

**Jamal Mahmoud abu Hassan**  
 Department of Information Technology  
 Community College  
 University of Sharjah  
 P.O. Box 27272, Sharjah, UAE  
*Office Phone: +971.6.5057913*  
*jamalmm@sharjah.ac.ae*

### Qualifications

| Year | Degree                       | Field                    | Institution                         |
|------|------------------------------|--------------------------|-------------------------------------|
| 2005 | Master in Computer Science   | Medical Image Processing | University of Sharjah - Sharjah-UAE |
| 1994 | Bachelor in Computer Science | Computer Science         | Yarmouk University - Irbid-Jordan.  |

### Languages

Arabic and English

### Nationality

Jordanian

### Employment

| Date                        | Position                      | College Department            | University or Company              |
|-----------------------------|-------------------------------|-------------------------------|------------------------------------|
| Oct, 1st,2005-Now           | Lecturer                      | Community College             | University Of Sharjah              |
| Sep, 1st,2007-2012          | Lecturer & IT Department Head | Community College             | University Of Sharjah              |
| Sep, 1st,1998-Sep, 30,2005  | Lab Assistant                 | Computer Science              | University Of Sharjah              |
| Sep, 15,1996-Aug, 31,1998   | Computer Teacher              | Industrial Secondary School   | Ministry of Education Dubai-U.A.E. |
| Mar, 1st,1997-Mar, 30,1998  | Teacher of Computer Courses   | Middle East Institute         | Sharjah-U.A.E.                     |
| Sep, 1st,1994-Sep, 1st,1996 | Lab Technician                | Philadelphia University       | Amman-Jordan.                      |
| Aug, 20,1994-Sep, 1st,1996  | Teacher of Computer Courses   | Irbid Center For Software     | Irbid-Jordan.                      |
| Feb, 1st,1994-Jul, 20,1994  | Teacher of Computer Courses   | Spectra for Eng. And Software | Irbid-Jordan.                      |

## Courses Taught

| <b>Date</b> | <b>Course Number</b> | <b>Course Name</b>                 | <b>Number of Students</b> |
|-------------|----------------------|------------------------------------|---------------------------|
| 2005-Now    | 1213111              | Computer Skills                    |                           |
| 2005-Now    | 1213115              | Internet and Computer Applications |                           |
| 2005-Now    | 1213114              | Introduction to Programming        |                           |
| 2005-Now    | 1213219              | Computer Application Development   |                           |
| 2005-Now    | 1213116              | Introduction to Web Design         |                           |
| 2005-Now    | 1213215              | Database Applications              |                           |
| 2001-2002   |                      | Computer Basics                    |                           |
| 1996-1998   |                      | Programming Language (Pascal)      |                           |
| 1996        |                      | FoxPro Database                    |                           |
| 1996        |                      | Introduction to Internet           |                           |
| 2005        |                      | ICDL                               |                           |
| 1998-2005   |                      | SQL                                |                           |
| 1998-2005   |                      | Introduction to UNIX (Lab)         |                           |
| 1998-2005   |                      | Programming Languages Lab (C++)    |                           |

## Professional Activities

| <b>Date</b> | <b>Title/Position</b>   | <b>Activity</b>  | <b>Location</b>                    |
|-------------|---|--|------------------------------------|
| 2007-2012   | IT Department Head  | Running the Department matters   | UOS - Community College - IT Dept. |
| 2007-2012   | College Council member  | Running the College matters  | UOS - Community College            |
| 2007-Now    | Coordinator / member of the Timetable and Exams Committee at College/ Department levels | Preparing the Dept. TT and Exams TT.                                   | UOS - Community College - IT Dept. |
| 2007-2015   | Member of Curriculum and Accreditation Committee  | Revising and updating the Dept. Curriculums                            | UOS - Community College - IT Dept. |
| 2007-2014   | Member of Hiring Committee  | Meeting new faculties to hire at the Dept.                             | UOS - Community College - IT Dept. |
| 2007-2014   | Coordinator/member of the Students Affair Committee                                     | Involving the students with the Dept. matters.                         | UOS - Community College - IT Dept. |
| 2005-2008   | Academic Advisor in the summer training   | Supervising the students at their training locations.                  | UOS - Community College - IT Dept. |
| 2008-2009   | Supervising the participation in the Open Day   | Helping in preparing the materials and faculty participating schedule. | UOS.                               |
| 2009        | Participating and attending the annual meeting for faculty members.                     | Brainstorming on College related issues.                               | UOS - Community College.           |
| 2007-2014   | Supervising the organizing of the Annual IT Exhibition.                                 | Supervising.   | UOS - Community College - IT Dept. |

