Lecturer /Assistant Professor of Architecture and Urban Design



Dr. Mohammad Farrag, Ph.D., M.Sc., PMP

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Current job: An assigned Lecturer at Al-Azhar University, Faculty of Engineering (Girls), Urban planning & Design Department.

Nationality: Egyptian

ACADEMIC DEGREES

- B.Sc, Al- Azhar University, Faculty Engineering, Urban Planning Dep., Egypt, 1999.
- M.Sc, Al- Azhar University, Faculty Engineering, Urban Planning Dep., Egypt.
- PhD, Al- Azhar University, Faculty Engineering, Urban Planning Dep., Egypt.

PRIMARY AREAS OF EXPERTISE IN TEACHING & RESEARCH

1. Architectural Design Studios (Through Interaction of Digital and Manual Media).
2. Urban Planning and Design
3. History and Theory of Planning.
4. Landscape Architectural.
5. Design Fundamentals (The Design Process, Conceptual Design, and Visual Design Thinking).
6. Computing Architecture (3D Modeling Systems).
7. Computer Aided Design (AutoCAD, 3ds max, and Virtual Reality).
8. Contemporary Vision of Islamic Architecture and Neighborhood Planning.
9. Building Science/Computation.

ACADEMIC EXPERIENCE

- Lecturer, Faculty of Faculty of Engineering, Al-Azhar University (Girls), Egypt, 2020 till Now.

PROFESSIONAL EXPERIENCE

Senior Architectural Engineer

AJ Group, Riyada, KSA
Nov., 2018 – 2019

Responsibilities:

- Revision of Shop Drawings include all drawings, diagrams, illustrations, schedules, catalog data, material certifications, fabrication procedures, storage and/or transportation procedures, test results, design calculations, etc.
- Check &Review for material submittal form and request for information
- Provide technical support to site supervision teams and resolve design related issues on site.
- Review the design specifications of buildings and plan work accordingly

Architecture Manager

Imar – Urban consultants, Najran, KSA
Jan., 2016 – Sep., 2018

Responsibilities:

- Lead a design group within the architecture team throughout the design stages.
- Preparing for design reports, design calculations, technical specifications, bills of quantities, etc.) And ensure the highest quality standards are met.
- Within the design group act as the project's design coordinator and contributes (fully or partially)to the overall design management activities
- Responsible for the integrated design delivery of projects throughout the entire project life cycle
- Ensure design excellence and delivery of project documentation to SSH quality procedures
- Responsible for BIM integration and development of innovative working methodologies
- Take initiatives to develop design manuals, standard design documents, presentations, etc.
- to increase efficiencies, knowledge and awareness across the wider architectural community
- Integrate aesthetics and functionality to improve overall efficiency of buildings
- Coordinate production of drawings, reports to a written programmed to ensure company targets are met for a controlled and cost-effective completion of project sites

Senior Architecture Engineer

Dar Alriyada Alomrania, for engineering, Jeddah, KSA
Apr. 2012 – Dec.2015

Responsibilities:

- Develop a thorough design philosophy, effectively contributing to the inception and the development of a project.

- Produce detailed scope of services for specialist sub-consultant.
- Lead the design work ensuring project objectives are met, design instructions are implemented, and delivery is achieved within the set time and budget.
- Responsible for the correctness, accuracy and complete multi-disciplinary coordination of the design documentation prepared by the assigned team.
- Coordinate and develop responses to review comments, tender queries, contractor's queries, etc.
- Responsible, with guidance from senior team members, for the preparation and compilation of design presentations and design reports.
- Actively pursue or has achieved professional accreditation and licensure.
- Responsible for coordinating QA/QC and review processes on each project responsible for.

