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Department of Information Technology,
Bishop Heber College,
Tiruchirappalli - 17.

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Qualification

Degree	Branch	Institution / University	Year of Passing
Ph.D	Computer Science	Bharathidasan University	July 2017
Mphil	Computer Science	Bharathidasan University	2005
MCA	Computer Science	Bharathidasan University	1999
B.SC	Computer Science	Bharathidasan University	1996

Ph.D. Details

Title of Thesis		Area of Specialization	
A Study on Security and Speed Enhancement for Public Key Cryptography in Communication Network		Network Security and Cryptography	
Research Supervisor	Research Centre	Year of Award	
Dr.D.I.George Amalarethinam	Jamal Mohamed College,Trichy	July 2017	

Cleared NET / SET :	Details	Year of Passing
SET	04030256	october 2012
Cleared NET / SET :	Details	Year of Passing
NET	220520166443	December 2022

Additional Qualification

Name of Course	Place of Study	Date	Duration
NPTEL Course Software Testing	NPTEL	April 2020	4 weeks
Programming in Java	NPTEL	October 2022	12 weeks
Problem Solving Through Programming in C	NPTEL	April 2023	12 weeks
Microsoft Excel Learn MS EXCEL for Data Analysis.	Udemy	March 2022	5 Hours
Python for Data Science	NPTEL	March 2022	4 weeks
Introduction to Internet of Things	NPTEL	October 2023	12 weeks
Cloud Computing	NPTEL	April 2024	12 weeks

Work Experience

Name of Institution	Address of Institution	Designation	From	To
Nehru Memorial College	Nehru Memorial College, Puthanampatti Trichy-621007	Assistant Professor	14-07-1999	06-07-2018
Bishop Heber College	Bishop Heber College Trichy-620017	Assistant Professor	09-07-2018	Till Date

Teaching / Research Experience

U.G. : 24 P.G. : 24 M.Phil. : 15 Ph.D. : 3

Research Guidance

U.G. : P.G. : 75 M.Phil. : 30 Ph.D. :

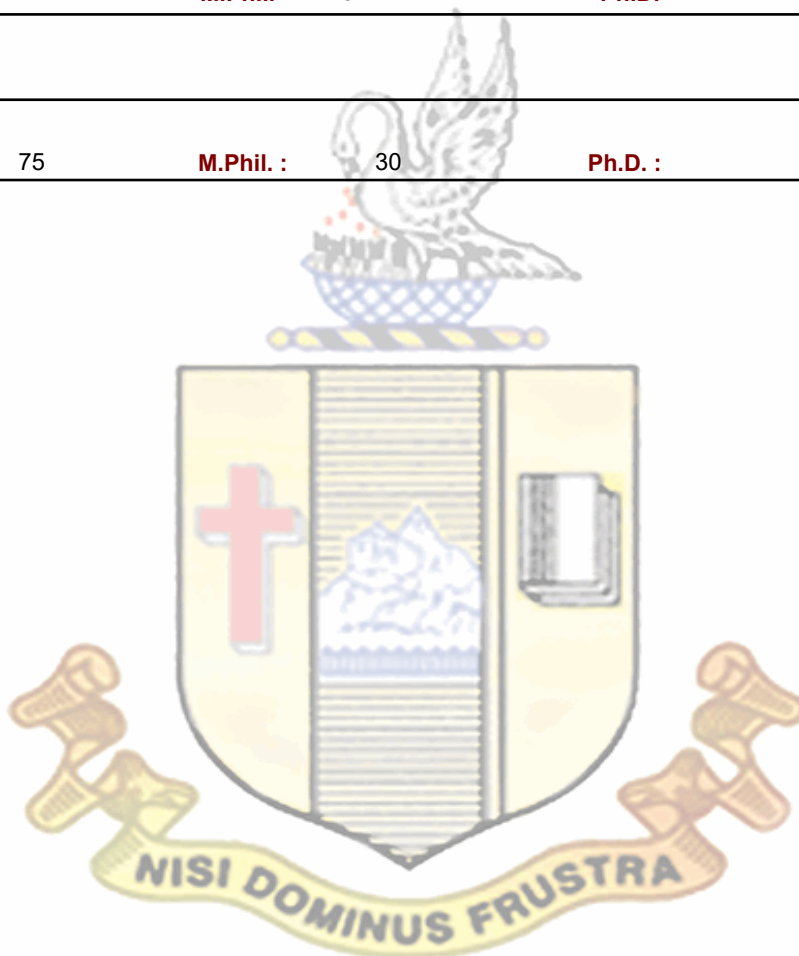


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7.	Research Projects	0
8.	Resource Person	13
9.	Consultancy	0
10.	Awards Recieved	0
11.	Patent	0
12.	Extension Activities Undertaken	0
13.	Professional Membership	2
14.	M.Phil. / Ph.D. Produced	1 / 0

