

Dr. T.SUKUMAR B.E, M.Tech, Ph.D, MISTE

Address:

4, B.L Naidu Nagar Main Road, Sriperumbudur – 602
105, Kanchipuram District, Tamil Nadu, India

Cell :+8438355637 /+919444515636 .

E-mail : dr.t.sukumar@gmail.com/

sukumaraser@gmail.com/

sukumart@svce.ac.in



SUMMARY

In order to facilitate students to gain knowledge and mould them in the appropriate way, I employ self-analysis, intelligent decision-making, and self-learning capabilities as part of my passion for teaching.

HIGHLIGHTS

- **Around 18+ years** of professional experience in teaching and **one year** experience in software testing Industry.
- *Developed exclusive software system for NAAC, NBA, AICTE CII Survey etc.,*
- *A patent was filed on 8th October 2020. Application number was 20204103760.*
- *An International Patent was granted on 23rd Dec 2020. Application number was 2020102833.*
- Completed **Ph.D** in July 2018 with the title “An Effective Approach to Establish a Secure Communication Using Fingerprint and Secret Data” in **Anna University**, Chennai, Tamil Nadu, India. My research work was highly acclaimed by the panel experts.
- *Cyber Certified Security Professional*
- *Cisco Certified Network Associate.*
- Department in charge for National Cyber Safety and Security Standards (NCSSD).
- **IBM – RAD (Java Development)**
- Completed the course “Neural Networks and Deep learning” through coursera.

- **Sponsored** (Backbone to receive) a Ford Eco sport car for an amount of Rs 10.5 lakhs to SVCE.
- Effort put up to set up **Forensic Lab** in the Department of Information Technology.
- **Industry Objective Leader:** Made MoU with various companies and arranged Industrial visits, Internship to the students and Industry projects offered.
- **NSS Coordinator:** Organized around 20 regular programmes and 2 annual special camps at two villages such as Pennalur, Irungattukkottai, Mannur and Nemili for the betterment of society.
- **Foster Care:** Mentoring students to relieve from academic and personal problems.
- **Faculty Advisor:** Counseled students to relieve from academic and personal problems for set of students.
- **Project Coordination**
- **Placement Coordination**
- **Lab Manual Preparation**
- **Student Feedback Collection**
- **Cultural Activities Coordination**
- **Symposium Activities Coordination**
- **Entrepreneurship Development Activity**
- **Class Committee Chairperson**
- **Time Table Coordination**
- **Residential Tutor**
- **AICTE activities coordination**

PROFESSIONAL EXPERIENCE

Sl.No.	Designation	Institution	Duration		Experience
			From	To	
1.	Professor	Sri Venkateswara College of Engineering (SVCE), Sriperumbudur	01.11.2022	Till date	1 month
2.	Associate Professor	Sri Venkateswara College of Engineering (SVCE), Sriperumbudur	01.01.2019	31.10.2022	3 Years 9 Months

Sl.No.	Designation	Institution	Duration		Experience
			From	To	
3.	Assistant Professor	Sri Venkateswara College of Engineering (SVCE), Sriperumbudur	11.06.2009	31.12.2018	9 Years 6 months
4.	Software Engineer	Silver-Atena Electronic system India Pvt Ltd., (CMMI Level 5)	01.06.2008	01.06.2009	1 Year
5.	Lecturer	Arasu Engineering College	01.06.2001	17.06.2006	5 Years 17 Days
6.	Faculty	Abacus Computer Center	01.05.2000	01.03.2001	10 Months
		TOTAL			19+ years

EDUCATIONAL QUALIFICATION

Degree with Specialization	School /College/University	Year of Passing	CGPA / % Marks
PhD (Information and Communication Engineering)	Anna University	2018	----
M.Tech (Information Technology)	College of Engineering, Anna University, Chennai	2008	8.46 CGPA
B.E (Electronics and Communication Engineering)	A.V.C.College of Engineering, Bharathidasan University	2000	71.8 %
12 th Std (State board)	Govt. Model Hr.Sec.School	1996	73%
10 th Std (State board)	Govt. Model Hr.Sec.School	1994	80%

