

Dr.JEMIMA PRIYADARSINI R

Associate Professor,
Department of Computer Science,
Bishop Heber College,
Tiruchirappalli - 17.

E-mail : jemititus@gmail.com

Phone : 9443690157

Web:

Qualification

| Degree | Branch | Institution / University | Year of Passing |
|---------|-----------------------|--------------------------|-----------------|
| Ph.D. | Computer Science | Bard | 2016 |
| M.Phil. | Computer Science | Bard | 2004 |
| M.C.A | Computer Applications | Bard | 1999 |
| B.Sc | Chemistry | Bard | 1996 |

Ph.D. Details

| | | |
|----------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------|
| Title of Thesis OPTIMIZED META TASK SCHEDULING ALGORITHMS FOR CLOUD ENVIRONMENT | Area of Specialization CLOUD COMPUTING | Year of Award AUGUST-2016 |
| Research Supervisor Dr.L.AROCKIAM | Research Centre ST.JOSEPHS COLLEGE(AUTONOMOUS)TRICHY-2 | |
| Obtained Post Doctoral Fellowship : Host Institution : | Agency | |

Additional Qualification

| Name of Course | Place of Study | Date | Duration |
|--------------------------------------|----------------|---------------|---------------------|
| CLOUD COMPUTING | UDEMMY | DECEMBER 2017 | 2 HOURS |
| IoT AND SECURITY | NIT-TRICHY-15 | DECEMBER 2018 | 5 DAYS (3RD TO 7TH) |
| INTRODUCTION TO GRAPHICS DESIGNON | ONLINE COURSE | DECEMBER 2018 | 2 HOURS |
| FUNDAMENTALS OF AI AND ML | ONLINE | FEBRUARY 2024 | 10HRS |

Work Experience

| Name of Institution | Address of Institution | Designation | From | To |
|---------------------------------------------|--------------------------------------------------------------------|------------------------------|------------|-----------|
| Bishop Heber College(Autonomous),Trichy-17. | Bishop Heber College, Vayalur Road, Puthur, Trichy-17. | Assistant Professor | JULY-2000 | Till Date |
| BISHOP HEBER COLLEGE | BISHOP HEBER COLLEGE(AUTONOMO US) VAYALUR ROAD, TRICHY-17 | ASSOCIATE PROFESSOR | 12/07/2013 | TILL DATE |
| BISHOP HEBER COLLEGE | BISHOP HEBER COLLEGE(AUTONOMO US) VAYALUR ROAD, TRICHY-17 | CO-ORDINATOR DATA SCIENCE | 20-11-2023 | TILL DATE |

