



Dr. B. Smitha Evelin Zoraida
Associate Professor

Contact

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Academic Qualifications: M.Sc., M.Phil., Ph.D.

Teaching Experience: 24 Years

Research Experience: 15 Years

Additional Responsibilities

1. M.Tech Coordinator in the Department from 2011 to 2024
2. Examination cell-in charge (M.Tech – 6 yr) Computer Science from 2011 to 2017.
3. Library-in Charge in the Department from 2014 to 2015.
4. M.Phil Coordinator in the Department from June, 2018 to 2019

Areas of Research

DNA Computing, Bio-inspired Algorithms in Energy Management, Semantic Web

Research Supervision / Guidance

Program of Study		Completed	Ongoing
Research	Ph.D.	04	02
	M.Phil.	29	00
Project	PG	87	02
	UG	18	01

Publications

International		National		Others
Journals	Conferences	Journals	Conferences	Books / Chapters / Monographs / Manuals
50	12	Nil	Nil	2

Cumulative Impact Factor (as per JCR) : 64.23

h-index : 07

i10 index : 04

Total Citations : 127

Funded Research Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1					

Ongoing Projects

S. No	Agency	Period		Project Title	Budget (Rs. In lakhs)
		From	To		
1					

Consultancy Projects

S. No	Period			Project Title	Budget (Rs. in lakhs)
	Agency	From	To		
1					

Others

Guided **STUDENT PROJECT SCHEME (2012-2013)** sanctioned Rs. 10,000/ by **Tamilnadu State Council for Science and Technology**.

Title of the Project : Switch Matrix System Cipher Model

Student Name : M.R.Vijayakumar, M.Anadakrishnan

Guide Name : Dr. Smitha Evelin Zoraida

Awards Received : Second Price for the Project Oral Presentation at the seminar Cum Exhibition of the STUDENT PROJECT SCHEME held at Kongu Engineering College, Perundurai.

Patents

Nil

Distinctive Achievements / Awards

Nil

Events organized in leading roles

Number of Seminars / Conferences / Workshops / Events organized: 6

1. Organizing Committee Member on National Seminar titled as “**RECENT TRENDS IN COMPUTER SCIENCE**” sponsored by Department of Higher Education, Govt. of Tamilnadu, held on 03rd February, 2016.
2. Organizing Committee Member on International Workshop titled as “**WORLD CLASS CURRICULUM IN COMPUTER SCIENCE – CONSULATION WORKSHOP**” sponsored by Department of Higher Education, Govt. of. Tamilnadu, held on 16th February, 2016.
3. Organizing Committee Member on Seminar titled as “**IMPORTANCE OF STATISTICAL DESIGN & EXPERIMENTS IN COMPUTATION RESEARCH**” organized by School of Computer Science, Engineering & Applications, Bharathidasan University, Tiruchirappalli on 23rd February, 2016.
4. Organizing Committee Member on National Level one week Workshop on “**RESEARCH IN COMPUTER SCIENCE**” organized by Bharathidasan University, Tiruchirappalli on April 25th to 29th, 2016.

5. Organizing Committee Member on International Workshop titled as **“WORLD CLASS CURRICULUM DESIGN FOR COMPUTER SCIENCE”** sponsored by Department of Higher Education, Govt. of. Tamilnadu, held on 28th July, 2017.
6. Convener for the seminar on **CYBER SECURITY AND ETHICAL HACKING** sponsored by DST-PURSE held on 1st March, 2018.
7. Organizing Committee Member on International Workshop titled as **“WORLD CLASS CURRICULUM DESIGN FOR COMPUTER SCIENCE”** sponsored by Department of Higher Education, Govt. of. Tamilnadu, held on 28th July, 2017.
8. Organizing Committee Member on National Seminar titled as **“BIG DATA & CHALLENGES”** organized by School of Computer Science, Engineering & Applications, Bharathidasan University, Tiruchirappalli on 26th November, 2022.

