

# Curriculum Vitae

**Name** : Raed Y. Basbous (Asst. Prof. Dr.)  
**Date of birth** : 11-October-1977  
**Mobile** : +972502138224  
: +970593454515  
**E-mail** : rbasbous@hotmail.com



## Biography

Dr. Raed Basbous, is an Asst. Prof. Dr. in Computer Science, graduated from Eastern Mediterranean University, Northern Cyprus, in 2016. Dr. Basbous has a Master Degree in Electronics and Computer Engineering from Al-Quds University, Palestine; Bachelor Degree in Computer Systems Engineering from Palestine Polytechnic University, Palestine.

Currently, Dr. Basbous is working as an Assistant Professor and as a Dean Assistant of the Faculty of Technology and Applied Sciences for Al-Quds Open University. Dr. Basbous research topics include artificial intelligence, expression trees, machine learning, and fuzzy logic.

He is currently working on researches to find techniques that help in quicken the evaluations of logical formulae (expression trees) including Gödel Logic, Lukasiewicz Logic, and Product Logic.

## Education (Qualifications)

<b>2013 – 2016</b>	<b>Eastern Mediterranean University</b>	<b>North Cyprus</b>
<i><b>PhD, Computer Science and Applied Mathematics –</b></i> <i><b>Thesis: Strategies to Fast Evaluation of Expression Trees.</b></i>  <i>The work focused in proposing new techniques to quicken the evaluation of expression trees</i>		
<b>2005 - 2009</b>	<b>Al-Quds University</b>	<b>Jerusalem</b>
<i><b>M.Sc, Electronics and Computer Engineering</b></i> <i><b>Thesis: Electric Power Load Short Term Forecasting</b></i>  <i>The work focused in developing ANFIS models to forecast the amount of the electric power load required for a certain area depending in weather and time parameters</i>		
<b>1995 - 2000</b>	<b>Polytechnic University</b>	<b>Hebron</b>
<i><b>B.Sc., Computer Systems Engineering</b></i>		

## Professional Experience

<b>April 2002 – Till to date, Al-Quds Open University</b>	<b>Jerusalem</b>
Jan 2020 – Till to Date:	Asst. Dean, Faculty of Technology and Applied Sciences
Sep 2018 – Till to Date:	Full Time Faculty Member at Jerusalem Branch
July 2014 – Sep 2018:	Asst. Vice President for Administrative Affairs, and a Faculty member.
April 2002 – July 2014:	Head of Computer and Internet Labs Technicians.

## Technical Skills

- Digital Marketing Tools
- Websites Developing

- C, Java, Python Programming Languages
- Adobe Illustrator, Indesign, Photoshop, and After Effect
- Windows Server Administration
- Networks Installation and Administration

## Languages

Arabic: Mother Tongue      English: Very Good      Hebrew: Very Good

## Workshops and Certificates

- *Organizing the Arabic Digital Content, ARID, April 2022.*
- *Hi-Tech Management, itworks, Jerusalem, July 2021.*
- *Introduction to Blockchain and Smart Contracts, Global Shapers East Jerusalem, Jerusalem, July 2021.*
- *Machine Learning with Python, IBM Developer Skills Networks, July 2021.*
- *Innovative Methods of Teaching and Learning in Computer Science Graduates Courses, Al-Quds Open University, Rammallah, July 2021.*
- *Python for Data Science, IBM Developer Skills Networks, 2021.*
- *Data Visualization with Python, IBM Developer Skills Networks, 2021.*
- *Data Analysis with Python, IBM Developer Skills Networks, 2021.*
- *Flutter Programming for Mobile Applications, StationJ Organization, Jerusalem, 2021.*
- *The New Marketing Funnel, Customer First: Station J, Jerusalem, 2020.*
- *Introduction to Cyber Warfare: Jhon Bryce Academy, Jerusalem, 2020.*
- *Big Data in Higher Education: International Institute for Online Education (IIOE), 2020.*
- *Erasmus+ Virtual Exchange National Information Day in Palestine: UNIMED, Ramallah, 2019.*
- *Thinking Design in 90 Minutes: JEST (Jeusalem Entrepreneurs for Society and Technology), Jerusalem, 2019.*
- *Digital Marketing, MATI, Jerusalem, 2019.*
- *Projects Management, MATI, Jerusalem, 2019.*
- *Cloud Computing Workshop: University of Notre Dame, Ramallah, 2019.*
- *Data Science Workshop: University of Notre Dame, Ramallah, 2019.*
- *Internet of Things (IoT) workshop: University of Notre Dame, Ramallah, 2019.*
- *Digital Photography, Al-Quds School for Photography, Jerusalem, 2018 .*
- *Graphic Design: MATI, Jerusalem, 2018.*
- *IP Networks & Advanced Routing Technologies Course: CETTM, India, 2012.*
- *SPSS 14.0: Al-Quds Open University, Jerusalem, 2012.*
- *Microsoft Certified System Engineer “MCSE” & Microsoft Certified DataBase Administrator “MCDBA”:*
- *Open Distance Education and Electronic Learning in Higher Education Institutions: Al-Quds Open University, Jerusalem, 2010.*
- *Microsoft Office Specialist (Word and Excel): Microsoft, 2009.*
- *Certiport IC3 Authorized Instructor for Digital Literacy: Certiport, 2009.*
- *The Skills of Using and Employing the Virtual Classes Technology in the Teaching and Learning Process: Al-Quds Open University, Jerusalem, 2009.*
- *Time and Job Pressure Management Course: Al-Quds Open University, Jerusalem, 2008.*
- *RedHat Installation and Administration: Al-Quds Open University, ICTC Center, Rammallah , Palestine, 2006*
- *Virtual Classes Administration: Al-Quds Open University, Jerusalem, 2005.*
- *Windows Server Active Directory: Al-Quds Open University, ICTC Center, Rammallah , 2005.*