Teaching / Research Experience

U.G. : 18 **P.G. :** 18 **M.Phil.** 5 **Ph.D.**

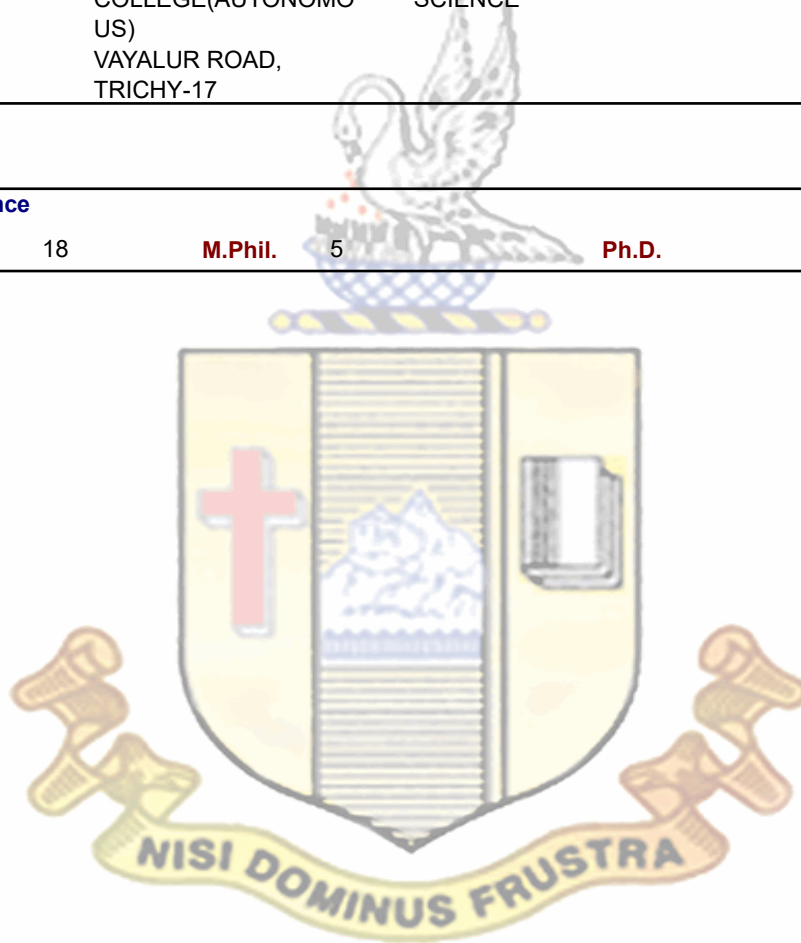


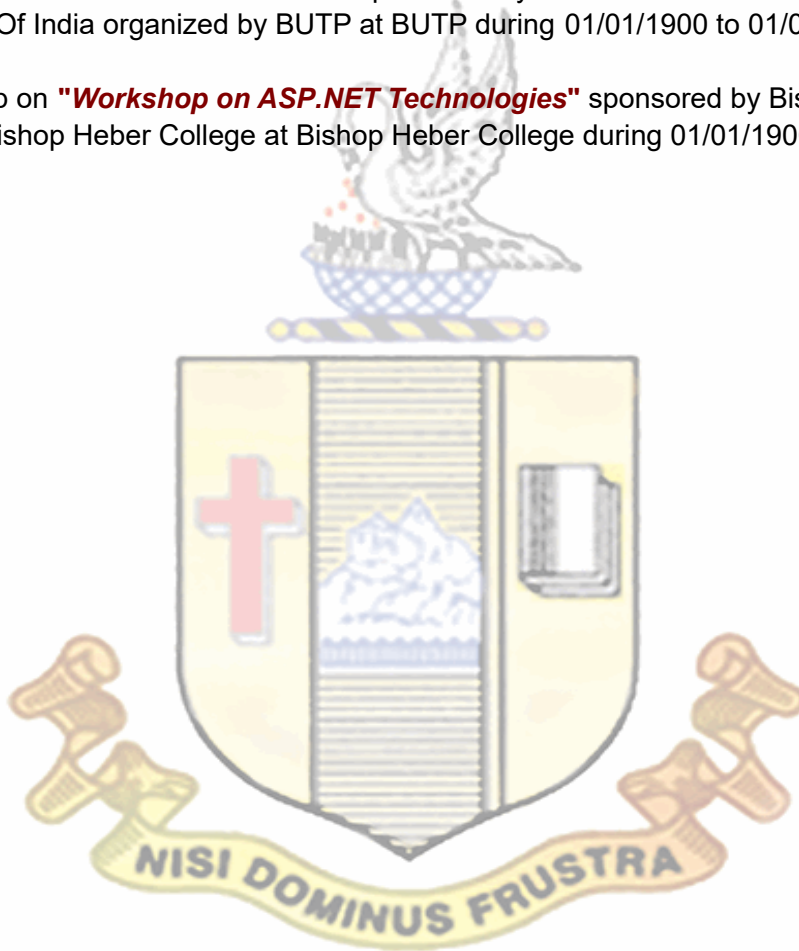
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| 3. | Publication in Journals | 44 |
| 4. | Publication in Books | 0 |
| 5. | Books Published / Edited | 2 |
| 6. | Conferences / Workshops / Seminars Organised | 3 |
| 7. | Research Projects | 0 |
| 8. | Resource Person | 3 |
| 9. | Consultancy | 1 |
| 10. | Awards Recieved | 2 |
| 11. | Patent | 1 |
| 12. | Extension Activities Undertaken | 0 |
| 13. | Professional Membership | 5 |
| 14. | M.Phil. / Ph.D. Produced | 14 / 9 |

1. International level Workshop on **"FDP"** sponsored by BISHOP HEBER COLLEGE organized by DEPARTMENT OF DATA SCIENCE at BHC TRICHY during 01/03/2022 to 01/03/2022.
2. International level Conference on **"INTERNATIONAL CONFERENCE DATA SCIENCE, ANALYTICS AND ARTIFICIAL INTELLIGENCE"** sponsored by BISHOP HEBER COLLEGE organized by DEPARTMENT OF DATA SCIENCE at BHC TRICHY during 28/02/2022 to 28/02/2022.
3. -1 level Conference on **"VIGYAN UTSAV"** sponsored by TNSCST organized by TNSCST at during 18/01/2022 to 18/01/2022.
4. National level Seminar on **"IPR WITH FOCUS ON PATENTS AND COPYRIGHTS"** sponsored by JMC organized by JMC at TRICHY during 21/01/2021 to 21/01/2021.
5. International level Conference on **"IVCET-2020"** sponsored by BHC-TRICHY-17 organized by BHC-TRICHY-17 at TRICHY during 14/12/2020 to 14/12/2020.
6. International level Workshop on **"IEEE REFERENCE MANAGEMENT TOOLS FOR RESEARCH ARTICLE AND THESIS WRITING"** sponsored by IEEE-BANGALORE SECTION organized by IEEE-BANGALORE SECTION at ONLINE during 20/05/2020 to 20/05/2020.
7. National level Workshop on **"ETHICS IN RESEARCH, WRITING RESEARCH PAPER AND REVIEWING LITERATURE.(3 SESSIONS)"** sponsored by PDPU organized by PANDIT DEENDAYAL PETROLEUM UNIVERSITY at ONLINE during 05/05/2020 to 07/05/2021.
8. International level Conference on **"INTERNATIONAL CONFERENCE ON RECENT TRENDS IN ADVANCED COMPUTING"** sponsored by UGC organized by ERODE ARTS AND SCIENCE COLLEGE at ERODE during 13/12/2019 to 14/12/2019.
9. College level Workshop on **"FACULTY RECHARGING PROGRAMME"** sponsored by DBT/STAR SCHEME organized by IQAC at BISHOP HEBER COLLEGE(AUTONOMOUS) during 12/06/2019 to 13/06/2019.
10. College level Workshop on **"ONE DAY WORKSHOP ON EXAMINATION AND EVALUATION REFORMS"** sponsored by IQAC organized by IQAC at BISHOP HEBER COLLEGE(AUTONOMOUS) during 03/10/2018 to 03/10/2018.
11. National level Conference on **"National Conference on Computing TeCHNOLOGIES"** sponsored by PG DEPARTMENT OF COMPUTER SCIENCE organized by PG DEPARTMENT OF COMPUTER SCIENCE at BISHOP HEBER COLLEGE during 26/02/2018 to 26/02/2018.
12. College level Workshop on **"ANGULARJS"** sponsored by Department of Computer Applications, Bishop Heber College organized by Department of Computer Applications, Bishop Heber College at BHC, TRICHY during 24/02/2018 to 24/02/2018.
13. National level Conference on **"CONFERENCE ON TRANSFORMING TECHNOLOGY"** sponsored by PG AND RESEARCH DEPARTMENT OF COMMERCE AND COMPUTER SCIENCE organized by PG AND RESEARCH DEPARTMENT OF COMMERCE AND COMPUTER SCIENCE at SRIMAD ANDAVAN COLLEGE T.V.KOIL during 24/01/2018 to 25/01/2018.
14. International level Workshop on **"CLOUD COMPUTING AND ITS PRACTICAL DEMONSTRATION"** sponsored by CHRISTURAJ COLLEGE organized by CHRISTURAJ COLLEGE at PANJAPPUR during 28/09/2017 to 28/09/2017.
15. College level Orientation on **"Faculty Recharge Programme"** sponsored by Computer Science Department, Bishop Heber College organized by Computer Science Department, Bishop Heber College at Trichy during 28/08/2017 to 01/09/2017.
16. College level Orientation on **"FACULTY EMPOWERMENT PROGRAMME"** sponsored by IQAC organized by IQAC at BHC during 14/06/2017 to 14/06/2017.

