

## Profile

Faculty Name: Dr. Maheswari P

Photo



Designation	:	Assistant Professor
Nature of Employment	:	Regular
Qualification	:	MCA., M.Phil., SET, Ph.D
Phone	:	9080147779
Email	:	maheswari@crescent.education

## Teaching

### Educational Background

Degree	Discipline	Year of Passing	University
B.Sc	Statistics	2002	Madras University
MCA	Computer Application	2005	Anna University
M.Phil	Computer Science	2013	B.S Abdur Rahman University
SET	Computer Science	2016	Mother Teresa University
P.hD	Computer Science	2020	B.S Abdur Rahman Crescent Institute of Science and Technology

## Work Experience

Designation	Institution	Duration	No. of Years
Assistant Professor	B.S Abdur Rahman Crescent Institute of Science and Technology	23 <sup>rd</sup> March 2022 – till date	03 Years 9 months
Assistant Professor	C S I Ewart Women's Christian College	24 <sup>th</sup> August 2012 – 21 <sup>st</sup> March 2022	9 Years 7 Months
Lecturer	Prof. Dhanapalan College for Women	7 <sup>th</sup> February 2011 – 30 <sup>th</sup> June 2011	5 Months
Lecturer	S.D.N.B Vaishnav College for Women	20 <sup>th</sup> May 2005 – 1 <sup>st</sup> June 2006	01Year

## Research

### Area of Research Interest

- Data mining
- Machine Learning
- Data Science
- Predictive Analysis
- NLP
- Artificial Intelligence
- Deep Learning

## Lecture Courses Delivered

- Programming in Java
- Cloud Computing
- Full stack development
- Machine Learning
- Software Project Management
- Design and Analysis of Algorithms
- Management Information System
- Data structure and Algorithms

- Web Technologies
- Programming in C and C++
- Computer Application in Business Organization
- Internet of Things
- Python Programming

## Publications

### International Journal / National Journal/International Conferences / National Conferences/Seminars / Workshops

#### Publications in Web of Science/Scopus Indexed Journals

- Maheswari Petchiappan and Jaya Aravindhren, "Comparative Study of Machine Learning Algorithms towards Predictive Analytics", Recent Advances in Computer Science and Communications, Volume 16, Issue 6, 2023, 69-79, Published on 17th October 2022, <http://dx.doi.org/10.2174/2666255816666220623160821>, Article ID: e230622206361 (Scopus).
- Maheswari P and Jaya A, "Analyzing Tweets for Predicting The Sentiments Of Investors In The Stock Markets.", China Petroleum Processing and Petrochemical Technology, Catalyst Research Volume 23, Issue 2, July 2023 Pp. 58- 72. (Web of Science).

#### Book Chapters

- ★ "Machine Learning Approach For Cloud Data Analytics In IOT" Chapter titled "Prediction of Stock Market Using Machine Learning – Based Data Analytics" 13<sup>th</sup> July 2021 ISBN: 9781119785804, Wiley Group. DOI: [10.1002/9781119785873.ch14](https://doi.org/10.1002/9781119785873.ch14)
- ★ " A Handbook on Intelligent HealthCare Analytics: Knowledge Engineering with Big Data" Chapter 6 titled " Business Intelligence and Analytics from Big Data", on 6<sup>th</sup> May 2022, published by Scrivener Publishing, Wiley Group. <https://doi.org/10.1002/9781119792550.ch6>.

#### Book

- "Python Coding Instructor for Beginners" Jayalakshmi V, Maheswari P and Sriram N, notion press ISBN : 9781639407330.

#### International Journal

- Maheswari and A.Jaya, "An Integrated Approach towards Prediction of Stock Values for Short Term", IFRSA's International Journal Of Computing|Vol2|issue 3|July 2012 645-651.