1. National level Orientation on **"Online FDP on Leveraging AI for Smart Teaching"** sponsored by Bishop Heber College organized by Department of Information Technology at Bishop Heber College during 04/03/2024 to 09/03/2024.
2. National level Orientation on **"FDP on Road Map for Intellectual Property Rights"** sponsored by Jamal Mohamed College organized by IQAC IIC and IPRC at Jamal Mohamed College, Trichy during 08/01/2024 to 12/01/2024.
3. International level Orientation on **"FDP on Cloud Computing"** sponsored by MoE, Govt. of India organized by NPTEL AICTE at IIT Kharagpur during 01/01/2024 to 30/04/2024.
4. National level Orientation on **"FDP on Cyber Security and Artificial Intelligence"** sponsored by Computer Society of India organized by Computer Society of India at Periyar Maniammai Institute of Science and Technology during 24/11/2023 to 30/11/2023.
5. National level Orientation on **"FDP on Deep Learning Case Studies"** sponsored by TCS organized by Christ Deemed to be University at Bangalore during 25/10/2023 to 31/10/2023.
6. National level Orientation on **"FDP On Recent Trends in Research Methodology"** sponsored by Bishop Heber College organized by Department of Computer Science at Bishop Heber College during 22/09/2023 to 27/09/2023.
7. National level Orientation on **"online FDP on Emerging trends in Data Analytics and Machine Learning"** sponsored by Karunya Deemed University organized by Karunya deemed University at Coimbatore during 18/09/2023 to 22/09/2023.
8. International level Orientation on **"Online FDP on Introduction to Internet of Things"** sponsored by MoE., Govt. of India organized by NPTEL AICTE at IIT Madras during 01/07/2023 to 31/10/2023.
9. National level Refresher on **"Online FDP on ChatGPT for Academics"** sponsored by Bishop Heber College organized by Department of Computer Science at Trichy during 22/06/2023 to 22/06/2023.
10. National level Workshop on **"National Level Workshop on ChatGPT for Academics"** sponsored by St Josephs College organized by Department of Computer Science at Trichy during 21/06/2023 to 21/06/2023.
11. National level Refresher on **"FDP on React JS"** sponsored by Bishop Heber College organized by Department of Information Technology at Trichy during 18/03/2023 to 18/03/2023.
12. International level Orientation on **"FDP on Problem Solving through Programming in C"** sponsored by MoE, Govt. of India organized by NPTEL AICTE at IIT Madras during 01/01/2023 to 30/04/2023.
13. International level Workshop on **"International Workshop on Big Data Analytics using Distributed Computing"** sponsored by Jamal Mohamed College organized by Jamal Mohamed College at Tiruchirappalli during 23/12/2022 to 23/12/2022.
14. International level Seminar on **"International seminar on Research Areas in Data Analytics and Security"** sponsored by Holy Cross College organized by Holy Cross College at Tiruchirappalli during 19/12/2022 to 19/12/2022.
15. International level Workshop on **"International level Workshop on 7 Secrets to Mastering Effective Communication Skills in English"** sponsored by Research Inia Foundation organized by BlueCrest University College at Bhubaneswar, Odisha, INDIA during 09/10/2022 to 09/10/2022.
16. College level Refresher on **"FDP on Student Mental Health"** sponsored by Bishop Heber College organized by IQAC and Deanary of Academics at Bishop Heber College during 15/07/2022 to 15/07/2022.
17. International level Orientation on **"FDP on Programming in Java"** sponsored by MoE, Govt. of India organized by NPTEL AICTE at IIT Madras during 01/07/2022 to 31/10/2022.

