Mrs.B.ARPUTHAMARY

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Tiruchirappalli - 17.

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Qualification

Degree	Branch	Institution / University	Year of Passing
Ph.D	Computer Science	Mother Teresa Womens University, Kodaikanal	July 2018
M.Phil	Computer Science	Bharathidasan University	2005
MCA	Computer Applications	Bharathidasan University	2003
B.Sc	Mathematics	Bharathidasan	2000

Cleared NET / SET :	Details	Year of Passing
NET	TN1405205743	DECEMBER 2019

Additional Qualification

Name of Course	Place of Study	Date	Duration
NET		Dec 2019	
Certificate for Completion of Python 3.4.3 Training	IIT, Bombay	April 2020	
Python Programming 2021Full Coverage : A Practical Approach	Udemy	Aug 2021	15 hours
One Week National Level Short Term Course on ICT Tools For Interactive Teaching and Blended Learning	Bishop Heber College, Trichy	August 2021	ONE WEEK
Internet of Things Master Class	Pantech e-Learning Pvt. Ltd, Chennai.	October 2021	30 Days
Python Programming 2021 Full Coverage: A Practical Approach	Online	August 2021	14.5 Hrs
Big Data Computing	NPTEL Online Certification	Aug-Oct 2023	8 Weeks

Work Experience

Name of Institution	Address of Institution	Designation	From	To
Bishop Heber College	Bishop Heber College Puthur, Trichy-17	Assistant Professor	2004	till date
BISHOP HEBER COLLEGE	TRICHY-17	ASSOCIATE PROFESSOR	02-08-2004	TILL DATE

Teaching / Research Experience				
U.G. : 17	P.G. : 15	M.Phil. 10	Ph.D.	

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1

IT Support, BHC.

Research Guidance

U.G. : 100	**P.G. :** 120	**M.Phil. :** 9	**Ph.D. :**

Table of Contents

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

CONFERENCES / WORKSHOPS / SEMINARS ATTENDED   -   41

1. National level Workshop on **"Pandemic and Beyond - The Future Class Room"** sponsored by IBS ICFAI Business School organized by IBS ICFAI Business School at online during 25/09/2021 to 25/09/2021.

2. College level Workshop on **"Workshop On E-Resources: A Boon for the Teaching and Research"** sponsored by PG & Research Department of Library and Information Science and The College Library organized by PG & Research Department of Library and Information Science and The College Library at Bishop Heber College during 26/03/2021 to 27/03/2021.

3. International level Seminar on **"Data Analytics and Applications"** sponsored by Department of Computer Science, BHC organized by Department of Computer Science, BHC at Trichy during 06/12/2020 to 06/12/2020.

4. State level Seminar on **"Online Content Creation Tools"** sponsored by Department of Computer Science, BHC organized by Department of Computer Science, BHC at Trichy during 06/11/2020 to 06/11/2020.

5. National level Seminar on **"Agile Methodology - Practices for Software Development and Testing"** sponsored by PG Department of Information Technology, BHC organized by PG Department of Information Technology, BHC at Trichy during 31/07/2020 to 31/07/2020.

6. International level Seminar on **"Emotional Intelligence"** sponsored by iEagles International Foundation organized by iEagles International Foundation at India during 26/07/2020 to 26/07/2020.

7. National level Seminar on **"Fundamentals of Big Data Analytics with R Programming"** sponsored by PG Department of Computer Applications, BHC & Capztone Innovative Solution, Banglore organized by PG Department of Computer Applications, BHC & Capztone Innovative Solution, Banglore at BHC during 24/07/2020 to 24/07/2020.

8. National level Seminar on **"Information Technology Infrastructure Library(ITIL)- Overview and Key Concepts"** sponsored by PG Department of Computer Applications, BHC organized by PG Department of Computer Applications, BHC at Trichy during 22/07/2020 to 22/07/2020.

