

Name: Dr. K. BERLIN

Designation: Assistant Professor

Department: Computer Science

Date of Joining: August 2022

Phone with Extn. No: +91 9944098914

Email: berlin@americancollege.edu.in



Educational Qualification:

Degree	Subject	College / University& Place	Year Completed
Ph.D.	Computer Science	Alagappa University, Karaikudi	2020
M.Phil.	Computer Science	Alagappa University, Karaikudi	2014
M.C.A.	Computer Applications	Nandha Engineering College, Erode.	2013
B.Sc.	Computer Science	Idhaya College for Women, Sarugani.	2010

Specialisation in Teaching : Data Science, Data mining, Cryptography and Network Security, RDBMS, System Software.

Specialisation in Research : Data Security, Big Data Analytics, Remote Sensing, Image Processing.

Research Interests : Data Security, Big Data Analytics, Remote Sensing, Machine Learning.

Other Work Experience:

Designation	Institution / Company	Year - From (month/year) To (month/year)
Teaching Faculty	Alagappa University	March 2016 - Nov 2019
Assistant Professor	The American College	August 2022 - Present

Publications:

Articles Published in International Journals:

1. **K. Berlin, KR.Sivabalan (2024)** “Unveiling Human Histories from the Sky: A Comprehensive Exploration of Remote Sensing in Humanities”, In Humanities and Social Science Studies, Vol. 13, Issue 1, No. 15, January – June: 2024, ISSN 2319- 829X. **(UGC Care Approved, Group I)**
2. **K.Berlin, S.S.Dhenakaran (2020)** “Abnormal Notion of Depicting Encrypted Result - Dynamic Usage of Multi-key Encryption Model (DUMKE)”. In Journal of Advances in Intelligent Systems and Computing, 1057(2), (pp. 863-875). Springer Nature. Singapore. **(Scopus Indexed - Annexure II).**
3. **K.Berlin, S.S.Dhenakaran (2019)** “An Approach to Achieve Modern Cryptographic Encryption System for Preserving Secrets using Number System Generator”. In IEEE Digital Xplore, (pp. 505-509). **(Scopus Indexed - Annexure II).**
4. **K.Berlin, S.S.Dhenakaran (2019)** “Invention of Arbitrary Encryption System Using Applied Mathematical Tree Structure”. In International Journal of Scientific & technology research, 8(10), (pp. 2177-2182). **(Scopus Indexed).**
5. **K.Berlin, S.S.Dhenakaran (2019)** “Impact of Crypto-Mining Malware on System Resource Utilization”. In International Journal of Computer Sciences and Engineering, 7(2), (pp. 1-4). **(UGC Approved Journal).**
6. **K.Berlin, S.S.Dhenakaran (2019)** “Encryption System Preserving Plain Text Using Multiple Languages”. In Interciencia Journal, 44(4), (pp. 222-238). **(SCI, Web of Science, Annexure I).**
7. **K.Berlin, S.S.Dhenakaran (2018)** “Insidious Vulnerabilities on Mobile Applications – Security Measures”. In IOSR Journal of Engineering (IOSRJEN), (pp. 5-9). **(UGC Approved Journal).**

8. **K.Berlin, S.S.Dhenakaran (2017)** "An Overview of Cryptanalysis of RSA Public Key System". In International Journal of Engineering and Technology (IJET), 9(5), (pp. 3575-3579). Doi: 10.21817/ijet/2017/v9i5/170905312. **(Scopus Indexed - Annexure II)**.
9. **K.Berlin, S.S.Dhenakaran (2017)** "Adoption of Crypto Encryption Techniques in Different Scenario". In International Journal of Advance Research in Computer Science and Management Studies, 5(8), (pp. 94 – 100). **(UGC Approved Journal)**.
10. **K.Berlin, S.S.Dhenakaran (2016)** "A Novel Encryption Technique For Securing Text Files". In International Journal of Advanced Research Trends in Engineering and Technology (IJARTET), 3(20), (pp. 68 – 72).
11. **K.Berlin, A.Padmapriya, (2014)** "Scrutiny of Various Cryptographic Algorithms with Performance Metrics". In Journal of Computer Science and Applications, (ISSN 2231-1270), 6(1), (pp. 85-88).
12. **K.Berlin, A.Padmapriya, (2014)** "Performance Analysis of Threshold Based Image Encryption". In International Journal of Computer and Applications, (ISSN 0975-8887), 99(12), (pp. 30-33).
13. **K.Berlin, A.Padmapriya, (2014)** "A Novel Threshold Based Image Encryption for Bitmap Images". In International Journal of Computer Science and Mobile Computing, (ISSN 2320 – 088X) 3(7), 2014, (pp. 561-567).

Conference Presentations:

1. **K. Berlin, KR.Sivabalan(2024)**, "Unveiling Human Histories from the Sky: A Comprehensive Exploration of Remote Sensing in Humanities", in International Conference on Building Competitiveness Through Technology Enabled Business, Management & Leadership, Organized by American School of Business Administration, The American College, Madurai, held on 09,10.02.2024.
2. **K.Berlin, S.S.Dhenakaran(2023)**, " Location Based Encryption: A Comprehensive Review of Techniques and Future directions". In International Conference on Recent Trends in Computer Science, Organized by the Department of Computer Science, Alagappa University, Karaikudi, held on 30,31.03.2023.
3. **K.Berlin, S.S.Dhenakaran (2019)**. An Approach to Achieve Modern Cryptographic Encryption System for Preserving Secrets using Number System Generator. In International Conference on Smart Systems and Inventive Technology (ICSSIT), organized by Francis Xavier Engineering, Palayamkottai.
4. **K.Berlin, S.S.Dhenakaran (2018)**. Scrutiny of Data Leading Security Breaches on Online Business Markets. In National Conference on Cyber Security.