Events Participated

Conferences / Seminars / Workshops: 16

1. Participated in one day Work Shop on **“CYBER SPACE SECURITY”**, held on 23rd March, 2011 Bharathidasan University Technology Park, Trichy - 23.
2. Participated in **“SECOND ANNUAL SEMINAR ON RESEARCH AREAS IN COMPUTER SCIENCE”** held on March 31st, 2011 at Bharathidasan University Technology Park, Trichy -23.
3. Participated in **“SMART AND SECURE ENVIRONMENT”** held on 17th & 18th June 2011, National Technical Research Organization, NewDelhi.
4. Participated in Workshop on **“NATIONAL E-GOVERNANCE PLAN- AWARENESS CAMPAIGN”**, held on 9th January, 2012 at Bharathidasan University Technology Park, Trichy -23.
5. Participated in **“DATA ANALYSIS USING SPSS’22”** held on 6th January 2014, Bharathidasan University, Trichy -23.
6. Participated in **“QUALITY RESEARCH REPORT WRITING”** held on 28th February 2014, Curriculum Development Cell, Bharathidasan University, Trichy - 23.
7. Participated in Workshop on **“FREE SOFTWARE TRAINING TO UG AND PG STUDENTS THROUGH DISTANCE LEARNING PROGRAM BY SPOKEN TUTORIAL (ICT) BASED SOFTWARE TRAINING”**, held on 30th January, 2015 at Bharathidasan University Technology Park, Trichy -23.
8. Participated in **“BIG DATA ANALYTICS”** held on 25th February 2015, Bharathidasan University, Trichy -23.
9. Participated in **“INNOVATIVE CURRICULUM DESIGNING AND EVALUATION”**, held on 13th & 14th August, 2015, at Bharathidasan University, Trichy -23.
10. Participated in **“DATA MINING USING WEKA TOOL”**, held on 12th September, 2015, at Bharathidasan University Constituent College for Women, Orathanadu in Collaboration with Bharathidasan University Technology Park, Trichy -23.
11. Participated in National Seminar on **“RECENT TRENDS IN COMPUTER SCIENCE”**, held on 03rd February, 2016, at Bharathidasan University, Trichy -23.

12. Participated in International Conference on “**INNOVATIONS IN COMPUTER SCIENCE AND TECHNOLOGY (ICICST 2016)**”, organised by Department of Computer Science and Engineering, Alagappa University, at Karaidkudi held on 4th & 5th April, 2016.
13. Participated in National Seminar on “**CLOUD COMPUTING AND SERVICES (CLOSER 2016)**” at Bharathidasan University held on 31st August, 2016.
14. Participated in National Level One Week Workshop on “**RESEARCH IN COMPUTER SCIENCE**”, held on 25th TO 29th April, 2016, at Bharathidasan University, Trichy -23.
15. Participated in Three day International Workshop on “**DATA SCIENCE OPEN SOURCE LANGUAGES (DSOSL 2017)**”, held on 4th TO 6th January, 2017, at Bharathidasan University Technology Park, Trichy -23.
16. Participated in two days National Conference on “**DATA SCIENCE (NCDS2K18)**”, held on 18th & 19th April, 2018 at Bharathidasan University Technology Park, Trichy -23.

Other Training Programs

1. Attended **orientation** from 11.11.2011 to 08.12.2011 at UGC-Academic Staff College, Bharathidasan University, Tiruchirappalli – 620 023.
2. Attended **Refresher Course** in Computer Science from 29.06.2013 to 19.07.2013 at UGC-Academic Staff College, Bharathidasan University, Tiruchirappalli - 620 023.
3. Participated in **FDP** on “Secure Coding Best Practices for Safety, Security and Mission Critical Systems”, held on 24th February, 2017, organised by Department of Computer Applications supported by LDRA Academic Alliance Program (LAAP).
4. Attended **Summer School (Refresher Course)** in Computer Science & Applications from 02.03.2018 to 22.03.2018 at UGC-Academic Staff College, Bharathidasan University, Tiruchirappalli - 620 023.
5. NPTEL Online Course on “Effective Engineering Teaching in Practice” with score 89% from Jan-Feb 2020(4 week course)
6. NPTEL Online Course on “Software Testing” with score 77% from Jan-Feb 2020(4 week course)
7. Completed Two Weeks FDP on “Managing Online Classes and Co-Creating MOOCS” from April 20-May 06, 2020 organized by Teaching Learning Centre Ramanujan College University of Delhi sponsored by Ministry of Human Resource Development Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.
8. Completed Two Week Online Workshop on “Comprehensive e-Learning to e-Training guide for Administrative Work” from May 25- June 05, 2020 organized by Teaching Learning Centre Ramanujan College University of Delhi sponsored by Ministry of Human Resource Development Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.
9. Completed One Week FDP on “Data Analytics & Mathematical Software Tools”

from Feb 25 -May 03, 2022 and obtained Grade A+ organized by Teaching Learning Centre Ramanujan College University of Delhi in collaboration with PG & Research Department of mathematics Jamal Mohammed College(Autonomous) under the aegis of Ministry of Education Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.