18. National level Seminar on **"Machine Learning and Artificial Intelligence in Pandemic Era"** sponsored by TANSCHCE organized by Holy Cross College at Tiruchirappalli during 22/04/2022 to 22/04/2022.
19. State level Orientation on **"State Level FDP on Machine Learning"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli during 10/03/2022 to 10/03/2022.
20. International level Seminar on **"International Seminar on Advanced Computing"** sponsored by Jamal Mohamed College organized by Jamal Mohamed College at Tiruchirappalli during 10/03/2022 to 11/03/2022.
21. National level Orientation on **"FDP on Patents and Innovative Teaching and Research Methodology"** sponsored by Bishop Heber College organized by Department of Computer Science at Tiruchirappalli during 02/03/2022 to 06/03/2022.
22. National level Seminar on **"Indias achievements in Science and Technology"** sponsored by Government of India in association with Tamil Nadu Science & Technology centre and Tamilnadu Astronomical Science Society and Bishop Heber College and Ariviyal Palagai organized by Bishop Heber College at Tiruchirappalli during 22/02/2022 to 28/02/2022.
23. National level Seminar on **"National Level Seminar Outcome Based Education"** sponsored by Computer Society of India organized by Computer Society of India at Kancheepuram during 12/02/2022 to 12/02/2022.
24. National level Orientation on **"Recent Trends in Research"** sponsored by SRM Institute of Science and Technology organized by SRM Institute of Science and Technology at Chennai during 09/02/2022 to 10/02/2022.
25. College level Orientation on **"Research Paper Writing for Professional Development"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli during 28/01/2022 to 28/01/2022.
26. International level Seminar on **"Recent Trends in Automated Testing"** sponsored by Sathyabama Institute of Science and technology organized by Sathyabama Institute of Science and technology at Chennai during 25/01/2022 to 25/01/2022.
27. International level Orientation on **"FDP on Technologies for the new era for"** sponsored by Cauvery College for Women organized by Cauvery College for Women at Tiruchirappalli during 22/01/2022 to 22/01/2022.
28. National level Orientation on **"FDP on AI in Business"** sponsored by St Josephs college organized by St Josephs college at Tiruchirappalli during 11/01/2022 to 11/01/2022.
29. International level Seminar on **"International Webinar on Python Programming Language"** sponsored by Jayarani Arts and Science College for Women organized by Jayarani Arts and Science College for Women at Salem during 03/01/2022 to 03/01/2022.
30. International level Orientation on **"FDP on Python for Data Science"** sponsored by MoE, Govt. of India organized by NPTEL AICTE at IIT Madras during 01/01/2022 to 28/02/2022.
31. International level Conference on **"International Conference on Recent Trends in Cyber Security"** sponsored by Shrimathi Indira Gandhi College organized by Shrimathi Indira Gandhi College at Tiruchirappalli during 15/12/2021 to 15/12/2021.
32. International level Orientation on **"International Faculty Development Programme on Blended and Inclusive Strategies in Artificial Intelligence and Machine Learning"** sponsored by Holy Cross College organized by Holy Cross College at Tiruchirappalli during 18/10/2021 to 22/10/2021.
33. International level Seminar on **"International Seminar on Robotics and Machine Learning"** sponsored by Aiman College of Arts and Science for Women and organized by Aiman College of Arts and Science for Women at Tiruchirappalli during 24/09/2021 to 24/09/2021.
34. National level Conference on **"Recent Trends in Research and Information Technology"** sponsored by AICTE organized by Marudhar Kesari Jain College For Women at Vaniyambadi during 22/09/2021 to 23/09/2021.

35. National level Refresher on **"Two Days National Level FDP on Recent Research Innovation in Computer Science and Technology"** sponsored by Marudhar Kesari Jain College for Women organized by Marudhar Kesari Jain College For Women, Vaniyambadi. at Vaniyambadi during 27/08/2021 to 28/08/2021.
36. National level Refresher on **"Six Day Virtual Faculty Development Programme on Recent Trends in Data Science and Big Data Analytics"** sponsored by KG College of Arts and Science organized by KG College of Arts and Science at Coimbatore during 28/06/2021 to 03/07/2021.
37. National level Seminar on **"Illuminating Mastery of Big Data, Analytics in Python"** sponsored by Aiman College of Arts and Science for Women organized by Aiman College of Arts and Science for Women at Tiruchirappalli during 10/06/2021 to 10/06/2021.
38. National level Workshop on **"A two day workshop on EResources"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli during 26/03/2021 to 27/03/2021.
39. International level Workshop on **"International Virtual Workshop on Research Ethics - Software Tools for doing research, publications in peer reviewed Journals"** sponsored by Agurchand Manmull Jain College organized by Agurchand Manmull Jain College at chennai-14 during 19/03/2021 to 01/01/1900.
40. College level Refresher on **"Dot NET core and Open Source Web Frameworks"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli during 06/03/2021 to 06/03/2021.
41. College level Seminar on **"Research Trends in Computer Science"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli during 05/03/2021 to 05/03/2021.
42. State level Refresher on **"Faculty development programme on Artificial Intelligence and Machine Learning"** sponsored by Bishop Heber College organized by Dept of Information Technology at Trichy during 26/02/2021 to 27/02/2021.
43. State level Seminar on **"Digital Principles and its Applications"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli during 27/01/2021 to 27/01/2021.
44. International level Conference on **"International Virtual Conference on Emerging Trends in Computing Science"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli during 14/12/2020 to 14/12/2020.
45. International level Seminar on **"Social Media in the age of Artificial Intelligence"** sponsored by St Aloysius College organized by St Aloysius College at Mangaluru during 11/12/2020 to 11/12/2020.
46. National level Seminar on **"Image Processing trends and Applications"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli during 18/11/2020 to 18/11/2020.
47. National level Seminar on **"Arivom Velvom Putru Noyai"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli during 07/11/2020 to 01/01/1900.
48. College level Workshop on **"Virtual Workshop: Getting started with Java Using Alice in Oracle Academy Member Hub"** sponsored by Oracle Academy organized by Oracle Academy at Tiruchirappalli during 05/11/2020 to 05/11/2020.
49. National level Seminar on **"Open Source Application and NET core"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli during 28/10/2020 to 01/01/1900.
50. National level Workshop on **"Workshop on Econtent Development"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli during 27/10/2020 to 02/11/2020.
51. National level Seminar on **"Breast Cancer Awareness"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli during 21/10/2020 to 21/10/2020.