9. State level Seminar on **"IoT Applications to Fight Against Covid-19 Pandemic"** sponsored by UG Department of Computer Applications organized by UG Department of Computer Applications at BHC during 17/07/2020 to 17/07/2020.

10. National level Seminar on **"Research Writing Tools and Techniques"** sponsored by PG Department of Computer Applications, BHC organized by PG Department of Computer Applications, BHC at Trichy during 15/07/2020 to 15/07/2020.

11. State level Seminar on **"Predatory Journals - A Growing Threat for Academicians"** sponsored by Department of Computer Science, BHC organized by Department of Computer Science, BHC at Trichy during 04/07/2020 to 04/07/2020.

12. International level Seminar on **"Block Chain and its Use cases"** sponsored by PG Department of Computer Applications, BHC organized by PG Department of Computer Applications, BHC at Trichy during 18/06/2020 to 01/01/1900.

13. International level Conference on **"Data Science"** sponsored by Loyola College organized by Loyola College at Tamil Nadu during 15/06/2020 to 15/06/2020.

14. National level Seminar on **"Customer Relationship Management"** sponsored by Loyola College organized by Loyola College at Tamil Nadu during 15/06/2020 to 15/06/2020.

15. National level Seminar on **"Developing JSF Web Applications with Hibernate- A Hands on Approach"** sponsored by Department of Computer Science, BHC organized by Department of Computer Science, BHC at Trichy during 06/06/2020 to 06/06/2020.

16. International level Seminar on **"Scope and Impact of Artificial Intelligence and Machine Learning"** sponsored by UG Department of Computer Applications organized by UG Department of Computer Applications at Trichy during 05/06/2020 to 05/06/2020.

17. State level Seminar on **"*Exploring Data Analytics Using Spark Platform and Cloud Services using Kubernetes Containers*"** sponsored by Department of Computer Science, BHC organized by Department of Computer Science, BHC at Trichy during 28/05/2020 to 28/05/2020.

18. State level Seminar on **"*Microsoft Azure and Its Services*"** sponsored by PG Department of Information Technology, BHC organized by PG Department of Information Technology, BHC at Trichy during 27/05/2020 to 01/01/1900.

19. College level Seminar on **"*Webinar on Unlocking online Evaluation*"** sponsored by IQAC,BHC organized by IQAC,BHC at Trichy during 22/05/2020 to 22/05/2020.

20. College level Seminar on **"*Webinar on Online Teaching: The New Norm*"** sponsored by IQAC,BHC organized by IQAC,BHC at Trichy during 21/05/2020 to 21/05/2020.

21. National level Seminar on **"*Two Days Webinar on Computing Paradigms*"** sponsored by Yelagiri Hills ACM Chapter and School of Computing and Don Bosco College, Yelagiri Hills organized by Yelagiri Hills ACM Chapter and School of Computing and Don Bosco College, Yelagiri Hills at Yelagiri Hills during 21/05/2020 to 22/05/2020.

22. National level Seminar on **"*Machine Learning Using Python*"** sponsored by PANTECH Solutions organized by PANTECH Solutions at Maharashtra during 09/05/2020 to 09/05/2020.

23. College level Workshop on **"*Open Stack Cloud Computing*"** sponsored by Department of Computer Applications organized by Department of Computer Applications at BHC during 01/09/2018 to 01/09/2018.

24. College level Workshop on **"*Internet of Things*"** sponsored by Department of Computer Applications organized by Department of Computer Applications at BHC during 14/08/2018 to 14/08/2018.

25. College level Workshop on **"*Research Project Preparation for Various Funding Agencies with Special Reference to Women Scientist Scheme*"** sponsored by BHC organized by Department of Computer Applications at BHC during 02/08/2018 to 02/08/2018.

26. State level Workshop on **"*Faculty Empowerment Program*"** sponsored by IQAC organized by IQAC BHC at Bishop Heber College during 14/06/2018 to 14/06/2018.