10. NPTEL Online Course on “Introduction to Soft Computing” with score 84% from Jan-Mar 2022(8 week course)
11. NPTEL Online Course on “The Joy of Computing using Python” with score 86% from Jul-Oct 2022(12 week course)

Overseas Exposure / Visits

Nil

Membership in

Professional Bodies Nil

Editorial Board

1. Reviewer in InderScience publisher.

Advisory Board Nil

Academic Bodies (such as Board of Studies etc.,)

1. Nominated to the Board of Studies of the Department of Information Technology, Bishop Heber College (Autonomous) by the Academic Council of the College for two years with effect from 11.06.2013.
2. Internal Member to the Board of Studies of the School of Computer Science and Engineering, Bharathidasan University, Tiruchirappalli - 620 023.
3. Member in Board of Studies for B.Voc. Degree programme in Information Technology, Bishop Heber College (Autonomous) by the Academic Council of the College.

Resource persons in various capacities

Number of Invited / Special Lectures delivered: 3

1. Inaugural speech on “Information Technology Association” on 10th August, 2012 at Bishop Heber College, Trichy-17.
2. Deliver lecture on “Recent trends in Computer Science” on 8th March, 2017 at ARC Visvanathan College, Mayiladuthurai.
3. Deliver lecture on “DNA Computing” on 26th February, 2016 at Jamal Mohamed College, Trichy -23.
4. Resource Person for the Academic session in Refresher course Computer Science and Applications on 5-10-2021, topic “DNA Computing” at

Others

1. Articles published in Newspapers / Magazines : Nil
2. Products developed : Nil
3. No. of PhD Thesis evaluated : 05
4. No. of PhD Public Viva Voce Examination conducted : 05

Recent Publications

International Journals :

1. Zoraida B.S.E., Arock, M., Ronald, B.S.M., Ponalagusamy. R.(2009), "DNA Algorithm employing temperature Gradient for Multiple Travelling Salesperson problem", International Journal of Logistics and Supply Chain Management, Vol. 1(2), pp.103-109.
2. Zoraida B.S.E., Arock, M., Ronald, B.S.M., Ponalagusamy. R. (2009), "A Novel generalized design methodology and realization of Boolean Operations using DNA", Bio systems, vol. 97, pp.146-153. (Impact Factor : 1.61)
3. Zoraida B.S.E., Arock, M., Ronald, B.S.M., Ponalagusamy. R. (2010), "A DNA based Algorithm for Capacitated Vehicle Routing Problem using Temperature Gradient Technique", International Journal of Services, Economics and Management, Vol. 2(3/4), pp.371-384. (UGC Annexure:23504)
4. Arock, M., Zoraida B.S.E., Ponalagusamy. R (2010), "An efficient algorithm for constructing DNA Boolean circuit", International Journal of Computer Applications", Vol.1(22), pp.(16-21). (UGC Annexure:4481)
5. Zoraida B.S.E., Arock, M., Ronald, B.S.M., Ponalagusamy (2012), R., "A DNA Algorithm employing Temperature Gradient for Freeze-Tag problem in Swarm Robotics", Transactions of the Institute of Measurement and Control, (SAGE), Vol.34, issue 2/3, pp.278,. (Impact Factor : 1.58, UGC Annexure:34832)
6. S.Sangeetha, B.S.E.Zoraida, A.Delphin Carolina Rani (2013), "Optimization Approach for Capacitated Vehicle routing Problem Using Genetic Algorithm", International Journal for Scientific Research & Development, Vol.1, Issue.5, pp.1206-1209. (Impact Factor 4.396)
7. Saranya. S, B.S.E.Zoraida (2015), "TRET: A Text Retrieval Efficiency Testing Tool for

Different Document Types/Formats and Calculating Evaluation Measures for XML Retrieval” is accepted for the International Journal of Applied Engineering Research (IJAER), RESEARCH INDIA PUBLICATIONS, Volume 10, Number16 (2015) pp 36162- 36168. (UGC Annexure:64529, Impact Factor:0.14)