52. College level Orientation on **"Special Lecture on Building Character and Competency through Whole Person Education"** sponsored by IQAC organized by Bishop Heber College at Tiruchirappalli during 13/10/2020 to 16/10/2020.
53. International level Seminar on **"International Webinar on Overview of PAAS in Cloud"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 18/08/2020 to 11/08/2020.
54. State level Seminar on **"Agile Methodology- Practices for Software Development and Testing"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli during 31/07/2020 to 31/07/2020.
55. National level Seminar on **"Infusing Cloud Computing Services and Artificial Intelligence in Microsoft Azure"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 23/07/2020 to 23/07/2020.
56. National level Seminar on **"Information Technology Infrastructure Library(ITILC)-Overview and Key concepts"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 22/07/2020 to 22/07/2020.
57. National level Seminar on **"IOT Applications to Fight against COVID-19 Pandemic"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 17/07/2020 to 17/07/2020.
58. National level Seminar on **"Recent trends in Mobile Computing and its applications"** sponsored by Nehru Memorial College organized by Nehru Memorial College at Puthanampatti Trichy during 17/07/2020 to 17/07/2020.
59. National level Seminar on **"Research Writing Tools and techniques"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 15/07/2020 to 15/07/2020.
60. National level Seminar on **"Predatory Journals-A Growing Threat for Academicians"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 04/07/2020 to 04/07/2020.
61. National level Seminar on **"Webinar on NoSQL"** sponsored by Jamal Mohamed College organized by Jamal Mohamed College at Trichy during 24/06/2020 to 24/06/2020.
62. National level Seminar on **"Online Examination Tools"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 20/06/2020 to 20/06/2020.
63. International level Orientation on **"International Faculty Development Programme on Recent Trends in Computer Science and its Research Perspective"** sponsored by Marudhar Kesari Jain College For Women organized by Marudhar Kesari Jain College For Women at Vaniyambadi during 10/06/2020 to 16/06/2020.
64. International level Seminar on **"Research Proposal Writing"** sponsored by CMR Technical Campus organized by CMR Technical Campus at Telangana during 09/06/2020 to 09/06/2020.
65. National level Orientation on **"Sci Lab – Computational Software"** sponsored by Government Degree College for Women organized by Government Degree College for Women at Telangana during 08/06/2020 to 13/06/2020.
66. National level Seminar on **"webinar on Cyber Security as a career for job aspirants"** sponsored by MLR Institute of technology organized by MLR Institute of technology at Telangana during 07/06/2020 to 07/06/2020.
67. National level Seminar on **"Developing JSF Web Applications with Hibernate - A Hands on Approach"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 06/06/2020 to 06/06/2020.
68. National level Seminar on **"Future of Machine Learning and Artificial Intelligence"** sponsored by MLR Institute of technology organized by MLR Institute of technology at Telangana during 06/06/2020 to 06/06/2020.

