

Mrs. P. Saraswathi, B.E, M.Tech.

Assistant Professor-III, Department of Information Technology,

Velammal College of Engineering and Technology, Madurai

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Blog Address: <http://asaraswathi.blogspot.com/>**Educational Qualification**

Course	Name of the Institution	University/ Board	Year of Passing	CGPA or %
M.Tech (CSE)	Kalasalingam University, Krishnankovil.	Kalasalingam University	2010-2012	8.74 CGPA (First Class with Distinction)
B.E (CSE)	Arulmigu Kalasalingam College of Engineering, Krishnankovil.	Anna University, Chennai.	2006-2010	84% (First Class with Distinction)
HSC	Parasakthi Higher Secondary School, S.Kottaipatti.	State Board	2006	84.75%
SSLC	Parasakthi Higher Secondary School, S.Kottaipatti.	State Board	2004	93.20%

Experience in Years: 9 Years**Employment History**

- **Name of the Institution:** Velammal College of Engineering and Technology, Madurai
 - **Designation:** Assistant Professor-III
 - **Period:** 03.06.2013 to till
 - **Course Handled:**
 1. Problem Solving and Python Programming
 2. Programming in 'C'
 3. Computer Programming
 4. Database Management Systems
 5. Compiler Design
 6. Data Warehousing and Data Mining
 7. Software Project Management
 8. Design and Analysis of Algorithms
 9. Theoretical Foundations of Computer Science
 10. Mobile and Pervasive Computing
 11. Software Engineering and Quality Assurance

12. Mobile Communication

○ **Lab Courses Handled:**

1. Problem Solving and Python Programming Lab
2. Computer Programming Lab
3. Database Management Systems Lab
4. Compiler Lab
5. Data Mining Lab
6. Computer Practices Lab
7. Network Lab
8. Network Design Lab
9. Programming and Data Structures Lab
10. Advanced Database Lab
11. Software Engineering Lab

○ **Responsibilities:**

1. Website Coordinator
2. Admission Coordinator
3. Class Incharge for UG 2019-2023 Batch, 2016-2020 Batch(3 Years) and PG 2013-2015 Batch.
4. Discipline Coordinator
5. Time Table Incharge and Assist
6. Cultural Coordinator
7. IT Lab – Incharge
8. Placement - Assist
9. ISRO Registration Team
10. NBA – Criterion 8 Incharge
11. NAAC – Criterion 2 Incharge
12. ICP Coordinator
13. Communication Skill Coordinator

➤ **Name of the Institution:** SAMS College of Engineering and Technology, Panappakam, Chennai

○ **Designation:** Assistant Professor/CSE

○ **Period:** 26.07.2012 to 17.05.2013

○ **Course Handled:**

1. Computer Programming
2. Compiler Design
3. Database Management Systems
4. Theory of Computation

- **Lab Courses Handled:**
 1. Computer Practices Lab
 2. Compiler Lab
 3. DBMS Lab
 4. Visual Programming Lab
- **Responsibilities:**
 1. Time Table Coordinator
 2. Internal Course File Auditor
 3. Class Incharge
 4. Cultural Coordinator
- **Name of the Institution:** Kalasalingam University, Krishnankovil.
 - **Designation:** Teaching Assistant
 - **Period:** 02.01.2012 to 25.04.2012
 - **Course Handled:**

Computer Programming
 - **Lab Courses Handled:**

Computer Practices Lab

Interested Research Areas

- Machine Learning
- Data Mining
- Internet of Things

Scholarships and Awards received

- **Secured 9.2 Level** in STEP Plus-Global Online English Standard Test organized by Hindu Group on November 23, 2017.
- Recognized as “**Teaching Assistant**” while doing my Post Graduate Degree in Kalasalingam University.
- Awarded “**Silver Medal**” for II Rank in M.Tech.
- Secured “**IV Rank**” in B.E

Consultancy Project

1. Developed and Maintaining “**College Website**” for Velammal College of Engineering and Technology from May 2021 onwards.
2. Maintained “**College Website**” for Velammal College of Engineering and Technology from June 2018 to April 2021.

