

EMAN METWALLY AHMED

Egypt, Cairo, El Obour City.

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Career Objective

- Able to work on own initiative and a good player of a team. Have good ability to manage leadership skills involving managing, developing and motivating teams to achieve their objectives.
- To gain a challenging and rewarding position as an architectural engineer that will enable me to share knowledge on the methods, Design techniques, Working drawing, Urban design, Urban planning, Regional planning, Geographic Information System and principles of Architectural Engineering.

Educational curriculum

- Finished the degree of Ph.D. OF PHILOSOPHY, under the title of (**Using Urban Development Indicators to achieve Sustainable Regional Competitiveness (Suez Canal Development Axis)**) in February 2020, at Department of Architectural, Faculty of Engineering, Mattaria, Helwan University.
- Finished the degree of MASTERS OF PHILOSOPHY, under the title of (**Evaluate the strategic plans of the Sinai Peninsula using GIS technology, Case study of: International Coastal North Axis**) in September 2015, at Department of Architectural, Faculty of Engineering, Mattaria, Helwan University.

Qualification

B.Sc. Architecture engineering from El Sherouk Academy:

- Year of graduation: July 2011
- Graduation grade: Very good with honor (82.2 %)
- Graduation Project Name: Art & Architecture Academy
- Graduation Project Grade: Very good

Work experience

❖ **Operational Unit for Development Assistance (OUDA) and The Technical Unit for South Sinai Governorate**

- Founder and director of Urban Development Affairs and Head of the Urban Monitoring Unit to create:
 - Sustainable development indicators,
 - Citizen satisfaction indicators,
 - Tourist satisfaction indicators,
 - Bedouin indicators,
 - Employee satisfaction indicators.

At the level of the provincial cities as a whole, from February 2023 to June 2024.

- Member of the Green Sharm Project Committee in the governorate.
- Responsible for spatial information infrastructure in the governorate.
- Preparation of the current status database and review of studies on the basic structure of each of the Al Salam district of Abu Redis and the first quarter of Abu Zneima for the benefit of the Urban Development Fund.
- Participation in the Age-Friendly Cities Competition (May 2023): Sharm El Sheikh achieved third place worldwide in the competition held in Malta.
- Participation as an Internal Arbitrator in the Egypt Award for Government Excellence (Foundation Distinguished Award).
- Participation in the Presidential Bedouin Integration Project.
- Preparation and review of the geographical database of 9 provincial cities using GIS.

❖ **King Salman University (Sharm el-Sheikh Branch)**

- Assistant Professor (Urban sociology, GIS) from February 2023 to June 2023 Part-time.

❖ **South Sinai Government, Egypt**

- Urban Observatory Expert: Establishment of the basic database at the governorate level and a variety of cities including Sharm el-Sheikh, El Tour, Dahab and St. Catherine.

- Expert of urban planning: Map of Sharm el-Sheikh tourist destinations and land use map using GIS software from May 2022 to now, Part-time.

❖ **Urban Observatory of Al-Madinah Al-Munawara**

- Assisting a number of technical experts of the urban observatory in the Medina region and working on the preparation of some technical reports and working on the production of a set of indicators related to urban development and translation of some reports from Arabic to English and from English to Arabic. from January 2022 to October 2022, remotely.

❖ **Editorial Board Membership (EBM) in International Current Journal of Engineering and Science– ICJES, (online), International Open Access, Monthly, Peer Reviewed Journal, Published by ICJES, India. August 2022**

❖ **United Nation Volunteer, Roster Number – 0417032. May 2021**

❖ **Editorial Board Membership (EBM) in International Research Journal of Innovations in Engineering and Technology – IRJIET, Membership ID: EBM231124, ISSN: 0021 – 4232 (online), International Open Access, Monthly, Peer Reviewed Journal, Published by IRJIET, Tamilnadu, India. March 2021**

❖ **The Egyptian Urban Planning Association (Egyptian Society of Engineers)**

- Lecturer of GIS basic course for engineers in different departments (architecture, urban planning, civil and electricity) in the companies of GASCO, Enppi and Heliopolis Company for Housing and Development. **December 2020**

❖ **General organization for physical planning (GOPP)**

- Expert of urban planning, Geographic Information System (GIS) and Urban indicators with Statistical Package for the Social Sciences (SPSS) from September 2020 to now, Part-time.
- Assistant expert of urban planning from March 2015 to August 2020, Part-time.
- Urban planning engineer at **General organization for physical planning (GOPP), Operational Unit for Development Assistance (OUDA) and United Nations Development Program (UNDP)** from March 2015 to 2018, Part-time.

