


# CV

| Personal Information                      |   |                            |   |  |   |                                      |
|---|---|----------------------------|---|--|---|--------------------------------------|
| Name                                      | Abdelaziz Mohamed<br>abdelaziz abdelbar   |                            |   |  |   |                                      |
| Contact Information                       |   |                            |   |  |   |                                      |
|   |   | Mobile No.                 | +20100 1522 782                           |  |   |                                      |
|   |   | E-mail ID.                 | Drabdelazeez2015@gmail.com                |  |   |                                      |
| Education                                 |   |                            |   |  |   |                                      |
| Degree                                    | Bachelor  | Master                     | PhD                                       |  |   |                                      |
| University Name                           | Military Technical college  | Military Technical college | Engineering college, Ain shams university |  |   |                                      |
| Country                                   | Egypt   | Egypt                      | Egypt                                     |  |   |                                      |
| Date of obtaining degree                  | July 1988   | January 1999               | June 2016                                 |  |   |                                      |
| Bachelor (Major / Specialization)         | Communication& electronics Engineering ( MTC)   |                            |   |  |   |                                      |
| Master (Major / Specialization)           | Computer Engineering  |                            |   |  |   |                                      |
| Title of Master Thesis                    | Decision support Systems for computer Communication systems<br>Computer engineering (MTC)         |                            |   |  |   |                                      |
| PhD (Major / Specialization)              | Communications and Electronic Engineering) Electronic microwave) ( ASU)                           |                            |   |  |   |                                      |
| Title of Ph.D. Dissertation               | Radio Frequency power Amplifier for green Communications  |                            |   |  |   |                                      |
| Study Mode (for the last degree obtained) | <input checked="" type="checkbox"/> On-Campus <input type="checkbox"/> Online (Distance) Learning |                            |   |  |   |                                      |
| Experience                                |   |                            |   |  |   |                                      |
| From<br>D/M/Y                             | To<br>D/M/Y   | Position<br>/Title         | Institution<br>Name                       | Country  | Nature of<br>work<br>Teaching/<br>Research/<br>Administration | Type of work<br>Full Time/ Part Time |
| 1/10/1994                                 | 1/10/1998   | Master student             | Military Technical College                | Egypt  | Research  | Full Time                            |
| 20/3/2012                                 | June 2016   | Lecture                    | Nahda University                          | Egypt  | Teaching  | Full time                            |
| June 2016                                 | Now   | Asist Prof.                | Nahda University                          | Egypt  | Teaching& head of   | Full time                            |

|            |  |  |                                       |       |  |           |
|------------|--|--|---------------------------------------|-------|--|-----------|
|            |  |  |                                       |       | computer science Dep. Vice Dean, Head of Information technology Dep. |           |
| March 2025 |  |  | High Electronic Engineering institute | Egypt | Teaching   | Part time |
|            |  |  |                                       |       |  |           |

### Courses Taught

Information Technology,  
Internet of things ( IOT)  
Cloud computing  
File organizations,  
Computer Network,  
Communication Systems,  
Expert systems,  
Computer peripherals,  
computer interface  
logic design  
, introduction to web technology,  
Object oriented programming C+ +,  
Embedded systems,  
computer architecture and organizations  
Frequency hopping  
Green communications

### Academic Activities

| Type                       | Total no. | Title   | Date             |
|----------------------------|-----------|---|------------------|
| <b>Scientific Research</b> |           |   |                  |
| <b>Publications</b>        | 5         | 1-Abdelaziz M.A. Abdelbar ; Ayman M. El-Tager<br>Nonlinear Modelling of RF GaN Devices and Utilization in RF Power Amplifiers for 4G Applications<br>2018 International Conference on High Performance Computing & Simulation (HPCS)<br>Year: 2018   Conference Paper   Publisher: IEEE<br><br>2-AbdelazizM. Abdelbar ; Ayman M. El-Tager ; Hadia S. El-Hennawy | 2018<br><br>2018 |

|                                    |   |   |   |
|------------------------------------|---|---|---|
|                                    |   | <p>Radio frequency power amplifier for green communications based on 10W GaN HEMT</p> <p>2018 35th National Radio Science Conference (NRSC)</p> <p>Year: 2018   Conference Paper   Publisher: IEEE</p> <p>3-abdelbar , novel simulation model for AlGaIn/GaN HBT , the frist annual international Conference on sciene , technology and entrepreneurship ,Dec 2017</p>  | <p>2017</p> <p>2015</p>                 |
|                                    |   | <p>4-Abdelaziz M.A. Abdelbar ; Ayman M. El-Tager,Hadia Elhenawy</p> <p>Utilization of GaN HEMT in Power Amplifiers for Green Communication systems, International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE)</p> <p>Volume 4, Issue 3 March 2015</p> <p>5-Abdelaziz M.A. Abdelbar ; Ayman M. El-Tager,Hadia Elhenawy</p> <p>COMPARISON STUDY OF HBT DEVICES BASED-ON ALGAAS/GAAS AND ALGAN/GAN, AL-AZHAR ENGINEERING THIRTEENTH INTERNATIONAL CONFERENCE</p> <p>December 23-25, 2014</p> | <p>2014</p>                             |
| <b>Books Published</b>             | 1 | Frequency hopping communications  | 1998                                    |
| <b>Conferences</b>                 |   | Towards Building Egyptian Knowledge an innovation society   | Oct 2017                                |
| <b>Seminars</b>                    | 1 | Novel HBT modelling   | Dec 2017                                |
| <b>Consultation &amp; Services</b> |   | Developed Radio Frequency Power Amplifier for Green Communications10 w.   |   |
| <b>Training Courses Attended</b>   |   | <p>1- Exam systems and student assessment</p> <p>2- Credit Hours systems</p> <p>3- Quality in the educational process</p> <p>4- Time management</p> <p>5- Communication skills in different types of education</p> <p>6- Effective presentation skills</p> <p>7- Self-evaluation of higher educations</p>   | <p>Feb 2016</p> <p>2016</p> <p>2016</p> |

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|--|--|---|--|
|  |  | 8- Quality system documentations<br>9- Quality assurance method and Technique<br>10- Process review course<br>11- Internal auditing of quality systems<br>12- Risk management<br>13- Statistical process Control<br>14- ISO9000-2000 series foundation training course<br>15- ISO14000 series foundation training course<br>16- Internal QMS, Auditor training Course<br>17- Six sigma<br>18- Administrative strategy of quality improvement<br>19- Codex Alimentarius HACCP and ISO22000 Food safety and quality management system<br>20- Strategy planning<br>21- | 2016<br>2016<br>2016<br>October 7 , 2001<br>March, 2005<br>March, 2005<br>Feb 2003<br>Oct 2001<br>Feb 2002<br>Feb 2004<br>Feb 2004<br>Feb 2004<br>Nov 2005<br>May 2005<br><br>2008<br>2008 |
| <b>Participation/Organizing training workshops</b> |  | -Participated in the preparation of the college to the degree equivalent to the degree of BA in Egyptian universities from the Supreme Council of Universities.<br>-Participated in the preparation of the college to increase the number of students in the college.<br>-Supervised more than 20 graduation projects<br>Coordination with the Egyptian Ministry of Communications to train the college students  | 2015<br>2019<br><br>2012 until now   |
| <b>Practicing Activities</b>                       |  | Participation in the preparation of a conference with UniMap University Nahda university  | 2018   |