Senior Architect - Principal Urban Designer

Dar Al - Al-Mashoura for engineering consultation, Riyadh, KSA
Dec. 2009 – Feb. 2012

Responsibilities:

- Review existing plans and analyze urban design issues at varies levels as required (i.e. city scale, neighborhood and lot level) and make recommendations as necessary. Producing detailed drawings
- Develop and deliver presentations to working groups, co-workers and senior management as required
- Review and assess developer proposals for compliance with the client regulatory planning compliance.
- Prepare Technical Scope of Work packages for planning and urban design packages.
- Perform any related urban design task as assigned by the Director.
- provide input on urban design issues specific to zoning compliance and planning standards regulations

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Senior Architect

Architecture design House, Cairo, Egypt.
Apr., 2006 – Nov., 2009

Responsibilities:

- Responsible for concept design review and detailed design review.
- Prepare the executing drawing and Architectural details
- Develop from conceptual Design to construction, commissioning, and the coordination between structure and other disciplines of Engineering. Workshop drawings review and making design decisions and recommendations based on experience.
- Develop a thorough design philosophy, effectively contributing to the inception and the development of a project.
- Responsible for the integrated design delivery of projects throughout the entire project life cycle

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Architecture Engineer

Howeedy Consultant, Cairo, Egypt
Jan., 2005 – Mar., 2006

Responsibilities:

- Production of CADD drawings and other programs design.
- Works with architectural, interior, and other engineering disciplines in the coordination of the project under the direction of a senior engineer.

Architecture Engineer

Eskanta for Housing & Construction, Cairo, Egypt
Dec. 2000– Mar. 2004

Responsibilities:

- Preparing and presenting design proposals to the management
- Producing detailed drawings
- Negotiating with contractors and other professionals
- Attending regular meetings with clients, contractors and other specialists
- Co-coordinating the work of contractors

COMPLETE PROJECTS

- Development and Improvement of the Streets In Abha City,KSA.
- Chinese school, Riyadh, KSA.
- Forty garden and park in different locations, Najran, KSA
- Abo-Rashash park extension, Najran, KSA.
- The horsemanship club, Najran, KSA.
- Bird market, Najran, KSA.
- Pedestrian bridge model, Najran, KSA.
- Public toilet models, Najran, KSA.
- Slaughter house models, Najran, KSA.
- Sculptural Models and cultural landmarks park, Najran, KSA.
- King Khalid University campus (KKU), Bisha, KSA.
- Nurses Housing Buildings (KKU), Abha, KSA.
- The Charity Building (KKU), Bisha, KSA.
- Aircraft Maintenance Hangars for (KAIA), Jeddah, KSA
- Government lands, Wadi al Dwasir, KSA.
- Quraini planning, Riyadh, KSA.
- Alguhaimi planning, Riyadh, KSA.
- Andalus area planning, Riyadh, KSA.
- New Hotel, Mecca, KSA.
- Al Ghafees Hotel, Riyadh, KSA.
- Abu Kamal Restaurant, Riyadh, KSA.
- Colleges of future leaders, Riyadh, KSA.
- Alzeghebi Shopping center, Riyadh, KSA.
- Swan El Ghaba Tower , Alkartom , El Sudan
- Residential Rally - Investors Area, Cairo, Egypt.
- Residential building - Magico Company, Cairo, Egypt.
- Residential building - El Thawra St. – Heliopolis, Cairo, Egypt.
- Housing Villa - The City of Sheikh Zayed – 6 Oct. City, Cairo, Egypt.
- Residential Building 224 - Arabella - New Cairo, Egypt.
- Residential Building - Block No. (18014) - El Opour City, Egypt.
- Swan Lake Compound - New Cairo, Egypt.
- Nestle Egypt Factory – 6 October, Egypt.
- Warehouse Building – Juhayna Factory - 6 October, Egypt.

- Production Building – Juhayna Factory - 6 October, Egypt.
- GMS Offices Relocation-Glaxo Smithkline- El Salam City, Egypt.
- Kitchen & restaurant Building -Glaxo Smithkline- El Salam City, Egypt.
- Production Building No.20 – Novartis Farma Factory- 6 October, Egypt.
- Packing Warehouse Building – Alkan farma Factory - 6 October, Egypt.
- Extension Warehouse Building- Group Schneider factory -10 Ramadan City, Egypt.
- Egyptian Central Bank - Asyut, Egypt.
- National Egyptian Bank - Nag Hammadi, Egypt.
- Building Vodafone - Smart villages, Egypt.
- Youth Center Neighboring Eighth, 15 May City, Egypt.
- Bihnabay School – El Zagazig, Egypt.

