**Curriculum Vitae**

**Section A: Personal Data**

|  |  |
| --- | --- |
| **Name** | **ASANI**, Emmanuel Oluwatobi |
| **Date of birth** | April 25, 1984 |
| **Gender** | Male |
| **Town** | Ijebu-Igbo |
| **Local Govt. Area** | Ijebu North |
| **State of Origin** | Ogun State |
| **Nationality** | Nigerian |
| **Marital Status** | Married |
| **Religion** | Christianity |
| **Number of Children** | 2 |
| **Contact Address** | Department of Computer Science, Landmark University, Omu-Aran. Nigeria. |
| **Residential Address** | Block 10, Flat 1, Landmark University Residential Quarters, Landmark University, Omu-aran. Nigeria. |
| **Telephone Number** | 2348025717404 |
| **E-mail Address (@lmu.edu.ng)** | [asani.emmanuel@lmu.edu.ng](mailto:asani.emmanuel@lmu.edu.ng) |
| **Alternate e-mail** | [asanitobiloba@gmail.com](mailto:asanitobiloba@gmail.com) |
| **Present Position** | Lecturer I |
| **Current Salary Scale** | LUASS[10A]/[01] |
| **Post Applied for** | Senior Lecturer |

**Section B: Education History**

1. **Institutions Attended with Dates and Academic Qualifications**

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Institution** | **Degree Type** | **Year** |
| 1 | Landmark University | Ph.D | 2021 |
| 2 | University of Ibadan | M.Sc. | 2011 |
| 3 | University of Ilorin | B.Sc. | 2006 |

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| --- | --- | --- | --- |
| **#** | **Institution** | **Rank** | **Date** |
| 1 | Landmark University | Lecturer I | 2021 - date |
| 2 | Landmark University | Lecturer II | 2016 - 2021 |
| 3 | Landmark University | Assistant Lecturer | 2013 - 2016 |

1. **Teaching Experience**
2. **Academic and Administrative Positions Held**

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Position** | **From** | **To** |
| 1 | Examination Officer, College of Pure and Applied Sciences | 2021 | date |
| 2 | Examination Officer, Department of Computer Science | 2015 | 2021 |
| 3 | Patron, National Association of Computing Students, LMU Chapter | 2019 | 2021 |
| 4 | Chair, College Week Committee, College of Science and engineering | 2017 | 2018 |
| 5 | Examination Officer | 2013 | 2014 |
| 6 | Academic Level Adviser, Computer Science 300L, 400L | 2013 | 2016 |

1. **Courses Taught**

|  |  |  |
| --- | --- | --- |
| **#** | **Course Code** | **Course title** |
| 1 | CSC 411 | Software Engineering |
| 2 | CSC 413 | Analysis of Algorithms |
| 3 | CSC 415 | Artificial Intelligence |
| 4 | CSC 435 | Computer Graphics |
| 5 | CSC 421 | Computer Security |
| 6 | CSC 427 | System Administration |
| 7 | CSC 426 | Logic Programming |
| 8 | CSC 422 | Software Reliability and Quality Assurance |
| 9 | CSC 312 | Data Structures and Algorithms |
| 10 | CSC 214/224 | Data Management I |
| 12 | CSC 225 | Use of Software Packages |
| 13 | GEC 215/225 | Applied Computer Programming I |
| 15 | CSC 111 | Introduction to Computer Science |
| 16 | CSC 122 | Computer Programming I |

1. **Scholarship, Grants, Fellowship and Prizes**

* Travel fellowship award, First Nigerian Bioinformatics Conference, Lagos, 2019
* HULT Prize OnCampus Certificate of Recognition as Participating Judge, 2019
* Certificate of Completion; AWARD Mentoring Skills for Emerging Leaders 2018
* Distinguished Mentor Award (2018). Landmark University Computer Science Association Awards.
* Award of Leadership Par Excellence (2018). College of Science and Engineering 7th College week, 2018.
* iSTEAMS Award of Excellence for contributions to scientific research (2015).