8. D.Sivakrishnan, , B.S.E.Zoraida (2014), “Merging and Hiding Image on an Image based Stego using LSB algorithm”, International Journal of Scientific Research in Computer Science Applications and Management Studies, Vol. 3. Issue 4. (UGC Annexure:63611, Impact Factor:0.65)
9. M.Rajkamal, B.S.E.Zoraida (2014), “Image and Text hiding using RSA and Blowfish Algorithms with Hash-Lsb Technique”, International journal of Innovative Science, Engineering and Technology (IJSET), Vol.1, Issue 6. (UGC Annexure:63611, Impact Factor:5.26)
10. A.Delphin Carolina Rani and B.S.E.Zoraida (2015), “Multistage multiprocessor task scheduling in hybrid flow shop problems using discrete firefly algorithm”, International Journal of Advanced Intelligence Paradigms”, Inderscience Enterprises Ltd., United Kingdom. Impact Factor : 0.4, Vol 8, Issue 4. (Impact Factor : 0.4, UGC Annexure: 2498)
11. B. Sugasini, B. S. E. Zoraida (2015), “Gray Scale Image Enhancement in Vector Valued Image Processing by Parallel Level Sets”, International Journal For Science And Advance Research In Technology, vol.1, Issue 8, pp.112-115. (Impact Factor : 5.4, UGC Annexure:63479)
12. V.Sivasankari, B. S. E. Zoraida (2015), “Task allocation for wireless sensor network to improve energy consumption and Network life time using modified binary particle optimization” International Journal For Science And Advance Research In Technology, vol.1, Issue 8. (Impact Factor : 5.38, UGC Annexure:63479)
13. S.Saranya, B.S.E.Zoraida (2016), “A study on Clustering Algorithms for XML Data Clustering”, IOSR Journal of Computer Engineering (IOSR-JCE) Volume 18, Issue 5, pp.84-89. (Impact Factor : 3.71, UGC Annexure :49102)
14. R. Ramya, B.S.E. Zoraida (2017), “Comparing Models for Predicting Autism using Rapid Miner Tool”, International Journal for Science and Advance Research In Technology, Volume 3, Issue 8. (Impact Factor : 5.38, UGC Annexure:63479)
15. K. Aarthi, B.S.E. Zoraida (2017), “Image Denoising in MR Images Using Wavelet based Canonical Correlation”, International Journal for Science and Advance Research In Technology, Volume 3, Issue 8. (Impact Factor : 5.38, UGC Annexure:63479)
16. R. Ramya, B.S.E. Zoraida (2017), “A Study on various techniques for Predicting Autism using Rapid Miner Tool”, International Journal for Science and Advance Research In

Technology, Volume 3, Issue 8. (Impact Factor : 5.38, UGC Annexure:63479)

17. R. Ramya, B.S.E. Zoraida (2017), "DRN Hybrid Model for Predicting Autism using Rapid Miner Tool", International Journal of Advanced Research in Computer Science, Volume 8 Issue 8, pp.111-115. (Impact Factor : 2.5, UGC Annexure:2503)
18. S.Saranya, B.S.E.Zoraida (2017), "Early Child Care and Development (ECCD) Ontological system using Knowledge Based Pattern Warehouse", European journal of Scientific Research, Vol 148, No 1. (Impact Factor : 0.12)
19. S.Saranya, B.S.E.Zoraida (2017), Enhanced Latent Semantic Re-Indexing Algorithm for Semantic Web Search, Indian Journal of Science and Technology, ISSN: 09745645, 09746846, Indian Society for Education and Environment. (Impact Factor: 5.07, UGC Annexure:122)
20. A.Ranjini, B.S.E.Zoraida (2016), "Investigating various cost models for residential load scheduling in smart grid" had published in the International Journal of Control Theory and Applications (IJCTA), Vol.9 (26), pp. 23-31. (Impact Factor : 0.1, UGC Annexure:16612)
21. A.Ranjini, B.S.E.Zoraida (2016), "Intelligent Residential Energy Management in Smart Grid" had published in the Indian Journal of Science and Technology (INDJST), Vol.9 (45), pp. 1-8. (Impact Factor : 5.07, UGC Annexure:122)
22. A.Ranjini, B.S.E.Zoraida (2017), "Impact on Various Selection Operators in Elastic Elitism Genetic Algorithm for Solving Energy Consumption Scheduling in Smart Home" in the Journal of Advanced Research in Dynamical and Control Systems (JARCDS), Vol.9(6), pp.602-618. (Impact Factor : 0.11, UGC Annexure:26301)
23. A.Ranjini, B.S.E.Zoraida (2018), "Energy Knapsack problem in Smart Grid using Intelligent Fuzzy Reinforcer Genetic Algorithm" is accepted for publication in the International Journal of Pure and Applied Mathematics, Vol., pp.,. (Impact Factor :0.29 , UGC Annexure:23425)
24. A.Ranjini, B.S.E.Zoraida (2013), "Analysis of Selection Schemes for solving Job Shop scheduling problem using Genetic algorithm", International Journal of Research in Engineering and Technology, Vol.02, issue 11, pp. 775-779.
25. A.Delphin Carolina Rani and B.S.E.Zoraida (2015), "Hybrid Flow Shop Scheduling Problem with Preventive Maintenance as Constraints: A Discrete Firefly Algorithm Approach", International Journal of Applied Engineering Research"(IJAER), ISSN 0973-4562 Vol. 10 No.81 (2015) December.(scopus indexed)
26. R. Ramya, B.S.E. Zoraida (2017), "Solving Flow Shop Scheduling Problem using Genetic Algorithm", International Journal for Science and Advance Research In Technology,