17. State level Workshop on **"R PROGRAMMING TOOL FOR SATATISTIC S AND DATA MINING"** sponsored by Srimad Andavan Arts and Science College organized by Srimad Andavan Arts and Science College at Trichy during 27/04/2017 to 28/04/2017.
18. State level Seminar on **"INNOVATIVE RESEARCH IN COMPUTER SCIENCE"** sponsored by SRIMAD ANDAVAN ARTS AND SCIENCE COLLEGE-TRICHY-5 organized by SRIMAD ANDAVAN ARTS AND SCIENCE COLLEGE-TRICHY-5 at SRIMAD ANDAVAN ARTS AND SCIENCE COLLEGE-TRICHY-5 during 30/01/2017 to 30/01/2017.
19. Regional level Orientation on **"GRID AND CLOUD COMPUTING"** sponsored by IDT organized by K.RAMAKRISHNAN COLLEGE OF TECHNOLOGY at SAMAYAPURAM, TRICHY-112 during 22/08/2016 to 23/08/2016.
20. International level Conference on **"WORLD CONGRESS ON COMPUTING AND COMMUNICATION TECHNOLOGIES WCCCT 2014"** sponsored by ST.JOSEPH COLLEGE-TRICHY organized by ST.JOSEPH COLLEGE-TRICHY at ST.JOSEPH COLLEGE-TRICHY during 27/02/2014 to 01/03/2014.
21. International level Workshop on **"Cloud Computing"** sponsored by by Department of Computer Technology, MIT campus Anna University Chennai and University of Melbourne, Australia organized by by Department of Computer Technology, MIT campus Anna University Chennai and University of Melbourne, Australia at MIT-CHENNAI during 20/08/2013 to 01/01/1900.
22. National level Workshop on **"Mobile Cloud Computing"** sponsored by CSI –TRICHY CHAPTER organized by M.A.M. College Of Engineering, trichirapalli at M.A.M. College Of Engineering, trichirapalli during 01/03/2013 to 01/03/2013.
23. Regional level Seminar on **"Data Management On Cloud Computing Platforms"** sponsored by organized by at NIT, TRICHY during 08/01/2012 to 01/01/1900.
24. College level Workshop on **"Examination Reforms and Evaluation"** sponsored by Bishop Heber College organized by Bishop Heber College at Bishop Heber College during 25/03/2011 to 01/01/1900.
25. International level Conference on **"2nd International Conference on Data Engineering and Management"** sponsored by Bishop Heber College organized by Bishop Heber College at Bishop Heber College during 29/07/2010 to 31/07/2010.
26. National level Workshop on **"National Level Workshop on Free Open Source Software (FOSS)"** sponsored by Anna University organized by Bishop Heber College at Bishop Heber College during 29/10/2009 to 29/10/2009.
27. International level Conference on **"International Conference on Semantic e-Business and Enterprise Computing"** sponsored by UGC organized by Bishop Heber College at Bishop Heber College during 11/04/2009 to 01/01/1900.
28. International level Workshop on **"International Workshop for Educators on Mobile Learning (IWSEML)"** sponsored by Kingston University organized by Bishop Heber College at Bishop Heber College during 17/07/2007 to 18/07/2007.
29. College level Workshop on **"Curriculum Design and Evaluation"** sponsored by DBT organized by Bishop Heber College at Bishop Heber College during 01/11/2006 to 01/12/2006.
30. Regional level Workshop on **"Curriculum Development and Evaluation"** sponsored by UGC and TANSCHER organized by Academic Staff College, Bharathidasan University at Bishop Heber College during 03/09/2006 to 03/11/2006.
31. National level Conference on **"Distributed database and computing"** sponsored by UGC organized by Gobi Arts and Science College at Gobichettipalayam during 28/03/2004 to 29/03/2004.
32. International level Conference on **"International Conference on Computing, Communication and Information Science (ICCCIS)"** sponsored by Bishop Heber College organized by Bishop Heber College at Bishop Heber College during 01/01/1900 to 01/01/1900.

33. National level Orientation on **"National Level Orientation on Campus Waste Management"** sponsored by Board for Christian Higher Education in Asia (UBCHIA) organized by Bishop Heber College at Bishop Heber College during 01/01/1900 to 01/01/1900.
35. National level Seminar on **"Semantic Information Retrieval"** sponsored by organized by at NIT-TRICHY during 01/01/1900 to 01/01/1900.
36. National level Workshop on **"National Workshop on Research Tools in Computer Science"** sponsored by International Research Forum for Computer Science organized by Bishop Heber College organized by Bishop Heber College at Bishop Heber College during 01/01/1900 to 01/01/1900.
38. National level Seminar on **"CLOUD COMPUTING"** sponsored by Srimathi Indira Gandhi College And Computer Society Of India organized by BUTP at BUTP during 01/01/1900 to 01/01/1900.
39. College level Workshop on **"Workshop on ASP.NET Technologies"** sponsored by Bishop Heber College organized by Bishop Heber College at Bishop Heber College during 01/01/1900 to 01/01/1900.



