## Dr. I.PRIYA STELLA MARY.,  MCA, M.Phil., NET, Ph.D.

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## Industrial Experience

1. Worked as **a software engineer** from 2010 to 2012 in Trinay technology Solutions Pvt.Ltd,Trichy.
2. Received "**The best programmer of the year 2011**" award.
3. Awarded several cash prizes for the completion of project with in the stipulated time period.

## Research Experience

1. Research Papers Presented / Published    : **Total number of papers        : 15**
   **International Journals           : 11**
   **International Conferences    : 1**
   **National Conferences          : 3**

2. Specialization                                        : **Data Mining**
   **Internet of Things**

## Educational Details

| Year of Study | Course | Institution | Percentage |
|---|---|---|---|
| **2003 - 2006** | **B.Sc.(Mathematics)** | Holy Cross College (Autonomous), Bharathidasan University, Tiruchirappalli – 620 002. | **90%** |
| **2006 -2009** | **M.C.A** | Holy Cross College (Autonomous), Bharathidasan University, Tiruchirappalli – 620 002. | **87.34%** |
| **2012 -2013** | **M.Phil.** | St. Joseph's College (Autonomous), Bharathidasan University, Tiruchirappalli – 620 002 | **83.5%** |
| **2016-2018** | **Full- Time Ph.D in Computer Science** | St. Joseph's College (Autonomous), Bharathidasan University, Tiruchirappalli – 620 002. | **Commended** |
| **Dec 2018** | | **Qualified in NET Examination** | |

## Acted as a Resource Person

1. Served as a resource person in the "**RDBMS short course**" conducted for MBA(Systems) students at St.Joseph's Institute of Management, Trichy From 11th August 2016 to 12th August 2016
2. Served as a resource person for the Seminar on "**IoT Data Preprocessing And Analytics**" conducted for PG and M.Phil Scholars, St.Joseph's College of Arts and Science, Cuddalore on 17th September 2016.
3. Served as a chairperson for the paper presentation event organized by BCA Association for UG students of Bishop Heber College, Trichy on 4th October 2019.
4. Served as a chairperson for the software debugging event conducted by Computer Science department of Bishop Heber College, Trichy on 11th October 2019.
5. Served as a reviewer at the Third National Conference on "**Computational Intelligence (NCCI 2019)**" organized by the Department of Computer Science (UG), Kristu Jayanti College (Autonomous), Bengaluru on 6th & 7th December 2019.
6. Organized a One Day National Level Workshop on "**Real-Time Application Using Next Generation IoT Technology**" held at Bishop Heber College (Autonomous),Trichy on 14th February 2020.
7. Served as a Co-Convenor for the webinar on "**IoT applications to fight against COVID-19 pandemic**" organized by the UG department of Computer Applications, Bishop Heber College, Trichy on17th July 2020.

## Papers Published and Communicated in National / International Journals

1. I. Priya Stella Mary and Dr. L. Arockiam, "Issues and Challenges hampering the evolution of IoT big data analytics", International Journal of Applied Engineering Research (IJAER), Volume 10, Issue 82, 2015, pp. 247-251, (ISSN: 0973-4562). (Anna Annex II list – 8187) (Scopus)

2. I. Priya Stella Mary and Dr. L. Arockiam, "A Survey on the Metamorphosis of IoT Big Data into Quality Data using Pre-processing Techniques", MISBAH Niche of Knowledge, Volume 15, Issue 15, 2015, pp. 115-123,(ISSN: 0976-2523).

3. I. Priya Stella Mary and Dr. L. Arockiam, "Accentuating the necessity for newfangled IoT missing data imputation technique", International Journal of Circuit Theory and Applications (IJCTA), Volume 9, Issue 27, 2016 (Scopus).

4. I. Priya Stella Mary, A. Jenifer Jothi Mary and Dr. L. Arockiam, " A newfangled IoT big data parallel preprocessing framework to facilitate quality IoT big data analytics", International Journal of Engineering Research & Technology (IJERT), Volume 4, Issue 29, 2016, pp.125-129, (ISSN: 0974-3154).

5. I. Priya Stella Mary, A. SagayaPriya and Dr. L. Arockiam, "A Survey on Noisy Data Elimination Using Clustering Techniques", International Journal of Information Technology & Mechanical Engineering(IJITME), Volume 2, Issue 8, 2016, pp. 11-17, (ISSN: 2349-2865). (IF. 1.972).

6. I. Priya Stella Mary and Dr. L. Arockiam, "Detection of outliers in the IoT data using the STCPOD model ", International Journal of Engineering Research in Computer Science and Engineering (IJERCSE) , Volume 4, Issue 10, 2017, pp.1-6, (ISSN: 2394-2320), (IF. 4.890) (UGC Approved Journal).

