

2024

**Curriculum Vitae submitted to the Permanent
Scientific Committee for Architecture and Planning
(Professor)**

Henar Aboelmaged Ahmed kalefa

**Associated Professor – Architectural Department –
Faculty of engineering- October 6 University**

Curriculum Vitae

Basic Data

Basic Data	
Name	Henar Abo el-Maged Ahmed Kalefa
Date of Birth	30/12/1979
Nationality	Egyptian
Phone	22743504/ 01222617577
Email	eng.henar@hotmail.co.uk
University	6th of October
College	Engineering
section	Architecture

Degrees:

Degrees				
1.	Bachelor	Architecture		
	University:	Cairo	Date	7/2001
2.	Pre-Masters	Architecture in urban development		
	university	Cairo	Date	7/2002
3.	Masters	Architecture in urban development		
	Title : Designing urban spaces to achieve thermal comfort using modern climate control technologies			
	university	Cairo	Date	1/2004
	General Specialization	Urban Development	Specialization	Environmental Design
4.	Phd	Architecture in urban development		
	Titled : Employing vegetation cover to improve the design of urban spaces In the semi-desert range for thermal comfort			
	university	Cairo	Date	12/2008
	General Specialization	Urban Development	Specialization	Environmental Design
5.	Associated professor			
	Organization	the Supreme Council of Universities	Date	11/2018
	General Specialization	Environmental Design and control	Specialization	Sustainable Design and Environmental Control

Career Progression

Period		Job place
1.	2004/2009	Member of the Quality Unit at the Faculty of Engineering, October 6 University
2.	From 2013/2017	Director of the Quality Unit at the Faculty of Engineering, University 6
3.	From 9/2001 to 2002	Teaching Assistant at the Department of Architecture, October 6 University
4.	From 2002/2004	Teaching Assistant at the Department of Architecture, October 6 University
5.	From 2004/2009	Assistant Lecturer appointed in the Department of Architecture, October 6 University
6.	From 2009 till now	lecturer in the Department of Architecture, October 6 University
7.	From 2018 till now	Associated Professor in the Department of Architecture, October 6 University
8.	From 2019 till now	Vice Dean of the Faculty for Community Service and Environmental Development Affairs
9.	From 2009/2011	Part Time in the Department of Architecture, Higher Institute of Engineering in Tamoh
10.	From 2012/2017	Part Time in the Department of Architecture Pyramids Higher Institute of Engineering
11.	From 2017/2018	Part Time in the Department of Architecture, Sinai University
12.	From 2018/2021	Part Time in the Department of Architecture, Higher Institute of Engineering and Technology

Courses Taught

Courses I taught as a assistant teacher

1.	Architectural Design
2.	Architectural construction
3.	Urban Design
4.	Visual Training
5.	Environmental Control
6.	Graduation Project

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Courses I taught as a doctor	
1.	Skills, visual studies and architectural formation (lead, ink and colors)
2.	Urban upgrading
3.	Interior Design
4.	Environmental Control
5.	Environmental Design & Energy
6.	Architectural Design
7.	Architectural construction
8.	Graduation Project

Scientific Activity

	Place	Vol.	Title
1.	Engineering Research Journal	118(August 2008) AA28-AA43	The effect of the vegetative element on the climatic and urban determinants in the semi-desert region
2.	The first annual conference of the Quality Assurance Center at 6th of October University	No. 1, second edition	Self-evaluation in the quality of architectural education Experience of the Department of Architecture - Faculty of Engineering - October 6 University
3.	The conference the future of gated communities " towards sustainable urban development	National Center for Housing and Building Research 2013	Towards preserving the identity of closed urban communities