1. **"ENHANCING AGRICULTURAL PRODUCTIVITY THROUGH SMART FARMING AND IOT BASED CROP MONITORING TECHNOLOGIES"** in the National conference on *A ONE-DAY NATIONAL CONFERENCE ON THE ADVANCEMENTS OF AI* sponsored by AAC, organized by AAC at KARUMATHUR ,MADURAI during 29/02/2024 to 29/02/2024.
2. **"An efficient sensory based cost-effective IoT model for prior prediction of Covid-19"** in the International conference on *Advancements in Electrical, Electronics, communication, computing and Automation* sponsored by IEEE, organized by Kumaraguru College of Technology at Coimbatore during 08/10/2021 to 09/10/2021.
3. **"An ensemble-based machine learning approach for traffic prediction in smart city"** in the International conference on *Advancements in Electrical, Electronics, communication, computing and Automation* sponsored by IEEE, organized by Kumaraguru College of Technology at Coimbatore during 08/10/2021 to 09/10/2021.
4. **"Big IoT data Analytics: Open Research Challenges"** in the International conference on *International conference on Intelligent and Computing Systems (ICICS)* sponsored by , organized by Department of Computer Applications at Trichy during 22/03/2021 to 22/03/2021.
5. **"ENHANCING SECURITY IN IOT HEALTH CARE SERVICES USING FOG COMPUTING"** in the International conference on *INTERNATIONAL CONFERENCE ON RECENT TRENDS IN ADVANCED COMPUTING(ICRTAC-2019)* sponsored by UGC, organized by ERODE ARTS AND SCIENCE COLLEGE at ERODE during 13/12/2019 to 14/12/2019.
6. **"A COMPREHENSIVE STUDY ON ROUTING ATTACKS WITH COUNTERMEASURES IN IoT"** in the International conference on *IVCET-2020* sponsored by CS DEPARTMENT, organized by CS DEPARTMENT-SHIFT2 at BHC during 13/12/2019 to 13/12/2019.
7. **"A COMPREHENSIVE STUDY ON SYBIL ATTACKS AND ITS DEFENCE MECHANISM IN IoT"** in the International conference on *IVCET-2020* sponsored by CS DEPARTMENT, organized by CS DEPARTMENT-SHIFT2 at BHC during 13/12/2019 to 13/12/2019.
8. **"A REVIEW ON DoS Attacks in IoT"** in the International conference on *IVCET-2020* sponsored by CS DEPARTMENT, organized by CS DEPARTMENT-SHIFT2 at BHC during 13/12/2019 to 13/12/2019.
9. **"Integration of IoT and Cloud Computing Challenges: Survey"** in the International conference on *International Conference on Computing Paradigms (ICCP 2019)* sponsored by Integrated Intelligent Research, Chennai, India, organized by Don Bosco College (Co-Ed), Yelagiri Hills, Tamil Nadu, India at Yelagiri Hills, Tamil Nadu, India during 30/08/2019 to 31/08/2019.
10. **"PERFORMANCE EVALUATION OF SEQUENTIAL AND PARALLEL HYBRID OPTIMIZATION ALGORITHMS FOR TASK SCHEDULING IN CLOUD ENVIRONMENT"** in the National conference on *NCCT 2018* sponsored by , organized by COMPUTER SCIENCE DEPARTMENT, BISHOP HEBER COLLEGE at BHC during 26/02/2018 to 26/02/2018.
11. **"GREEN CLOUD COMPUTING-AN OVERVIEW"** in the National conference on sponsored by National Conference on Computing Technologies, organized by COMPUTER SCIENCE DEPARTMENT, BISHOP HEBER COLLEGE at BHC during 26/02/2018 to 26/02/2018.
12. **"A STUDY ON BIG DATA IN HEALTH CARE SYSTEM"** in the National conference on *NCCT 2018* sponsored by , organized by COMPUTER SCIENCE DEPARTMENT, BISHOP HEBER COLLEGE at BHC during 26/02/2018 to 26/02/2018.
13. **"PREROGATIVE OF CLOUD COMPUTING"** in the National conference on *NCCT 2018* sponsored by , organized by COMPUTER SCIENCE DEPARTMENT, BISHOP HEBER COLLEGE at BHC during 26/02/2018 to 26/02/2018.
14. **"AN ANALYSIS OF SEVERAL DATA SECURITY ISSUES IN CLOUD COMPUTING"** in the National conference on *NCCT 2018* sponsored by , organized by COMPUTER SCIENCE DEPARTMENT, BISHOP HEBER COLLEGE at BHC during 26/02/2018 to 26/02/2018.

15. **"IoT APPLIED ON AGRICULTURE- A SURVEY"** in the National conference on *NCCT 2018* sponsored by , organized by COMPUTER SCIENCE DEPARTMENT, BISHOP HEBER COLLEGE at BHC during 26/02/2018 to 26/02/2018.
16. **"SBCOHC-"** in the International conference on *INTERNATIONAL CONFERENCE ON EMERGING TRENDS IN SCIENCE AND ENGINEERING* sponsored by ICTAC, organized by MUTHAIAMMAL ENGINEERING COLLEGE-NAMAKKAL at NAMAKKAL during 28/03/2015 to 29/03/2015.
17. **"A DISTRIBUTED HYPERLINK DATABASE SYSTEM"** in the National conference on *DISTRIBUTED DATABASE AND COMPUTING* sponsored by UGC, organized by GOBI ARTS AND SCIENCE COLLEGE at GOBICHETTIPALAYAM during 28/03/2004 to 29/03/2004.