7. I. Priya Stella Mary and Dr. L. Arockiam, "Imputing The Missing Values In IoT Using ESTCP Model ", International Journal of Advanced Research in Computer Science (IJARCS), Volume 8, Issue 9, 2017, pp.1-5, (ISSN: 0976-5697), (IF: 3.727) (UGC Approved Journal).

8. I. Priya Stella Mary and Dr. L. Arockiam, "A Robust Architecture for Detecting Outliers in IoT Data using STCPOD Model ", International Journal of Scientific Research in Computer Science, Engineering and Information Technology, Volume 8, Issue 9, 2017, pp.659-664,(ISSN: 2456-3307), (IF: 4.032). (UGC Approved Journal).

9.       I. Priya Stella Mary and Dr. L. Arockiam, "Aro-Pri: A New-Fangled Architecture for IoT Data Pre-Processing", International Journal of Scientific Research in Computer Science Applications and Management Studies (IJSRCSAMS), Volume 8, Issue 3, 2018, pp.1-5,(ISSN: 2319 – 1953), (IF: 0.654). (UGC Approved Journal).

10.      I. Priya Stella Mary and Dr. L. Arockiam, "Aro-Nims: A New-fangled Framework for IoT Data Pre-processing", International Journal of Research in Advent Technology (IJRAT), Volume 6, Issue 5, 2018, pp. 858- 863,(ISSN: 2319 – 1953), (IF: 5.153). (UGC Approved Journal).

11.      Dr.I. Priya Stella Mary, "Imputing the Missing Values in IoT using FRBIM", International Journal of Recent Technology and Engineering (IJRTE), Volume-8 Issue-3, September 2019, pp.3375-3380, (ISSN: 2277-3878)(Scopus indexed journal)

12.      Dr.I. Priya Stella Mary, "Intelligent and Integrated IoT-based Energy Management System (I3EMS) for Beauty Bishop", International Journal of Advanced Science and Technology  (IJAST), Volume-29 Issue-5, 2020,pp.482-487(Scopus indexed journal)

## Papers Published at National and International Conferences Proceedings

1.       SagayaPriya, I. Priya Stella Mary and Dr. L. Arockiam, "Parallel DBSCAN Algorithm for Removing Noise in IoT Big Data", Proceedings of Fifth National Conference on Intelligent Computing (FNCIC), K. S. Rangasamy College of Arts and Science (Autonomous), Tiruchengode, September 2016.

2.       I. Priya Stella Mary and Dr. L. Arockiam, "Imputing the missing data in IoT based on the spatial and temporal correlation", IEEE International Conference on Current Trends in Advanced Computing, March 2017, DOI:{10.1109/ICCTAC.2017.8249990}, pp:1-4.

3.       I. Priya Stella Mary and Dr. L. Arockiam , "An Enhanced Architecture for Imputing Missing Data in IoT Data using FRBIS Model", Proceedings of the National Conference  on Advanced Computing Technologies and Applications(NCACTA), REVA University, Bengaluru, April 2018, (ISBN 978-1-941505-83-0).

## Workshop/Conferences attended

1.   One Day National Workshop on "**How to Write Effective Research Papers for Conferences and Journals"** held in Kongu Engineering College,Perundurai on 12.09.2015.
2.   Workshop on Cloud **Computing & Big Data Analytics** at 'Bishop Heber College ' on November 23rd and 24th in 2015.
3.   National Level Workshop on **"Big Data Analytics And Business Intelligence",**held in St. Joseph`s College,Trichy on 4.1.2016,5.1.2016.
4.   One day state level workshop on "**Data Analytics Through SAS**", held in the Department of Statisctics, St. Joseph`s College,Trichy on 4.8.2016.
5.   "**Ten Days Training Programme on Big Data Analytics**" sponsored by Department of Science and Technology (DST), Big Data Initiatives Division (BDI) held at Bharathiyar University, Coimbatore, from 4.7.2016 to 15.7.2016.
6.   National Conference on "**Emerging Trends in Advanced Computing"** on 27th February 2015 at Dhanalakshmi Srinivasan College of Arts & Science for women, Perambalur.
7.   UGC Sponsored Two Day National Seminar on "**Emerging Trends in ICT-Enabled Teaching Learning Process**", Pavanatma College, Murickassery, Idukki, Kerala.
8.   UGC Sponsored National Seminar on "**Cloud Computing**", MES College, Nedumkandam, Idukki, Kerala.
9.   One Day Workshop on "**Smart Devices Programming using Android**", St. Joseph's College (Autonomous), Tiruchirappalli, TamilNadu.