4.	Scientific Journal of 6th of October University	No. 2, Second Edition.	Electoral propaganda between political necessity and urban distortion
5.	Engineering Research Journal	155(September 2017) AA28-AA43	The Impact of Integration of New Technology in Insulation Material: Phase Change Material (PCM) as Insulation Material on Thermal Comfort in Residential Buildings Compared to Traditional Material.
6.	International Journal of Current Engineering and Technology	/Vol.8 ,No3. (May/June 2018)	Sustainability of university buildings through building standards (LEED) and how to be achieved.
7.	Journal of AL Azhar University Engineering Sector,.	June ,2018	The role of the applications of sustainability .principles to reach a balance between technology and the environment
8.	Journal of Engineering and Applied Science, Faculty of Engineering, Cairo University	Vol. 65, No. 3, June 2018	The Role of Sustainable Maintenance to Ensure Sustainability of the Urban Spaces Heritage
9.	Journal of AL Azhar University Engineering Sector		Maintenance and reuse of heritage buildings in historic Cairo
10.	International Journal of Current Engineering and Technology	Vol.8, No.4 (july/aug-2018)	Roof gardens in Egypt: fact or architectural fiction
11.	Engineering and Scientific Research Journal Faculty of Eng. Shoubra	July 2018	Ancient Egyptian Houses: Flexible Design to Achieve Its Function with Different Factors.
12.	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET),	Volume 9, Issue 8, August 2020	Evaluation of 3D Printing Technology in Rapid Build Processes For slums and affected areas.
13.	The Open Construction & Building Technology Journal	Volume 15, Issue Number 02, September 2021	Low and High Technology Approaches for NZEB in Egypt.
14.	International Journal of Architectural Engineering and Urban Research	Vol. 4, Issue 2, December, 2021	Enhancing Natural Ventilation in Low-Rise Residential Buildings in Egypt through Solar Chimney Application

15.	journal of Design Engineering in Current	Issue9, Year 2021	Framework of Operation and Management System by ISO 9001 to Improve Building Performance
16.	International Journal of Architectural Engineering and Urban Research	Vol. 4, Issue 2, December, 2021	Enhancing Natural Ventilation in Low-Rise Residential Buildings in Egypt through Solar Chimney Application
17.	Journal of Positive School Psychology	ISSN 2717-7564.,2022	Smart Prisons and the Ability to Achieve Goals and Standards of the Facility in Terms of Raising Its Humanitarian and Security Efficiency
18.	International Journal of Mechanical Engineering	14 Dec 2022	The Impact of Nanotechnology on Exterior and Interior Finishing Materials in Hospitals.
19.	International Journal of Mechanical Engineering	28December 2022	The Impact of the Nanotechnology-Treated Glass on Optimizing the Thermal Performance and Improving the Energy Consumption of the PUBLIC Schools Envelope in the Greater Cairo”.
20.	Journal of Positive School Psychology	with ISSN 2717-7564,2022	“Sustainability in commercial buildings to achieve a healthy environment for humans. Case Study Taikoo Hui Mall”
21.	Scientific Conference of the College of Engineering “Towards Sustainable Communities	May 2023	Using building information modeling technology to achieve sustainable buildings
22.	The Arab Association of Civilization and Islamic Arts	, Vol. 9 No.48 November 2024	Technological impact on buildings: The extent to which the technology effects on buildings and its relationship to the environment
23.	Journal of Survey in Fisheries Sciences	10(1S) 7113-7128, 2023	Enhancing Environmental Sustainability in University Buildings: The Role of Green Walls and Smart Agriculture in Mitigating Carbon Dioxide Emissions Across Varied Egyptian Climates

24.	International Journal of Architectural Engineering and Urban Research	Vol. 6, Issue 1, June, 2023	Improving Energy Performance In Hospital Buildings Using Nanotechnology
25.	Journal of Engineering Research (JER)	Vol. 7, Issue 3, 2023	Enhancing the sustainability of the visual scenery elements of urbanism to achieve quality-of-life standards
26.	International Journal of Architectural Engineering and Urban Research	Vol. 6, Issue 2 December 2023	The effect of innovative daylight devices in raising the environmental efficiency and saving energy at library buildings
27.	International Journal of Architectural Engineering and Urban Research	Vol. 6, Issue 2 December 2023	The Efficiency of Time Management During the Design Process for Residential Buildings to Achieve Sustainable Project Management
28.	JES. Journal of Engineering Sciences	Vol. 52, Issue 1, 2024	Enhancing Hotel Sustainability Through Ecological and Technological Integration
29.	Annual Conference for Faculty of Engineering "Sustainable Engineering and Technological Innovation"	Abril 29, 2024	Estimating the carrying capacity of an urban residential block: an applied study in the city of Qalyoub
30.	Revista DYNA-Facultad de Minas Sede Medellin	Vol.91 ,2024	The Impact Nanotechnology In Achieving Sustainable Design