27. College level Workshop on **"*Angular JS*"** sponsored by Department of Computer Applications organized by Department of Computer Applications at Bishop Heber College during 24/02/2018 to 24/02/2018.

28. College level Workshop on **"*Ecology at Topslip*"** sponsored by Sadhana Women Cell organized by Sadhana Women Cell at Aanaimalai during 10/02/2018 to 11/02/2018.

29. Regional level Seminar on **"*World Class Curriculum design for Computer Science with research aspects*"** sponsored by UGC organized by BDU at BDU during 15/11/2017 to 15/11/2017.

30. College level Workshop on **"*Examinations and Evaluation Reforms*"** sponsored by IQAC organized by IQAC BHC at Bishop Heber College during 10/03/2017 to 10/03/2017.

31. International level Conference on **"*International Conference on Computing Communication and Information Science (ICCCIS'16)*"** sponsored by Bishop Heber COllege organized by Bishop Heber COllege at Trichy during 28/08/2016 to 29/08/2016.

32. International level Conference on **"*International Conference on Advance Computing (ICAC 2015)*"** sponsored by Jamal Mohammed College organized by Jamal Mohammed College at Trichy during 03/12/2015 to 04/12/2015.

33. International level Conference on **"*Second International Conference on Engineering, Technology and Science(ICETS'15)*"** sponsored by Muthayammal Engineering College organized by Muthayammal Engineering College at Namakkal during 03/12/2015 to 04/12/2015.

34. National level -1 on **_"Cloud Computing and Big Data Analytics"_** sponsored by PG Department of Computer Applications organized by PG Department of Computer Applications at Trichy during 23/11/2015 to 24/11/2015.

35. International level Conference on **_"First International Conference on Modeling, Simulation and Control (ICMSC' 15)"_** sponsored by at Karpagam College of Engineering organized by at Karpagam College of Engineering at Coimbatore during 15/10/2015 to 16/10/2015.

36. College level Workshop on **_"Optimizing Research Tools and Techniques"_** sponsored by PG & Research Department of Library and Information Science and Research & Development Cell organized by PG & Research Department of Library and Information Science and Research & Development Cell at Trichy during 22/08/2015 to 22/08/2015.

37. -1 level Workshop on **_"Big Data Analytics and Hadoop"_** sponsored by Karunya University organized by Karunya University at Coimbatore during 18/03/2014 to 19/03/2014.

38. National level Conference on **_"National Conference on Advanced Computing"_** sponsored by PG & Research Department of Computer Science, Jamal Mohammed College organized by PG & Research Department of Computer Science, Jamal Mohammed College at Trichy during 05/03/2014 to 01/01/1900.

39. National level Workshop on **_"Data Warehousing and Cloud Data Integration"_** sponsored by Karunya University organized by Karunya University at Coimbatore during 31/01/2014 to 01/01/1900.

40. International level Conference on **_"The second International Conference on Research Trends in Computer Technologies (ICRTCT-2014)"_** sponsored by the Department of Computer Technology, Dr.N.G.P Arts and Science College organized by the Department of Computer Technology, Dr.N.G.P Arts and Science College at Coimbatore during 30/01/2014 to 01/01/1900.

41. State level Workshop on **_"Research Methodology for Ph.D Scholars"_** sponsored by Mother Teresa Women's University organized by Mother Teresa Women's University at Kodaikanal during 27/08/2013 to 27/08/2013.

1. **"An IoT Based Smart Health Monitoring System for Hostel Students of Bishop Heber College"** in the International conference on *Scientific and Technological Advancements for Reliable and Sustainable - future (STARS-2022)* sponsored by , organized by Bishop Heber College at Tiruchirappalli during 16/11/2022 to 18/11/2022.

2. **"Skew Handling Technique for Scheduling Huge Data Mapper With High End Reducers in MapReduce Programming Model."** in the International conference on *International Conference on Innovative Computing and Cutting-edge Technologies (ICICCT 2019)* sponsored by , organized by Middle East Association of Computer Science and Engineering (MEACSE) at Turkey during 30/10/2019 to 31/10/2019.