69. International level Seminar on **"International webinar on scope and impact of Artificial Intelligence and Machine Learning"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 05/06/2020 to 05/06/2020.
70. National level Seminar on **"Webinar on Python Programming"** sponsored by Jamal Mohamed College organized by Jamal Mohamed College at Trichy during 03/06/2020 to 03/06/2020.
71. College level Seminar on **"Online Teaching Tool"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 30/05/2020 to 30/05/2020.
72. National level Seminar on **"Distributed Cloud Computing in Social Media"** sponsored by Srimad Andavan Arts and Science College, organized by Srimad Andavan Arts and Science College, at Trichy during 29/05/2020 to 29/05/2020.
73. National level Seminar on **"Exploring Data Analytics using Spark platform and cloud service using kubernetes containers"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 28/05/2020 to 28/05/2020.
74. National level Seminar on **"Microsoft Azure and its services"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 27/05/2020 to 27/05/2020.
75. National level Seminar on **"National Level Online Webinar Programme on IOT and its Application"** sponsored by SLS.MAVMM. Ayira Vaisyar College, organized by SLS.MAVMM. Ayira Vaisyar College, at Madurai during 27/05/2020 to 27/05/2020.
76. National level Workshop on **"Online Workshop on Data Science And Visualization Using Python"** sponsored by CSI Gwalior Chapter & The Institution of Engineers (India) organized by CSI Gwalior Chapter & The Institution of Engineers (India) at Gwalior(MP) during 24/05/2020 to 24/05/2020.
77. International level Orientation on **"International Faculty Development Programme on AI based proctoring in Next Generation Education"** sponsored by Shasun Jain College for Women, organized by Shasun Jain College for Women, at Chennai during 23/05/2020 to 23/05/2020.
78. College level Seminar on **"Webinar on Unlocking online Evaluation"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 22/05/2020 to 22/05/2020.
79. State level Seminar on **"Webinar on online Teaching: The New Norm"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 21/05/2020 to 21/05/2020.
80. National level Seminar on **"Opportunities in Artificial Intelligence"** sponsored by Chendu College of Engineering and Technology organized by Chendu College of Engineering and Technology at Kancheepuram during 21/05/2020 to 21/05/2020.
81. National level Seminar on **". Immunity Boosters for COVID'19"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 20/05/2020 to 20/05/2020.
82. National level Seminar on **"webinar on An Overview of GST"** sponsored by Shasun Jain College for Women, organized by Shasun Jain College for Women, at Chennai during 19/05/2020 to 19/05/2020.
83. National level Orientation on **"Online Faculty Development Programme on Data Science"** sponsored by Jamal Mohamed College organized by Jamal Mohamed College at Trichy during 18/05/2020 to 18/05/2020.
84. National level Orientation on **"Online Faculty Development Programme on SAP"** sponsored by Jamal Mohamed College organized by Jamal Mohamed College at Trichy during 18/05/2020 to 18/05/2020.
85. National level Seminar on **"Webinar on Knowledge Gained through the Challenging Exercise of NAAC: Success Story"** sponsored by St.Joseph's College organized by St.Joseph's College at Trichy during 15/05/2020 to 15/05/2020.

86. National level Seminar on **"Webinar on User Interface (UI Design)"** sponsored by Shrimathi Devkunvar nanalal bhatt vaishnav college for women, organized by Shrimathi Devkunvar nanalal bhatt vaishnav college for women, at Chennai during 14/05/2020 to 14/05/2020.
87. National level Seminar on **"Webinar on Information Retrival Techniques"** sponsored by Er.Perumal Manimekalai College of Engineering, organized by Er.Perumal Manimekalai College of Engineering, at Hosur during 12/05/2020 to 12/05/2020.
88. National level Seminar on **". Webinar on A Guide to Web Development"** sponsored by Karpagam College of Engineering, organized by Karpagam College of Engineering, at Coimbatore during 12/05/2020 to 01/01/1900.
89. National level Seminar on **"Webinar on Recent trends in Cloud Computing"** sponsored by Jamal Mohamed College organized by Jamal Mohamed College at Trichy during 11/05/2020 to 11/05/2020.
90. National level Orientation on **".Online Faculty Development Programme on Recent Trends in Color Image Processing"** sponsored by Patrician College of Arts and Science, organized by Patrician College of Arts and Science, at Chennai during 11/05/2020 to 11/05/2020.
91. National level Seminar on **"Unleashing Machine Learning and Cloud Computing"** sponsored by Holy Cross College organized by Holy Cross College at Trichy during 09/05/2020 to 09/05/2020.
92. National level Workshop on **"Online Workshop on Research Methodology"** sponsored by Pandit Deendayal Petroleum University organized by Pandit Deendayal Petroleum University at Gujarat during 06/05/2020 to 06/05/2020.
93. National level Workshop on **"Real Time Applications using Next Generation IOT Technology"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli during 14/02/2020 to 14/02/2020.
94. International level Conference on **"Two Day International Conference"** sponsored by Idhaya College for Women organized by Idhaya College for Women at Kumbakonam during 03/02/2020 to 04/02/2020.
95. State level Workshop on **"Intellectual Property Rights"** sponsored by TNSCST organized by Cauvery College for Women at Tiruchirappalli during 26/09/2019 to 27/09/2019.
96. State level Workshop on **"Machine Learning Techniques"** sponsored by Nehru Memorial College organized by Nehru Memorial College at Puthanampatti during 30/08/2019 to 31/08/2019.
97. National level Seminar on **"Emerging Trends in Computer Science"** sponsored by UGC organized by Government College for Women at Kumbakonam during 13/07/2019 to 14/07/2019.
98. College level Refresher on **"Faculty Recharging Programme"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli during 12/06/2019 to 13/06/2019.
99. College level Workshop on **"Workshop on Internet Of Things"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli during 27/02/2019 to 27/02/2019.
100. Regional level Workshop on **"One Day Faculty Development Programme on Rapid Application Development using Python"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli during 22/09/2018 to 22/09/2018.
101. College level Workshop on **"Research Project Preparation for various Funding Agencies with Special Reference to W"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli during 02/08/2018 to 02/08/2018.
102. National level Conference on **"Computing and Communication Technologies"** sponsored by Jamal Mohamed College organized by Jamal Mohamed College at Tiruchirappalli during 20/02/2018 to 20/02/2018.

