

Name : Dr. Nabawe Hamed Ghareeb Makhlof
Position : Assis. Professor- Reinforced Concrete
Structural Engineering Department - Cairo University



Date of Birth : 13th Oct. 1956

Nationality : Egypt

Profession : Concrete Design Consultant

Education :

B. Sc. Civil Engineering – 1979 – Cairo University

M. Sc. Structural Engineering – 1984 – Cairo University

Ph. D. Structural Engineering – 1994 – Cairo University

Professional Memberships:

Egyptian Syndicate of Engineers, member.

Egyptian Society of Engineers.

Key Qualification:

Structural design, structural safety auditing, structure repair, pre-stress concrete design, fiber reinforced concrete, rehabilitation of reinforced concrete structures.

Academic Career:

1979 - 1984 Teaching Assistant, Structural Engineering Department, Faculty of Engineering, Cairo University.

1984 - 1994 Assistant Lecturer, Structural Engineering Department, Faculty of Engineering, Cairo University.

1994 - 2017 Lecturer of Concrete Design, Structural Engineering Department, Faculty of Engineering, Cairo University.

2017 - now Emeratue Lecturer of Concrete Design, Structural Engineering. Department, Faculty of Engineering, Cairo University.

Experience Record:

Academic Experience:

- Teaching the design of reinforced concrete structures for undergraduate and postgraduate, Faculty of Engineering, Cairo University.
- Teaching the design of reinforced concrete structures for the bachelor degree, Tenth of Ramadan Higher Institute of Technology 6 October branch.
- Supervision and evaluation of graduation projects in the design of reinforced concrete structures for undergraduate and postgraduate, Faculty of Engineering, Cairo University.
- Supervision and evaluation of graduation projects in the design of reinforced concrete structures, Tenth of Ramadan Higher Institute of Technology 6 October branch.
- Supervision and evaluation of graduation projects in the design of concrete structures, Faculty of Engineering, 6 October University.

Professional Experience:

1 - Member of the research team for studying the steel fiber-reinforced concrete structure behavior funded by the Scientific Research Academy to study the engineering and mechanical

fiber-reinforced concrete structural elements theoretically and experimentally through **the Concrete Research Laboratory, Faculty of Engineering Cairo University and Center of Research for Housing Construction and Urban Planning.**

2 - Participate in the loading test and preparation of the loading test report for many reinforced concrete and steel bridges in Egypt as:

- Different stages of 6 October bridges.
- King Faisal bridge .
- Al- Azhar bridge.
- Rod El-Farag bridge.
- Bilbeis bridge.
- Meit Nama bridge.
- Ring road bridges.
- Group of subway bridges in Shubra and Giza .
- Mansoura bridge.
- Munib bridge.
- Gamal Abdel Nasser bridge – Alexandria
- 15 May bridge various stages.
- Barajil bridge.
- Group of 26 July road bridges.
- Port Said bridge.
- Al konaysa bridge.
- Alameria bridge.
- Mostorod bridge.
- Mnsourea bridge.
- Many of the bridges through **the Concrete Research Laboratory, Faculty of Engineering, Cairo University,**

3 - Participate in the structural design review for the different types of school buildings owned by the authority of educational building through **the Concrete Research Laboratory, Faculty of Engineering, Cairo University,**

4 - Participate in conducting field tests such as loading tests , Shmedit hammer test, core test and ultrasound tests on the concrete elements of many different facilities and many educational establishments and industrial buildings through **the Concrete Research Laboratory, Faculty of Engineering, Cairo University,**

5 - Participate in the engineering committees to examine the educational buildings in Cairo, Giza and EL Fayoum to prepare safety report for these buildings after earthquake in 1992 through the **Faculty of Engineering, Cairo University.**

6 - Participate in the preparation of structural safety report of many school buildings after carrying out field and laboratory tests such as inspection and carrying out loading tests, core test and Schmidt hummer test also suggesting the method of rehabilitation and strengthening, some of these schools:

- El-Beida secondary school - Kafr El-Dawar.
- Abu Bakr El-Siddiq School - Beni Suef.
- 33 class secondary and commercial school – EL Amiriya.
- Ard El Shorta school next to the police station - Amiriya.
- Sbarbay prep school - Tanta.
- Awlad Elawa school - Sohag.
- El Shawashna prep school - Fayoum.
- Bagt El Sheih school in - Giza.
- El Maadanya school - El Slam city.
- kom Hafs prep school - Damanhour.
- Manshiat Basyoun school - Basyon Gharbia.
- Northern sector primary school - Abou El Matamer.