## Journal Publications

- Basbous R., Nagy B., “Generalized Game Trees and their Evaluation”, CogInfoCom 2014: 5th IEEE International Conference on Cognitive Infocommunications, Vietri sul Mare, Italy, pp. 55-60, 2014.
- Basbous R., Nagy B., Tajti T. "Short Circuit Evaluations in Gödel Type Logic", Proc. of FANCCO 2015: 5th International Conference on Fuzzy and Neuro Computing, Advances in Intelligent Systems and Computing 415, India, pp.119-138, 2015, (Springer).
- Basbous R., Nagy B., Tajti T. "Fast evaluations in product logic", The 2016 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2016), Vancouver, Canada, pp. 140-147, 2016.
- Mujahed H., Basbous R., “Java-based Program for Computing the Wiener Index of a Body - Centered Cubic Graph”, Palestinian Journal of Technology & Applied Sciences, Vol. 01, No. 01, pp. 50-57, 2018.

## Conferences Publications

- Basbous R., Nagy B., “Strategies to Fast Evaluation of Tree Networks”, Acta Polytechnica Hungarica, Vol. 12, No. 6, pp. 127-148, 2015.
- Nagy, B., Basbous, R., Tajti, T., “Lazy Evaluations in Lukasiewicz Type Fuzzy Logic”, Fuzzy Sets and Systems, Fuzzy Sets and Systems, Vol. 376, pp. 127–151, 2019, 10.1016/j.fss.2018.11.014

## Memberships

- Editorial Member, International Research Journal of Science, Technology, Education and Management, <https://irjstem.com/>
- Editorial Member, Qubahan Academic Journal, <http://journal.qubahan.com>
- Fostering Academic Research Development of Institutional Framework and Private Sector using Innovation and Technology (CONNECT), Joint Project, Erasmus+, (2019-2020).
- Scientific Committee: The International Virtual Conference on Digital Learning and Teaching During Crisis. Special issue of the 6th Session of TICET2021: The International Conference on ICT in Education & Training. <http://eesig.org/conf/>, (2020).
- Experts for Education in Palestine, Administrative Committee, 2020.
- Faculty of Technology and Applied Sciences Council, Al-Quds Open University (Academic Years 2019-2021).
- Digital Marketing Program Development Committee, Faculty of Administrative and Economical Sciences, Al-Quds Open University, Academic Year (2019-2020).
- Digital Marketing Program Supervision Committee, Faculty of Administrative and Economical Sciences, Al-Quds Open University, Academic Year (2020-2021).
- Digital Marketing Program Division, Faculty of Administrative and Economical Sciences, Al-Quds Open University, Academic Year (2020-2021).
- Al-Amal Association for Cancer Patients, Administrative Board, (2014-2017).

## Book Chapters

- Web Pages Design Technology, Client-Side Scripting in JavaScript, Al-Quds Open University, 2019.

## Teaching / Courses

- Undergraduate Courses
  - Computer Graphics
  - Data Processing

- Data Structure
- Computer Architecture and Assembly Language
- Administrative Information Systems
- Numerical Analysis
- E-Business
- Computing Applications in Administrative Sciences
- Computer Principles
- Financial and Banking Information Systems

#### **Graduate Courses**

- Human Resources Information Systems