10. Two Day Workshop on "**Data Analytics using R**" held at PSG college of Technology, Coimbatore, TamilNadu.
11. "**Three Days workshop on Data Science Research**" sponsored by Department of Science and Technology (DST), Government of India held at National Institute of Technology, Tiruchirappalli, from 3.11.2016 to 5.11.2016.
12. "**Three Days workshop on Data Science Research - Biological Data Management**" sponsored by Department of Science and Technology (DST), Government of India held at Jamal Mohamed College, Tiruchirappalli, from 23.1.2017 to 25.1.2017.
13. One Day State level Seminar on "**Innovative Research in Computer Science**" held at Srimad Andavan College, Tiruchirappalli, on 30th January 2017.
14. "**Second World Congress on Computing and Communication Technologies**" held at St. Joseph's College (Autonomous), Tiruchirappalli, TamilNadu, from 2.2.2017 to 4.2.2017.
15. "**One Day National Level workshop on MATLAB – NLWMATLAB'17**" organised by Department of Computer Science, Rathinam College of Arts and Science (Autonomous), Tiruchirappalli, on 17.2.2017.
16. "**International Conference on Current Trends in Advanced Computing**" organised by Department of Computer Science, Kristu Jayanthi College, Bengaluru, Karnataka, from 2.3.2017 to 3.3.2017.
17. "**International Seminar A Research View on Current Trends in Computing**" organised by K.Ramakrishnan College of Technology, Tiruchirappalli, TamilNadu, on 27.3.2017.
18. "**International Conference on Newer Engineering**" organised by K.Ramakrishnan College of Technology, Tiruchirappalli, TamilNadu, from 28.3.2017 to 29.3.2017.
19. National Conference on " **Advanced Computing Technologies and Applications** (NCACTA) organized by School of Computer Science and Applications, REVA UNIVERSITY,Bengaluru on 29.3.2019.
20. "**Faculty Recharging Programme**" organized by Internal Quality Assurance Cell (IQAC) of Bishop Heber College (Autonomous),Trichy on June 12 & 13 2019.
21. International Conference on "**Smart and Innovative Technologies - The future of Digital India**" organised by the Department of Computer Science, Holy Cross College , Trichy from 16.03.2020 to 17.03.2020.
22. A five Day Workshop on "**Professional Communication in English**" organized by Internal Quality Assurance Cell (IQAC) of Bishop Heber College (Autonomous),Trichy from 10th February to 14th February 2020.
23. Webinar on "**Online Teaching : The New Norm**" organized by Internal Quality Assurance Cell (IQAC) of Bishop Heber College (Autonomous) on May 21,2020.
24. Webinar on "**Unlocking Online Evaluation**" organized by Internal Quality Assurance Cell (IQAC) of Bishop Heber College (Autonomous),Trichy on May 22,2020.


## Awards and Achievements

1. Received seed money of rs.50000 for the minor project titled "Intelligent and Integrated IoT based Energy Management System (I3EMS) for Beauty Bishop" from the R & D section of Bishop Heber College on Oct 23, 2019.
2. Received rs.40000 to purchase IoT toolkits to provide better hands-on experience to the participants of One Day National Level Workshop on "**Real-Time Application Using Next Generation IoT Technology**" held at Bishop Heber College (Autonomous),Trichy on 14th February 2020.


## Books Published

3. Co-authored "Research in a Nutshell", Textbook for Research Methodology, Published by Institute for Communication and Technology, Trichy-3.

## Personal Details

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|---|---|
| Name | : Dr. I. Priya Stella Mary |
| Husband Name | : Mr. A.Nirmal |
| Religion | : R.C Christian |
| Date of Birth and Age | : 16-12-1985, 34 Years |
| Residential Address | : 9A, Elango Street, |
| (For Communication) | Sangiliyandapuram |
| | Tiruchirappalli – 620 001 |
| | Tamil Nadu, India |
| Email | : priyastellamary_ds2@mail.sjctni.edu |
| Mobile Number | : 99945 72305 |

## References

**1  Dr. L. Arockiam**
Head I/C, Department of Data Science
St.Joseph's College (Autonomous)
Tiruchirappalli
Tamil Nadu
Pincode - 620 002

**2   Prof. A. Charles**
Associate Professor  & Head, Department of Computer Science
St.Joseph's College (Autonomous)
Tiruchirappalli
Tamil Nadu
Pincode - 620 002

I hereby declare that the details furnished above are true to the best of my knowledge.

Faithfully,

(Dr.I. Priya Stella Mary)