1. **Selected Publications: Journals**
2. **Emmanuel Oluwatobi Asani,** Adebayo Omotosho, Paul Ashante Danquah, Joyce Ayoola, Peace Ayegba, Olumide Longe (2021). A Maximum Entropy Classification Scheme for Phishing Detection using Parsimonous Features. TELKOMNIKA Telecommunication Computing Electronics and Control 19(5) 1707~1714, DOI: 10.12928/TELKOMNIKA.v19i5.15981 [Scopus-Indexed]
3. Adeniyi Abidemi Emmanuel, Okeyinka Aderemi, Adebiyi Marion, **Asani Emmanuel** (2021). A Note on Time and Space Complexity of RSA and ElGamal Cryptographic Algorithms. International Journal of Advanced Computer Science and Applications, 12(7), 143-147. [Scopus-Indexed]
4. Omotosho A., **Emmanuel O. Asani**, Ayegba P., Ayoola J. (2020). Impact of Agricultural Education on Students’ Career Choice: A Survey. International Journal of Emerging Technologies in Learning (iJET) 15 (03), 51-61. [Scopus-Indexed]
5. Abikoye O.C., Haruna A.D., Abubakar A., Akande N.O. and **Asani E.O.** (2019). Modified Advanced Encryption Standard Algorithm for Information Security. Symmetry. Symmetry 2019, 11, 1484; doi:10.3390/sym11121484 [SCOPUS Indexed]
6. **Asani E.O.**, Okeyinka A.E., Adebiyi A.A., Ayebga P.O., Ayoola J.A. (2019). A Preliminary Study on the Complexity of some Heuristics for solving Combinatorial Optimization Problems. International Journal of Engineering Research and Technology Vol.12(10), pp 1615-1620. [SCOPUS Indexed]
7. **E.O. Asani**, M.Z. Chidioke, A.J. Shoyombo, A.A. Kayode, A. Ezenwoke and F. Okocha (2019). LF-ViT: Development of a Virtual Reality Guided Tour Mobile App of Landmark University Teaching and Research Farm. International Journal of Interactive Mobile Technologies Vol. 13(5). Pp 110-123. [Scopus-Indexed]
8. Adebayo Omotosho, Ukeme Asanga, **Emmanuel O. Asani**, Joyce Ayoola and Paula Fiddi, (2019). Implicit Drag and Drop Image CAPTCHA for Web Security. Journal of Engineering and Applied Sciences, 14: 7669-7678. DOI: 10.3923/jeasci.2019.7669.7678.
9. A.A. Kayode, N.O. Akande, **E.O. Asani** (2019). Implementation of a Hybrid Feature Selection Algorithm for Improving Classification of Mammograms. Journal of Engineering and Applied Sciences. Vol.14(13). pp 4419-4429.
10. Adebayo Omotosho, **Emmanuel Asani**, Paula Fiddi, Noah Akande (2019). Image and Password Multifactor Authentication Scheme for e-Voting. Journal of Engineering and Applied Sciences. Vol.14(11). Pp 3732-3740
11. **Asani E.O**., Adebayo Omotosho, Omonigho J.O., Gbadamosi B. and O.B. Longe (2018). A Real-Time Gesture Engineered Captcha. International Journal of Mechanical Engineering and Technology 9(11). Pp 618-629. [Scopus-indexed]
12. A. A. Adegun, **E.O. Asani**, R. O. Ogundokun and N.O. Akande (2018). Image Segmentation and Classification of Large Scale Satellite Imagery for Land Use: A Review of the State of the Arts. International Journal of Civil Engineering and Technology. 9(11). Pp 1534–1541. [Scopus-Indexed]
13. Aderonke Anthonia Kayode, Akande Noah Oluwatobi, Joshua, Adebagbo and **Asani Emmanuel Oluwatobi** (2018). Dataset of High Resolution Mammographic Images (Version V1) [Data set]. International Journal of Computer Science Issues (IJCSI),. Zenodo. <http://doi.org/10.5281/zenodo.1464682>
14. Akande N.O., Abikoye O. C., Gbadamosi B., Ayoola J., Ayegba P., Adegun A. A., Ogundokun R. O., **Asani E. O**. (2018). Vascular Networks Segmented from Retinal Images of Hypertensive Retinopathy and Glaucoma Patients. Journal of Engineering and Applied Sciences. (In Press).
15. A. Omotosho, **Asani E. O.**, Ogundokun R. O., Ananti E. C. and Adegun A. A. (2018). Neuro-Fuzzy Based System for the Classification of Cells as Cancerous or Non-Cancerous. International Journal of Medical Research & Health Sciences 7 (5), 155-166. [ESCI-Indexed].
16. Adigun A. A., **Asani E.O.,** Adegun A.A., Mfoniso E. A. (2016)**.** A paradigmatic comparision of sorting algorithms on integer arrays. Computing Information Systems, Development informatics and Allied Research. Vol 7(1), pp 111 – 120.
17. A. Ibitola, A. A. Adigun, **E.O. Asani,** O.B. Longe (2015).Towards the development of a case-based reasoning framework for software forensics analysis. African journal of computing & ICT – IEEE vol. 8(4), 2015, pp 185-189.
18. S. Tunmibi, A. Aregbesola, **Asani E.O.** (2015)**.** Factors influencing the adoption of smart phones by university students – a cross-border approach. African journal of computing & ICT – IEEE vol. 8(1), 2015, pp 113-120.
19. Adigun A.A. Adegun A.A. and **Asani E.O.** (2015)**.** Performance evaluation of ant colony optimization and Genetic Algorithm for Facial Feature Selection. International Journal of Computer System, Vol. 2(1), pp 19-24.
20. Adegun A.A. **Asani E.O.** and Yusuff M. (2014)An Enhanced Speech Recognition Algorithm Using Levinson-Durbin, DTW And Maximum Likelihood Classification. African Journal of Computing and ICT-IEEE Vol 7 (2), pp 135-142.
