**CURRICULUM VITAE**

**COMPUTER SCIENCE DEPARTMENT**

**FACULTY OF PHYSICAL SCIENCES**

**NNAMDI AZIKIWE UNIVERSITY, AWKA**

**2020/2021 ACADEMIC SESSION**

1. **DEMOGRAPHIC DATA**

|  |  |  |
| --- | --- | --- |
| **1.** | **FULL NAME:** | Mbeledogu NjidekaNkemdilim |
| **2.** | **STAFF NO:** | SS-1205 |
| **3.** | **SUBSTANTIVE POST:** | Senior Lecturer |
| **4.** | **DATE OF LAST PROMOTION TO SUBSTANTIVE RANK:** | Ist Oct., 2017 |
| **5.** | **FACULTY:** | Physical Science |
| **6.** | **DEPARTMENT:** | Computer Science |
| **7.** | **DATE AND PLACE OF BIRTH:** | 3rd march, 1975 – Enugu |
| **8.** | **SEX:** | Female |
| **9.** | **HOME TOWN:** | Ogidi |
| **10.** | **LOCAL GOVT. AREA:** | Idemili North |
| **11.** | **STATE OF ORIGIN:** | Anambra |
| **12.** | **NATIONALITY:** | Nigerian |
| **13.** | **RELIGION:** | Christian |
| **14.** | **PERMANENT HOME ADDRESS:** | No 1 Sir Emeka Mbeledogu Street,NkwelleOgidi, Ogidi, Anambra State |
| **15.**  | **CURRENT PLACE OF WORK:** | Department Of Computer Science,NnamdiAzikiwe University, AwkaAnambra State. |
| **16.** | **MOBILE PHONE NO:** | 08036686032 |
| **17.** | **E-MAIL:****ALTERNATIVE E**-MAIL: | nn.mbeledogu@unizik.edu.ngnjidembeledogu@yahoo.com |
| **18.** | **MARITAL STATUS:** | Married |

1. **ACADEMIC QUALIFICATION**

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| --- | --- | --- | --- |
| **S/N** | **INSTITUTION** | **DATES** | **DEGREE** |
| 1. | University of Benin, Benin City | 2006-2016 | PhD (Computer Science) |
| 2. | NnamdiAzikiwe University, Awka. | 2001-2005 | M.Sc.(Computer Science ) |
| 3. | NnamdiAzikiwe University, Awka. | 1993-1998 | B.Sc.(Computer Science – Second Class Upper) |
| 4. | Federal Govt. Girls’ College, Bauchi | 1986-1992 | Senior Secondary School Certificate |
| 5. | Ekulu Primary School, Enugu | 1980-1986 | First School Leaving Certificate |

**ACADEMIC DISTINCTION**

Federal Govt. Post-Graduate Scholarship Award 2001

1. **RELEVANT EXPERIENCE**
2. **TEACHING EXPERIENCE**

|  |  |
| --- | --- |
| October 1,2017 - Date | Senior Lecturer |
| October 1, 2009–30th Sept., 2017 | Lecturer I |
| Feb.9, 2006 – 30th Sept., 2009 | Lecturer II |
| Feb.9, 2005 – Feb. 9, 2006 | Assistant Lecturer |
| August 27, 2001 – Feb.9, 2005 | Graduate Assistant |

1. **INDUSTRIAL EXPERIENCE**

|  |  |  |
| --- | --- | --- |
| **DATES** | **EMPLOYER** | **POSITION HELD** |
| 1994-1995 | NextGen Comp. Tech., 24 Old Market Rd., Onistha, Anambra. | Trainer – Industrial Attachment. |
| 1999-2000 | NextGen Comp. Tech., 24 Old Market Rd., Onistha, Anambra. | Trainer – NYSC |

1. **RESEARCH EXPERIENCE**

|  |  |  |
| --- | --- | --- |
| i. | Artificial Intelligence | PhD |
| ii. | Web Development | MSc. |
| iii. | Management Information System | BSc. |

