

### Personal Data

|                |                                   |                      |
|----------------|-----------------------------------|----------------------|
| Name           | Fatouh Ahmed Lotfy Mohamed Gharib |                      |
| Faculty        | Science                           |                      |
| Department     | Mathematics                       |                      |
| Nationality    | Egyptian                          |                      |
| Birth Date     | 2 / 11 / 1963                     |                      |
| Official Email | Fatouh.Gharib@nbu.edu.sa          | fatouhalmg@yahoo.com |
| Phone Office   | 5043                              |                      |
| Mobile         | 0557914519                        | 0540470294           |

### Language proficiency

| Language | Read      | Write     | Speak     |
|----------|-----------|-----------|-----------|
| Arabic   | Excellent | Excellent | Very Good |
| English  | Very Good | Very Good | Good      |
|          |           |           |           |
|          |           |           |           |

### Academic Qualifications (Beginning with the most recent)

| Date           | Academic Degree                                       | Place of issue                              | Address        |
|----------------|---|---|----------------|
| March, 2003    | Ph.D. in Engineering Mathematics (Numerical Analysis) | Faculty of Engineering – Cairo University   | Giza, Egypt    |
| November, 1993 | Master in Engineering Mathematics (Computer)          | Faculty of Engineering – Cairo University   | Giza, Egypt    |
| May, 1986      | B.Sc. in Civil Engineering                            | Faculty of Engineering – Zagazig University | Zagazig, Egypt |

PhD, Master or Fellowship Research Title

|        |  |
|--------|--|
| PhD    | Efficient Complexity Reduction Approaches for Hierarchical Software Performance Models |
| Master | Expert System & Machine Learning for Tied Column Design                                |

### Professional Record (Beginning with the most recent)

| Job Rank            | Place And Address of work  | Date  |
|---------------------|--|---|
| Assistant Professor | Mathematical department, College Science, Arar, Northern Border, Kingdom of Saudi Arabia (KSA)<br><br>Northern Border University | 11 / 8 / 2024<br>till now and<br>ALLAH willing  |
|                     |  | 6 / 2 / 1446 H<br>till now and<br>ALLAH willing |

| Job Rank            | Place And Address of work   | Date                                    |
|---------------------|---|---|
| Assistant Professor | Mathematical department, College of Arts and Science, Rafah, Northern Border, Kingdom of Saudi Arabia (KSA)<br><br>Northern Border University | 3 / 2 / 2013<br>till 10 / 8 / 2024      |
|                     |   | 21 / 3 / 1434 H<br>till 6 / 2 / 1446 H  |
| Assistant Professor | Mathematical department, College of Science, Jazan, Kingdom of Saudi Arabia (KSA)<br><br>Jazan University                                     | 8 / 10 / 2006<br>till 24 / 8 / 2012     |
|                     |   | 15 / 9 / 1427 H<br>till 6 / 10 / 1433 H |
| Lecturer            | College of Technology, Jazan, General Organization for Technical Education and Vocational Training Kingdom of Saudi Arabia (KSA)              | 30 / 8 / 2003<br>till 18 / 8 / 2006     |
|                     |   | 2 / 7 / 1424 H,<br>till 24 / 7 / 1427 H |
| Lecturer            | College of Technology, Al-Baha, General Organization for Technical Education and Vocational Training Kingdom of Saudi Arabia (KSA)            | 3 / 2 / 2001,<br>till 29 / 8 / 2003     |
|                     |   | 8 / 11 / 1421 H,<br>till 1 / 7 / 1424 H |

Scientific Achievements (Published Refereed Scientific Research)

| Name of Investigators                  | Research Title  | Publisher and Date of Application                                |
|--|---|--|
| A. M. Abd El-latif, , and F. A. Gharib | Strictly Wider Class of Soft Sets via Supra Soft $\delta$ -Closure Operator | International Journal of Analysis and Application, (2024), 22:47 |