QUALIFICATION AND SKILLS

- Experience in material, RFI, shop drawings, site activities, technical details, etc.
- Analyze building codes, by-laws, space and site requirements, and other technical documents and reports to determine their effect on architectural and civil designs.
- Coordinate structural, electrical, and mechanical designs, and determine a method of presentation to graphically represent building plans.
- Providing landscape architectural guidance, calculations, analysis, studies and recommendations for a specialized segment of the Architectural Discipline within the schedules and budget of an assigned projects
- Initiating and developing architectural engineering assessments and conducting gap analysis on applicable codes, and design criteria established
- Vast experience in planning and design of large scale complex mixed use master plans and urban development projects
- Performs product research; assists project designers and project architects with materials selection and system research. And select technical reference data pertinent to a project.
- Knowledgeable in preparing Technical Specifications, Scope of Work Descriptions and Design Basis Report / Site Design Analysis Report.
- Knowledge in preparation of Request for Proposal (RFP) documents.
- Review Sub-consultant/Sub-contractor Design drawings, specifications, calculations in coordination to the main design.
- Review Vendor’s Shop drawings, materials and equipment Submittal.
- Perform field inspection and provides professional support field support if necessary (as contract required) during construction work.
- Aware of preparation of man hours estimates ensure all works and activities to be completed within the budgeted man-hours and ensure that the works is completed to the agreed schedule.
- Prepares 2D design drawings and 3D presentation.
- Performs routine tasks under general supervision using well-defined standards and procedures.
- Coordinates design with other engineering discipline.
- Ability to work collaboratively and independently as appropriate in workplace environment.
- Can handle Group of Designer and cad operators.
- Prepare the final submittal drawings and submittal review.

Publications

- Eng. / Mohamad F. A. Fayad and Dr. / Aly A. A. El-Bealy, 2014, Policies and methods of dealing with historic districts and value, Paper accepted for publication in the Journal of Al-Azhar University Engineering Sector (JAUES), Vol. 6, No. 1

- Eng. / Mohamad F. A. Fayad and Dr. / Aly A. A. El-Bealy , 2015, The Importance of Energy Efficiency for Sustainable Urbanism (The Chine se Experience) ,International Journal of Scientific Research in Agricultural Sciences, 2(Proceedings), pp. 025-039, 2015

- Mohamad F. A. Fayad, Eng. /Alaa El Din E.A. Morgan and Aly A. A. El-Bealy, 2015, Transformation toward Renewable Energy Systems in Urban Areas: (Challenge s and Strategies), International Journal of Scientific Research in Agricultural Sciences, 2(Proceedings), pp. 040-056, 2015

- Mohamad F. A. Fayad , 2016, Transition management as a governance tool for city transition toward sustainability, The Sixth International Conference of the Arab Union for Sustainable Development and the Environment in collaboration with the Institute of Environmental Studies, 8-10 May,2016

- Mohamad farrag Fayad, 2019, toward a paradigm in managing sustainable urban transition for the Egyptian cities, International Journal of Engineering & Technology IJET-IJENS Vol: 20 No: 02, 200702-3535-IJET-IJENS © April 2020 IJENS.

- Mohamad farrag Fayad , 2020, Transition governance as a model for city transformation toward sustainable future, 13th International Conference on Civil and Architecture Engineering, ICCAE-13-2020, Proceedings of the 13th ICCAE-13 Conference, 7-9July, 2020,Military Technical College Kobry El-Kobbah, Cairo, Egypt.

- Mohamad farrag Fayad, 2020, Managing of city transition toward sustainable Eco urbanism (Proposed paradigm). 13th International Conference on Civil and Architecture Engineering, ICCAE-13-2020, Proceedings of the 13th ICCAE-13 Conference, 7-9July, 2020, Military Technical College Kobry El-Kobbah, Cairo, Egypt.

- Mohamad farrag Fayad, 2020, Managing of Renewable Energy Transformations in Egypt , The 10th International Conference of the Arab Union for Sustainable Development and Environment, International Journal of Scientific Research and Sustainable Development ,Cairo, Egypt.

Thank You for Your Interest
Dr.Mohamad Fayad.