1. **CREATIVE OUTPUT**
2. **BOOKS:**
3. **BOOK CHAPTER:**

Umeh M.N. and MbeledoguN.N.(2011), Scientific Methodology edited by Ikpegbu J.M., Ubaoji K.I. and Uzor C.E. Pages 48-81 in Trends in the History and Philosophy of Science, School of General Studies, NnamdiAzikiwe University, Awka, ISBN 979-050-327-7

1. **TEXTBOOKS:**
2. Nweke C.U., Umeh M.N., MbeledoguN.N and Fakoya A.O.(2014), Programming with Visual Basic. Net (A step by step Approach), NCI Service Press, Onitsha.ISBN: 978-978-938-118-0
3. Okide .S., Onuodu .F., Mbeledogu .N. and Ezekwe .C.(2011),System Analysis, Design & Development, Heroes Publishers, 51 Old Market Road, Onitsha, Anambra State. ISBN 876-540-708-870-98
4. **JOURNAL ARTICLES:**
5. Enisuoh, T.A., Okonkwo, O.R. & **Mbeledogu, N.N.** (2021). Comparative Study between Greedy and Genetic Algorithms in Optimal Cellular Masts Hoisting over Population Coverage, JCSE International Journal of Computer Sciences and Engineering, Vol. 9, Issue 7, Pgs. 26-34, E-ISSN:2347-2693. (http://doi.org/10.26438/ijcse/v9i7.2634
6. ChukwuNonso .H. Nwokoye, Ikechukwu .I. Umeh, **Njideka .N. Mbeledogu** & Vincent .O.S. Okeke (2021). Scan-Based Worms: The Impact of IPV4 Address Space on Epidermic Computer Network Models, Engineering Letters, Vol. 29, Issue 2, EL\_29\_2\_29, Pgs.1-12.
7. Ezeugbor, I.C., Onyesolu, M.O., **Mbeledogu, N.N**. & Okolo, C.C. (2021). A Novel Model for Identifying and Collating Fragments in Distributed System, Global Scientific Journals, Vol. 9, Issue 6, Pgs. 1-9, ISSN 2320-9186. (www.globalscientificjournal.com)
8. **Njideka Mbeledogu**, Ikechukwu Umeh & ChukwuNonso Nwokoye (2021). An Online Voting Platform for Nigeria’s Independent National Electoral Commission, International Journal of Advanced Trends in Computer Science and Engineering, Vol. 10, No. 2, Pgs. 1392-1398, ISSN 2278-3091. (<http://www.warse.org/IJATCSE/static/pdf/file/ijatcse1271022021.pdf>
9. Ikechukwu Onyenwe, Samuel Nwogbo, **Njideka Mbeledogu** & Ebele Onyedinma (2020). The Impact of Political Party/Candidate on the Election Results from a Sentiment Analysis Perspective using #AnambraDecides2017, Social Network Analysis and Mining, Springer-Verlag GmbH Austria, Vol. 10, No. 1, Pgs. 1-17, ISSN 1869-5450. https://doi.org/10.1007/s13278-020-00667-2
10. Idoko Nnamdi .A., Onyedeke Obinna Cyril, Kingsley Chukwuemeka Ubani & **Njideka Mbeledogu .N.** (2020). An Optimization of a Ghost Worker Detection System using Hybrid Technology, International Journal of Computer Science Trends and Technology, Vol. 8, Issue 3, Pgs. 4-16, ISSN: 2347-8578. www.ijcstjournal.org
11. Nwokoye C.N., Umeh .I. and Mbeledogu .N. (2019), GeoNaija: Enancing the Teaching and Learning of Geography through Mobile Applications, International journal of Education and Management Engineering 9(6).
12. Nwokoye H. ChukwuNonso, Mbeledogu N. Njideka, Ejimofor A. Ihekeremma (2017), The Impact of Sensor Area on Worm Propagation Using SEIR and SEIR-V Models: A Preliminary Investigation, Research Association of Modern Education and Computer Science, I.J Wireless and Microwave Technologies, MECS publisher, 6, Pgs.33-45, www.mecs-press.net
13. Mbeledogu N.N., Chiemeke S.C., Imianvan A.A. and Ekuobase G.O. (2016), Soft Computing Stock Price Market Prediction for Nigerian Stock Exchange, International Journal of Advanced Engineering, Management and Science, Vol. 2 Issue 7, Pgs. 1028-1032,ISSN: 2454-1311, [www.ijaems.com](http://www.ijaems.com)
14. EzelioraChukwuemeka D., UmehMaryrose N., MbabuikeIkenna U. and Mbeledogu Njideka N. (2015), Measuring the Forecasting Accuracy for Masters Energy Oil and Gas Products, Journal of Scientific and Engineering Research, 2(2):52-70, ISSN: 2394-2630,www.jsaer.com
15. Umeh Mary-Rose .N., Mbeledogu Njideka N. , Okafor S.O. and Agba F.C. (2015), Intelligent Microcontroller-based irrigation system with sensors, American Journal of Computer Science and Engineering, 2(1):1-4, [www.openscienceonline.com/journal/ajcse](http://www.openscienceonline.com/journal/ajcse)
16. Umeh Mary-Rose .N. and Mbeledogu Njideka N (2014), Statistical Analysis of the Implementation of Capital Budget in Anambra State, Nigeria, Journal of Scientific and Engineering Research, 1(2):12-24, ISSN:2394-2630, www.jsaer.com