Online Certification Details

- Got NPTEL Online Certification for successfully completing the course on “Programming, Data Structures and Algorithms using Python” with a consolidated score organized by IIT, Madras during January 2018 to April 2018.

Publications Details

1. Patent Journal Publication Details: Nil

2. International Journal Publication Details:

1. Published a paper titled on “**Visual Similarity Based Interactive Product Recommendation System**” in Int. Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056, Volume: 08, Issue: 07, July-2021.
2. Published a paper titled on “**Machine Learning based Brain Tumor Prediction using Decision Tree Algorithm**” in International Research Journal of Engineering and Technology (IRJET), Volume 07, Issue 04, April 2020.
3. Published a paper titled on “**Control System for Aquarium Maintenance**” in International Research Journal of Engineering and Technology (IRJET), Volume 07, Issue 03, March 2020.
4. Published a paper titled on “**Automatic Risk Prediction in Health Examination Records using Mining**” in Int. J. of Engineering Research & Technology (IJERT), ISSN: 2278-0181 and NCIECC-2017 Conf. Proc., Volume-5, Issue-9, March-2017
5. Published a paper titled on “**GSM Based Smart Surveillance System Using CCTV**” in International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE), ISSN: 2277 128X, Volume-6, Issue-6, June-2016.
6. Published a paper titled on “**Distance based Accident Avoidance System using Arduino**” in International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056, p-ISSN: 2395-0072, Volume-2, Issue-7, October-2015.
7. Published a paper titled on “**A Novel Approach for Automatic Monitoring of Power Consumption using Smart Meter**” in International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056, p-ISSN: 2395-0072, Volume-2, Issue-1, April-2015.
8. Published a paper titled on “**Multi-objective Evolutionary Algorithm for Routing in Wireless Mesh Networks**” in International Journal of Soft Computing and Engineering (IJSCE), ISSN: 2231-2307, Volume-4, Issue-3, July 2014.

3. International Conference Presentation Details:

1. Presented a paper titled on “**Digital Agriculture with Fertilizer Monitoring and Moisture Sensing based on IoT**” in Int. Conf. on Power and Energy Systems-ICPES’17 by VCET (EEE), Madurai on 21.04.2017 and 22.04.2017

4. National Conference Presentation Details:

1. Presented a paper titled, “**Automatic Risk Prediction in Health Examination Records using Mining**” in National Conference on Innovations In Electronics,

Communication And Computing – NCIECC’17 by VCET (ECE), Madurai on 31.03.2017.

2. Presented a paper titled on “**Multi-objective Evolutionary Algorithm for Routing in Wireless Mesh Networks**” in National Conference on Emerging Trends in Computing Sciences and Bio-Informatics which was conducted on 30th March 2012.

5. Book Publication Details:

- Published a book titled “**Computer Programming Laboratory Manual**” in Lambert Academic Publishing, Germany. ISBN-13: 978-3-330-06280-1 on 27.03.2017

6. Google Scholar report:

P. Saraswathi
Assistant Professor, Velammal College of Engineering and Technology
Verified email at vcet.ac.in - Home page
Machine Learning and Data...

TITLE	CITED BY	YEAR
Distance based accident avoidance system using Arduino M. Prabha, M. Seema, P. Saraswathi International Research Journal of Engineering and Technology (IRJET) 2 (07) ...	8	2015
A Novel Approach for Automatic Monitoring of Power Consumption using Smart Meter P. Saraswathi, M. Prabha	1	2015
Multi-Objective Evolutionary Algorithm for Routing in Wireless Mesh Networks P. Saraswathi, M. Prabha International Journal of Soft Computing and Engineering 4, 38-41	1	2014
Visual Similarity Based Interactive Product Recommendation System P. Saraswathi International Research Journal of Engineering and Technology (IRJET) 9 (04)		2021
Machine Learning based Brain Tumor Prediction using Decision Tree Algorithm P. Saraswathi International Research Journal of Engineering and Technology (IRJET) 7 (04)		2020
Control System for Aquarium Maintenance P. Saraswathi International Research Journal of Engineering and Technology (IRJET) 7 (03)		2020
Digital Agriculture with Fertilizer Monitoring and Moisture Sensing based on IoT P. Saraswathi		2017

Cited by

	All	Since 2016
Citations	10	10
h-index	1	1
i10-index	0	0

Co-authors

- M. Prabha
- M. Seema
Assistant Professor, Velammal C...