Courses taken

	Courses Name	Place	Time
1.	Quadruple analysis and strategic alternatives	The Quality Assurance and Accreditation Center at 6th of October University.	2009
2.	Institutional self-evaluation of higher education institutions	National Authority for Quality Assurance and Accreditation of Education in Egypt.	2010

3.	External review course for higher education institutions	National Authority for Quality Assurance and Accreditation of Education in Egypt.		2010
4.	Practices and supporting documents for higher education institutions	National Authority for Quality Assurance and Accreditation of Education in Egypt.		2011
5.	Learning outcomes and curriculum maps course - higher education	National Authority for Quality Assurance and Accreditation of Education in Egypt.		2012
6.	Curricula and teaching methods	National Authority for Quality Assurance and Accreditation of Education in Egypt.		2013
7.	Strategic planning for higher education institutions	National Authority for Quality Assurance and Accreditation of Education in Egypt.		2013
8.	Intellectual Property Rights and Ethics of Scientific Publishing	The Quality Assurance and Accreditation Center at 6th of October University.		2014
9.	Credit Hours and Academic Advising	The Quality Assurance and Accreditation Center at 6th of October University.		2014
10.	Crisis and disaster management	The Quality Assurance and Accreditation Center at 6th of October University.		2014
11.	self-evaluation of higher education institutions	National Authority for Quality Assurance and Accreditation of Education in Egypt.		2016
12.	self-evaluation of higher education institutions ,June 2015	National Authority for Quality Assurance and Accreditation of Education in Egypt.		2017

13.	Secrets of scientific publishing and international classification	On Line		25/4/2021
14.	Critical Thinking	Faculty and Leadership Development Center		8/3/2023 to 9/3/2023
15.	Essentials of Integrated Education	Faculty and Leadership Development Center		11/3/2023 to 12/3/2023
16.	Fundamentals of Digital Transformation Certificate	Training and Continuing Education Center		6/2023
17.	Decision Making and Problem Solving	Faculty and Leadership Development Center		31/7/2023 to 1/8/2023
18.	Interactive Electronic Courses	Faculty and Leadership Development Center		9/8/2023 to 10/8/2023
19.	Sustainable Development in University Education	Faculty and Leadership Development Center		31/7/2023 to 1/8/2023

Supervision and review of scientific theses

Researcher Name		Thesis Title	
Master Theses			
1-	Dina Morris Master's	"Thermal Insulation Materials in Residential Buildings to Achieve Thermal Comfort in Hot Dry Climate"	2013
2-	Sarah Reda Master's	Evaluation of the reuse of buildings of value in Fatimid Cairo to reach the reciprocal functional relationship between the building of value and the surrounding built environment and its impact on it", Faculty of Fine Arts, Helwan University. Register 2015	2015

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3-	Islam al, Shafei Master's thesis	"The Role of Sustainability Principles Applications to Reach a Balance between Technology and Environment", Faculty of Engineering, Cairo University. Register 2014 2018 discussion.	2014
4-	Mohamed Tharwat Master's thesis	Nanotechnology Applications in Hospital Buildings", Faculty of Engineering, Cairo University Register 2015 Discussion ,2018	2015
5-	Basma Medhat Ibrahim Sadeq Master's thesis	"Applying sustainability standards as an entry point to reach a green society", Faculty of Engineering, Cairo University. Register 2015	2015
6-	aya hisham mahmoud Masters thesis	"Sustainable Architecture"Energy Economics in Sustainable University Buildings"A Classroom Case Study at the Canadian University in Egypt", Faculty of Engineering, Cairo University. Register 2014 2018 Discussion	20014
7-	Safaa Ali Alsayed Ahmed Masters thesis	"The Impact of Culture and Customs on the Anubi Heritage", Faculty of Engineering, Cairo University. Register 2015	2015
8-	Ahmed Adel	Resilience and resilience as a modern and comprehensive trend for the sustainable development process and its impact on urban expansion in Egypt.	2018
9-	Nourhan Mohamed Abdel Razek	Study of the thermal performance of nanotechnology materials in raising energy efficiency in hospitals in the Administrative Capital	2018
10-	Ibrahim Magdy	Enhancing the visual image of urban spaces using modern technology.	2017
11-	Abdul Rahman Ahmed Muhammad Ali	Evaluation of 3D printing technology in rapid construction operations in informal and damaged areas	2017
12-	Jamila Adly Abdel Sattar Ibrahim	Zero energy concept and building energy economics Case study of the Egyptian experience	2018
13-	Aya Mustafa Kamel Muhammad	The impact of smart technologies on increasing the efficiency of the external envelope of buildings "An analytical study of administrative buildings"	2018
14-	Mohamed Saied	Efficiency Enhancement of Administration Buildings Through Nanotechnology Application Under Sustainability Frame	2018