1. **"Efficient DDOS Detection in Internet of Medical Things using CNN- ACL Approach"** published in International Journal of INTELLIGENT SYSTEMS AND APPLICATIONS IN ENGINEERING (PEER REVIEW) Vol. 11, Issue No. 4, August 2023 ISSN : 2147-6799.
2. **"A Generalized Renyi Joint Entropy Method for the Detection of DDoS Attacks in IoT"** published in International Journal on Recent and Innovation Trends in Computing and Communication (PEER REVIEW) Vol. 11, Issue No. 6, June 2023 ISSN : 2321-8169.
Impact factor , Scopus Index , h - index 28, Citation index 5854
3. **"Empirical Research on Machine Learning Models and Feature Selection for Traffic Congestion Prediction in Smart Cities"** published in International Journal on Recent and Innovation Trends in Computing and Communication (PEER REVIEW) Vol. 11, Issue No. 5s, April 2023 ISSN : 2321-8169.
Impact factor , Scopus Index , h - index 28, Citation index 5854
7. **"Sinkhole Detection in IoT using Elliptic Curve Digital Signature"** published in International Journal on Recent and Innovation Trends in Computing and Communication (PEER REVIEW) Vol. 11, Issue No. 5s, April 2023 ISSN : 2321-8169.
Impact factor , Scopus Index , h - index 28, Citation index
10. **"Sinkhole Detection Using Probe Route Mechanism (SDPRM) for Internet of Things"** published in Indian Journal of Science And Technology (PEER REVIEW) Vol. , Issue No. , October 2022 ISSN : 0974-6846.
11. **"Improved Mayfly Optimization and LightGBM Classifier for Smart city Traffic Prediction"** published in Indian Journal of Science And Technology (NON PEER REVIEW) Vol. 15, Issue No. 40, September 2022 ISSN : 0974-6846.
Impact factor , Scopus Index , h - index 78, Citation index
12. **"INTEGRATION OF IoT and MLA in PREDICTION OF DEIABETES: AN OVERVIEW"** published in INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH IN COMPUTER SCIENCE , ENGINEERING AND INFORMATION TECHNOLOGY (PEER REVIEW) Vol. 7, Issue No. 6, December 2021 ISSN : 2456-3307.
13. **"INTEGRATION OF IoT and MLA in PREDICTION OF DEIABETES: AN OVERVIEW"** published in INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH IN COMPUTER SCIENCE , ENGINEERING AND INFORMATION TECHNOLOGY (PEER REVIEW) Vol. 7, Issue No. 6, December 2021 ISSN : 2456-3307.
14. **"INTEGRATION OF IoT and MLA in PREDICTION OF DEIABETES: AN OVERVIEW"** published in INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH IN COMPUTER SCIENCE , ENGINEERING AND INFORMATION TECHNOLOGY (PEER REVIEW) Vol. 7, Issue No. 6, December 2021 ISSN : 2456-3307.
15. **"ETSET:Enhanced Tiny Symmetric Encryption Techniques to Secure Data Transformation among IoT Devices"** published in turkish Journal of Computer and Mathematics Education (PEER REVIEW) Vol. 12, Issue No. 10, April 2021 ISSN : ---.
Impact factor , Scopus Index , h - index 8, Citation index
16. **"A REVIEW ON DoS Attacks in IoT"** published in SOLID STATE TECHNOLOGY (PEER REVIEW) Vol. 63, Issue No. 2S, December 2020 ISSN : 0038-111X.

