

Curriculum Vitae



personal photo

Personnel Data

Name:	Abdel-Rahiem Ahmed Hashem Mohammed.
Address:	Egypt, Assiut, Assiut University, Faculty of Science, Mathematics Dept.
Date Of Birth	13/9/1980.
Phone:	Mobile: +2 (010) 61551884 (Egypt).
E-Mail:	hashemmaths@gmail.com , ahashem@aun.edu.eg
Military Service:	Completed
Marital Status	Married
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Education (*Education language is English*)

Degree	Institute	Year	Grade	Graduation Project
Bachelor of Computer Science	Faculty of Science- Assiut University	2002	<u>Very good</u>	<u>Excellent</u>
M. Sc. Degree in Science/ Mathematics "Computer Science"	The same institute	2011		
PhD degree in Philosophy in Science/ Mathematics "Computer Science"	<u>The same institute with joint supervision with Malaya University- Malaysia</u>	2019		

Jobs

- Demonstrator at Faculty of Science, Assiut University from 1/2003 until 3/2011.
- Assistant Lecturer at Faculty of Science from 4/2011.
- Instructor at ITTU Center, Assiut University.
- Exchange Student in Faculty of Computer Science & Information Technology at Malaya University, KL, Malaysia from December 2015 to December 2017.
- Assistant Professor at Faculty of Science, Assiut University, Assiut from 21 May 2019.

Programming Skills

- C++, C#, Visual C#.
- Basic, Visual Basic.
- Java (JDK and J2ME)
- Fortran Language.
- Python and R languages
- Mathematica, Matlab, SPSS, and Microsoft Office Several Editions .

Capabilities and Activities

- Design and program various software packages for both Windows and DOS environments.
- Developing documents for tailored software packages.
- Train and support users on various software packages.
- Ability of learning new skills.
- Courses Teaching and Presentation such as; Calculus, Algebra, Geometry, Discrete Mathematics, differential Equations, Numerical Analysis, Mathematical Statistics.
- In Computer Science: Programming Language (Basic, Fortran, Matlab, Mathematica, C, C++, C#, Java, Python, Prolog), Artificial Intelligence, Algorithm Theory, Data Mining, Computations Theory, Distributed Computing, Operating Systems, Compiler Theory, Mathematical and Statistical Packages and etc.
- The ability to learn and teach any required courses

Moreover, attending a lot of workshops and training in scientific topics such as; Artificial Intelligence analyst (IBM training) and using statistical package in analysis statistical results.

Current Research

- Learning about principles of robotics, theory, algorithms, and implementation.
- Statistical inference in machine learning.
- Computer vision and image processing
- Mathematical tools like, soft set and rough set.

Publications

- **Abdel-Rahiem A. Hashem**, Ahmed I. Taloba, Majid A. Askar " Textual Characters Detection in Complex Scene Images based on Bradley Thresholding Technique in Compare with Statistical Thresholding Technique ", International Journal of Computer Applications (0975 – 8887), Volume 185 – No.36, October **2023**.
- **Abdel-Rahiem A. Hashem**, Mohd Yamani Idna Bin Idris, Abd EL-Baset A. Ahmad, "Comparative study of different binarization methods through their effects in characters localization in scene images ", Data & Knowledge Engineering (216 - 224), Volume 117, **2018**.
- **Abdel-Rahiem A. Hashem**, Abd EL-Baset A. Ahmad, "A simple novel effective approach to detect characters in scene images ", Assiut University Journal of Mathematics & Computer science, December **2018**.
- **Abdel-Rahiem A. Hashem**, Mohd Yamani Idna Bin Idris, Moumen T. El-Melegy, " Extraction Characters from Scene Image based on Shape Properties and Geometric Features ", International Journal of Computer Applications (30 – 35), Volume 169 – No.3, July **2017**.

Publications (Cont.)

- **Abdel-Rahiem A. Hashem**, Mohd Yamani Idna Bin Idris, Ahmed Gawish, Moumen T. El-Melegy, " A Comparison study on text detection in scene images based on connected component analysis ", International Journal of Computer Science and Information Security (127 – 139), Volume 15 – No.2, February **2017**.
- Marghny H. Mohamed, **Abdel-Rahiem A. Hashem**, Mohammed M. Abdelsamea, "Scalable Algorithms for Missing Value Imputation", International Journal of Computer Applications (0975 – 8887), Volume 87 – No.11, February **2014**.
- Marghny H. Mohamed, **Abdel-Rahiem A. Hashem**, "An enhanced K-mean based method for missing values imputation ", The 3rd Scientific Conference for Young Researchers for Basic Science & Technology, Faculty of Science, Assiut University, Egypt, **April 2011**.
- Marghny H. Mohamed, **Abdel-Rahiem A. Hashem**, Mohammed M. Abdelsamea, " Data Mining Techniques for Missing Value Imputation", Journal of Engineering Sciences, Assiut University (1001 – 1012), Volume 38 – No.4, July **2010**.