

Prof. T. Shanmuganantham is a Professor of Electronics Engineering at Pondicherry Central University, Pondicherry.

He received his B.E. degree in Electronics & Communication Engineering from the University of Madras in the year **1996**, an M.E. degree in Communication Systems from Madurai Kamaraj University in the year **2000** and a Ph.D. degree (**He received a Gold Medal**) in the field of Antenna Engineering from the National Institute of Technology (NIT), Tiruchirappalli in the year **2010** under the guidance of **Prof.S.Raghavan**, Senior Professor (HAG-Retd.), Dept. of Electronics & Communication Engineering, NIT, Tiruchirappalli. He has **28** years of experience in teaching & research currently, he has been a Senior Professor in the Department of Electronics Engineering, School of Engineering & Technology, Pondicherry Central University, Pondicherry, since July 2010. Before this appointment, he worked in the Dept. of ECE, PKIET (A Govt. of Pondicherry Institution), Karaikal and SSN College of Engineering, Chennai. He holds a Google Scholar H-Index of **24** and an i-10 index of **83** with over **2675** citations, **304** Scopus Publications with over **1515** citations and an H-Index of **18**, research articles published in **Web of Science-134, ORCID-115, IEEE Xplore-194** publications as per database available in researcher id also his name listed Top **10** researcher in Pondicherry University website (<https://pondiuni.irins.org>). His research area of interest includes Analysis, Optimization, Design, Development and Characterization of Antennas, Microwave/millimeter-wave/Terahertz Engineering, MEMS/NEMS, RF Design & Technology, Optical Communication Components & Subsystems and Specific antenna design for 5G/6G/7G, MIMO, Array antenna for beam forming and beam steering, Wireless on-body Communications (Wearable Antennas), in-body Communications (Implantable Antennas), Agriculture, Automotive, Healthcare, Satellite, Space, Spiritual, Sports, Wireless and Mobile Industries.

He has published **660** papers in Peer-Reviewed Journals and Conference Proceedings and **12** Book Chapters Published in Taylor and Francis, Springer Nature and Elsevier.

Prof. T. Shanmuganantham introduced B.Tech. (ECE) under NEP-2020 in the academic year 2024-25, M.Tech. ECE (Intelligent Communication Systems) in the year 2024-25, inaugurated the IEEE Student Branch (in the capacity of SB Counselor) and Organized the First Alumni Meet at the Department of Electronics Engineering during his

tenure as Head of the Department from May 2022 to May 2025. Introduced about 10 B.Tech. Programs under NEP for various Affiliated Colleges.

Prof. Shanmuganantham is a Fellow of the Antenna Test and Measurement Society (ATMS) elected by ISRO Scientists and also elected as a Senior Member in URSI, Senior Member in IEEE, IEEE Antenna & Propagation Society, IEEE Circuits & System Society, IEEE Microwave Theory & Technique Society, Fellow of Institution of Engineers (India), Fellow of Institution of Electronics & Telecommunication Engineers (India), Life Member in ISSS, Semiconductor Society of India, Telemedicine Society (India), CSI (India), Society of ISTE, EMC, ILA, OSI and ISI. In addition, he is a Member of the School Board at Pondicherry University, Chairman of the Board of Studies at Pondicherry University & Affiliated Colleges, Anna University, Annamalai University, Bharathiar University, Thiruvalluvar University, University of Madras, and Christ University. His biography was included in 'Marquis Who Is Who in the World', USA in **2010, 2018 & 2019**, also his biography was selected in 'Asia Pacific Who's Who' in **2018**.

He is the Editorial Board Member of the Journal of Progress in Electrical Engineering, ICTACT Journal on Communication Technology; he served as Vice Chair of IEEE Circuits and Systems Society (India Council), New Delhi, from **Jan.2015** to **Dec.2019**. He conceptualized and initiated five flagship IEEE-Sponsored Conferences in India in 2017, 2018, 2019, 2021, and 2022 in the fields of Circuit & Systems and Microwave & Antenna Engineering. Currently, he has been serving as Vice Chair (Academics), IEEE Madras Section and Chair of the IEEE Antenna Propagation Society (Madras Section) since **Jan.2020**. (Received Best Society Chair Award for more events organized during the years 2020 & 2022)

He received the International Researcher Award from England in 2021, was the recipient of the IEEE Best Researcher Award 2021, and received more than **25** Best Paper Awards from IEEE; and Springer Sponsored Conferences for his enormous Research contributions. He has produced **11** Ph.D. degree candidates successfully under his guidance, and He is currently guiding **08** Doctoral Research Scholars. He has guided more than **100** M.Tech. Projects, so far. He has completed three sponsored projects worth **Rs.3** Crores. Currently, an ongoing research project on **5G & RF** sponsored Research worth **Rs.1** Crore. He is a potential reviewer for IEEE Transaction on Antennas and Propagation, IEEE

Transaction on Microwave Theory and Techniques, IEEE Transaction on Electromagnetic Compatibility, IEEE Transaction on Circuits & Systems, IEEE Sensor, IEEE Access, IEEE Letters, IET Journal/Letters, PIER Journals, John Wiley, Elsevier, Springer, Taylor and Francis and many IEEE Conferences. He has been invited to many national and international conferences, and he has lectured extensively at many Universities/Institutions. He visited many countries like the USA, Malaysia, Singapore and Taiwan in connection with various academic assignments.