Impact factor , Scopus Index YES, h - index 5, Citation index 84

17. **"A COMPREHENSIVE STUDY ON SYBIL ATTACKS AND ITS DEFENCE MECHANISM IN IoT"**
published in SOLID STATE TECHNOLOGY (PEER REVIEW) Vol. 63, Issue No. 2S, December 2020 ISSN : 0038-111X.
Impact factor , Scopus Index YES, h - index 5, Citation index 84
18. **"A COMPREHENSIVE STUDY ON ROUTING ATTACKS WITH COUNTERMEASURES IN IoT"**
published in SOLID STATE TECHNOLOGY (PEER REVIEW) Vol. 63, Issue No. 2S, December 2020 ISSN : 0038-111X.
Impact factor , Scopus Index YES, h - index , Citation index
19. **"Survey on Predictive Analysis of Diabetes Disease Using Machine Learning Algorithms"**
published in INTERNATIONAL JOURNAL OF COMPUTER SCIENCE AND MOBILE COMPUTING (PEER REVIEW) Vol. 9, Issue No. 10, October 2020 ISSN : 2320-088X.
Impact factor , Scopus Index , h - index 5, Citation index 84
20. **"A SURVEY ON TWITTER DATA SET USING SENTIMENT ANALYSIS"** published in IJCSE (PEER REVIEW) Vol. 8, Issue No. 1, January 2020 ISSN : 2347-2693.
Impact factor , Scopus Index 6, h - index 5, Citation index 84
21. **"ENHANCING SECURITY IN IOT HEALTH CARE SERVICES USING FOG COMPUTING"**
published in INTERNATIONAL JOURNAL OF ADVANCED SCIENCE AND TECHNOLOGY (PEER REVIEW) Vol. 28, Issue No. 17, December 2019 ISSN : 2207-6360.
Impact factor , Scopus Index 7, h - index 5, Citation index 84
22. **"Integration of IoT and Cloud Computing Challenges: Survey"** published in INTERNATIONAL JOURNAL OF COMMUNICATION AND NETWORKING SYSTEM (PEER REVIEW) Vol. 08, Issue No. 1, June 2019 ISSN : 2278-2427.
Impact factor , Scopus Index , h - index 5, Citation index 84
23. **"SECURITY AND AUTHENTICATION FOR DEVICES TO ACHIEVE QoS IN IoT AND CLOUD"**
published in INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH IN COMPUTER SCIENCE ,ENGINEERING AND INFORMATION TECHNOLOGY (PEER REVIEW) Vol. 3, Issue No. 6, July 2018 ISSN : 2456-3691.
Impact factor , Scopus Index , h - index 8, Citation index 254
24. **"DELAY CONSTRAINED IN IOT USING FUZZY LOGIC SET"** published in INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH IN COMPUTER SCIENCE APPLICATIONS AND MANAGEMENT STUDIES (PEER REVIEW) Vol. 7, Issue No. 3, July 2018 ISSN : 2319-1953.
25. **"STATE OF ART AND THE RESEARCH ISSUES IN CLOUD COMPUTING"** published in IJCSE (PEER REVIEW) Vol. 6, Issue No. 2, March 2018 ISSN : ---.
26. **"Survey on ocular blood vessel segmentation"** published in International Journal of Advanced Research in Computer Science And Software Engineering (PEER REVIEW) Vol. 7, Issue No. 7, July 2017 ISSN : ---.
27. **"RETINAL BASED DISEASE PREDICTION USING DEEP NEURAL NETWORKS AND SVM CLASSIFICATION TECHNIQUE"** published in INTERNATIONAL JOURNAL OF ENGINEERING TRENDS AND TECHNOLOGY (PEER REVIEW) Vol. 49, Issue No. 7, July 2017 ISSN : ---.
28. **"SURVEY ON OCULAR BLOOD VESSEL SEGMENTATION"** published in INTERNATIONAL JOURNAL OF ADVANCED RESEARCH IN COMPUTER SCIENCE AND SOFTWARE ENGINEERING (PEER REVIEW) Vol. 7, Issue No. 7, July 2017 ISSN : 2277-128X.

29. **"Liver Disease Analysis And Accuracy Prediction Using Machine Learning Techniques"**
published in IJCTA (PEER REVIEW) Vol. 9, Issue No. 26, August 2016 ISSN : ---.
30. **"A Novel Algorithm Using Birch with KMeans Clustering Using Dataset in R Data Mining Tool"**
published in I J C T A, (PEER REVIEW) Vol. 9, Issue No. 26, August 2016 ISSN : ---.
31. **"Thyroid Disease Analysis and Accuracy Prediction Using Data Mining Techniques"** published
in IJCTA (PEER REVIEW) Vol. 9, Issue No. 26, August 2016 ISSN : ---.
32. **"A SURVEY ON DIAGNOSIS OF THYROID DISEASE USING DATA MINING TECHNIQUES"**
published in INTERNATIONAL JOURNAL OF COMPUTERSCEINCE AND MOBILE COMPUTING
(PEER REVIEW) Vol. 5, Issue No. 5, May 2016 ISSN : 2320-088X.
33. **"A Survey on Classification Techniques in Data Mining for Analyzing Liver Disease Disorder"**
published in International Journal of Computer Science and Mobile Computing (PEER REVIEW)
Vol. 5, Issue No. 5, May 2016 ISSN : 2320-088X.
34. **"AN EXTENSIVE ANALYSIS ON VARIOUS CLUSTERING ALGORITHM IN DATA MINING"**
published in International Journal of Computer Science and Mobile Computing (PEER REVIEW)
Vol. 5, Issue No. 5, May 2016 ISSN : 2330-088X.
35. **"An Improved Particle Swarm Optimization Algorithm for Meta Task Scheduling In Cloud Environment"** published in International Journal of Computer Science Trends and Technology (IJCST) (PEER REVIEW) Vol. 3, Issue No. 4, July 2015 ISSN : 2347-8578.
36. **"PBCOPSO: A Parallel Optimization Algorithm for Task Scheduling in Cloud Environment"**
published in Indian Journal of Science and Technology (PEER REVIEW) Vol. 8, Issue No. 16, July 2015 ISSN : 0974-5645.
Impact factor , Scopus Index SCOPUS, h - index , Citation index
37. **"SBCOHC: An Optimized Task Scheduling Approach for Public Cloud Environment"** published
in International Journal of Applied Engineering Research (PEER REVIEW) Vol. 10, Issue No. 9,
April 2015 ISSN : 0973-4562.
38. **"Performance Evaluation of Task Scheduling in Cloud Environment Using Soft Computing Algorithms"** published in IJCSN International Journal of Computer Science and Network (PEER REVIEW) Vol. 4, Issue No. 2, April 2015 ISSN : 2277-5420.
39. **"Improved Bee Colony Optimization For Efficient Task Scheduling In Cloud Environment"**
published in International Journal of Applied Engineering Research (PEER REVIEW) Vol. 10, Issue
No. 3, March 2015 ISSN : 0973-4562.
Impact factor , Scopus Index SCOPUS, h - index , Citation index
40. **"AN EXTENSIVE ANALYSIS ON TASK SCHEDULING ALGORITHMS IN CLOUD ENVIRONMENTS"** published in International Journal of Emerging Technologies in Computational and Applied Sciences (IJETCAS) (PEER REVIEW) Vol. 10, Issue No. 4, January 2014 ISSN : 2279-0055.