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15-	Ayat Muhammad Hussein Sayed	Standards for achieving sustainability and quality of life in designing new urban communities	2018
16-	Noha Ibrahim Ahmed Al-Anani	(Sustainability as an input to the design of new urban communities “Implementing the LEED-ND/Green Pyramid systems”	2018
17-	Alaa Maarouf	The impact of modern technological techniques on the flexibility of architectural design	2019
18-	Nourhan Mohamed Shawky	Technological techniques to raise the efficiency of the outer shell in existing buildings to reduce energy consumption	2019
19-	Hala Faker Saad Al , Saeed	Applying the principles of sustainable housing design as an input to improve low-income housing projects in Egypt	2019
20-	Muhammad Hosni Thabet	Sustainability of commercial buildings – a balance between modern technology and the environment	2019
21-	Abdullah Ashraf Emara	The impact of smart destinations in raising the efficiency of interior design	2020
22-	Ahmed Hamed Ahmed	The impact of the use of modern construction systems on the element of time during disasters and crises	2020
23-	Dina Yasser Ahmed Anas	Reviving cultural heritage in areas of value using modern technology (with special mention of Darb al-Ahmar area)	2020
24-	Nourhan Salah	The impact of using smart technologies on hotel buildings to raise their efficiency to save energy used in them	2021
25-	Alaa Ramadan	Housing in Egypt is a gap between supply and demand and its impact on the housing problem - a detailed study of social housing	2021
26-	Omar Muhammad Ahmed Lotfy Abdul shafi	Thermal comfort in old and smart residential buildings	2021
27-	Fatima	Technological trends to raise the efficiency of administrative buildings (towards the use of nanotechnology to raise the efficiency of administrative buildings within the framework of sustainability)	2021
28-	Dalia Tarek	Recycling techniques in building materials as a tool for protecting the environment and achieving sustainability	2021
29-	Merna Nashat	Towards a new model for creating a sustainable environment using smart innovative materials (modern technologies and materials for exterior finishes and site landscaping elements, a case study for business parks	2022

30-	Mena Aboelnen	Rehabilitation approach for administrative buildings to reach LEED certificate criteria	2023
31-	Ahmed Abdelazem	The Efficiency of Time Management During the Design Process for Residential Buildings to Achieve Sustainable Project Management	2023
32-	Ohod Hamdy Salem	Towards a new paradigm in developing interactive spaces for kindergarten children using a multi-sensory architecture Approach	2023
33-	Asmaa Abdelfatah	Strategies for parametric shaping and the extent of its effectiveness in the sustainability and revitalization of local architecture	2023
PHD Theses			
34-	Islam Ahmed Abd El , Zaher Al , Shafii	Smart prisons" their role in raising the efficiency of security and humanitarian performance"	2018
35-	Doha Abdelazez	A Framework of Operation and Management System by Iso 9001 For Improving the Building Performance	2019
36-	Mohamed Tharwat Mahmoud	Nanotechnology and its positive impact on the economics of hospital buildings	2019
37-	Mohamed Elhedk	TOWARDS AN ADVANCED APPROACH TO RAISE THE THERMAL EFFICIENCY OF THE OUTER ENVELOPE OF EDUCATIONAL BUILDINGS THROUGH SMART ARCHITECTURE	2019
38-	Shaima Abdul hakim Muhammad Sayed	An approach to raising the quality of the indoor environment using nanomaterials in hospitals after the pandemic in Egypt	2019
39-	Marwa Hassan Mohamed Farooq	An approach to the development of existing residential complexes in hot areas to achieve energy efficiency.	2019
40-	Ahmed Abdelkader	A methodology for monitoring, modeling and analyzing the user experience within the urban spaces	2019
41-	Nourhan Hassan Al , Deeb	Towards achieving the quality of the internal environment and energy efficiency of administrative buildings using radiant cooling systems	2019