| Name of Investigators                                   | Research Title   | Publisher and Date of Application  |
|---|--|--|
| F. A. Gharib, and: A. M. Abd El-latif                   | Soft semi local functions in soft ideal topological spaces                                     | European Journal of Pure and Applied Mathematics Vol. 12, No. 3, 2019, 857-869.  |
| F. A. Gharib, M. Ezzat Mohamed, and A. I. El-Maghrabi   | On new classes of soft sets and functions via supra preopen soft sets                          | European Journal of Pure and Applied Mathematics Vol. 10, No. 4, 2017, 835-849.  |
| T. Fergany, I. Y. AbdElmaksoud, and F. A. L. M. Ghoraib | Efficient Complexity Reduction Approaches for Hierarchical Performance Models                  | published in proceeding of "The 16th International Conference on Computers and their Applications (ISCA)" held in Seattle, Washington, USA during March, 2001. |
| N. Darweesh, and: F. A. L. M. Ghoraib                   | An Expert System with Machine Learning for Classification of Pre-Designed Tied Column Sections | published in proceeding of "The 25th Statistics and Computer Science" held in Cairo during December, 1993.   |

#### Scientific Achievements (Membership and Committees participating in)

|    |   |
|----|---|
| 1- | Graduates Committee of the Department, Department of Mathematics, Arar.       |
| 2- | Field Training Committee of the Department, Department of Mathematics, Rafha. |
| 3- | Social Committee of the Department, Department of Mathematics, Rafha.         |

### Teaching Activities (Undergraduate)

| Course  | Course Number       |
|---|---------------------|
| Introduction To Statistics (General Statistics) (Fundamental of Statistics & Probability), Deanship of Preparatory year & College of Arts and Science, Rafah. | STAT 110<br>1104131 |
| Mathematics (Applied Calculus) Course, faculty of Pharmacy, Rafah.  | 1104102             |
| Applied Mathematics for computing, faculty of Computer Science & Information System, Rafah, and College of Science, Arar.                                     | CPCS 212<br>CS 220  |
| Analytical Geometry Course, College of Arts and Science, Rafah.   | Math 261            |
| Calculus I Course, Deanship of Preparatory year & College of Arts and Science & faculty of Computer Science & Information System, Rafah.                      | 1104101<br>Math 119 |
| Calculus II Course, College of Arts and Science & faculty of Computer Science & Information System, Rafah.  | 1104202<br>MATH-202 |
| Calculus III Course, College of Arts and Science, Rafah.  | 1104203             |
| Differential Equations I, Course, College of Arts and Science, Rafah.   | 1104241             |
| Differential Equations II, Course, College of Arts and Science, Rafah.  | 1104342             |
| Linear Algebra Course, College of Arts and Science, Rafah.  | 1104222             |
| Real Analysis I, Course, College of Arts and Science, Rafah.  | 1104251             |

| Course   | Course Number |
|--|---------------|
| Real Analysis II, Course, College of Arts and Science, Rafah.                      | 1104352       |
| Mathematical Programming Course, College of Arts and Science, Rafah.               | 1104271       |
| Dynamics Course, College of Arts and Science, Rafah, and College of Science, Arar. | 1104361       |
| Numerical Analysis Course, College of Arts and Science, Rafah.                     | 1104372       |
| Topics In Numerical Analysis Course, College of Arts and Science, Rafah.           | 1104475       |
| Operation Research Course, College of Arts and Science, Rafah.                     | 1104373       |
| Complex Analysis Course, College of Arts and Science, Rafah.                       | 1104453       |
| Introduction to Number Theory Course, College of Arts and Science, Rafah.          | 1104425       |
| Introduction to Computer Course, College of Science, Jazan University, Jazan.      | Comp 100      |
| Numerical Analysis (1) Course, College of Science, Jazan University, Jazan.        | Math 316      |
| Numerical Analysis (2) Course, College of Science, Jazan University, Jazan.        | Math 419      |
| Topics in Numerical Analysis Course, College of Science, Jazan University, Jazan.  | Math 435      |

| Course  | Course Number |
|---|---------------|
| Differential Geometry Course, College of Science, Jazan University, Jazan.  | Math 463      |
| Mathematics (1) Calculus and its Application Course, faculty of Engineering, Jazan University, Jazan.                                   | Math 119      |
| Mathematics (2) Advanced Algebra & Analytical Geometry Course, faculty of Engineering, Jazan University, Jazan.                         | Math 219      |
| Numerical Methods (Analysis) Course, faculty of Engineering, Jazan University, Jazan.   | Math 354      |
| Fundamental of Statistics & Probability Course, faculty of Engineering, Jazan University, Jazan.  | Stat 211      |
| Mathematics (Introduction of Algebra & Trigonometry) Course, faculty of Computer Science & Information System, Jazan University, Jazan. | Math 100      |
| Algebra of Matrices Course, faculty of Computer Science & Information System, Jazan University, Jazan.                                  | Math 102      |
| Differentiation & Integration and their Application Course, faculty of Computer Science & Information System, Jazan University, Jazan.  | Math 201      |