Working at the national project for the development of South Upper Egypt in Urban Observatory for the following city:

- El Mansoura city (Interview the officials, Preparing the report)
- Port said city (Survey, GIS working, SPSS working, Preparing the report)
- Bani swif city (GIS working, SPSS working, Preparing the report)
- El kharga city (GIS working, SPSS working, Preparing the report)

❖ **El Sherouk Academy, Faculty of Engineering, Architecture Department**

- Instructor (Urban design, Urban planning, Regional planning, GIS, Building, Design) from March 2012 to October 2015, Full-time.
- Teaching assistant (Urban design, Urban planning, Regional planning, GIS, Building, Design) from October 2015 to January 2020, Full-time.
- Lecturer (Urban planning, Regional planning, GIS, Urban design, Building, Landscape) from February 2020 to now, Full-time.

❖ **El Sherouk City Authority**

- Training The engineers of El Sherouk City Authority in using the GIS program.
- Participation in preparing the database for the city using the GIS.

❖ **Arab Academy for Science, Technology & Maritime Transport**

- Teaching assistant (Urban planning, Regional planning, GIS) from September 2018 to January 2019 Part-time.

❖ **Dr. Ahmed Ouf 's Engineering Consultant Office and Urban planning**

- Urban planning engineer **from August 2011 – Till Now, Part-time:**

Working at:

- Outline project for 18 villages in Qena Governorate of General organization for physical planning (GOPP)
- Outline project for 7 villages in Giza Governorate of General organization for physical planning (GOPP)
- Draft strategic plan for the number of 29 Ezbet in Fayoum Governorate of General organization for physical planning (GOPP).
- Participate in the preparation of working drawings and works exclusively building fish diseases Faculty of Veterinary Cairo University.
- Participate in the design and preparation of drawings residential buildings in New Cairo.
- Draft strategic plan for the number of 35 Ezbet in Qena Governorate of General organization for physical planning (GOPP).
- Participating in the GIS work of the Cairo Historical Project in cooperation with Cairo University and the Ministry of Antiquities.

Conferences and Publications

- Participate and won the awards of the most popular published paper under the title of (**Using the GIS as a tool for selecting the land use suitability with special reference to Sinai**) in the Academic Student's Award at Geomakani 2015 "Geospatial Technologies Conference" that held in Dusit Thani Lakeview, Cairo on May, 2015.
- Published a paper in the Arab Strategy for Housing and Sustainable Urban Development under the title of (**The trend towards sustainable urban transport in the Egyptian cities**) in December 2015.
- Published a paper in Arab Strategy for Housing and Sustainable Urban Development under the title of (**The development of new cities in Egypt towards Eco cities**) in December 2015.
- Published a paper in Journal of Engineering Research - Faculty of Engineering in Matareya - Helwan University under the title of (**GIS applications using the Binary Model in the development of the agricultural sector around the Northern costal axis**) in May 2016.
- Participate Geomakani 2016 "Geospatial Technologies Conference" that held in Royal Maxim Kempinski New Cairo on May, 2016.
- Published a paper at The 12th GIS Symposium in Imam Abdulrahman Bin Faisal University in Saudia Arabia under the title of (**Role of GIS in solid waste management in El Shorouk City - Egypt**) in April 2018.
- Published a paper in Journal of Engineering Research - Faculty of Engineering in Matareya - Helwan University under the title of (**The role of urban indicators in achieving sustainable cities and communities**) in November 2019.
- Published a paper in Journal of Engineering Research - Faculty of Engineering in Matareya - Helwan University under the title of (**The role of indicators in achieving urban competitiveness**) in November 2019.
- Published a paper in International Journal of Scientific & Engineering Research (IJSER) under the title of (**Using GIS Tools as a Mechanism to Achieve Concept of Sustainable Touristic marketing, With Special Reference to Egyptian Hajj Road**) in March 2020.
- Published a paper in International Journal of Scientific & Engineering

Research (IJSER) under the title of (**Study the suitability of open urban spaces in residential communities in El-Obour city**) in June 2021.