3. **"Genetic ARIMA (GARIMA): A Fuzzy Based ARIMA Model for Time Series Forecasting"** in the International conference on *International Conference on Computing Communication and Information Science (ICCCIS'16)* sponsored by , organized by Bishop Heber College at Trichy during 28/08/2016 to 29/08/2016.

4. **"EDSHA: An Efficient Data Skew Handling Approach for MapReduce Model Using Time Series Data"** in the International conference on *International Conference on Computing Communication and Information Science* sponsored by , organized by Bishop Heber College at Trichy during 28/08/2016 to 29/08/2016.

5. **"Big Data Analytics and Cloud Based Big Data Solutions"** in the International conference on *The Second International Conference on Research Trends in Computer Technologies(ICRTCT-2014)* sponsored by , organized by Department of Computer Technology at Dr.N.G.P. Arts and Science College, Coimbatore during 01/01/1900 to 01/01/1900.

6. **"A Review on Big Data Integration"** in the International conference on *Fourth International Conference on Advanced Computing and Communication Technologies for High Performance Computing Applications(ICHPC-2014)* sponsored by , organized by FISAT at Kerala during 01/01/1900 to 01/01/1900.

7. **"Analysis of Prediction Techniques in Time Series for Big Data using R"** in the International conference on *Second International Conference on Engineering, Technology and Science(ICETS'15)* sponsored by , organized by Muthayammal Engineering College at Namakkal during 01/01/1900 to 01/01/1900.

Publication in Journals   -   10

1. **"ARTRDT: A Routing Technique to Reduce Data Transfer Delay in Mobile Ad-hoc Networks"** published in International Journal of Scientific Research in Computer Science Applications and Management Studies (E-JOURNAL) Vol. 7, Issue No. 4, July 2018 **ISSN :** 2319 – 1953.

2. **"PAFHWKM: An Enhanced Parallel Approach to Forecast Time Series Data Using Holt-Winters and K-Means Algorithm"** published in International Journal on Future Revolution in Computer Science & Communication Engineering (IJFRCSCE) (E-JOURNAL) Vol. 03, Issue No. 08, December 2017 **ISSN :** 2454-4248.

3. **"A Pragmatic Study on Time Series Models for Big Data"** published in International Journal of Emerging Research in Management and Technology (IJERMT) (E-JOURNAL) Vol. 6, Issue No. 8, November 2017 **ISSN :** 2278 9359.

4. **"A Survey on Data Skew Mitigating Techniques in Hadoop MapReduce Framework"** published in International Journal of Computer Science and Mobile Computing(IJCMC) (E-JOURNAL) Vol. 5, Issue No. 7, July 2016 **ISSN :** 2320 – 088X.

5. **"Parallel Implementation of Holt Winters Algorithm for Big Data using Map Reduce Programming Model"** published in International Journal of Engineering Research and Technology (IJERT) (E-JOURNAL) Vol. 5, Issue No. 2, January 2016 **ISSN :** 2278-0181.

6. **"Analysis of Prediction Techniques in Time Series for Big Data using R"** published in International Journal of Applied Engineering Research (IJAER) (CONFERENCE PROCEEDING) Vol. , Issue No. , January 1900 **ISSN :** 0973-4562.

7. **"Parallel Prediction Model for Big Data using MapReduce Programming Model"** published in International Journal of Applied Engineering Research (IJAER) (CONFERENCE PROCEEDING) Vol. 10, Issue No. 82, January 1900 **ISSN :** 0973-4562.

8. **"An enhanced Qualitative Framework for Data Integration with multiple data sources using Parallel Processing"** published in MISBAH (Medium of Intellectual Search and Beacon of Academic Harmony) (PEER REVIEW) Vol. 15, Issue No. 15, January 1900 **ISSN :** ---.