## Research

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| <ul style="list-style-type: none"><li>▪ Rachid Sammouda, Mohammed Sammouda and Jamal Abu Hassan, Accurate Extraction Algorithm of Lung Regions from Chest CT Images, International Conference on Internet and Multimedia Systems and Applications, Switzerland, EuroIMSA, vol. 9, p 438-444, Feb., 2005.</li></ul>   |
| <ul style="list-style-type: none"><li>▪ Zaher Aghbari, Rachid Sammouda and Jamal Abu Hassan, Bayesian Based Classifier for Mining Image Classes, IADIS International Conference on Applied Computing (AC 2005), Algarve, Portugal, Feb., 2005.</li></ul>   |
| <ul style="list-style-type: none"><li>▪ Rachid Sammouda, Jamal abu Hassan, Mohammed Sammouda, Hatem abou ElAbbas and Abdulridha Al-Zuhairy, Comparison of a Genetic Algorithm &amp; Hopfield Neural Network in Segmenting Lung Regions in Chest CT Images, The 7th International Conference on Information Integration and Web-based Applications and Services, (IIWAS2005), kuala Lumpur, Malaysia, Sep., 2005.</li></ul>       |
| <ul style="list-style-type: none"><li>▪ R. Sammouda, J. Abu Hassan, M. Sammouda, A. Al-Zuhairy and H. abou ElAbbas, Computer Aided Diagnosis System for Early Detection of Lung Cancer Using Chest Computer Tomography Images, International Conference on Machine Intelligence, ACIDCA-ICMI'2005, Tozeur - Tunisia, Nov., 2005.</li></ul>   |
| <ul style="list-style-type: none"><li>▪ Rachid Sammouda, Jamal abu Hassan and Mohammed Sammouda, Genetic algorithms and Artificial Neural Network in Segmenting Lung Regions in Chest CT Images, International Conference on Graphics, Vision and Image Processing, (GVIP-05), vol. 5, Cairo - Egypt, Dec., 2005.</li></ul>  |
| <ul style="list-style-type: none"><li>▪ Rachid Sammouda, Mohammed Sammouda and Jamal Abu Hassan, Automatic Lung Regions Extraction Algorithm from 3d Ct-Images Based on The Bit-Plane Slicing Technique, University of Sharjah Journal of Pure &amp; Applied Sciences, vol. 3, o. 1, p 13-32 , Feb., 2006.</li></ul>   |
| <ul style="list-style-type: none"><li>▪ Rachid Sammouda, Jamal abu Hassan and Mohammed Sammouda, Abdulridha Al-Zuhairy and Hatem abou ElAbbas, Computer Aided Diagnosis System for Early Detection of Lung Cancer Using Chest Computer Tomography Images, accepted to publish in ICGST International Journal on Graphics, Vision and Image Processing, Special Issue on Medical Image Processing, Cairo - Egypt, 2006.</li></ul> |

## Others

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| <ul style="list-style-type: none"><li>▪ I have obtained the prize of the best head of department at Community College – University of Sharjah, 2010.</li></ul>   |
| <ul style="list-style-type: none"><li>▪ Participate in a faculty Summit on Mobile Devising in Computing Education, which was held at Zayed University – 2010.</li></ul>  |
| <ul style="list-style-type: none"><li>▪ Participate in a seminar “outcomes-based learning and evaluation mechanisms”, which was held at the University of Sharjah – 2006.</li></ul>  |
| <ul style="list-style-type: none"><li>▪ My research entitled “Automatic Lung Regions Extraction Algorithm from 3d Ct-Images Based on The Bit-Plane Slicing Technique” has got the prize for the best scientific research at the University of Sharjah in 2006 under the auspices of the Organization of the Research Center at the University.</li></ul> |
| <ul style="list-style-type: none"><li>▪ Participate in the exhibition accompanying the opening ceremony of "2005 is the year of Information Technology at the University of Sharjah", which was held at the University of Sharjah – 2005.</li></ul>  |
| <ul style="list-style-type: none"><li>▪ I taught ICDL training courses arranged by Center for Continuing Education, University of Sharjah, 2005.</li></ul>   |
| <ul style="list-style-type: none"><li>▪ Assist in the design and updating of the Computer Science department at the University of Sharjah, 2004.</li></ul>   |
| <ul style="list-style-type: none"><li>▪ Participate in preparation, setting and organizing the National Programming Contest (NPC) held in Sharjah in years 2003 – 2005.</li></ul>  |
| <ul style="list-style-type: none"><li>▪ I was a member of the “Distinguish Student Committee” arranged by Sharjah government in March, 2003. We were responsible of choosing the distinguish students among all the schools in Sharjah.</li></ul>  |
| <ul style="list-style-type: none"><li>▪ I participate in “Carrier Development Program” at Khorfakkan arranged by university of Sharjah as a computer teacher, 2001-2002.</li></ul>   |
| <ul style="list-style-type: none"><li>▪ During my work at Middle East Institute, I taught diploma students some computer courses such as Pascal, 1997-1998.</li></ul>  |
| <ul style="list-style-type: none"><li>▪ During my work as a teacher at the ministry of education, I taught several computer courses to students, teachers, and employees in different locations under the supervision of Technical Education Administration in Dubai, 1996-1998.</li></ul>   |
| <ul style="list-style-type: none"><li>▪ During my work as a lab technician at Philadelphia University, I taught several computer courses, such as, Pascal, Database and internet applications, 1994-1996.</li></ul>  |
| <ul style="list-style-type: none"><li>▪ Develop a compiler, editor, monitor, assembler and simulation for UNIX operating system programs as my Bachelor graduation projects, 1994.</li></ul>   |
| <ul style="list-style-type: none"><li>▪ Design and develop a plant shop program using FoxPro, 1994.</li></ul>  |