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42-	Ahmed Abd El , Qader Abd El , Samie	A new technological mechanism to monitor, analyze and model the experience of the user group within the architectural and urban production	2020
43-	Ahmed Mohamed Azab	A methodology for achieving energy efficiency for new high-rise administrative buildings in Egypt	2021
44-	Noha Ibrahim Ahmed Al-Anani	Pre-PhD	2022
45-	Alaa Marof	Pre-PhD	2023
46-	Mohamed Hosni	Pre-PhD	2023
47-	Fatima Al-Zahra Ibrahim Ahmed Abdel Rahman	Pre-PhD	2023
48-	Hala Faker Saad Al , Saeed	Pre-PhD	2023
Review theses			
49-	Ahmed Mohamed Azab	Curtain Walls as a Tool of Improving the Efficiency Of Administration Building Performance	2020
50-	Abdullah Ahmed Abdullah, Hsaba alla	A design approach for using parametric methods on double outer envelopes by applying nanomaterials to increase the efficiency of buildings and generate energy by “reshaping the dynamically interacting outer envelopes.”	2021
51-	Fatima Al-Zahra Ibrahim Ahmed Abdel Rahman	Value engineering is one of the applications of sustainable architecture. "Special study of industrial facilities	2022
52-	Ahmed Khalil Ibrahim Ali	An analytical study of the factors affecting the accuracy of cost estimation in the early stage	2021
53-	Hussien El Sayed Mohamed	Building laws and Requirements Between Theory and Practice (a case Study of new Urban Communities in Egypt)	2023
54-	Asmaa Abas Mohamed	Development of slums adjacent to heritage areas Proposed Program For the upgrading project in the fustate Region of ancient Egypt	2023

Practical Experiences

NO.	Name	Organization	Date	
			From	To
1.	Rehabilitation	Rehabilitation of October 6 University Hospital	2019	2020

2.	Supervising	Supervising the finishing of October 6 University Hospital	2019	2020
3.	Rehabilitation	Rehabilitation of the Faculty of Physical Therapy building. October 6 University	2020	2021
4.	Supervising	Supervising the finishing of the Faculty of Physiotherapy building, October 6 University	2020	2021
5.	Rehabilitation	Rehabilitation of a nursing Faculty building, October 6 University	2021	2022
6.	Rehabilitation	Rehabilitation of the Faculty of Engineering building, October 6 University	2021	2022
7.	Rehabilitation	Rehabilitation of the College of Pharmacy building October 6 University	2021	2022
8.	Rehabilitation	Rehabilitation of the October 6 University library building	2022	2023
9.	Participation and Review	Participation and Review of scientific research paper and organization in the Faculty of Engineering, October University Scientific Conference of the College of Engineering "Towards Sustainable Communities	2023	2023
10.	Design and Supervising	Design of a residential villa by Professor Hanaa Muhammad	2021	2021
11.	Design and Supervising	Residential villa design by Dr. Mahmoud Ahmed	2021	now
12.	Design and Supervising	Residential building design by engineer Alaa Muhammad	2022	2023
13.	Design and Supervising	Interior finishing of a residential apartment for Captain Mohamed Ahmed	2022	2023
14.	Design and Supervising	Interior finishing of a residential apartment by engineer Islam Al-Shafi'i	2022	2022
15.	Design and Supervising	Interior finishing of a residential apartment by Dr. Amr Alaa	2024	2024
16.	Reviewing	Participate in reviewing scientific research in Fayoum University Journal of Engineering	2021	Now
17.	Reviewing	Participate in reviewing scientific research in Journal of Engineering Sciences	2022	Now
18.	Reviewing	Participate in reviewing scientific research in Intelligent Buildings International	2023	Now
19.	Reviewing	Participate in reviewing scientific research in Journal of Engineering Research	2023	Now
20.	Participation and Review	Participation and Review of scientific research paper and organization in the	2024	2024

		Faculty of Engineering, October University on Annual Conference for Faculty of Engineering "Sustainable Engineering and Technological Innovation"		
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Head of Department

Dean of the Faculty

Prof. Dr. Abdala Elaryan

Prof. Dr. Ismail Mohamed Hafez