### Specialized Training Courses and Workshops

| Title of training course / Workshop  | Place  | Date                           |
|--|--|--------------------------------|
| A five-days training course in "Description of the Programs, course report, program report, and field experience". | Rafha branch - Northern Border University            | 30/1/1441 H, till: 4/2/1441 H. |
| A one-day training course on "Mind Maps and Their Uses in the Teaching Process"                                    | the College of Arts and Science in Rafha             | 8/7/1439 H.                    |
| A two-days training course in "Effective Strategic Teaching"   | the College of Computers in Rafha                    | 20 till 21 / 1 / 1437 H        |
| A one-day workshop on the "Unified Electronic Catalog of Northern Border University Libraries"                     | the College of Arts and Science in Rafha             | 3 / 3 / 1435 H                 |
| Ten training hours course on "MATLAB"  | Mathematics Department, Science College, Jazan Univ. |                                |
| Ten training hours course on "MATHEMATICA"   | Mathematics Department, Science College, Jazan Univ. |                                |
| Sixteen hours long training program especially designed for Jazan University on "Jusur Learning Management System" | Jazan University, Jazan, KSA                         | 7 - 8 / 6 / 2010               |
| Six training hours course on "MATHCAD"   | Mathematics Department, Science College, Jazan Univ. | 13/5/2010 to 3/6/2010          |
| Participated in the Professional Development workshop for four days in "E-Learning"                                | Jazan University, Jazan, KSA                         | 10/4/2010 to 14/4/2010         |
| Ten training hours course on "Statistical Product for Service Sciences (SPSS)"                                     | Mathematics Department, Science College, Jazan Univ. | 6/4/2010 to 6/5/2010           |
| Training course on "Assessing Students Performance"  | Jazan University, Jazan, KSA                         | 19/5/2007 to 23/5/2007         |
| Training course on "Counseling in an Educational Context (Instructors as Counselor and Coach)"                     | Jazan University, Jazan, KSA                         | 14/4/2007 to 18/4/2007         |



| Title of training course / Workshop   | Place  | Date  |
|---|--|---|
| 80 days' course on "The Agricultural and Rural Development with Environmental conservation"   | Tokyo International Center, Shinjuku, Tokyo, Japan.                | 12 / 9 / 1999<br>till<br>1 / 12 / 1999                                |
| Two weeks' intensive course on "Advanced C++ Language"  | Information Technology Institute (Prime Ministers Council), Cairo. | November, 1996  |
| Six weeks course on "The Use of Mathematical Model (OPDM) for Planning, Management, and Operation of Irrigation Systems"  | Utah State University, Logan, Utah, USA.                           | 22 / 4 / 1996<br>till:<br>1 / 6 / 1996                                |
| Five weeks course on "Agricultural Policy Modeling in GAMS" presented by the International Food Policy Organization (IFPRI), Washington D.C. in collaboration with the Ministry of Agriculture and Land Reclamation, Egypt. | MALR's building, Giza, Egypt.                                      | 24 / 9 / 1995<br>till:<br>16 / 10 / 1995<br>And<br>3 to 14 / 3 / 1996 |
| Four weeks' intensive course on "Object Oriented Analysis and Design"   | AT&T computers   | April/May, 1995   |
| Four weeks' intensive course on "C++ Language" held in April 1995 by AT&T computers.  | AT&T computers   | April, 1995   |
| Three months English Language Intensive course – "Intermediate Level Course"  | the American University in Cairo.                                  | December, 1993  |

### Voluntary Competencies and Skills

|    |   |
|----|---|
| 1- | Computer Skills: Windows, Internet, Microsoft Office (Word, Excel, Power Point) |
| 2- | Programming with: Matlab, C++, etc...   |
| 3- |   |