- 103 National level Conference on **"National Conference on Computing and Communication Technologies"** sponsored by Jamal Mohamed College organized by Jamal Mohamed College at Tiruchirappalli during 17/09/2016 to 17/09/2016.
- 104 International level Seminar on **"International Seminar on SMAC – Digital Technology"** sponsored by Marudhar Kesari Jain College for Women organized by Marudhar Kesari Jain College for Women at Vaniyambadi during 03/09/2016 to 03/09/2016.
- 105 National level Workshop on **"Research Issues in Bigdata Analytics"** sponsored by Computer Society of India organized by Computer Society of India at Bharathidasan University Technology Park, Tiruchirappalli during 27/03/2014 to 27/03/2014.
- 106 National level Workshop on **"Mobile Computing and J2ME Applications"** sponsored by DNV organized by MAM College of Engineering at Tiruchirappalli during 03/08/2011 to 03/08/2011.
- 107 State level Workshop on **"Mathematical Computation on MATLAB"** sponsored by Nehru Memorial College organized by Nehru Memorial College at Puthanampatti during 19/09/2008 to 19/09/2008.
- 108 National level Workshop on **"Mobile Computing"** sponsored by Periyar university organized by Periyar university at salem during 30/08/2008 to 30/08/2008.



1. **"An Overview and Analysis of Security Threats and Risk Mitigations in Internet of Things"** in the International conference on *International Conference on Scientific and Technological Advancements on Reliable and Sustainable future* sponsored by Bishop Heber College, organized by Deanery of Academics department of Information Technology and Computer Science at Bishop Heber College Trichy-17 during 16/11/2022 to 18/11/2022.
2. **"A Survey on Security Challenges and Solutions in Internet of Things - IOT"** in the International conference on *International Virtual Conference on Emerging Trends in Computing Science* sponsored by Bishop Heber College, organized by Bishop Heber College at Tiruchirappalli during 14/12/2020 to 14/12/2020.
3. **"Secure password transmission using cryptography and Image steganography"** in the National conference on *National Conference on Computing and Communication Technologies* sponsored by Jamal Mohamed College, organized by Jamal Mohamed College at Tiruchirappalli during 17/09/2016 to 17/09/2016.
4. **"Enhancement of Security in Public Key Cryptography Using Message Encoding With Bit Stuffing"** in the National conference on *National Conference on Computing and Communication Technologies* sponsored by Jamal Mohamed College, organized by Jamal Mohamed College at Tiruchirappalli during 17/09/2016 to 17/09/2016.
5. **"DNA Cryptography Using Asymmetric Key Exchange Network and Routing Protocol"** in the National conference on *National Conference on Computing and Communication Technologies* sponsored by Jamal Mohamed College, organized by Jamal Mohamed College at Tiruchirappalli during 17/09/2016 to 17/09/2016.
6. **"Asymmetric Group Communication Security Using PRNG"** in the National conference on *National Conference on Computing and Communication Technologies* sponsored by Jamal Mohamed College, organized by Jamal Mohamed College at Tiruchirappalli during 17/09/2016 to 17/09/2016.
7. **"MRImEncA- Analysis and Enhancement of speed and security in Public key Cryptography for image file"** in the International conference on *International Conference on Advanced Computing* sponsored by UGC, organized by Jamal Mohamed College at Jamal Mohamed College, Tiruchirappalli, during 03/12/2015 to 04/12/2015.
8. **"Image Encryption and Decryption in Public Key Cryptography based on MR"** in the International conference on *IEEE International Conference on Computing and Communications Technologies* sponsored by Sri Sai Ram Engineering College, organized by Sri Sai Ram Engineering College at Chennai during 26/02/2015 to 27/02/2015.
9. **"ABCRNG - Swarm Intelligence in Public key cryptography for Random number generation"** in the International conference on *International Conference on Mathematical Methods and Computation* sponsored by Jamal Mohamed College, organized by Jamal Mohamed College at Tiruchirappalli during 22/01/2015 to 23/01/2015.
10. **"Enhancing Security Level for Public key Cryptosystem Using MRGA"** in the International conference on *World Congress on Computing and Communication Technologies (WCCCT'14)* sponsored by St. Josephs College, Trichy, organized by St. Josephs College, Trichy at Tiruchirappalli during 27/02/2014 to 01/03/2014.
11. **"An Analysis of Symmetric and Asymmetric cryptography to classify the associated issues"** in the National conference on *National Conference on Advanced Computing NCAC - 2013* sponsored by UGC, organized by Jamal Mohamed College, Trichy at Jamal Mohamed College, Trichy during 03/07/2013 to 03/07/2013.
12. **"Crypt Analysis and Enhancement Through Public Key Cryptography"** in the National conference on *National Conference on Advanced Computing and Technology* sponsored by DNV, organized by Jayaram College of Engineering and Technology, Trichy at Jayaram College of Engineering and Technology, Trichy during 20/09/2006 to 22/09/2006.