27. A.Delphin Carolina Rani and B.S.E.Zoraida, (2018) “ Multistage Multiprocessor task scheduling in Hybrid Flow Shop problem with Two Criteria using Metaheuristic optimization approaches, International Journal of Pure and Applied Mathematics, ISSN: 1311-8080(printed version) ISSN: 1311-3395(online version), Vol.118 No.18, pp.2133-2157. (Impact Factor :0.29 , UGC Annexure:23425)
28. A.Delphin Carolina Rani and B.S.E.Zoraida, “ A Hybrid Differential Firefly Algorithm for Hybrid Flow Shop Scheduling with Multiprocessor Task Problem, International Journal of Engineering and Technology”, E-ISSN-2227 524X,Science Publishing corporation INC
29. N. Saranya, B.S.E.Zoraida (2018), “Predicting Energy Consumption of a House using Neural Network”, International Journal of Computer Sciences and Engineering, ISSN: 2347-2693, Vol.-6, Issue-7, July 2018, pp. 275-277. (Impact Factor : 3.02, UGC Annexure:63193)
30. N. Saranya, B.S.E.Zoraida (2018), “Forecasting Energy Consumption of a House using Radial Basis Function Network”, International Journal of Computer Sciences and Engineering, ISSN: 2347-2693, Vol.-6, Issue-8, pp. 827-830. (Impact Factor : 3.02, UGC Annexure:63193)
31. P.Priyadharshini, B.S.E.Zoraida, (2019) " Feedback Based Adaptive Recurrent Neural Network for Cancer Detection using Gene Data pattern", International Journal of Engineering and Advanced Technology,vol.9,no.2, PP-2999-3005, Issn:2249-8958, 2019.
32. J Vaishnavi, BSE Zoraida (2019), “Computing electricity consumption profiles for the appliances in a house”, Vol.6,Issue-9,”Computing”,2019
33. P.Priyadharshini, B.S.E.Zoraida (2020), "Computer Tomography Imaging Lung Cancer Segmentation Using TGVFCM and Classification using Deep Learning Techniques", Journal of Green Engineering,vol.10, no.10,pp.9184-9203,ISSN:1904-4720,Oct 2020.(Scopus Indexed)
34. P.Priyadharshini, B.S.E.Zoraida (2020),"Machine Learning Techniques and hybrid feature extraction based CT lung cancer classification", International Journal of modern agriculture, vol. 9, no.3, pp.311-318,ISSN:2305-7246, Sep 2020.(Web of Science)
35. J.Jasmine Christine Magdalene, B.S.E.Zoraida (2021), ”Prediction of Energy Consumption from Renewable Solar Resources in a Smart Home using Markov Chain”, KALA Journal of Indian Art History Congress, vol 26, No.2(XXIII):2020-2021,pp 121-128, ISSN: 0975-7945.(UGC Care).
36. T. S. Kanchana and B. Smitha Evelin Zoraida, “Analysis of social media images to predict user personality assessment”, International Journal of Electrical Engineering and

Technology (IJEET), Vol.11, pp.1-9, 2020.

