

Dr.SAI GEETHA J

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

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Web:

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 Amalarethnam | 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 |
|--|----------------|---------------|----------|
| Introduction to Industry 4.0 and Industrial Internet of Things | NPTEL | October 2024 | 12 weeks |
| 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 |
| Python OOP - Object Oriented Programming for Beginners | Udemy | December 2024 | 19 Hours |
| Python Basics Course | Udemy | December 2024 | 2 Hours |
| Data Structures and Algorithms Python: The Complete Bootcamp | Udemy | December 2024 | 20 Hours |

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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| 1. | Conferences / workshops / Seminars Attended | 113 |
| 2. | Research Papers Presented | 12 |
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| 4. | Publication in Books | 2 |
| 5. | Books Published / Edited | 2 |
| 6. | Conferences / Workshops / Seminars Organised | 3 |
| 7. | Research Projects | 0 |
| 8. | Resource Person | 14 |
| 9. | Consultancy | 0 |
| 10. | Awards Recieved | 1 |
| 11. | Patent | 1 |
| 12. | Extension Activities Undertaken | 0 |
| 13. | Professional Membership | 2 |
| 14. | M.Phil. / Ph.D. Produced | 1 / 0 |

1. International level Orientation on **"FDP on Convergence of Software Systems, Artificial Intelligence, and Data Analytics"** sponsored by Holy Cross College organized by Holy Cross College at Tiruchirappalli during 25/11/2024 to 29/11/2024.
2. National level Orientation on **"FDP on Leveraging AI Technologies for enhanced Teaching Learning and Assessment"** sponsored by Jamal Mohamed College organized by Department of Computer Science and Information Technology at Jamal Mohamed College during 29/07/2024 to 02/08/2024.
3. International level Orientation on **"FDP on ntroduction to Industry 4.0 and Industrial Internet of Things"** sponsored by MoE., Govt. of India organized by NPTEL AICTE at IIT Madras during 01/07/2024 to 26/10/2024.
4. -1 level Orientation on **"NEP 2020 Orientation NEP Sensitization Programme"** sponsored by UGC organized by UGC-Malaviya Mission Teacher Training Centre at Bharathidasan University during 18/06/2024 to 27/06/2024.
5. College level Orientation on **"FDP on Empowering Educations-Enhancing Quality, Skills and Technology Integration"** sponsored by Bishop Heber College organized by IQAC at Bishop Heber College during 10/06/2024 to 14/06/2024.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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.
11. 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.
12. National level Orientation on **"online FDP on Emerging trends in Data Analytics and Machine Learning"** sponsored by Karunya Deemed Uiversity organized by Karunya deemed University at Coimbatore during 18/09/2023 to 22/09/2023.
13. 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.
14. 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.
15. 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.
16. 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.

17. 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.
18. 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.
19. 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.
20. 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.
21. 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.
22. 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.
23. 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.
24. 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.
25. 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.
26. 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.
27. 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.
28. 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.
29. 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.
30. 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.
31. 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.
32. 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.
33. 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.

34. 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.
35. 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.
36. 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.
37. 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.
38. 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.
39. 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.
40. 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.
41. 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.
42. 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.
43. 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.
44. 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.
45. 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.
46. 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.
47. 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.
48. 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.
49. 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.
50. 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.

51. 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.
52. 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.
53. 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.
54. 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.
55. 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.
56. 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.
57. 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.
58. 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.
59. 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.
60. 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.
61. 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.
62. 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.
63. 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.
64. 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.
65. 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.
66. 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.
67. 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.

68. 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.
69. 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.
70. 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.
71. 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.
72. 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.
73. 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.
74. 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.
75. 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.
76. 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.
77. 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.
78. 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.
79. 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.
80. 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.
81. 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.
82. 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.
83. 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.
84. 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.

85. 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.
86. 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.
87. 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.
88. 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.
89. 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.
90. 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.
91. 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.
92. 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.
93. 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.
94. 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.
95. 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.
96. 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.
97. 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.
98. 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.
99. 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.
- 100 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.
- 101 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.

- 102 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.
- 103 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.
- 104 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.
- 105 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.
- 106 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.
- 107 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.
- 108 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.
- 109 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.
- 110 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.
111. 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.
- 112 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.
- 113 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. **"MRImgEnCA- 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.

