to introduce the basic knowledge and information for architectural engineering students in order to:- Help to introduce the student to the main procedures and steps of formulating executive designs of buildings. Enhance large scale details covering different issues of previous studies, in an implementation plan.</p> <p>The course contains : General conditions , tenders and tender study, contract documents and payment certificates , quantity surveying on site measuring techniques – general specifications , materials and labour cost analysis .</p>

Course Name	Computer Applications in Architecture
Class	2nd year
Number of semesters	2nd semester
Course Description	Three-Dimensional Drawing: Introduction to the three-dimensional and three-dimensional drawing program - 3D exploration - Constructing three-dimensional rectangular surfaces - Surface understanding and user coordinate system - Surface modeling - Modeling with models - Previewing the 3D model - Using other programs specialized in architectural displays such as photoshop This is in addition to an application project that is a one-villa perspective This course contain: the principles of using the computer in architecture and the relationship between architecture and different programs and presenting the possibilities offered by these tools to present and produce the architectural idea.

A member of the Engineering Consultancy and Research Center of Faculty of Engineering , Tanta University.

Projects	Planning, landscape, Architectural Design for new campus of Tanta University Architectural Design, working drawing and preparation of estimates for projects assays for: <ul style="list-style-type: none">Engineering faculty in Tanta UniversityArts faculty in Tanta UniversityAgriculture faculty in Tanta UniversityCentral Theatres in Tanta UniversityEducational Hospital of Tanta UniversitySurgery Hospital of Tanta UniversityEmergency Hospital of Tanta UniversityPharmacy center in Tanta UniversityMain mosque of Tanta UniversityStudent services building in new campus of Tanta University Oversee the implementation of construction & buildings for: <ul style="list-style-type: none">Engineering faculty in Tanta UniversityEducational Hospital of Tanta UniversityRepair & redesign of main terraces in Faculty of medicineRepair & redesign of Electronic University in Tanta UniversityStaff club of Tanta UniversityPharmacy center in Tanta UniversityStudent services building in new campus of Tanta University
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List of Publications:

- 1- "المسكن الذكي أطروحة بين النظرية والتطبيق" المؤتمر الدولي الاول للعمارة – كلية الهندسة – جامعة مصر للعلوم والتكنولوجيا-الماضى والمستقبل فى العمارة فى القرن الواحد والعشرين – بالقاهرة – 15-16 ديسمبر 2010
وتم نشر البحث بكتاب المؤتمر.
- 2- "المسكن الذكى وتكنولوجيا المعلومات الرقمية" المؤتمر الدولي لتكنولوجيا المعلومات الرقمية 2012 -
The Conference of Digital Information Technology
جامعة الزرقاء- الزرقاء- الأردن- وتم نشر البحث بكتاب المؤتمر
- 3-(Methodology proposed towards the thought of compatibility with the Environment and preservation of Heritage), Third International Conference Hosted by The British University in Egypt, March 2018,
https://www.academia.edu/38882421/Methodology_proposed_towards_the_thought_of_compatibility_with_the_Environment_and_preservation_of_Heritage
- 4- "Smart house as an input to the application of technological development and rationalization of energy consumption in buildings and achieve sustainability", 3rd Memaryat International Conference Hosted by Effat University in Jeddah, March 2019, The research was published in the conference book.
- 5- "The Role of Architectural Design in Energy Consumption in Building in Egypt “ , 5th International Conference on Scientific Research ISR-2019 RENEWABLE ENERGY AND WATER SUSTAINABILITY Hosted by Tanta University, March 2019, The research was published in the conference book.
- 6-"A critical study of mechanisms for achieving social sustainability in traditional and contemporary urban structures", Third International Conference of Architecture and Urban Planning Hosted by Faculty of Engineering, Ain Shams University, March 2019 ,
https://www.researchgate.net/publication/349861175_A_critical_study_of_mechanisms_for_achieving_social_sustainability_in_traditional_and_contemporary_urban_structur
- 7- “ Smart heritage vocabularies achieve sustainability” ”, Engineering Research Journal , Faculty of Engineering , Tanta University , Fourth Issue-2020,
https://erjeng.journals.ekb.eg/article_125461.html
- 8-“ The effect of color and light on the interior residential spaces”, Engineering Research Journal , Faculty of Engineering , Tanta University , Volume I ,fifth Issue-2021
http://www.citeulike.org/posturl?url=https://erjeng.journals.ekb.eg/article_159393.html
- 9- The sustainable coastal tourism development of the heritage areas in Alexandria Case Study (Abu Mina Archaeological Zone , Qaitbay Citadel Area), Journal of Architecture, Arts and Humanities, Volume seventh - Issue thirty four- 2022, Search is being published.
- 10-“ The role of smart architecture in developing educational buildings To achieve the efficiency of the educational process in facing the Corona epidemic”, INTERNATIONAL JOURNAL OF ARCHITECTURAL ENGINEERING AND URBAN RESEARCH ISSN: 2785-9673- VOLUME 4, ISSUE 1, 2021, 148 – 164,
https://ijaer.journals.ekb.eg/article_186765_e0c29a73357b7bb36b1a83b99b9ff19d.pdf
- 11- “The role of building information modeling(BIM) in the development of architectural education , case study (the Environmental Architecture Program at Tanta University)”, Journal of Architecture, Arts and Humanities , Volume VIII - Issue 42,2023, Search is being published.
- 12-Smart House as An Input to the Application of Technological Development and Rationalization of Energy Consumption in Buildings and Achieve Sustainability-”, Engineering Research Journal , Faculty of Engineering , Mansoura University- 2022, Volume I - Issue 47,2022.
https://www.mendeley.com/import/?url=https://bfemu.journals.ekb.eg/article_218665.html
- 13- “Evaluating the Role of Contemporary Heritage Vocabulary in the Sustainability of Buildings”, Engineering Research Journal , Faculty of Engineering, tanta University- Volume I - Issue 6-2022.