5. **K.Berlin, S.S.Dhenakaran (2018)**. Impact of Crypto-Mining Malware on System Resource Utilization. In International conference on computing and computational methods (ICCCM'18), organized by Marudupandiyar college. Vallam.
6. **K.Berlin, S.S.Dhenakaran (2018)**. Abnormal Notion Of Depicting Encrypted Result - Dynamic Usage Of Multi-Key Encryption Model (DUMKE)". In 8th International Conference on Soft Computing for Problem Solving (SocPros), organized by Vellore Institute of Technology. Vellore.
7. **K.Berlin, S.S.Dhenakaran (2018)**. Insidious Vulnerabilities on Mobile Applications – Security Measures. In the International Conference on Computational Intelligence and Data Science, Organized by Department of Computer Studies, Sankara College of Science and Commerce, Coimbatore.
8. **K.Berlin, S.S.Dhenakaran (2017)**. An Overview of Cryptanalysis Research for RSA Public Key Cryptosystem. In national Conference on Emerging Trends in Computing (NCETC).
9. **K.Berlin, S.S.Dhenakaran (2016)**. Hacking Information by Advertisements as a Business Point of View", in National Conference on Advances in Computer Science (NSACS).
10. **K.Berlin, S.S.Dhenakaran (2016)**. An Analysis of Hacking Systems. In National Conference on Emerging Trends in Software Development (NCETSD).
11. **K.Berlin, S.S.Dhenakaran (2016)**. A Novel Encryption Technique for Securing Text Files. In International Conference on Innovations in Computer Science and Technology (ICICST), organized by department of Computer Science and Engineering. Alagappa University, Karaikudi.
12. **K.Berlin, S.S.Dhenakaran (2016)**. A New Compression Technique for Text Files using Matrix Mathematical Model. In International Conference on Robotics and Automation (IETE-ICRA), organized by the Institution of Electronics and Telecommunication Engineers (IETE), Thiruvananthapuram, Kerala.
13. **K.Berlin, S.S.Dhenakaran (2015)**. Analysis of Crypto Techniques for Secure Communications. In National Conference on Recent Advancements in Software Development (NCRASD).
14. **K.Berlin, A.Padmapriya (2014)**. Scrutiny of Various Cryptographic Algorithms and Performance Metrics. In National Conference on Mining Internetworking and

data Security (MINDS-2014), Organized by Department of Computer Science, Alagappa University, Karaikudi.

Seminar/ Workshop/ FDP:

1. Participated in a National Webinar on "Latest Trends in Technology," organized by the Department of BCA, The American College, Madurai, held on February 17, 2024.
2. Participated in a National Workshop on "Mathematics and Statistics for Data Analytics," organized by the Department of Mathematics and Computer Science, The American College, held on June 21-22, 2023.
3. Participated in a Workshop on the Art and Science of Methodical Scientific Writing and Publishing in a High-Impact Journal at The American College, Madurai, held on March 6, 2023.
4. Participated in an International Seminar on Recent Trends in Computing Intelligence and Industry 4.0 at Thirumalai Naicker College, Madurai, held on March 24, 2023.
5. Participated in a State-level Seminar on Intellectual Property Rights at The American College, held on February 3, 2023.
6. Participated in an FDP on "Big Data Analytics Workshop – A Hands-on practice using Tableau," organized by Thiagarajar College, Madurai, held on August 17, 2023.
7. Participated in the International Workshop on "User Awareness and Training Programme of Web of Science and Endnote," organized by the Central Library of Alagappa University, held on October 12, 2017.
8. Participated in a Training Program on "Data Analytics Consultants," organized by University Business Collaboration Centre, Karaikudi, held on February 26-28, 2018.
9. Participated in a Workshop on "Computational Science Techniques for Understanding & Solving Complex Real-World Problems," organized by Alagappa University, held on January 4-5, 2018.
10. Participated in the International Workshop on "Hands-on Training in Computer Networks and R Programming," organized by Alagappa University, held on January 31, 2018.
11. Presented at the National Seminar on "Advances in Computer Science," organized by Alagappa University, held on October 21-22, 2016.

12. Participated in the National Seminar on "Recent Developments in Computer Networks," organized by Alagappa University, held on November 7-8, 2016.
13. Participated in the International Workshop on "Data Science and Analytics," organized by Alagappa University, held on September 27-28, 2016.
14. Participated in a Training Program on "Problem Solving using C Programming," organized by Nandha Engineering College, Erode, held on July 19-21, 2012.
15. Attended a Workshop on Virtual Lab organized by IIT Delhi, held on April 11, 2019.

Other Activities / Academic Credentials:

1. K. Berlin presented a Documentary Film "My College Life", in the Innovation Day held by Nandha Engineering College (2011).
2. K. Berlin exhibited a project "India in 2020", in the Innovation Day held by Nandha Engineering College (2012).
3. K. Berlin, passed G.K. TALENT SEARCH EXAMINATION, organized by National Educational Trust, Chennai (2009).

EVENT HANDLING ACTIVITY

Role	Event Name	Date
Technical Committee Member	International Conference on Innovation in Computer Science & Technology (ICICST – 2016)	04,05 Apr 2016
Technical Committee Member	National Seminar on Advances in Computer Science (NSACS 2016)	21,22 Oct 2016
Technical Committee Member	Career Projects and Developments in Computer Science	27,28 Feb 2017
Technical Committee Member	National Conference on Emerging Trends in Computing (NCETC – 2017)	13,14 Mar 2017
Organizing Member	Training programme on Data Analytics Consultants	26-28 Feb 2018