Awards Recieved - 1

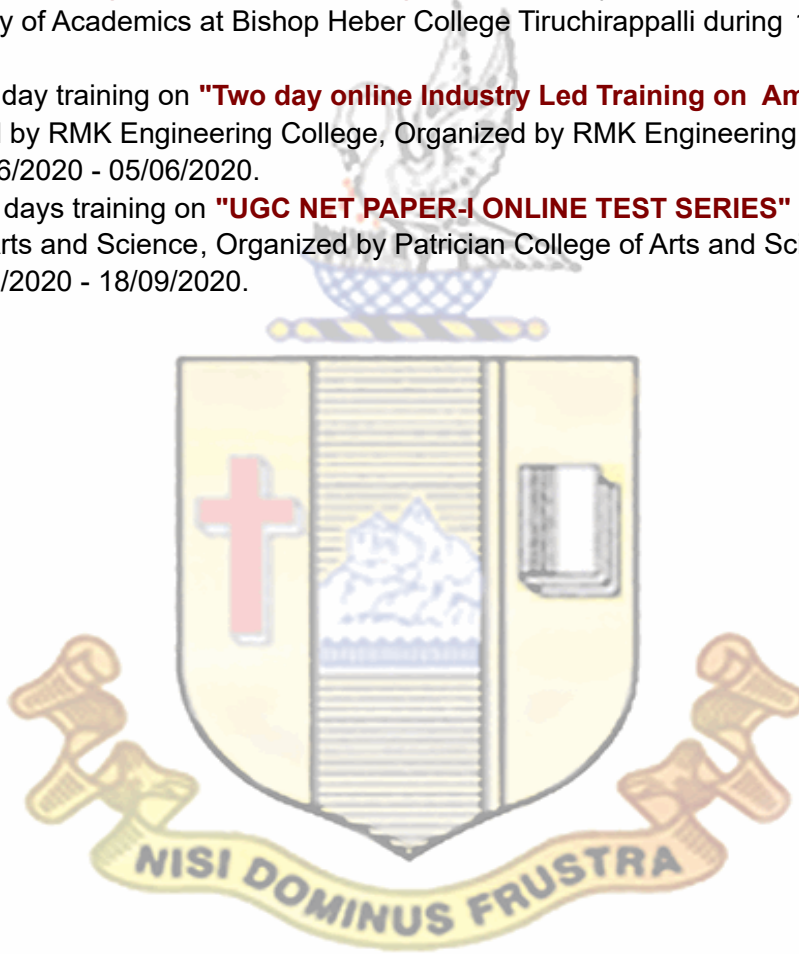
| Award Name | Presented by | Year | Level | Instituted by / Place | amount |
|-----------------------------|----------------------|------------|----------|-----------------------|--------|
| NPTEL DISCIPLINE STAR AWARD | NPTEL - IITM Chennai | 01/04/2024 | NATIONAL | IITM Chennai | — |

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

- 14

1. College level Workshop on **"Smart Solutions Exploring IoT Fundamentals and Challenges with Raspberry Pi Integration"** at Jamal Mohamed College, Trichy-20, 20/09/2024.
2. College level Workshop on **"Problem Solving using Python"** at Jamal Mohamed College, Trichy-20, 27/12/2023.
3. College level Workshop on **"Python with Data science"** at Jamal Mohamed College, Trichy-20, 15/09/2022.
4. National level Seminar on **"Seminar on Internet of Things"** at Sri Amaraavathi College of Arts and Science, Karur-18, 22/10/2021.
5. International level Seminar on **"IOT Centric Smart Systems"** at Rabiammal Ahamed Maideen College for Women, Thiruvarur, 20/09/2021.
6. National level Seminar on **"Internet of Things (IOT) using Arduino"** at Madurai Sivakasi Nadars Pioneer Meenakshi Womens College Poovanthi 630611, 27/08/2020.
7. National level Seminar on **"Current Scenario on IOT"** at Jamal Mohamed College, Trichy-20, 15/06/2020.
8. College level Seminar on **"Concepts of network security"** at Dhanalakshmi Srinivasan College of Arts and Science for Women, Perambalur-621212, 12/06/2020.
9. National level Seminar on **"National Seminar on IOT-2020"** at Jairams Arts and Science College, Karur-639003, 05/03/2020.
10. National level Workshop on **"Research Methodology and its Applications"** at Annai Vailankanni Arts and Science College, Thanjavur-613007, 15/02/2020.
11. College level Seminar on **"Internet of Things"** at Jamal Mohamed College, Trichy-20, 22/03/2019.
12. College level Invited Lectures on **"Awareness in Online Communication Security"** at Sri Saradha college for Women, Perambalur, 02/02/2018.
13. College level Seminar on **"Windows Application"** at Jamal Mohamed College, Trichy-20, 19/02/2015.
14. College level Seminar on **"Network Security"** at Jamal Mohamed College, Trichy-20, 14/03/2014.

PATENT

- 1

| Type | Nature | Patent No. | Status | Month & Year |
|----------|--|------------|---------|--------------------|
| NATIONAL | Smart Device for Brain Tumor Detection | 420418-001 | GRANTED | 6/18/2024 12:00:00 |

Signature of Staff
(SAI GEETHA J)

12/05/2025

2:43:32AM

Report generated by BISHOP HEBER COLLEGE(AUTONOMOUS), Trichy - 17.