

EMAN METWALLY AHMED

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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

❖ **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) 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 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 2020.

Extracurricular Activities

- 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

- Geographic Information System program (GIS 9.3- 10- 10.1 – 10.2.2 – 10.5)
- 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.