## **International/National Conference**

### **International Conference:**

- ★ Maheswari. P, A.Jaya, titled , “Prediction of Stock Values in Health Care Sectors” In the proceedings of 45TH INDIAN SOCIAL SCIENCE CONGRESS (ISSC), Organized by ISSA and B.S.Abdur Rahman Crescent Institute of Science and Technology between 28th march and 4th April 2022.
- ★ P Maheswari and A. Jaya, “Organising and retrieving of scientific articles using ontology “, in the proceedings of “21st International conference on computer science and information technology (ICCIT 2016) and published the paper in International Journal of current Engineering and scientific Research(IJCESR) ISSN(print):2993-0697 volume-3 Issue-8,2016.
- ★ P.Maheswari and Dr.A.Jaya ,“Sentiment Based Approach towards Prediction of Stock Values For Long and Short Term”, In the proceedings of International Conference On Computational Intelligence And Communication(ICCIC 2012),pp 17-21,July 2012.

### **National Conference:**

- ✓ “Intrusion Detection to Secure Networks Using Machine learning and Data Mining - Review”,In the Proceedings National Conference on RTC SM, April 2019.
- ✓ “Organizing And Collecting the Research Articles Using Web Mining Techniques and Mind Mapping” In the proceedings National Conference on Recent Trends in Web Technologies, October 2013. In the International Journal of Research in Advance Technology in Engineering (IJRATE) journal in their special issue for October 2013, Volume 1.
- ✓ P.Maheswari and .A.Jaya , “An Integrated Approach towards Prediction of Stock Values For Long and Short Term” In the proceedings of 3rd National Conference on Futuristic and Advanced Computing Technologies, March 2012.

### **Major FDP / Workshop / Seminar Attended**

- ✓ Intellectual Property Rights
- ✓ Prospective Areas of Research in Computer Science
- ✓ 360° of Teaching Excellence: Reinventing Teaching for Gen Next.
- ✓ Cloud based Machine Learning algorithms for Data Mining.
- ✓ Women’s Rights are Human Rights
- ✓ Quality Assurance in Academic and Sponsored Research
- ✓ Google Applications and Android Programming.
- ✓ Statistical Analysis using SPSS Package.

- ✓ International workshop in Advances in Data and Web Mining.
- ✓ Application of MATLAB and LABVIEW for Biomedical Applications

### **Faculty Development Programme and Seminar Attended**

- ✓ Faculty Development Programme on “Securities Market”.
- ✓ Faculty Development Programme on “Predictive Modelling using R”.
- ✓ Seminar on “Role of AI and IOT for Health Care”.

### **International Conference and Seminar Organized:**

- Two-day International conference on “Pathways to success in a Global Market place” held on the 18<sup>th</sup> and 19<sup>th</sup> July 2019.
- Seminar on “Big Data Analytics” 7<sup>th</sup> February 2020.
- Seminar on “Recent Trends in Information Technology” 2<sup>nd</sup> March 2016.

### **Certification Course**

- ✓ Quality Assurance through NAAC Accreditation Process Swayam NITTTR July -Sep 2021.
- ✓ NPTEL – “Python for Data Science” Aug-Sep 2019.

### **Additional Responsibilities**

- NPTEL Local Chapter from 2021 to 2022.
- Liaison Officer 2018 to 2022
- Nodal officer for Online Certificate Course 2021 to 2022
- Nodal officers for conducting University Theory Examinations. 2020-21.
- Experience as an Assistant to the Chief Superintendent for conducting examinations, the University Madras (Regular) and the Institute of Distance Education.
- Experience as an External and Internal examiner for conducting University Practical examinations. 2012 -2022
- Involved in managing all the union, cultural, IQAC and academic activities like department magazines, department timetable, examination schedule, guiding student’s projects, recommending the books and journal for the library, organizing guest lectures, seminars, workshops etc.,
- Involved in various confidential work in the examination, responding to emails from the Regional Joint Director, University of Madras sent to the college.
- Assisted with the scholarship, AISHE 2012 -2014.
- Involved in Stock audit
- Member of Internal Complaints Committee 2013 – 2022.