Dr.G.TONY SANTHOSH		
Designation:	**Associate Professor**	
Qualification:	**M.E, Ph.D**	
Area of specialization:	**COMMUNICATION AND NETWORKING**	
Experience : (As On March 2026)	**Industrial Experience**	**Teaching Experience**
	-	**15 Years 3 Months**
Number of workshop / FDP attended:	**Number of Workshops**	**Number of FDPs**
	5	**7**

Publications:	**Conference**		**Journal**	
	National	**International**	**National**	**International**
	1	**4**	**3**	**4**

Patents:	**National**	**International**
	5 Published	**-**

Professional Body Membership:	**IEEE**

Staff Achievements:	Achieved 100% result in AU semester exams for the subjects Digital Electronics, Digital Communication and Intellectual Property Rights.			
Workshop Details:	**Sl. No.**	**Title**	**Venue**	**Month/Year**
	1.	Training of Trainers: Mechatronics and Machine Learning	Alpha College of Engineering, Chennai.	27th & 28th April 2012
	2.	NPTEL Workshop	IIT Madras	16th Feb, 2013
	3.	Internet of Things Using Raspberry Pi	Advanced Training Institute, Chennai	12th to 16th February 2018
	4.	Training of Trainers: Pedagogy	Alpha College of Engineering, Chennai.	8th to 12th July 2019
	5.	Recent Trends in Rehabilitation Engineering	Alpha College of Engineering, Chennai.	25th Nov to 7th Dec 2019

FDP Details:	Sl. No.	Title	Venue	Month/Year
	1.	Introduction to Python Programming	Alpha Arts and Science College, Chennai	26th July to 27th July 2019
	2.	Outcome Based Education	Teaching Learning Centre, IITM, Chennai	1st to 3rd December 2017
	3.	Embedded and Realtime Systems	Sri Venkateshwara College of Engineering, Sriperumbudhur	13th to 21st June 2017
	4.	Teaching Techniques	Alpha College of Engineering, Chennai	1st and 2nd November 2016
	5.	Wireless Sensor Networks	Panimalar Engineering College, Chennai	2nd to 9th December 2014
	6	Computer Networks	Kongunadu College of Engineering & Technology,	16th to 22nd December 2013

	7	Deep learning tools and its applications	Namakkal Sri Sairam Engineering College, Chennai	25th to 29th July 2022

Published Patents:

1. Published a design patent in November2021 entitled "Artificial Intelligence based nerve activation device for healthcare treatment" with design number **353917-001**.
2. Published an application patent in July2021 entitled "A system and method of IoT Healthcare Management technique for modern medical processes" with application number **202141030256**.
3. Published a patent in July2020 entitled " Smart Follower Embedded in Combat Boots for Soldiers Under IOT Network" with application number **202041022317**.

Publication Details:

1**.** G.Tony Santhosh, Dr.S.Dhandapani, " Impact of Hybridized Rider optimization with Cuckoo Search Algorithm on Optimal VANET Routing", International Journal of Communication Systems, ISSN:1099-1131, Vol.34, Issue.16, November 2021.

2. R.Prasath, G.Tony Santhosh, I.Andrews Juben , " The security in web application of cloud and IoT service ", Materials Today: PROCEEDINGS, Nov 2020.

3. G.Tony Santhosh, Dr.S.Dhandapani, "Optimal Routing in VANET using improved meta-heuristic approach: a variant of JAYA", IET Communications, ISSN:1751-8636, Vol.14, Issue.16, October 2020.

4. B.Suresh Chander Kapali, G.Tony Santhosh**,** I.Andrews Juben, " A Study on Effect of Chronic Alcoholism Leading to Cardiomyopathy - Using HRV as a Tool " Journal of Critical Reviews, ISSN: 2394-5125, Vol.07, Issue.05, July 2020.

5. G.Tony Santhosh, Dr.S.Dhandapani, "Hybridization of Monarch Butterfly and Grey Wolf Optimization for Optimal Routing in VANET", International Journal of Engineering and Advanced Technology, ISSN: 2249 - 8958, Vol.09, Issue.02, December 2019.

6. G.Tony Santhosh, L. Subhasri," Overview of Design and Integration of UAV aircraft for Surveillance", IRJET Vol.04, Issue.09, September 2017.

7. Lakshminarayana Chavla, G.Tony Santhosh" Realtime Safety measures in Railways using Embedded System", IJERT Vol.03, Issue.08, Aug 2014.

Conference Details

1. Presented paper titled "Efficient Clustering algorithm for the integration of WSN with wired network" in the International Conference organized by Sun College of Engineering and Technology, Nagercoil on 18th and 19th March 2010.

2. Presented paper titled "Design of Rapid Vehicular Communication using SDVN" in 4th International Conference on Engineering and Applied Sciences organized by S.R.I College of Engineering and Technology, Vandavasi on 22nd March 2017.

3. Presented paper titled "Message Notification for Patient Care System using Hand gesture recognition "in the International Conference on Scientific Research and Development in Biomedical Engineering organized by Alpha College of Engineering on 28th March 2018.

4. Presented paper titled " Hybridization of Monarch Butterfly and Grey Wolf Optimization for Optimal Routing in VANET " in the International Conference on Recent Trends in Electronics, Computing and Communication Engineering organized by Saveetha School of Engineering on 25th and 26th April 2019.

5. Presented paper titled "Digital Image Processing Based Pest Detection" in the IEEE technically sponsored First International Conference on Computational Science & Technology(ICCST 2022) organized by Department of CSE, Sri Sairam Engineering College, Chennai on 9th and 10th November 2022.

6. Presented paper titled 'Comparative analysis of VANET algorithms' in the Two day International Conference on Innovations in Science and Humanities organized by Saveetha Engineering College on 19th and 20th April 2023.