- Farshoot prep school - Qena.
- Tariq Ibn Ziyad school - Helwan.
- Al Nahda school - Helwan.
- Klma schools - El Kalyobia.
- Menit Bny Musa primary school - Damanhour.
- Sarania primary school - Damanhour.
- Office building for Arab Contractors Company, yellow mountain ,Cairo .
- Many of educational buildings through **the Concrete Research Laboratory, Faculty of Engineering, Cairo University.**

7 - Participate in the design ,reviewing and preparation of the construction drawings for many reinforced concrete structures for different types of companies, including:

- Samanoud for weaving and textile company.
- El Garbia Rice Mills company.
- Tenth of Ramadan Company for Drug Industries and diagnostic preparations 6 October city.
- Abouzaabl Engineering Industries factory (Factory 100 military).
- Helwan iron foundries factory.
- Helwan non-ferrous industries company (factory 63 military).
- Faculty of veterinary medicine, Cairo University.
- Extension of faculty of antiques, Cairo University
- Extension of faculty of nursery, Cairo University.
- El Fayoum university
 - Main administration building.
 - Examination halls building.
 - Faculties of agriculture, arabic and Islamic studies, engineering and science.
 - Central laboratory.
 - Student hostel.
- Tanta university.
 - Public library building.
 - Auditorium building for faculty of law.
- El Nasr Company kaha factory
- Ramco Ceramics factory - 6 October City.
- Kato Electronics factory - 6 October City.
- Misr Company for aromatic products - 6 October City.
- Misr Company for chemicals and paints - 6 October City.
- Qena newsprint paper company - Qena.
- Nagh Hammady fiber board factory - Qena.
- Islamic center and El Rahman mosque - Shubra .
- Al-Nour mosque and islamic center - Abbassiya.
- Raydah mosque in Yemen.
- Villages of Cairo University in the northern coast.
- Automobile service station in Kaha company.
- Automobile service station Mobil Oil El Haram (next to the zaeem theatre).
- Egyptian Company for News CNE - Moqattam.
- Al-Noor Hospital – El Mohandseen - Giza.
- Glass factory owned by Eng / Salah Abdullah - Al Qanatir.
- Immigration and Quarantine building - Suez.
- El Slam city housing – El Gomhorya compony.
- Lycée El Horya school - El Harm - Giza.
- El slam secondary school - Ard El Berka – El Slam city.
- El slam prep. school – Ard El Berka – El Slam city.
- Canal Shipping Agencies building – Suez.
- Tennis and squash courts - Egyptian shooting club.
- Al Jazira sports club.
- Nile university buildings -El Sheikh Zayed.
- Re-location of military production factories – Abo Zaabl.

- Sugar and Integrated Industries company buildings – Hawamdya ,Koos ,Deshna and Kafr El Sheikh.
 - International company for land reclamation - Kilo 90 Cairo-Alexandria Road.
 - Da'awat El Haque mosque - Dokki.
 - National bank building - Gessr El Suez.
 - National bank building - New Cairo.
 - National bank building - Desouk- kafr El Shiekh.
 - 6 October compony for mills. 454
 - ٤٥- العديد من العمارات السكنية و الفيلات بمناطق مختلفة في القاهرة و الجيزة و مدينة العاشر من رمضان و مدينة السادس من أكتوبر . Many of residential buildings and villas in different regions of Cairo , Giza , Tenth of Ramadan and 6 October city.
 - Design the reinforced concrete silos for flower and brain - 6 October mills company.
 - Design the reinforced concrete foundation of steel silos for wheat - 6 October mills company.
 - Design the reinforced concrete silos - fertilizer company - Abo zaabl.
 - Design group of reinforced concrete silos for wheat in ten different governorates in Syria.
- Preparing and reviewing the workshop drawings for the project of ministries buildings, 3A 4A in the administrative capital in favor of Al Rowad Company.
- 52 - Preparing and reviewing the drawings of the workshop for the buildings project of ministries, 13A 4A 1 in the administrative capital in favor of the Red Sea Company
- Many different project through **the Office of the Consulting Engineering Group (CEGMAN) Prof. Dr. Mohamed El Adawy Nassef.**

8 - Supervise the construction of many of the above projects in previous item through the Office of the Consulting Engineering Group (CEGMAN) Prof. Dr. Mohamed El Adawy Nassef.

9 - Review many reinforced concrete structures and prepare the technical reports for Egyptian construction third party liability insurance pool some of these projects are:

- Development and Environment Center in the Arab Region and Europe - El Hijaz street in front of Elmaryland park.
- El safwa city - 6 October City.
- Hawaa commercial center - El Shrook city.
- Transformer station in Samalout – Minya.
- Residential building - Mansheat El Tayaran - Cairo.
- Three commercial and residential buildings - khatem El Morsalen street - Giza.
- Arab Contractors complex trade building material - El Ain El Sukhna - Katameya.
- Residential building - Heliopolis - Cairo.
- Extension of Medical Center of Arab Contractors – El Gabal El Akhdar.
- Residential building - 4 Chambleon street- kasr the Nile - Cairo.
- Tourist village – Harrania - Giza.
- Tourist center in Hurghada - in front of the Intercontinental Hotel in Hurghada.
- Many residential , commercial and tourist buildings in different locations in Egypt. through **the Office of the Consulting Engineering Group (CEGMAN) Prof. Dr. Mohamed El Adawy Nassef.**

10 - Design and preparation of execution drawings and supervising of construction for many commercial, industrial and residential buildings and villas in many different locations as Sixth of October, El shrook ,El Shikh zaid and New Cairo citys, some of these projects are: --

- Al Baraka commercial market - 6 October City.
- Underground water tank -Arab Company for ice cream (Hawaii) - industrial zone - 6 October city.
- Underground water tank - national company for ready made clothes(Ted Lapidus) - 6 October city.
- The exhibition for the sale of the company's products for the national company for ready made clothes (Ted Lapidus) - 6 October city.