21. Adegun A.A. Adigun A.A. and **Asani E.O.** (2014)A Review of Trends of Authentication Mechanisms For Access Control. Computing Information Systems, Development informatics and Allied Research. Vol 5(2), pp 1-12.
22. Adigun A.A. Adegun A.A. and **Asani E.O.** (2014)A study of Cloud Computing in the University Enterprise. International Journal of Advanced Computer Research Vol4 (2), pp 450-458.
23. Galadima T.O. Akinyemi I.O.and **Asani E.O.** (2014)The impact of Knowledge Based Trust (KBT) on the Adoption and acceptability of cashless economy in Nigeria. International Journal of Computer Science and Information Technology. Vol 6, No 2 April 2014, pp 171-180.
24. Akinyemi I. O. **Asani E. O.** and Adigun A. A. (2013)**.** An Investigation of Users’ Acceptance and Satisfaction of E-Banking System as a Panacea towards a Cashless Economy in Nigeria. Journal of Emerging Trends in Computing and Information Sciences. Vol. 4, No.12, pp 954-963
25. **Selected Publications: Conference Proceedings**
26. **E.O Asani,** A.E. Okeyinka, A.A. Adebiyi (2020). A Construction Tour Technique For Solving The Travelling Salesman Problem Based On Convex Hull And Nearest Neighbour Heuristics. In Proceedings of International Conference in Mathematics, Computer Engineering and Computer Science [Scopus Indexed].
27. J.A. Ayoola, **E.O. Asani,** A.E. Okeyinka, P.O. Ayegba (2020). Towards Comparative Analysis Of Branch-And-Bound And Nearest Neighbour Algorithms. In Proceedings of International Conference in Mathematics, Computer Engineering and Computer Science [Scopus Indexed].
28. P. Ayegba, J. Ayoola, **E. Asani**, A. Okeyinka (2020). A Comparative Study Of Minimal Spanning Tree Algorithms. In Proceedings of International Conference in Mathematics, Computer Engineering and Computer Science [Scopus Indexed].
29. **Asani E.O.**, Adegun A.A., Adeniyi A.E. & Ayoola J.A. (2017). A Note on Graph and Its Application. In proceedings of iSTEAMS Multidisciplinary Cross-Border Conference University of Ghana, Legon, October, 2017. Pp 283-290 [Scopus Indexed]
30. **Asani E.O.** and Adegun A.A. (2014)Maximum Phish Bait: Towards Feature Based Detection of Phishing Using Maximum Entropy Classification Technique. In Proceedings of iSTEAMS Research Nexus conference, 2014 [Scopus Indexed].
31. **Asani E.O.** and Ibitowa (2013)**.** Towards a framework for Evaluating Cybersecurity Readiness of Nigeria’s Cyber Infrastructure for migration to the Cloud. In Proceedings of iSTEAMS Research Nexus conference, 2013 pp 107-114 [Scopus Indexed].
32. **Publications: Books/ Chapters in Books**
33. Asani E.O., Okeyinka A.E., Adebiyi A.A. (2022) Performance Evaluation of Convex Hull Node-Based Heuristics for Solving the Travelling Salesman Problem. In: Yang XS., Sherratt S., Dey N., Joshi A. (eds) Proceedings of Sixth International Congress on Information and Communication Technology. Lecture Notes in Networks and Systems, vol 217. Springer, Singapore. <https://doi.org/10.1007/978-981-16-2102-4_60> [Scopus Indexed]
34. **Asani E.O.,** Longe O.B., Balla A.J., Ogundokun O.O. and Adeniyi E.A. (2020). Secure Human-Computer Interaction: A Multi-Factor Authentication CAPTCHA Scheme, In Handbook of Research on the Role of Human Factors in IT Project Management (Eds. Sanjay Misra and Adewole Adewumi). Chpt 10. Pp. DOI: 10.4018/978-1-7998-1279-1
35. Adegun A.A., Adebiyi M.O., Ogundokun O.O. and **Asani E.O.** (2020). CAD-Based Machine Learning Project for Reducing Human-Factor-Related Errors in Medical Image Analysis, In Handbook of Research on the Role of Human Factors in IT Project Management (Eds. Sanjay Misra and Adewole Adewumi) Chpt 11. Pp. DOI: 10.4018/978-1-7998-1279-1
36. **Publications: Monographs/ Technical Reports, Book Review**
37. NIL
38. **Other Manuscripts Submitted for Publication**
39. **Emmanuel O. Asani,** Aderemi E. Okeyinka, Ayodele Ariyo Adebiyi (2021). A NOVEL INSERTION SOLUTION FOR THE TRAVELLING SALESMAN PROBLEM. IEEE Access
40. **Emmanuel O. Asani,** Aderemi E. Okeyinka, Ayodele Ariyo Adebiyi (2021). A SYSTEMATIC REVIEW OF NODE-BASED HEURISTICS FOR SOLVING THE TRAVELING SALESMAN PROBLEM. International Journal of Mathematics and Mathematical Sciences
41. **Emmanuel O. Asani,** Aderemi E. Okeyinka, Ayodele Ariyo Adebiyi (2021). A Computation Investigation of the Impact of Convex Hull subtour on the Nearest Neighbour Heuristic. International Journal of Computer Mathematics: Computer Systems Theory
42. Olumide Babatope Longe, Mathias Fonkam, Mohammed S. Okorejior, **Emmanuel O. Asani,** Aderemi E. Okeyinka (2021). LOW LATENCY IN-BROWSER BASED PHISHING DETECTION USING RANDOM FOREST CLASSIFIER. International Journal of Interactive Mobile Technologies (iJIM).
43. **Publication Summary**