41. **"RETINAL BASED DISEASE PREDICTION USING DEEP NEURAL NETWORKS AND SVM CLASSIFICATION TECHNIQUES"** published in INTERNATIONAL JOURNAL OF ENGINEERING TRENDS AND TECHNOLOGY(IJETT) (PEER REVIEW) Vol. 49, Issue No. 7, January 1900 ISSN : 2231-8681, Impact factor , Scopus Index , h - index 3, Citation index 34
42. **"Performance Evaluation of Min-Min and Max-Min Algorithms for Job Scheduling in Federated Cloud"** published in International Journal of Computer Applications (PEER REVIEW) Vol. 99, Issue No. 18, January 1900 ISSN : 0975 – 8887.
43. **"Failure Management In Cloud : An Overview"** published in International Journal of Advanced Research in Computer and Communication Engineering (PEER REVIEW) Vol. 2, Issue No. 10, January 1900 ISSN : 2278-1021.
Impact factor , Scopus Index , h - index , Citation index
44. **"A Framework To Optimize Task Scheduling in Cloud Environment"** published in International Journal of Computer Science and Information Technologies (PEER REVIEW) Vol. 5, Issue No. 6, January 1900 ISSN : 0975-9646.

Books Published / Edited

- 2

- * . **PRE FOR CLOUD SECURITY**. TRICHY : LAMBERT ACADEMIC PUBLISHING , December 2023.
- * . **PYTHON PROGRAMMING FOR BEGINNERS**. TRICHY : ALPHA INTERNATIONAL PUBLISHING , November 2023.

Conferences / Workshops / Seminars Organised

- 3

1. International level Workshop Entitled **"ONE WEEK FDP ON PATENTS AND INNOVATIVE TEACHING AND RESEARCH METHODOLOGY"** at BISHOP HEBER COLLEGE, sponsored by BHC, during 02/03/2022 to 06/03/2022.
2. International level Conference Entitled **"IVCET-2020"** at TRICHY, sponsored by BHC, during 14/12/2020 to 14/12/2020.
3. National level Conference Entitled **"NATIONAL CONFERENCE ON COMPUTING TECHNOLOGIES"** at BISHOP HEBER COLLEGE, sponsored by , during 26/02/2018 to 26/02/2018.

Awards Recieved

- 2

| Award Name | Presented by | Year | Level | Instituted by / Place | amount |
|---------------------------------|-----------------------|------------|---------|-----------------------|--------|
| BEST RESEARCHER AWARD 2023-2024 | BHISHOP HEBER COLLEGE | 11/03/2024 | COLLEGE | BISHOP HEBER COLLEGE | 2000 |
| BEST RESEARCHER AWARD | BHC | 01/04/2020 | COLLEGE | BHC | 2000 |

- * DOCTORAL COMMITTEE MEMBER of GOVT ARTS AND SCIENCE COLLEGE-THUVAKUDU-TRICHY during 01/12/2020 - Till Date
- * DOCTORAL COMMITTEE MEMBER of ST.JOSEPHS COLLEGE(AUTONOMOUS) during 10/06/2019 - Till Date
- * DOCTORAL COMMITTEE MEMBER of BDUCC-LALGUDI during 01/11/2018 - Till Date
- * MEMBER BOS FOR B.Sc DATA SCIENCE of NEHRU MEMORIAL COLLEGE-PUTHANAMPATTI. during 01/11/2018 - Till Date
- * DOCTORAL COMMITTEE MEMBER of BISHOP HEBER COLLEGE during 01/06/2018 - Till Date



- # COLLEGE level FDP on **"FDP ON RESEARCH TO REALITY OF AI"** Sponsored by BHC, Organized by BHC-CS-SHIFT2 at GALLERY HALL BHC during 03/03/2023 - 03/03/2023.
- # UNIVERSITY level SELECT on **"ADVANCEMENT IN COMPUTATIONAL THECNOLOGIES"** Sponsored by MGR-UNIVERSITY, Organized by MGR-UNIVERSITY at CHENNAI-ONLINE during 28/03/2022 - 01/04/2022.
- # STATE level FDP on **"Machine Learning"** Sponsored by BHC, Organized by DEPARTMENT OF IT at TRICHY during 10/03/2022 - 10/03/2022.
- # INTERNATIONAL level FDP on **"FDP ON PATENTSAND INNOVATIVE TEACHING AND RESEARCH METHODOLOGY"** Sponsored by BHC, Organized by DEPARTMENT OF COMPUTER SCIENCE SHIFT 2 at TRICHY during 02/03/2022 - 06/03/2022.
- # INTERNATIONAL level TRAINING on **"Machine Learning for Cyber Security and Mulsemedia Computing"** Sponsored by BHC, Organized by DEPARTMENT OF DATA SCIENCE at TRICHY during 01/03/2022 - 01/03/2022.
- # NATIONAL level FDP on **"FDP ON FOG AND EDGE COMPUTING CHALLENGES AND RESEARCH DIRECTIONS"** Sponsored by AICTE, Organized by ATAL at SIKKIM (ONLINE) during 25/09/2021 - 29/09/2021.
- # NATIONAL level FDP on **"INTELLIGENCE AND COLLABORATIVE ROBOTICS"** Sponsored by AICTE, Organized by ATAL at BITS PILLANI during 13/09/2021 - 17/09/2021.
- # NATIONAL level FDP on **"SECURITY AND PRIVACY"** Sponsored by AICTE, Organized by ATAL at MIZORRAM during 09/08/2021 - 13/08/2021.
- # COLLEGE level ORIENTATION on **"SPECISL LECTURE ON BUILDING CHARACTER AND COMPETENCY THROUGH WHOLE PERSON EDUCATION"** Sponsored by IQAC, Organized by IQAC-BHC at ONLINE during 13/10/2020 - 16/10/2020.
- # NATIONAL level FDP on **"NOVEL TOOL FOR ONLINE TEACHING"** Sponsored by BHC, Organized by BCA-DEPARTMENT at ONLINE during 25/07/2020 - 01/01/1900.
- # NATIONAL level FDP on **"THE CHANGING ROLE OF THE TEACHER"** Sponsored by YELLAGIRI ACM CHAPTER, Organized by DON BOSCO COLLEGE- YELLAGIRI HILLS at ONLINE during 27/06/2020 - 27/06/2020.
- # NATIONAL level FDP on **"PRINCIPLES OF MANAGEMENT"** Sponsored by CSI AND IEEE COMPUTER SOCIETY, Organized by PANNIMALAR INSTITUTE IF THECNOLOGY at ONLINE-CHENNAI during 18/05/2020 - 22/05/2020.
- # NATIONAL level FDP on **"RESEARCH INSIGHTS ON IOT"** Sponsored by KRISTU JAYANTHI COLLEGE, Organized by KRISTU JAYANTHI COLLEGE at ONLINE during 15/05/2020 - 18/05/2020.
- # NATIONAL level PANEL DISCUSSION on **"RESEARCH INNOVATION & ENTREPRENEURSHIP OPPORTUNITIES IN COVID 19 SCENARIO"** Sponsored by PDPU-INNOVATION & INCCUBATION CENTRE, Organized by PDPU at ONLINE during 15/05/2020 - 01/01/1900.
- # NATIONAL level FDP on **"CURRENT TRENDS IN SOFTWARE ENGINEERING:DEVOPS OVERVIEW"** Sponsored by MCA -DEPARTMENT, Organized by MCA-DEPARTMENT at BHC during 13/05/2020 - 01/01/1900.
- # NATIONAL level FDP on **"CURRENT TRENDS IN SOFTWARE ENGINEERING:AGILE AND SCRUM OVERVIEW"** Sponsored by MCA -DEPARTMENT, Organized by MCA-DEPARTMENT at BHC during 12/05/2020 - 12/05/2020.
- # NATIONAL level FDP on **"IOT"** Sponsored by NITTR, Organized by ENOVATE SKILLS-NITTR at CHANDIGARH-ONLINE during 15/04/2020 - 19/04/2020.