17. Umeh Mary-Rose Ngozi, EzelioraChukwuemeka Daniel, Mbeledogu Njideka N. and Adinna B.O (2014), Appraisal of the Budget Allocation Variables for Optimum Response, International Journal of Scientific & Engineering Research, USA, Vol. 5, Issue 5, Pgs. 1525 – 1534, ISSN: 2229 – 5518. www.ijser.org
18. Ezeliora Chukwuemeka Daniel, OgunoArinze Victor, UmehMaryroseNgozi, Mbeledogu Njideka .N.(2014), Analysis of Queuing System Using Single-Line Multiple Servers System: ( A case Study of Shoprite Plaza, Enugu State, Nigeria), International Journal of Scientific & Engineering Research, Vol. 3, Issue 3, Pgs. 364 – 374, ISSN 2277 – 8616. www.ijstr.org
19. Ezeliora Chukwuemeka Daniel, Umeh Mary-Rose .N., Mbeledogu Njideka .N., Ezeokonkwo John .U.(2014), Improving the productivity of small and medium scale industries using linear programming model: International Journal of Scientific & Engineering Research, USA, Vol. 5, Issue 1, Pgs. 2009 – 2025, ISSN: 2229 – 5518. [www.ijser.org](http://www.ijser.org)
20. Ezeliora Chukwuemeka Daniel, UmehMaryroseNgozi, Mbeledogu Njideka .N., OkoyeUgochukwu Patrick (2014), Application of forecasting Methods for the Estimation of Production Demand: International Journal of Science, Engineering and Technology Research, India, Vol. 3, Issue 2, Pgs. 184-202, ISSN: 2278 – 7798. IJSETR, [www.ijsetr.org](http://www.ijsetr.org)
21. McChesterOdoh, OsitaEbere, Mbeledogu.N.N (2013), An Investigation of Electronic Procurement Practises by the Multi-National Gas and Oil Companies in Nigeria: International Journal of Advanced and Innovative Research (IJAIR), Vol. 2, Issue 10, Pgs. 7- 13, ISSN No: 2278 – 7844
22. McChesterOdoh, OsitaEbere, Mbeledogu .N.N (2013), Computer Systems Application in Inventory Control and Material Management: International Journal of Advanced and Innovative Research (IJAIR), Vol. 2, Issue 10, Pgs. 14 – 21, ISSN No: 2278 – 7844
23. EzelioraChukwuemeka Daniel, Ubani Nelson .O.,UmehMaryroseNgozi, Mbeledogu Njideka .N.(2013), Time Series Decomposition Analysis of Production Quantity Using Historical data: International Journal 0f software and Hardware Research in Engineering, Vol. 1 Issue 4,Pgs. 101-116. ISSN No: 2347-4890.[www.ijshre.com](http://www.ijshre.com)
24. Chikwendu C.R, Umeh M.N, Mbeledogu I.U, Nwachukwu E.O and Mbeledogu N.N (2012), Application of Goal Programming Technique in government Statutory Budget in Anambra State, International Journal of Pure and Applied Sciences, Vol. 11, No. 2, Pgs. 74-80, ISSN: 1118-1931. www.scientia-africana-uniportjournal.info
25. Odoh .M., Mbeledogu .N. and Okonkwo .R.(2012), Modeling and Application of a modified Attributional Psychometric Instrument in Information in Technology, IOSR – International Journal of Computer Engineering, Vol. 3, Issue 3, Pgs. 1-7.www..iosrjournals.org
26. McChester .O.Odoh, Okonkwo .R. and Mbeledogu.N.N (2012), Human Computer Interaction: A study of preferences between electronic commerce interface (ECI) and Mainframe Text-based travel Expense System”, International Journal of science and Technology (IJST), Vol.2, No.3, Pgs. 134-138, ISSN 2224-3577. www.ejournalofsciences.org
27. Mbeledogu .N and Umeh .M (2009),A multiple-neuron perceptron to implement the Universal Logic gates”, Journal Of Science, Engineering and Technology, Vol.12 No.3 ISSN 1117-4196.
28. Mbeledogu .N.N (2008),Using a Web-Based Medical Information System To create a sustainable herbal medicine awareness in Nigeria”, Journal Of Science, Engineering and Technology, Vol.15 No.2, Pgs. 8231-8238, ISSN 1117-4196.
29. Mbeledogu N.N (2008),Very-Large-Scale-Integrated(VLSI) Technology implementation with neural network, Journal Of Applied Science, Vol. 11 No. 2, Pgs. 7787-7797, ISSN 1119 – 0965.
30. Mbeledogu .N.N(2008),Neural Network- Challenges and Trends in the new informationage, Journal Of Applied Science, Vol. 11 No.1, Pgs.7726-7738, ISSN 1119 – 0965.
31. Onyesolu. M and Mbeledogu .N (2005),Groupware- A collaborative tool for improved information and communication, Journal Of Applied Science , Vol. 8 No. 1, Pgs. 4587-4593, ISSN 1119 – 0965