1. **"Adaptive Artificial Bee Colony Algorithm-Based Enhancement of Data Security in Cloud Computing"** published in SN Computer Science (PEER REVIEW) Vol. 5, Issue No. 1, December 2023 ISSN : 2661-8907.
Impact factor , Scopus Index scopus, h - index 25, Citation index
2. **"Enhance the Security of Data Storage and Retrieval in Cloud Computing Through Authentication Based Encryption"** published in International Journal of Recent Technology and Engineering (PEER REVIEW) Vol. 8, Issue No. 4, November 2019 ISSN : 2277-3878.
Impact factor , Scopus Index scopus, h - index , Citation index
3. **"A Survey on Secured Communication with high speed using Public key Cryptography"** published in International Journal of Scientific and Engineering Research (PEER REVIEW) Vol. 7, Issue No. 4, April 2016 ISSN : 2229-5518.
4. **"Analysis and Enhancement of Speed in Public Key Cryptography using Message Encoding Algorithm"** published in Indian Journal of Science and Technology (PEER REVIEW) Vol. 8, Issue No. 16, July 2015 ISSN : 0974-6846.
Impact factor , Scopus Index scopus, h - index , Citation index 15
5. **"Image Encryption and Decryption in Public Key Cryptography based on Magic Rectangle"** published in IEEE Explore (CONFERENCE PROCEEDING) Vol. , Issue No. , February 2015 ISSN : 978-1-4799-7622-5.
Impact factor , Scopus Index , h - index , Citation index 5
6. **"ABCRNG - Swarm Intelligence in Public key Cryptography for Random Number Generation"** published in International Journal of Fuzzy Mathematical Archive (PEER REVIEW) Vol. 6, Issue No. 2, January 2015 ISSN : 2320 -3242.
Impact factor , Scopus Index , h - index , Citation index 2
7. **"MRImgEncA- Analysis and Enhancement of speed and security in Public key Cryptography for Image file"** published in International Journal of Applied Engineering Research (PEER REVIEW) Vol. 10, Issue No. 82, January 2015 ISSN : 0973-4562.
Impact factor , Scopus Index scopus, h - index , Citation index
8. **"ModBlockExpoA- Enhancement on Speed and Security using Modularization in Public key Cryptography"** published in International Journal of Applied Engineering Research (PEER REVIEW) Vol. 10, Issue No. 82, January 2015 ISSN : 0973-4562.
Impact factor , Scopus Index scopus, h - index , Citation index
9. **"Trust Based Data Aggregation for Efficient Routing in Wireless Sensor Network"** published in International Journal of Emerging Trends in Computing and Communication Technology (PEER REVIEW) Vol. 1, Issue No. 2, November 2014 ISSN : 2348- 4454..
10. **"Add-on Security Level for Public Key Crypto system using Magic Rectangle with Column/Row Shifting"** published in , International Journal of Computer Applications (PEER REVIEW) Vol. 96, Issue No. 14, June 2014 ISSN : 0975 – 8887.
Impact factor , Scopus Index , h - index , Citation index 4
11. **"Enhancing Security Level for Public key Cryptosystem using MRGA"** published in IEEE Explore (CONFERENCE PROCEEDING) Vol. , Issue No. , January 2014 ISSN : 978-1-4799-2876-7.
Impact factor , Scopus Index , h - index , Citation index 4

12. **"Security Enhancement for Wireless Protocol WEP by Random Shuffling Encryption"** published in International Journal of Network and Mobile Technologies (PEER REVIEW) Vol. 2, Issue No. 1, June 2011 ISSN : 2230-8903.
13. **"An improved Particle Swarm Optimization"** published in International Journal of Modern Engineering Research (PEER REVIEW) Vol. 1, Issue No. 1, January 2011 ISSN : 2249-6645.
14. **"Speed and Security Enhancement through Public Key Cryptography"** published in International Journal Engineering Science and Technology (PEER REVIEW) Vol. 2, Issue No. 8, August 2010 ISSN : 0975-5462.