37. J.Jasmine Christine Magdalene, B.S.E.Zoraida (2020), "Predicting Household Energy Consumption in Smart Grid Based on Seasonality Using Stochastic Markov Chain", *Studia Rosenthaliana (Journal for the Study of Research)*, Volume XII, Issue II, February-2020, Pages:93-100, ISSN: 1781-7838
38. J.Jasmine Christine Magdalene, B.S.E.Zoraida (2021), "Prediction of Energy Consumption in a Smart Home Using Deepened K-Means Clustering ARIMA", *Elementary Education Online* vol 20 (Issue 4), pp 1171 – 1178 , ISSN: 1305 - 3515.(Scopus Indexed).
39. P.Priyadharshini, B.S.E.Zoraida (2021), "Bat inspired Metheuristic Convolutional Neural Network Algorithms for CAD based Lung Cancer Prediction", *Journal of Applied Science And Engineering*, Vol.24, no.1, pp.65-71, ISSN:1560-6686, Feb 2021.(Scopus Indexed and ESCI)
40. P.Priyadharshini, B.S.E.Zoraida (2021), "Hybrid Semantic Feature Descriptor and Fuzzy C-Means Clustering for Lung Cancer Detection and Classification", *Journal of Computational and Theoretical Nanoscience* vol.18, Number 4, ISSN:1546-1955, April 2021, pp1263-1269(7).
41. G.Indumathi , Dr. B.S.E.Zoraida (2021) "A Survey On Security And Privacy In Blockchain And Software Defined Network", *Webology.*, Volume 18, No. 6, June,2021, Pages: 6924-6934.
42. J.Jasmine Christine Magdalene, B.S.E.Zoraida (2021), "Prediction of Energy Consumption in a Smart Home Using Enhanced Weighted K-Means Clustering ARIMA Model", *Design Engineering*, Issue 7, pages:5630-5640, ISSN:0011-9342.
43. T. S. Kanchana and B. Smitha Evelin Zoraida (2022), "A Deep Learning Model for Predicting User Personality Using Social Media Profile Images", *International Journal of Computer Science and Network Security*, Vol.22, No.11, pp.265-271, 2022.
44. T. S. Kanchana and B. Smitha Evelin Zoraida (2022), "Assessing Conscientiousness and Identify Leadership Quality Using Temporal Sequence Images", *Intelligent Automation & Soft Computing*, Vol.35, pp.2003 –2013, 2022.
45. G.Indumathi, B.S.E.Zoraida (2022), "Enhanced Adaptive Cuckoo filter searching technique for Approximate Membership Data Structure (AMDS) in network layer". *Journal of algebraic statistics*, Volume 13, No. 3, May,2022, Pages: 3996-4003.
46. J.Jasmine Christine Magdalene, B.S.E.Zoraida (2022), "Predicting the Usage of Energy in a Smart Home Using Improved Weighted K-Means Clustering ARIMA Model", *Journal of Algebraic Statistics*, Vol 13 No 2 (2022), ISSN:1309-3452. (Web of Science).
47. J.Jasmine Christine Magdalene, B.S.E.Zoraida (2022), Prediction of Energy Consumption

from Renewable Solar Resources in a Smart Home using Markov Chain”, International Journal of Computer Science and Network Security, VOL.22 No.9, Pages:433-438, September 2022, ISSN: 1738-7906. (Web of Science).

48. J.Jasmine Christine Magdalene, B.S.E.Zoraida (2022),” Prediction of Energy Consumption in a Smart Home Using Coherent Weighted K-Means Clustering ARIMA Model”, International Journal of Computer Science and Network Security, VOL.22 No.10, October 2022, ISSN: 1738-7906. (Web of Science).
49. B. S. E. Zoraida , G. Indumathi (2023), “Comparison of Software Defined Networking with traditional networking using NS2 simulator”. International Journal on Information Technologies & Security, No 3 vol. 15, September,2023, Pages:3-14.
50. B.S.E.Zoraida, J.Jasmine Christine Magdalene (2023), ”Enhancing Energy Efficiency In A Smart Home Through Window-Based Support Vector Regression For Energy Consumption Prediction”, International Journal on Information Technologies & Security, Vol 15, No 3, Pages: 23-32,2023 (Web of Science) ISSN-1313-8251.
51. Smitha Evelin Zoraida, Ganesan Indumathi (2024). “A Comparative Study on Software-Defined Network with Traditional Networks”, TEM Journal, Volume 13, Issue 1, pages 167-176, ISSN 2217-8309, DOI: 10.18421/TEM131-17, February 2024.