**CONFERENCE PAPERS**

1. Chukwunonso .H. Nwokoye, Ejiofor. E. Virginia, Orji Rita and Mbeledogu Njideka .N (2016), The Topicality of Agent-Based Modeling Multi Agent Systems in Human Computer Interaction Research: An African Perspective, Proceedings of First African Conference on Human Computer Interaction (AfriCHI’16) ACM, Pgs. 80-91, November 2016, Nairobi, Kenya.
2. Chukwunonso .H. Nwokoye, Ejiofor. E. Virginia, Orji Rita, Mbeledogu Njideka .N and UmehIkechukwu(2016), Investigating the Effect of Uniform Random Distribution of Nodes in Wireless Sensor Networks Using an Epidemic Worm Model, 2nd International Conference on Computing Research and Innovation (CoRI’16), Pgs. 58-63, September 2016, Ibadan, Nigeria.
3. Mbeledogu N.N., Odoh M. and Umeh M.N (2012), Stock Feature Extraction Using Principal Component Analysis, International Conference on Computer Technology and Science (ICCTS) IPCSIT, Pgs. 236-241, August 2012, Vol. 47 IACSIT Press, Singapore.
4. Odoh M., Mbeledogu N.N. and Umeh M.N.(2012), The Role Of Academia in the Development of Information Technology: A reflection on the third World Countries, International Conference on Science and Sustainable Development, July 2012, Vol. 4 No. 3, Pgs. 67-82, University Of Abomey-Calavi, Cotonu, Republic Of Benin. www.panafricanjournal.org
5. Umeh M.N., Folajimi Y.O. and Mbeledogu N.N.(2010), Computer-Based Voting System: A means to Credible Election, The 23rd National Conference & AGM (ResDemit 2010) of Nigeria Computer Society (NCS) , Vol.24, Asaba.
6. **ACADEMIC LEADERSHIP QUALITIES**