9. **"Improved Parallel Time Series Based Algorithm for Big Data using MapReduce Programming Model"** published in International Journal of Applied Engineering Research (IJAER) (CONFERENCE PROCEEDING) Vol. 10, Issue No. 85, January 1900 **ISSN :** 0973-4562.

10. **"Data Integration in Big Data Environment"** published in Bonfring International Journal of Data Mining (E-JOURNAL) Vol. 5, Issue No. 1, January 1900 **ISSN :** 2277 - 5048.

TRAINING PROGRAMME   -   12

- **#** SELECT level Faculty Development Programme on **"Contemporary Cryptographic Solutions for IoT Based Applications"** Sponsored by Ministry of Electronics and Information Technology(MeitY) GoI, Organized by NIT Warangal and School of Computing   SASTRA Deemed University at Thanjavur during 20/08/2021 - 30/08/2021.
- **#** NATIONAL level RDP on **"Research Development Programme for Faculty in Recent Trends"** Sponsored by SRM Institute of Science and Technology, Organized by SRM Institute of Science and Technology at Ramapuram during 09/08/2021 - 13/08/2021.
- **#** NATIONAL level FDP on **"Research Advances in Mathematics and its Applications"** Sponsored by Sathyabama Institute of Science and Technology, Organized by Sathyabama Institute of Science and Technology at Chennai during 02/08/2021 - 14/08/2021.
- **#** NATIONAL level Faculty Development Programme on **"Research Advances in Mathematics and its Applications"** Sponsored by Sathyabama Institute of Science and Technology, Chennai, Organized by Sathyabama Institute of Science and Technology, Chennai at Chennai during 02/08/2021 - 14/08/2021.
- **#** NATIONAL level Online Training on **"Programming with Python"** Sponsored by Internshala Trainings, Organized by Internshala Trainings at Online during 13/01/2021 - 19/02/2021.
- **#** STATE level Faculty Development Programme on **"Novel Tool for Online Teaching"** Sponsored by , Organized by UG Department of Computer Applications at BHC during 25/07/2020 - 25/07/2020.
- **#** NATIONAL level SELECT on **"Hands on FDP: Data Science using Python"** Sponsored by , Organized by Jeppiar Institute of Technology at Sriperumputhur during 18/05/2020 - 22/05/2020.
- **#** NATIONAL level SELECT on **"Current Trends in Software Engineering: DevOps Overview"** Sponsored by , Organized by PG Department of Computer Applications, BHC at Trichy during 13/05/2020 - 01/01/1900.
- **#** NATIONAL level SELECT on **"Current Trends in Software Engineering: Agile and Scrum Overview"** Sponsored by , Organized by PG Department of Computer Applications, BHC at Trichy during 12/05/2020 - 12/05/2020.
- **#** NATIONAL level SELECT on **"Python 3.4.3"** Sponsored by , Organized by Vivekanantha College of Engineering for Women, IIT Bombay at Namakkal during 09/04/2020 - 16/04/2020.
- **#** COLLEGE level Faculty Development Programme on **"One day Faculty Development Programme on Rapid Application Development Using Python""** Sponsored by , Organized by Department Of Information Technology at Bishop, Heber College, Trichy during 22/09/2018 - 22/09/2018.
- **#** INTERNATIONAL level Faculty Development Programme on **"Programming with Python"** Sponsored by , Organized by Internshala at during 01/01/1900 - 01/01/1900.
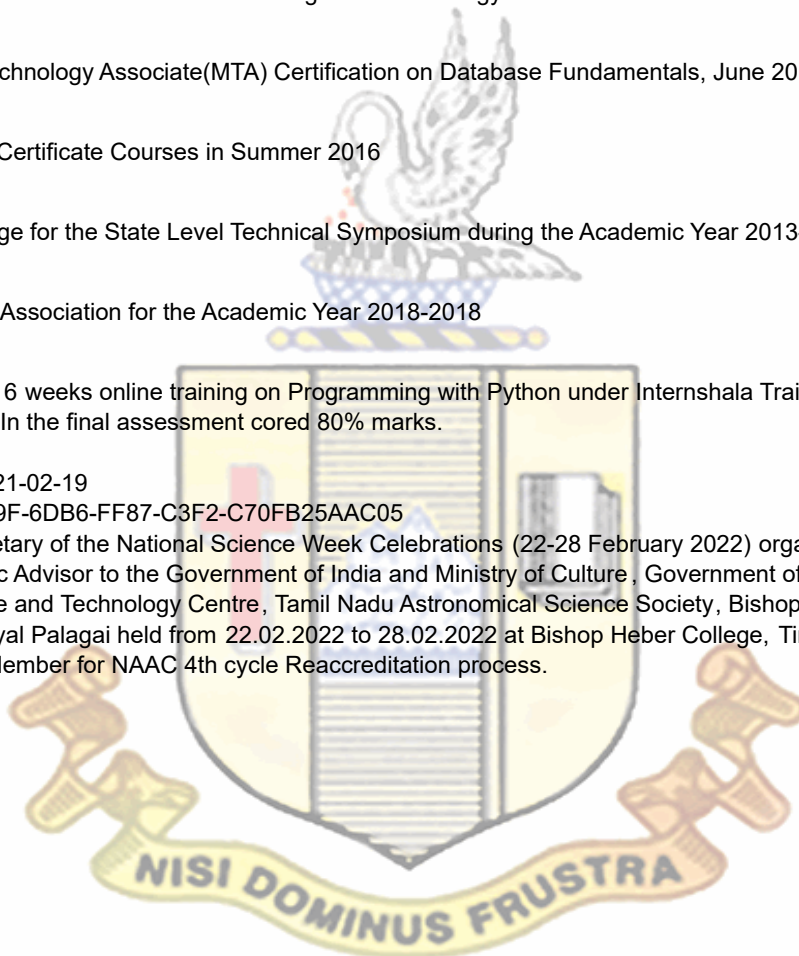