RESOURCE PERSON - 3

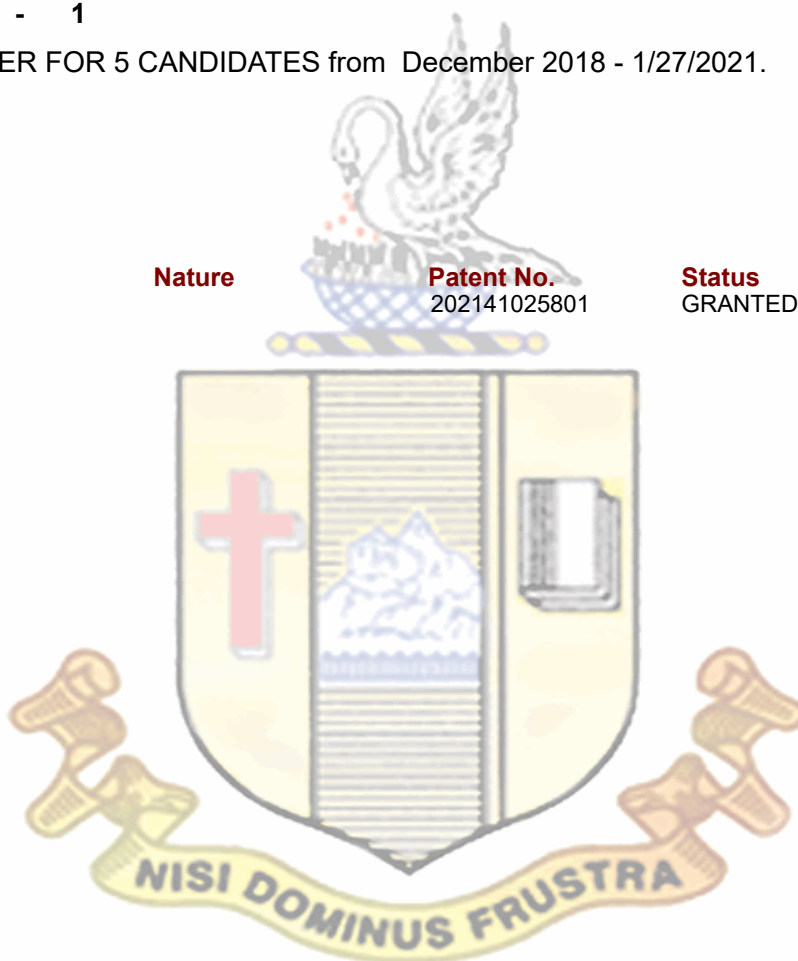
1. College level Chair Person on **"PAPER PRESENTATION"** at ACTURIAL SCIENCE DEPARTMENT, 22/03/2022.
2. National level Invited Lectures on **"GREEN CLOUD COMPUTING"** at IEI TRICHY LOCAL CHAPTER, 08/02/2022.
3. College level Seminar on **"CLOUD COMPUTING"** at KULLITHALAI, 18/03/2017.

CONSULTANCY - 1

University DC-MEMBER FOR 5 CANDIDATES from December 2018 - 1/27/2021.

PATENT - 1

| Type | Nature | Patent No. | Status | Month & Year |
|----------|--------|--------------|---------|-------------------|
| NATIONAL | | 202141025801 | GRANTED | 6/1/2021 12:00:00 |



Signature of Staff
(JEMIMA PRIYADARSINI R)