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

Senate Member, Bharathidasan University

Associate Professor in Computer Science,

Director of MCA, Head & I/C in Data Science

St. Joseph's College (Autonomous), Trichy – 620002

Personal Data

Date of Birth and Age : 01-06-1965, 56 Years

Religion : Roman Catholic

Marital Status : Married

Residential Address : 23, Subbaiah Garden,

Pandamangalam, Woraiyur

Tiruchirappalli – 620 003

Tamil Nadu, India

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Phone : 0431 – 4226392 (office), 2762202 (Residence),

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

Research Details

❖ **34 years** of experience in **Teaching** and **23 years** of experience in **Research**

1. Research Papers Presented / Published :   **Total number of papers: 365**

    International/National Journals: 245

    International / National Conferences: 120

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 **27 Ph.D. Scholars,** and Guiding **8 Ph.D. Research Scholars**.

5. **Google Scholar** Citations**- 1708, h – index – 19, i10-index-50.**

6. **Scopus** Citations **– 266, h-index – 9.**

7. **Research Projects completed – 6**

    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

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 – **12**

    - **Best Research Publications in Science (for 3 years)**
    - **Best Teacher in College Award (for 4 years)**
    - **Best Academic Researcher**
    - **Best Paper Published with Good Impact Factor**
    - **Best Paper**
    - **College Management Cash Award**
    - **Book Writer**

10. Invited **Talks and Special Lectures delivered at Conference / Workshop / Seminar** (Overseas and Domestic) – **100.**

11. **Seminars / Conferences /Workshops attended – 21**

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