Subject Expertise:

Cyber Forensics
Computer Networks
Software Testing
Mobile Computing
Operating Systems
Microprocessor and Microcontroller
Ethical Hacking and IT Security

Topics Handled:

- Principles of Cyber Security & Management
- Risk Management, security plans and policies
- Penetration Testing
- Linux Structure and commands
- Information Gathering
- Target Enumeration
- Port Scanning Techniques
- Vulnerability Assessment
- Network Sniffing
- MITM Attacks
- DNS Spoofing

PAPER PRESENTED IN NATIONAL AND INTERNATIONAL CONFERENCES**International Journals**

1. M.Nithyashree, T.Sukumar, S. Kalavathy, K. Kamalkumar, "Continuous Abstractive Recall Oriented understudy for Gisting Evaluation", Test Engineering and Management, Vol.82 January-2020, pp 12626-12632(**Scopus Indexed**), **IF =0.427**.
2. T. Sukumar and Dr.KR. Santha, "Two Stage Security Scheme to Retrieve Secured Data from Database Using E2D2M2 Technique In Patient Monitoring", Research Journal of Biotechnology, Vol. (Special Issue II) August 2017, pp125-133, ISSN 2278-4535 (**Scopus Indexed**).
3. T. Sukumar, Aparna C.M, Aswini.B.S, Gayathri.K, and KR.Santha, "Security and Privacy of Group Communication Using Dynamic Master Key Exchange", An International Journal of Advanced Computer Technology, June 2016, ISSN 2320-0790 (**Scopus Indexed**).
4. T.Sukumar and Dr.KR.Santha, "Fingerprint Enhancement and Minutiae Extraction Using Varying Block Size Scheme", International Journal of Advanced Engineering Technology Vol. VII/Issue I/Jan.-March.,2016/308-312, ISSN **0976-3945**.

5. T.Sukumar and Dr.KR.Santha, "A New Approach of Data Hiding in Encrypted Image Using VKL (Varying Key Length) algorithm", International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.1, March 2015. **(Scopus Indexed)**
6. E.Elankumaran and T.Sukumar,"Data Transfer Trust Model for Peer-to- Peer Networks", International Journal of Applied Engineering Research, ISSN 0973-4562 Volume 10, Number 9 (2015).
7. D.Narayanamurthy, T.Sukumar, "Blind Source Separation Of Partial And Full Transparency Image Using Image Separation Algorithm", International Journal of Research in Computer and Communication Technology, Vol 2, Issue 4, April-2013, ISSN **2278-5841**.
8. T.Sukumar and Dr.K.R.santha, "Maze Based Data Hiding Using Back Tracker Algorithm", International Journal of Engineering Research and Applications, Journal, Vol.2, Issue No 4, July – August 2012, ISSN 2248-9622.
9. T.Sukumar, "Energy Efficient Multicast Routing Protocol for MANET ", International Journal of Applied Engineering Technology, Vol. I Issue I Page 64-73, April-June, 2010, ISSN **2633-4828**.

National Conference

1. T.Sukumar and Dr.C.Chellappan, "Energy Efficient Unicast Routing Protocol for MANET", Proceedings of National Conference on Trends in Information Technology and Communication Jan 2008.

International Conference

1. Sukumar T, Vidhya V, Aiswarya S, Hariharan J, Nagavignesh S, "Detection of different types of cancers using deep learning technique", International Conference on Computer Networks, Big Data and IoT (ICCB-2021), 09-10th December 2021.
2. T. Sukumar, P. Saikumar, B. Shruthi, R. Vasanthan, "Neural Networks based Defect Inspection for Texture Images", International Conference on Smart Technologies in Electric Vehicles and Power Grid (STEP – 2021), 27-29th January 2021.
3. M.Nithyashree, T.Sukumar, S. Kalavathy, K. Kamalkumar, "Continuous Abstractive Recall Oriented understudy for Gisting Evaluation", International conference on Innovative Research in Science and Technology (ICIRST-2019), 30-31st Aug 2019.
4. T.Sukumar and Dr.KR.Santha, "An Approach for Secret Communication Using Adaptive Key Technique for Gray Scale Images", IEEE International Conference on Circuit, Power and Computing Technologies (ICCPCT), DOI: 10.1109/ICCPCT.2015.7159290