International Conferences :

1. Zoraida B.S.E., Arock, M., Ronald, B.S.M., Ponalagusamy. R.(2008), “A novel generalized model for constructing reusable and reliable logic gates using DNA”, In: Proceedings of the fourth International conference on Natural Computing (IEEE Press), China , Vol.7, pp.353-357.
2. Zoraida B.S.E., Arock, M., Ronald, B.S.M., Ponalagusamy. R.(2008), “A DNA-based algorithm for Multiple Travelling Salesperson problem”, In: Proceedings of the sixth International conference on Supply chain Management and Information Systems, pp.559-566.
3. Zoraida B.S.E., Arock, M., Ronald, B.S.M., Ponalagusamy. R.(2008), “Simulaiton of NOR gate employing DNA. In: Proceedings of the International conference on Mathematics and computer Science (ICMS).
4. Saranya. S, B.S.E.Zoraida and Victor Paul.P (2014), “ Semantic Web Relevant Information Retrieval Model For Ontology Based Search Engine”, International Conference on

Intelligent Computing, Bharathiyar University, Coimbatore, India.

5. A.Delphin Carolina Rani and B.S.E.Zoraida, "Static single objective multistage multiprocessor task scheduling in hybrid flowshop problems using discrete firefly algorithm' presented at International Conference on Intelligent Computing and Data Science (ICICDS 2014), SASTRA University, Tamil Nadu, Thanjavur 613401, India, 12–13 September 2014.
6. A.Delphin Carolina Rani and B.S.E.Zoraida, "Static Single-Objective Multiprocessor Task Scheduling in Hybrid Flowshop Problems: A Hybrid Evolutionary Firefly Algorithm Approach" International Conference on Advances in Design & Manufacturing (ICAD&M'14) organized by Department of Mechanical & Production Engineering, NIT, Trichy, December 5 to 7, 2014.
7. A.Delphin Carolina Rani and B.S.E.Zoraida,"A Discrete Firefly Algorithm for Static Multi-Objective Hybrid Flow Shop Multiprocessor Task Scheduling Problem" International Conference on Advances in Production and Industrial Engineering (ICAPIE'15) organized by Department of Production Engineering, NIT, Trichy, February 20 & 21, 2015.
8. A.Delphin Carolina Rani and B.S.E.Zoraida, : hybrid Flow Shop Scheduling problem with Preventive Maintenance as Constraints: A Discrete Firefly Algorithm Approach, International conference on Advanced Computing (ICAC 2105) Online ISSN 1087-1-90 Jamal Mohamed college(Autonomous) Tiruchirappalli, December 03-04-2015
9. A.Ranjini, B.S.E.Zoraida, " Analyzing various cost model for residential load scheduling in smart grid using adoptive breeder genetic algorithm, International conference on computing communication and information science (ICCCIS),(2016) August, Participated in the "International Conference on Computing, Communication and Information" (ICCCIS' 16) organized by the Department of Computer Science, Computer Applications and Information Technology held at Bishop Heber College held on 28th and 29th July, 2016.
10. A.Ranjini, B.S.E.Zoraida, "Impact on Various Selection Operators in Elastic Elitism Genetic Algorithm for Solving Energy Consumption Scheduling in Smart Home", Participated in the "International Conference on Emerging Innovations in Engineering and Technology "(ICEIET-2017), organized by CHRIST Institute of Technology (Formerly Dr.S.J.S.Paul Memorial College of Engineering and Technology) at Ramanathapuram Revenue Village, Pondicherry on 25th March, 2017.
11. A.Ranjini, B.S.E.Zoraida, "Energy Knapsack problem in Smart Grid using Intelligent Fuzzy Reinforcer Genetic Algorithm", Participated in the "International Conference on

Advances in Computer Science Engineering and Technology, (ICACSET'18)" organized by the Kalasalingam Academy of Research and Education, Krishnankoil, Tamilnadu on January 19-20, 2018.

12. T. S. Kanchana and B. Smitha Evelin Zoraida,A, "Framework for Automated Personality Prediction from Social Media Tweets", IEEE World Conference on Applied Intelligence and Computing, pp.698–701, 2022.
13. Dr. B. Smitha Evelin Zoraida, "Human Machine Interface for Realizing DNA Based Boolean Operations and Combinatorial Optimization Problems" Proceedings of the 4th International Conference on Engineering and Advancement in Technology, Hyderabad, India, pp. 88, 16th and 17th June 2023.

Book Chapters :

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