

Sri Sairam Engineering College
Department of Information Technology

Name :	M.Vaithyanathan 
Designation:	Associate Professor
Qualification :	MCA, MBA ,M.Tech, (Ph.D)
Area of Specialization :	Computer Science and Engineering
Experience :	Teaching : 8 yrs
	Industry : - 1.9 yrs
No. of workshop / Conferences / FDP attended :	FDP : 33 National Conference: 1 International Conference: 1
Publication :	Journal National : - Nil International : - 6 Conference National : International :
Membership:	IEEE,ISTE
Achievements:	Got excellent appreciation from the management for the skill set Got Attendance Achiever Award. Got Excellent Feedback from Students in the subject Python Programming with LAB 97.50% (2023-2024 Even) & Problem Solving and Programming in C 98.40%. (2023-2024 Odd) , Problem Solving and Programming in C 91% (2024-2025 Odd) ,OOPS Using Java Laboratory with Theory 91.80% (2024-2025 Even) , Database Management System with Laboratory (2024-2025 Even), 94%

Professional Experience:

Name of the company/ institute	Designation	Duration	Years of experience	Areas of exposure /domain
Photon InfoTech Private Ltd. Chennai	Trainee - Developer	Nov 2007 – Feb 2009	1.3 Years	PHP, DRUPAL, SQL
Sri Sairam Engineering College, Chennai	System Programmer	AUG 2009 – Dec 2018	9 Years	Placement Activities
Sri Sairam Engineering College, Chennai	Assistant Professor	Jan 2018 to Till date	8 Years	C, JAVA, PYTHON, DBMS, Data Analytics

National and International Conference:

- M.Vaithyanathan attended 2015 International Conference on Computing and Communications Technologies (ICCCT15) held between 26-02-2015 and 27-02-2015 at Sri Sairam Engineering College, Chennai.
- M.Vaithyanathan attended 2013 International Conference on Web Technology (NCWT'13) held on 06-02-2013 at Sri Sairam Engineering College.

Patent

- SMART FARM MACHINE USING IOT- MOBILE APPLICATIONS
APPLICATION NUMBER 202241070695
- THERAPY MONITORING DEVICE FOR DIABETIC PATIENTS, Design application number: 6391355 - UK Design Application
- Self-Healing Distributed Computing Architecture for Fault –Tolerant Applications , Application Number : 202541091569
- AR/VR Based Virtual Campus Tour Application - Design number: 6499921

Paper Publications and Scopus Details

- Preserving Data Integrity and Security in IoT-Enabled Wireless Sensor Networks: Employing an Intrusion Detection System -**979-8-3503-7700-2/24 - IEEE**
- Intelligent Dine: Advanced Food Identification and Caloric Assessment through Deep Learning for Smart Diet Tracking - **979-8-3503-8427-7/24 – IEEE**
- ESP-8266-based Indoor Localization System – **978-8-3503-9458-0/23 – IEEE**
- Smart Navigation Device for Blind People using Image Processing -**ISSN: 1001-4055**

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- Enhanced Approach to Study the Neural Stem Cell Migration through Image Processing using Deep Learning - **10.1109/ICPECTS62210.2024.10780213 - IEEE**
- Application of Novel Machine Learning Methods in the Analysis of Safety and Efficiency of Stem Cell Treatment - **10.1109/ICPECTS62210.2024.10780006 - IEEE**