SKILL DEVELOPMENT PROGRAMMES [FDP / WORKSHOPS] ATTENDED

Sl. No.	Program	Duration		Institution
		From	To	
1.	FDP on Mobile computing	13.06.2003	16.06.2003	Kongu Engineering College

2.	FDP on Digital communication	01.11.2004	03.11.2004	Anna University, Chennai
3.	QIP on Student Guidance and Counseling.	17.09.2005	19.09.2005	Arasu Engineering College
4.	Personality Development Programme	01.03.2006	03.03.2006	Arasu Engineering College
5.	Workshop on Lesson Plan and Class Notes preparation.	24.05.2006	26.05.2006	Thiyagarajar Engineering College
6.	Cloud Computing	17.06.2009	17.06.2009	Cognizent & SVCE
7.	Workshop in Software Testing	01.11.2009	01.11.2009	SVCE
8.	IBM-RAD	15.03.2010	18.03.2010	SVCE
9.	Fosse, IIT, Bombay sponsored workshop in, "Python Workshop – Scientific Computing".	22.04.2010	23.04.2010	Sri Venkateswara College of Engineering,
10.	Workshop on software testing	July 16 th 2011		CTS, Tambaram MEPZ
11.	Emerging Directions in Image Processing and Understanding	Feb 23 rd 2012	Feb 24 th 2012	SSN college of Engineering
12.	Two Days Workshop on DSP Based System Design Using T1 Processor and FPGA	19 th Oct 2012	20 th Oct 2012	SVCE
13.	One Day Workshop on Research Methodologies From End to End	11 th May 2013	-	Thirumalai Engineering College, Kilambi, Kancheepuram
14.	One Day Workshop on National Programme on Technology Enhanced Learning	10 th Aug 2013	-	SVCE
15.	6 days FDP on Grid and Cloud Computing	7.8.14	14.8.14	SVCE
16.	One day workshop on Research Methodology	16.12.14		Anna University

17.	One day Workshop on Research	3.12.2016	-	Kings Engineering College
18.	FDP on Digitalization and its Future Impact	20.05.2017	-	CTS, MEPZ, Tambaram.
19.	Two days workshop on Data Analytics	1.6.2017	2.6.2017	M/S. Infosys at Mahendra city, Chennai.
20.	Three days FDTP on Data Analytics	5.6.2017	7.6.2017	SVCE
21.	One day Guest Lecture on Data Science	13.06.2017		SVCE
22.	Two days workshop on "React Up"	09.03.18	10.03.2018	SVCE
23.	seven days FDTP on EE6502 Microprocessors and Microcontrollers	07.06.2018	14.06.2018	SVCE
24.	one day FDP on cyber security	22-06-18		Raja Rajeswari Medical College at Bangalore
25.	Two days Certified Cyber Security Professional (CCSP) Workshop	23-06-2018	24-06-2018	Raja Rajeswari Medical College at Bangalore
26.	Real time AI in Business Intelligence Applications	03.06.2020	-	Online Mode
27.	Advanced Excel Workshop	12-06-2020	-	Online Mode
28.	Webinar on Working Concept of SAP	13.06.2020	-	Online Mode
29.	Webinar on Challenges in 4G & 5G Technology	20.06.2020	-	Online Mode
30.	3 days workshop on "DATA SCIENCE AND MACHINE LEARNING"	26/06/2020	28/06/2020.	Online Mode
31.	Deployment of Machine Learning Models in AWS using Flask Framework	04/07/2020		Online Mode
32.	Industrial Training Program on	27.07.2020	31.07.2020	Online Mode