- Ready made clothes factory - national company for ready made clothes (Ted Lapidus) - 6 October city.
- Textile factory ,stores, and fence- national company for ready made clothes - (Ted Lapidus) - 6 October city.
- Residential building owned by Abd Allah Abd El Latif Ghattas no 292-district 3 second mogawra -6 October city.
- Residential building owned by Sherbini Mohamed Radwan no 324-district 3 second mogawra - 6 October city.
- Residential building owned by Mahmoud khatab Radwan no 57-district 7 second mogawra - 6 October city.
- Residential building owned by Mustafa Mahmoud Afifi Ismail no 121-district 1 third mogawra - 6 October city.
- Residential building owned by Ibrahim Abdel Razek El Kholy no 38-district 1 third mogawra – New Cairo city.
- Residential building owned by Sabri El Tahir Ahmed - Gharb sumed no 2 third mogawra - 6 october city.
- Residential building owned by Hisham Abdel Daem and his Sons no 3 district 8 third mogawra - El Sheikh Zaid city.
- Residential villa owned by Sally Mohammed Fathi no 241 district 5 - El Sheikh Zaid city.
- Residential building owned by Mai Farouk Mohamed Mahmoud no 348 district 3 second mogawra - 6 October city.
- Residential building owned by Husni El Banna - 6 October city.
- Islamic center - Hassan Agha – Zagazig - Sharkia.
- Residential building owned by Mohammed Abdel Azez Zedan - Mobark district-Zagazig - Sharkia.
- Residential building owned by Hisham Mohamed El Hady - Bilbis- Sharkia.
- Residential building owned by Hala Mohamed El Hady - Bilbis – Sharkia.
- Many residential and commercial buildings.

11 - Study the structural safety of many residential, industrial and commercial buildings and suggest the methods of strengthening according to the results of experimental tests and study the structural defects some of these buildings are: --

- Building on 19 Masser and Sudan street ,Hadaek el Kopa owened by Mohammed Raja Abdel Hameed.
- Building of Mapso compony for equipment and marine supplies ,44 Cairo-Ismailia road.
- Technical report on the safety and financial evaluation of the construction work on building 245-jasmine 7 –El Tagmo' El Khames - Helwan - owned by / Joseph Pascal Delimitian.
- Technical report on the safety of foundation constructed on the piece 32-33 Family Housing zone 8 - Rehab City - New Cairo.
- Technical report on the upgrading and development of the swimming and diving pool - Beni Suef sports stadium.
- Al-Shami for the processing and compilation of the balance – 6 October city.
 - Electric Bascule balance of 120 tons.
 - Mechanical Bascule balance with capacities of 50, 100 and 120 tons.
- El Ahram for processing and compilation of the balance.
 - Electric Bascule balance of 120 tons.
- Technical report on the safety of Building No 198 - 6th tourist village – 6 October city owned by / Ashraf Mohamed Ali Jaber.
- Technical report on the safety of school building-Manar Islamic languages (2108538) next to the mosque of Anas ibn Malik –El Mohandseen - Giza.
- Technical report on the safety of Building No. 75 - Youth Housing - El shrouk city.
- Technical report on the safety of Building No. 3 El Game' El Ismaily street - El Saida Zeinab - Cairo – owned by / Medhat Nabil Zaki Abdel-Salam.
- Technical report on the safety of the residential building No.157 Hada'k El Ahram - Giza.

- Technical report on the safety of the building No 4 Sheikhun Street – El Mansheya El Gadedda - Faisal - Giza
- Technical report on the safety of El Aman hotel building 58 El Dokki Street - Giza.
- And many of technical reports and financial evaluation of the work and strengthen the many buildings through the Center of Research and Studies in Civil Engineering(CRSCE), Faculty of Engineering, Cairo University.

•
 12 - Member of the committee to prepare technical and engineering report for project of construction of 1056 housing units for youth in the cities of Red Sea Governorate (Hurghada - Safaga - Alkuser - Ras Gharib - Marsa Alam - Shalateen) based on the rule of Qena court in case No. 7792 for the year 2002 Jenyat Hurghada restricted number 1419 for the year 2002 northern Qena court through the Center of Research and Studies in Civil Engineering(CRSCE), Faculty of Engineering, Cairo University.