SDP, WORKSHOP, Webinar		
Name of the Programme	Organized by	Date
Inculcating Universal Human Values in Technical Education	All India Council for Technical Education (AICTE)	04-12-2025 to 06-12-2025
Secure Vision 2026 Cyber Defense Digital forensics	VIT Chennai	17-11-2025 to 21-11-2025
Research Advancements and Applications of Quantum Computing	SRM Institute of Science and Technology	26-05-2025 to 30-05-2025
Python for Data Science	NPTEL	Jul – Aug - 2025
Learning Analysis Tools	NPTEL	Jul –Oct - 2025
Data Analytics with Python	NPTEL	JAN – APR - 2025
Technical Communication for Engineers	NPTEL	July – August - 2024
Introduction to Machine Learning	NPTEL	July – September 2024
Recent Trends in Embedded Systems and IoT (RTESIoT-2024)	GMR and Sri Sairam Institute of Technology	27-05-2024 to 01-06-2024
Social Network Analysis	National Institute of Technical Teachers Training Research	10/06/2024 to 14/06/2024
Analytics for Beginners	National Institute of Technical Teachers Training Research	19/02/2024 to 23/02/2024
Data Analytics and Machine Learning	SRM Institute of Science and Technology	21-08-2023 to 25-08-2023
No Code and Low Code	Sairam Engineering College & LTI mindtree	19-12-2022 to 23-12-2022
Team Building, Creativity and Innocation	LTI mindtree	24-06-2022
Recent Trends in Cloud Computing	Easwari Engineering College	29-03-2021 to 05-04-2021 (7 Days)
Recent Trends in Information Technology	St.Joesph Institute of Technology	<u>13-07-2020 to 18-07-2020</u> (6 Days)
Embrasing the Creative side of Teaching and learning methods	RMK College of Engineering and Technology	29-06-2020 to 03-07-2020 (7 Days)
Angular and Business Intelligence	St.Joesph Institute of Technology	30-05-2020 to 31-05-2020 (2 Days)

Data Science using Python	<u>CSI chapter Kanchipuram</u> <u>Mohamed Sathak A J College of Engineering</u>	<u>25-05-2020 to 30-05-2020</u> <u>(6 Days)</u>
Data Science using Python	Jeppiaar Institute of Technology	18-05-2020 to 22-05-2020 (5 Days)
Cyber Security	Vignana Bharathi Institute of Technology, Hyderabad	14-05-2020
CS6701 - Cryptography and Network Security	Panimalar Institute of Technology	11-05-2020 to 15-05-2020 (5 Days)
Latest Trends and challenges in IT industry	RMD Engineering College	<u>15-06-2020 to 20-06-2020</u> <u>(6 Days)</u>
Python 3.4.3 and R	Easwari Engineering College (Spoken Tutorial Project, IIT Bombay)	20-04-2020 to 30-04-2020 (10 Days)
Cloud Computing	NPTEL	Feb'19
"IOT Business 4.0 " & "Block chain Technology"	Tata Consultancy Services, Siruseri	27-10-18
Cloud and Automation	Tata Consultancy Services, Karapakkam	28-12-2016 to 06-01-2017 (10 Days)
Software Testing	Tata Consultancy Services	14-11-2014
Cloud Computing	Tata Consultancy Services	05-05-2014
Creativity and Innovation	Cognizant	05-09-13

Technical Certification:

- **Programming with Python for Data Sciences certification from NIIT.**
- **Programming, Data Structures and Algorithms using Python certification from NPTEL.**
- **Cloud computing certification from NPTEL.**
- **Introduction of Internet things Certification from NPTEL**
- **Introduction to Machine Learning Certification from NPTEL**
- **Technical Communication for Engineers from NPTEL**
- **Python for Data Science from NPTEL**
- **Learning Analysis Tools from NPTEL**
- **Data Analytics with Python from NPTEL**

Book Chapter :

S.No	TITLE	AUTHOR	EDITION	VOLUME	ISBN
1	Cloud Computing	Mr.T.Prabhar Godwin James Mr.R.Vedamoorthy Mr.M.Vaithyanathan Mr.J.thirunavkkarasu	1	1	978-93-5625-590-6
2	Fundamentals of Artificial Intelligence and Robotics	Ms.S.Sheeba Rachel Mr. M.Vaithyanathan Lumbini Bhaumik Mr.C.Nandhakumar	1	1	978-93-6132-738-4
3	Fundamentals of Big Data Analytics	Dr. Dheeraj Hebri Mr. M. Vaithyanathan Ms. Salna Joy Dr. Neethu P S	1	1	978-93-5762-524-1