	“Future Scope of Engineering in Global Development” by Pantech Solutions, Chennai			
33.	FDP on Cyber security Infrastructure Configuration (Online Live FDP) conducted by ICT Academy	20.09.2021	24.09.2021	Online Mode
34.	International Webinar Session on “Technology Impact On New Education Policy – 2020”	27/08/2021	-	Online Mode
35.	online FDP on Cyber security Infrastructure Configuration	20/09/2021	24/09/2021	Online Mode
36.	Microsoft Azure Machine Learning and Artificial Intelligence	15/03/2022	17/03/2022	Online Mode
37.	The future of mobile app industry	28/03/2022		Online Mode
38.	Microsoft Azure Data Fundamentals	29/03/2022	31/03/2022	Online Mode
39.	Innovation & Entrepreneurship	16/06/2022	17/06/2022	Online Mode
40.	Digital Tools for Faculty and Staff	11/07/2022	15/07/2022	Online Mode

WORKSHOP ORGANIZED

Sl. No.	Workshop Title	Date	Institution
1	“Service Oriented Architecture & Web development”	27.08.2009	SVCE.
2	IBM – RAD	15.03.2010	SVCE
3.	Ethical Hacking and Forensic Course	11.12.2012	SVCE
4.	Conducted Orientation Programme on Entrepreneurship	10.01.2013	SVCE
5.	One-day Seminar by AAVIN & EDI	09-02-2013	AIM

6.	Guest Lecture – 2	11-02-2013	SVCE
7.	Guest Lecture – 3	04-03-2013	SVCE
8.	Inauguration of AAVIN Parlor at SVCE	15-04-2013	SVCE
9.	Guest Lecture – 4	10.07.2013	SVCE
10.	Advisory Board Meeting	25.07.2013	SVCE
11.	Guest Lecture – 5	07.08.2013	SVCE
12.	Guest Lecture – 6	03.09.2013	SVCE
13.	EAC – 2	18.09.2013 to 20.09.2013	SVCE
14.	Entrepreneurship Skill Development Programme on Electrical Servicing of home appliances	20.11.2013 TO 10.12.2013	EE Dept, SVCE
15.	Entrepreneurship Skill Development Programme on Electronic Servicing of home appliances		EC Dept, SVCE
16.	Entrepreneurship Skill Development Programme on Desktop Computer servicing		EC Dept, SVCE
17.	Entrepreneurship Skill Development Programme on Repair & Maintenance of Automotive Vehicles		Automobile Dept, SVCE
18.	Entrepreneurship Skill Development Programme on Plumbing Works		Mech. Dept, SVCE
19.	Entrepreneurship Skill Development Programme on Servicing of Air-conditioner		Mech. Dept, SVCE
20.	EDC–SVCE Entrepreneurs Meet & Motivational Talk		05.02.2014
21.	Technology based Entrepreneurship Development Programme on Welding Practice	20.02.2014 TO 02.04.2014	Mech. Dept, SVCE

22.	Three Days Workshop on “Data Exploration using R Programming”	22.08.2019 To 24.08.2019	IT Dept, SVCE
23.	one day workshop on Cyber Security and Social Media Awareness	04.11.2019	IT Dept, SVCE
24.	one day webinar on Cyber Security in COVID 19		
25.	FDP on DESIGN THINKING - A PROCESS FOR CREATIVE PROBLEM SOLVING in association with WriteIT Solutions Pvt Ltd.,	13.07.2020 to 17.07.2020	IT Dept, SVCE
26	Webinar on Data WareHouse and Business Intelligence	30.05.2022	Online mode

AWARDS AND CERTIFICATES

- Received cash reward for producing **100% pass** in Anna university semester examination.
- Received cash reward for publishing International Journal.
- Received appreciation from principal and vice principal for Forensic Lab activities.
- **IBM – RAD (Java Development)**

SOFTWARE SKILLS

Operating System : WindowsXP, UNIX and Kali Linux
 Languages : HTML, DHTML and C



T.Sukumar