Additional Information:

Programs Organized:

1. Organized Two days' workshop on “**Internet of Things**” for 2018 batch students on 23.12.2019 and 24.12.2019 at VCET, Madurai.
2. Organized “**Interdepartmental Coding and Debugging**” contest on 24.07.2019 at VCET, Madurai.
3. Organized “**Dazzling Coding**” (GENNEXT’19) on 20.08.2019 at VCET, Madurai.
4. Organized “**Interdepartmental Paper Presentation Contest**” on 18.09.2018 at VCET, Madurai.
5. Organized “**Interdepartmental Coding and Debugging**” contest on 25.07.2018 at VCET, Madurai.

6. Organized Two days' workshop on **“Arduino”** for First Year IT Students on 22.03.2018 and 23.03.2018 at VCET, Madurai.
7. Provided VAC on **“Arduino”** to Second Year IT Students from 04.07.2017 to 30.08.2017 (15 Hours) at VCET, Madurai.
8. Provided Guest Lecture on **“Compiler Design”** to Third Year Students on 16.03.2017 at VCET, Madurai.

Programs Attended:

➤ **Faculty Development Program (FDP)**

1. Attended one week Online FDP on **“Selenium Automation Testing for Corporate Level Test Environment”** organized by Kongunadu College of Engineering and Technology during June 02-06, 2020.
2. Attended two days FDP on **“Python Programming”** conducted by Anna University, Chennai held at Velammal College of Engineering and Technology, Madurai from 18.08.2017 to 19.08.2017.
3. Attended two days FDP on **“C# and ADO.NET Programming”** conducted by ICT Academy held at Velammal College of Engineering and Technology, Madurai from 26.12.2016 to 27.12.2016.
4. Attended one week FDP on **“IT6503-Web Programming”** held at National Engineering College, Kovilpatti from 05.06.2016 to 12.06.2016.
5. Attended one week FDP on **“Cloud Infrastructure and Services”** held at KLN College of Engineering, Sivagangai from 28.07.2014 to 01.08.2014.
6. Attended one week FDP on **“CS2303 – Theory of Computation”** held at SIT, Madurai from 12.06.2014 to 18.06.2014.

➤ **Workshop**

1. Attended one week Indian Council of Medical Research Sponsored National Workshop on **“Exploring the impact of Data Analytics in Healthcare EIDAH'16”** at K.L.N College of Information Technology, Pottapalaiayam 07.11.2016 to 11.11.2016
2. Attended one day workshop on **“Teaching Methodologies”** held at VCET, Madurai on 09.07.2013.

➤ **Webinar**

1. **“Arduino using Proteus”** organized by Sreenidhi Institute of Science and Technology on 01.06.2020

2. **“Big Data and Data Science”** organized by Dr.MGR Educational and Research Institute on 31.05.2020.
3. **“Deep Learning with Neural Networks”** organized by Sivajirao Kadam Institute of Technology and Management on 30.05.2020.
4. **“Building an IoT Cloud for Healthcare Applications”** organized by Anna Adarsha College for Women – on 30.05.2020.
5. **“E-Vehicle Design using MATLAB”** organized by VNR Vignana Jyothi Institute of Engineering and Technology on 29.05.2020.
6. **“Artificial Intelligence for Employee Attribution”** organized by Adhiyamaan College of Engineering on 29.05.2020.
7. **“Renewable Energy Sources using MATLAB”** organized by Methodist College of Engineering and Technology on 28.05.2020.
8. **“Building Deep Learning applications for Big Data”** organized by Kings Engineering College, Chennai – on 28.05.2020.
9. **“Data Science and its Applications”** organized by Meenakshi College of Engineering on 27.05.2020.
10. **“Industry 4.0 Opportunities and Challenges”** organized by ECE in association with ISTE and IIC of Ramco Institute of Technology on 27.05.2020.