Graduate Work Supervision

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S/N | Name &RegNo of Student | Title of Thesis | Sole/ Collaborative Supervisor | Status of Research |
| 1. | Enisuoh, Ambrose Tamaraebi2013516001F | Design & Implementation of Optimal Cellular Mast Hoisting using Greedy Algorithm | Collaborative | Completed |
| 2. | Disemoh, Blessing Oyinmiebi2018516006F | Soft Computing Career Guidance and Forecasting System | Sole Supervisor | Proposal |
| 3. | Fakorede, Matthew Femi2018516011F | Design & Implementation of Nutritional Value Expert System | Sole Supervisor | Proposal |

1. **CONTRIBUTION TO UNIVERSITY/SOCIETY**
2. **ACADEMIC AND EDUCATION**

|  |  |  |
| --- | --- | --- |
| i. | Deputy Director, Prescience Programme | 2020-Date |
| ii. | Member, Quality Assurance Committee | 2020-Date |
| iii. | Member, Faculty of Physical Sciences Misconduct Commitee | 2018-Date |
| iv. | Member, PG Lecture Monitoring Committee | 2018/2019 |
| v. | Secretary, Departmental Appraisal Board | 2017/2018- Date |
| vi. | Departmental Continue Education Programme (CEP) Coordinator | 2017-Date |
| vii. | Head, Departmental Examination Officer | 2017-Date |
| viii. | Member, Departmental committee on PG documentation format: | 2017 |
| ix. | Member, Faculty of Physical Sciences Laboratory Committee: | 2016-Date |
| x. | Member, Adhoc Panel to investigate the case between the HOD, Pure and Industrial Chemistry, Dr. T.U. Onuegbu and the Chief Technologist: | 2014-2015 |
| xi. | Member, Environmental committee on sanitation, Faculty of Physical Science: | 2013-2015 |
| xii. | Member, Departmental Appraisal Board: | 2011/2012 |
| xiii | Academic Adviser for undergraduates: | 2006-Date |
| xiv | Departmental Examination Officer: | 2001-Date |

1. **REPRESENTATION IN OUTSIDE BODY**

|  |  |
| --- | --- |
| i. | Member Of Nigeria Computer Society (NCS) – Full Member |
| ii. | Member Of Computer Professional Of Nigeria (CPN). |
| iii. | Member Of Organization For Women in Science For The Developing World (OWSD) NAU Chapter. |
| iv. | Member of St. Philip Anglican Mother’s Union, Ogidi. |
| v. | Member of St. Philip Anglican Women’s Guild, Ogidi. |

1. **REFEREES**

|  |  |
| --- | --- |
| **A.** | Prof. Ada Sam-OmenyiDirector, Continuing Education ProgrammeNnamdiAzikiwe University, Awka. |
| **B.** | Mr. U.J. AguDirector, Revenue DriveNnamdiAzikiweUniversity,Awka. |
| **C.** | Prof. E.U. OfoeduDirector, Quality AssuranceNnamdiAzikiwe University, Awka. |

**ATTESTATION:**

I certify that the information given in all the above sections and paragraphs are correct.

Mbeledogu, NjidekaNkemdilim ……………………….. ……………………….

 Name Signature Date

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