- Participate **Nature Research Academies workshop** (Grant Writing) in collaboration with Egyptian Knowledge Bank and Science and Technology Development Fund on 11 September 2022.
- Participate **Nature Research Academies workshop** (Research Methodology) in collaboration with Egyptian Knowledge Bank and Science and Technology Development Fund on 14 September 2022.
- Participate in **UNESCO WORLD HERITAGE CITY LAB – Urban Heritage Traditional Building Activities for Sustainable Development**, Cordoba, Spain, 12, 13 and 14 September 2022.
- Participate **Nature Research Academies workshop** (Writing A Research Paper) in collaboration with Egyptian Knowledge Bank and Science and Technology Development Fund on 25 September 2022.
- Published a paper in Journal of Architecture, Arts, and Humanistic Sciences (MJAF) issued by THE ARAB ASSOCIATION OF CIVILIZATION AND ISLAMIC ARTS under the title of (**Using GIS Techniques for Conference Tourism Management: A Case Study of World Youth Forum - Sharm El-Sheikh, Egypt**) in December 2022.
- Published a paper in Mansoura Engineering Journal (MEJ) under the title of (**The indicators of the smartness to assess Egypt's New Administrative Capital as a smart city**) in August 2023.
- Published a paper in Mansoura Engineering Journal (MEJ) under the title of (**A methodological framework for setting up the Urban observatory for informed cities (case study: El Tor city, South Sinai, Egypt)**) in November 2023.
- Participate **The 14th Corporate Social Responsibility (CSR) and Sustainable Development Forum** that held in Savoy, Sharm El sheikh city from 28th February to 2nd March, 2024.
- Published a paper in Ain Shams Engineering Journal (ASEJ) under the title of (**Assessing citizen satisfaction indicators for urban public services to enhance quality of life in Sharm el-Sheikh**) in April 2024.

Extracurricular Activities

- Passed with the third award in the final stage in the Age-Friendly Cities Competition in Malta by LivCom Awards (**The International Awards for Liveable Communities**) in May 2023.
- Passed with the second award in the final stage in the competition to prepare a plan of new city of Suez by General Authority for Regional Planning in cooperation with the Egyptian Engineers Syndicate in July 2015.
- Passed in the final stage in the competition to prepare a plan of new city of Ismailia General Authority for Regional Planning in cooperation with the Egyptian Engineers Syndicate in July 2015.
- Won the award of the green pyramid for the new city of Suez by General Authority for Regional Planning in cooperation with the Egyptian Engineers Syndicate in July 2015

Courses

- ESRI (GIS Basics - ArcGIS Pro Basics - GIS for Climate Action - Going Places with Spatial Analysis)
- Geographic Information System program (Arc GIS – Arc GIS pro - ArcGIS Enterprise – Survey 123 – Survey 123 connect)
- Statistical Package for the Social Sciences (SPSS 15.0)
- AUTOCAD (2D -3D)
- REVIT Program
- PHOTOSHOP Program
- MICROSOFT OFFICE SOFTWARE

Language Skills

- Arabic : Native Language
- English: Very Good

Computer Skills

- Using Operating Systems (WINDOWS 10, 8.1, WINDOWS 7, XP).
- Using different programs of OFFICE (2007-2010- 2013-2016).
- Making Search on the Internet with high efficiency progress.

Personal Skills

- Cooperating with the other members of the asset evaluation team and outside contractors, plan and executes G&G interpretation, description, characterization and geological modeling along established work flow. Prepares and arranges the project database and samples for the study.
- Team working, communication and presentation skills developed during group projects.

Personal Details

- Date of Birth : 14 October 1989.
- Nationality : Egyptian.
- Marital Status : Married.