|  |  |  |
| --- | --- | --- |
| **#** | **Item** | **Number** |
| 1 | Scopus-Index Publications | 12 of (32) |
| 2 | Lead/Corresponding Author Articles | 10 of (32) |
| 3 | Articles Published after the Last Promotion | 21 |

1. **Supervision: Number of Students**

|  |  |
| --- | --- |
| **Degree** | **Number of Students** |
| Bachelors [B.Sc] | Above 20 |
| Masters [M.Sc] | NIL |
| Doctorate [Ph.D] | NIL |

1. **Supervision: Selected Theses and Dissertations**

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Title** | **Degree** | **Year** |
| 1 | DESIGN AND IMPLEMENATION OF A SECURE LIGHTWEIGHT VIRTUAL PRIVATE NETWORK WITH CHACHA20-POLY1305 STREAM CIPHER ALGORITHMS. | B.Sc | 2020 |
| 2 | A LOW LATENT ADAPTIVE CRYPTOGRAPHIC SCHEME FOR IOT DEVICES | B.Sc | 2020 |
| 3 | DEVELOPMENT OF A BLOCKCHAIN BASED API FOR E-VOTING | B.Sc | 2020 |

1. **Academic and Industry Linkages**

* Oracle Academy
* ICITD, Southern University, Baton Rogue, LA USA.

1. **Conference/Workshop/Seminar Attended**

* Sixth International Congress on Information and Communication Technology, London. (2021)
* International Conference in Mathematics, Computer Engineering and Computer Science , Lagos Nigeria. (2020)
* AWARD Mentoring Skills for Emerging Leaders Workshop. (2018)
* NUC / ENAGO ACADEMY Workshop on Academic Publishing for Junior and Middle-Level Academics 2017
* International Conference on Science, Technology, Education, Arts, Management and Social Sciences, iSTEAMS Research Nexus Conference, 2014, 2015, 2016.

1. **Invited Reviewer/ Editorial Board Membership**

* Behaviour & Information Technology (Reviewer)
* Journal of Digital Innovations and Contemporary Research in Science, Engineering and Technology (Reviewer)
* Editorial Board member – iSTEAMS Conferences

1. **Membership of Professional Body**

* Member, IEEE (Member #98022803)
* Member, Internet Society (ISOC No: 2172399)
* Professional Member, Association for Computing Machinery ACM (4400515)
* Member, Computer Professionals (Registration Council of Nigeria) CPN (005138/2017)
* Member, International Association of Engineers (IAENG No: 171848)
* Member, Nigerian Bioinformatics and Genomics Network (NBGNI428)
* Member, African Society for Bioinformatics and Computational Biology (ASBCB)
* Member, International Society for Computational Biology (33907)

1. **Extra- Curricular Activities**

* Reading, Driving

1. **Names and Addresses of Three (3) Referees**
2. **Prof. A.E. Okeyinka**

Professor of Computer Science

08035776226

1. **Prof. O.B. Longe**

Faculty of Computational Sciences & Informatics

Academic city University College

Accra, Ghana

08024071175

1. **Alaga Remi Ajala**

TEBOL Energies

Lagos. Nigeria

08053476931

1. **Signature and Date**

|  |  |
| --- | --- |
| **Name** | **Signature and Date** |
| **ASANI** Emmanuel Oluwatobi | 22-11-2021 |