Publication in Books - 2

1. **ModBlockExpoA-Enhancement on Speed and Security using Modularization in Public Key Cryptography**. Advanced Engineering Research and Application. Delhi :Research India Publication, January 2018.
2. **Enhancing Security level for Public key Cryptography using MRGA**. Networking Communication and Data Knowledge Engineering. Singapore :Springer, January 2018.

Books Published / Edited - 2

- * Dr.J.SAI GEETHA . **Secured Communication mechanism in Public key Cryptography**. Germany : Scholars' Press , January 2018.
- * Dr.J.SAI GEETHA . **Computer Organization and Architecture**. Bharathidasan University,Tiruchirappalli : Bharathidasan University , April 2017.

Conferences / Workshops / Seminars Organised - 3

1. National level Conference Entitled **"National Level Virtual Conference on Information and Computing Technologies"** at Bishop Heber College Tiruchirappalli, sponsored by Bishop Heber College Tiruchirappalli, during 25/02/2022 to 25/02/2022.
2. National level Seminar Entitled **"Arivom velvom putrunoyai"** at Bishop Heber College, Trichy, sponsored by Bishop Heber College, during 07/11/2020 to 01/01/1900.
3. National level Seminar Entitled **"Microsoft Azure and its Services"** at Bishop Heber College,Trichy, sponsored by Bishop Heber College, during 27/05/2020 to 01/01/1900.

PROFESSIONAL MEMBERSHIP - 2

- * Book Chapter Reviewer of Bharathiar University Coimbatore during 26/10/2020 - Till Date
- * Doctoral Committee Member of Jamal Mohamed College Trichy-20 during 18/12/2017 - Till Date

TRAINING PROGRAMME

- 3

- # NATIONAL level one week training on **"One week National Level Short Term Course on ICT Tools for Interactive Teaching and Blended Learning"** Sponsored by Bishop Heber College, Organized by Deanery of Academics at Bishop Heber College Tiruchirappalli during 12/07/2021 - 19/07/2021.
- # NATIONAL level Two day training on **"Two day online Industry Led Training on Amazon Web Services"** Sponsored by RMK Engineering College, Organized by RMK Engineering College at Tiruvallur during 04/06/2020 - 05/06/2020.
- # NATIONAL level Five days training on **"UGC NET PAPER-I ONLINE TEST SERIES"** Sponsored by Patrician College of Arts and Science, Organized by Patrician College of Arts and Science at Chennai during 14/05/2020 - 18/09/2020.

RESOURCE PERSON

- 13

1. College level Workshop on **"Problem Solving using Python"** at Jamal Mohamed College, Trichy-20, 27/12/2023.
2. College level Workshop on **"Python with Data science"** at Jamal Mohamed College, Trichy-20, 15/09/2022.
3. National level Seminar on **"Seminar on Internet of Things"** at Sri Amaraavathi College of Arts and Science, Karur-18, 22/10/2021.
4. International level Seminar on **"IOT Centric Smart Systems"** at Rabiammal Ahamed Maideen College for Women, Thiruvarur, 20/09/2021.
5. National level Seminar on **"Internet of Things (IOT) using Arduino"** at Madurai Sivakasi Nadars Pioneer Meenakshi Womens College Poovanthi 630611, 27/08/2020.
6. National level Seminar on **"Current Scenario on IOT"** at Jamal Mohamed College, Trichy-20, 15/06/2020.
7. College level Seminar on **"Concepts of network security"** at Dhanalakshmi Srinivasan College of Arts and Science for Women, Perambalur-621212, 12/06/2020.
8. National level Seminar on **"National Seminar on IOT-2020"** at Jairams Arts and Science College, Karur-639003, 05/03/2020.
9. National level Workshop on **"Research Methodology and its Applications"** at Annai Vailankanni Arts and Science College, Thanjavur-613007, 15/02/2020.
10. College level Seminar on **"Internet of Things"** at Jamal Mohamed College, Trichy-20, 22/03/2019.
11. College level Invited Lectures on **"Awareness in Online Communication Security"** at Sri Saradha college for Women, Perambalur, 02/02/2018.
12. College level Seminar on **"Windows Application"** at Jamal Mohamed College, Trichy-20, 19/02/2015.
13. College level Seminar on **"Network Security"** at Jamal Mohamed College, Trichy-20, 14/03/2014.

Signature of Staff
(SAI GEETHA J)