Curriculum Vitae

Title	Ms.	First Name	Arokia Ramya	Last Name	Terrance	
Designation	**Assistant Professor**					
Department	**Computer Science**					
Institutional Email Address	**aterrance@jmc.du.ac.in**					

EDUCATION

Degree	Institution	Year	Details
M.E.	**Madras Institute of Technology, Anna University**	**2005**	**1st Class with Distinction**
B.E.	**Mepco Schlenk Engineering College, Madurai Kamaraj University**	**2002**	**1st Class with Distinction**

CAREER PROFILE

Organisation / Institution	Designation	Duration	Role
Jesus and Mary College	**Assistant Professor**	**24th January 2024 till date**	**Teacher**
Kalindi College	**Assistant Professor (Ad-hoc)**	**27th July 2016 to 22nd January 2024**	**Teacher**
Infosys Technologies Limited	**Software Engineer**	**13th June 2005 to 19th June 2009**	**Software Developer**

AREA OF INTEREST : Data Mining

TEACHING EXPERIENCE (Subjects/Courses taught)

I. Programming with Python - Generic Computer Science 1st Semester

II. Programming Fundamentals using Python - BA(P) Computer Application 1st Semester

III. Data Analysis and Visualization using Python – Generic Computer Science 2nd Semester

IV. Data Interpretation and Visualization using Python – BA(P) Computer Application 2nd Semester

V. Machine Learning - BA(P) Computer Application 5th Semester

HONORS & AWARDS

      I.   Qualified UGC-CSIR NET in Computer Science and Applications in 2015
      II.   Prestigious Spot Award for the valuable contribution to the Infosys NSS project team in 2006
      III.   Have additionally qualified for GATE in Computer Science in 2003

PUBLICATION DETAILS

Books: Author of the Book Chapter titled "Off-Page SEO" and "Technical SEO" in the "An SEO Guide for Start-ups" Book published by Nova Publishers on 30th August 2023.

Journal Articles:

1. Author of the paper titled "Competitive Analysis of Retail Websites through Search Engine Marketing", Ingenieria Solidaria, (In Press) and Vol. 14, No. 25[Special Issue] , pp. 14, May 2018.

2. Author of the paper titled "Search Engine Optimization – A Critical Element in Digital Marketing" in Kalindi College Yearly Academic Journal in 2017.

3. Author of the paper titled "Software Design of CDMA Based MAC Scheme for Microsatellite" in IETE Journal of Research, Vol 52, Issue 2-3, March-June 2006.

Papers presented in Seminars/conferences:

1. Presented paper titled "In-depth Analysis of the Performance of RSA and ECC in Digital Signature Application" in the UGC-sponsored National Conference on Emerging Trends in Information Technology, Kalindi College in 1-2 August 2019.

2. Presented paper titled "Importance of Search Engine Marketing in the Digital World" at the International Conference on Information Technology and Knowledge Management, Shaheed Sukhdev College of Business Studies in 22-23 December 2017.

3. Presented paper in the DST-sponsored National Seminar on "A paradigm shift towards Empowerment of Women" organized by Science Departments, Kalindi College in 3-4 February 2017.

4. Presented paper titled "Software Design of CDMA Based MAC Schedule for Microsatellite" at National Conference on Signals, Systems and Communication, in May 2005.

National Workshops and Seminars Organised:

- **Organised FDP on "Moving Towards New Normal with Effective Online Teaching" from 1st December to 7th December 2020 and "MOOCs, E-content development, Research Methodology and Statistical tools in Open Education World" from 3rd August to 17th August 2021 under Pandit Madan Mohan Malaviya National Mission On Teachers & Teaching (PMMMNMTT).**
- **Organised the Skill Development Workshop on LaTeX and Statistical Techniques by the Department of Computer Science and Mathematics of the Kalindi College from 24th October to 25th October 2016**

Talks/Lectures:

- **Participated in the talk on "Deep Learning and Speech Technology" in the International Conference on Artificial Intelligence and Speech Technology organized by IGDTUW, Delhi from 14th to 15th November 2019.**
- **Participated in the National Seminar on "Cyber Security Issues, Challenges & Remedies" organized by National Power Training Institute, Delhi on 14th March 2019.**
- **Participated in 1-week FDP on "Network Science: Foundation of Social Network Analysis" organized by Teaching Learning Centre, Ramanujan College in collaboration with Department of Computer Science, University of Delhi from 3rd December to 8th December 2018.**
- **Participated in 1-week FDP on "Data Science and Big Data Analytics" organized by ICT Academy in Deen Dayal Upadhyaya College from 6th March to 10th March 2018.**
- **Participated 1-week UGC-sponsored National Workshop on "A trend towards Machine Learning: Techniques and Applications" organized by Deen Dayal Upadhyaya College from 26th December 2017 to 1st January 2018.**

Participation as Resource Person:

- **Participated as Resource person of the FDP on "Trending Technologies in Computer Science" organized by the Department of Computer Science, Dr. MGR Education and Research Institute from 18th October 2022 to 22nd October 2022.**
- **Participated as Resource person for the Value Added Course on "Basic Computer and IT Skills" organized by Department of Computer Science, Kalindi College in collaboration with CETPA Infotech Pvt. Ltd., Noida from 27th January 2022 to 16th February 2022.**

OTHER DETAILS

Preparation of Teaching Material: PPT and Quiz uploaded in the Google Classroom

Research Projects:

- Worked as Principal Investigator for the research project titled "Study of Scientific Implementation in Python" under the Kalindi College Research Grant for the duration 2021-2022
- Worked as Principal Investigator for the research project titled "Applications of Data Analytics in Education" under the Kalindi College Research Grant for the duration 2019-2020
- Worked as Principal Investigator for the research project titled "Online Transaction Security Issues in MANET" under the Kalindi College Research Grant for the duration 2018-2019
- Participated in Code Walkthrough session of the Software design of ANUSAT microsatellite which was funded by ISRO and published the paper in the IETE Journal of Research

Membership in Professional Bodies: Member of the Computer Society of India

Orientation and Refresher Courses:

Participated 1-month Orientation Programme for "Faculty in Universities/ Colleges/ Institutions of Higher Education" under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) scheme of Ministry of Education from 21st February 2024 to 19th March 2024 organized by Teaching Learning Centre, Ramanujan College, University of Delhi.