

CURRICULUM VITAE

Dr. L. AROCKIAM, MCA., CSM., BLIS., MPhil., MTech., MBA., Ph.D.,

Ex. Senate Member, Bharathidasan University

Head & Associate Professor

Department of Computer Science

St. Joseph's College (Autonomous)

Tiruchirappalli – 620002



Personal Data

Date of Birth and Age : 01-06-1965, 59 Years

Religion : Roman Catholic

Marital Status : Married

Residential Address : 23, Subbaiah Garden,
Pandamangalam, Woraiyur
Tiruchirappalli – 620 003
Tamil Nadu, India

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Educational Details

Year of Study	Course	Institution
1982 - 1985	B.Sc.	St. Joseph's College, Tiruchirappalli
1985 - 1988	M.C. A	St. Joseph's College, Tiruchirappalli
1988-1989	PGDBA	Annamalai University, Chidambaram
1989- 1991	CSM	Institute of Chartered Computer Professionals of India, Hyderabad
1991 - 1992	BLIS	Annamalai University, Chidambaram
1994- 1996	M. Phil	Regional Engineering College, Tiruchirappalli (Bharathidasan University, Tiruchirappalli)
2006	Ph.D.	St. Joseph's College, Tiruchirappalli (Bharathidasan University, Tiruchirappalli)
2008 - 2010	M. Tech.	Bharathidasan University, Tiruchirappalli
2011 - 2014	MBA	Alagappa University, Karaikudi

❖ **35 years** of experience in **Teaching** and **24 years** of experience in **Research**

1. Research Papers Presented / Published: **Total number of papers: 375**
 - International/National Journals: 249**
 - International / National Conferences: 126**
2. Specialization : **Cloud Computing**
 - Internet of Things**
 - Mobile Cloud Computing**
 - Big Data Analytics**
 - Data Mining**
 - Software Metrics**
 - Web services**
 - Cognitive aspects in programming**
 - Psychology of Programming**
3. Guided **38 M.Phil. Research scholars.**
4. Guided **38 Ph.D. Scholars**, and Guiding **6 Ph.D. Research Scholars.**
5. **Google Scholar Citations- 2204, h – index – 23, i10-index-66.**
6. **Scopus Citations – 388, h-index – 10.**
7. **Research Projects completed – 7**
 - a. **Major Project (DST) – 1**
 - i. Enhancing the Functional and Non-Functional Metrics of Reliability in a Dynamic Web Service Environment
 - b. **Minor Projects (UGC) – 5**
 - i. Developing predictive models to forecast and pre-treat Diabetes mellitus in Tamil Nadu using clinical
 - ii. A Framework to Enhance Security using Authentication, Authorization and Accounting (AAA) Mechanisms in Network Mobility (NEMO) Environment
 - iii. An investigation into the Cognitive Complexity of Component-based System
 - iv. A study on the impact of Emotional Competence on the Comprehension of Object-Oriented Systems for Competitive Advantage
 - v. An investigation into the Cognitive Complexity of Object-oriented Systems
 - c. **St. Joseph’s College Research Grant -1**
 - i. Internet of Things-based Coal Mine Safety Monitoring System
8. **Patents filed – 3**
 - a. **Secured Automated Voice Controller Based on Security Parameters**
 - b. **System to Predict Risk Factor for Diabetes Mellitus Using Internet of Things**
 - c. **IS - Traffic Monitoring: Intelligent Traffic Monitoring Using AI Techniques**

9. **Awards Received – 15**

- **Best Researcher Award Science by Xavier Board, 2023**
- **Best Research Publications in Science, St. Joseph's College(A) (2010-2012)**
- **Best Teacher in College Award, St. Joseph's College (A) (2013-14, 2018-19)**
- **Best Academic Researcher, ASDF, Pondicherry (2012)**
- **Best Paper Published with Good Impact Factor, St. Joseph's College (A) (2017)**
- **Best Paper Award by IJCSEITR, (2017)**
- **College Management Cash Award, St. Joseph's College (A) (2015)**
- **Book Writer Award, St. Joseph's College (A) (2018)**

10. **Invited Talks and Special Lectures delivered at Conference / Workshop /**

Seminar (Overseas and Domestic) – More than **100**.

11. **Seminars / Conferences /Workshops attended – 101**

Other Details:

1. Presented a research paper in the international conference on Software Measurement European Forum (2005) held at **Rome, Italy**.
2. Presented a research paper in the International Conference on Computational Intelligence and Cognitive Informatics (2011) held at **Bali, Indonesia**.
3. Presented a research paper in the International Conference on Intelligent Network and Computing (2014) held at **Sarawak, Malaysia**.
4. Served as **Chairperson and Resource Person** for various National and International Level conferences.

Books / Chapters Published

1. Co-authored a book "**Success through Soft Skills**", a prescribed text book for Bharathidasan University, Tiruchirappalli. ISBN: 9788190949095
2. Co-authored a book "**Research in a Nutshell**", Ed. 2011, published by IFCOT, India
3. Co-authored a book "**Object Oriented Programming with C#.NET**", First Edition 2013, Published in India, ISBN: 978-81-8465-121-8
4. Written a chapter titled "**Software**" in Computer Literacy, 7th Edition, Published by Department of Computer Science, St. Joseph's College (Autonomous) on November 2013.
5. Co-authored a book "**WEKA: A Practical Guide to Beginners**", Ed. 2013, India.
6. **Advanced Engineering Research and Applications** (Chapter - 14) published by Research India Publication, ISBN: 9789386138651, 2017
7. **Statistical Approaches On Multidisciplinary Research** Volume I (Chapter 19) Edit 1, published by surragh , 2017
8. **Research Methodology in a Nutshell** published ACCA Printing Press Edit 1, ISBN 9788192288284, 2017
9. Written a Lecture Notes "**Python For Beginners (Lecture Notes)**", Department of Data Science, St. Joseph's College(A) Tiruchirappalli on August ,2023
10. Written a Lecture Notes "**Python For Intermediates (Lecture Notes)**", Department of Data Science, St. Joseph's College(A) Tiruchirappalli on February, 2024.