RESOURCE PERSON   -   3

1. College level Invited Lectures on **"Basics of Python Programming"** at Bishop Tharp College, Dharapuram, 16/12/2021.
2. College level Seminar on **"Cloud COmputing"** at Kongu Arts and Science College, Erode, 01/01/1900.
3. College level Seminar on **"Big Data Analytics and Hadoop"** at Aimen College for WOmen, 01/01/1900.

PATENT   -   1

Type	Nature	Patent No.	Status	Month & Year
NATIONAL	An IoT Based Smart Health Monitoring System	202341009399	APPLIED	3/24/2023 12:00:0

Additional Information

@   Completed Certification of Amazon Web Services "Big Data Technology Fundamentals" on 14th Mar 2016

@   Completed Microsoft Technology Associate(MTA) Certification on Database Fundamentals, June 2018

@   Involved in Conducting Certificate Courses in Summer 2016

@   Acted as a Staff In-charge for the State Level Technical Symposium during the Academic Year 2013-2014

@   Staff In-Charge of MCA Association for the Academic Year 2018-2018

@   Successfully completed 6 weeks online training on Programming with Python under Internshala Trainings Faculty Development Program. In the final assessment cored 80% marks.

Date of certification: 2021-02-19
Certificate no.: 4A714B9F-6DB6-FF87-C3F2-C70FB25AAC05

@   Served as a Joint-Secretary of the National Science Week Celebrations (22-28 February 2022) organized by the office of the Principle Scientific Advisor to the Government of India and Ministry of Culture , Government of India in association with Tamil Nadu Science and Technology Centre , Tamil Nadu Astronomical Science Society, Bishop Heber College, Tiruchirappalli and Ariviyal Palagai held from 22.02.2022 to 28.02.2022 at Bishop Heber College, Tiruchirappalli.

@   Served as a Microcell Member for NAAC 4th cycle Reaccreditation process.

Signature of Staff
(B.ARPUTHAMARY)