



**Associate Professor - Senior Scale & Group Leader - Control Systems**  
**Young Scientist Scheme Grant Awardee (2013 - 2017) - DST, Govt. of India**  
**Co-PI, ISRO Research Project on Quadrotor-(2019-2021)**  
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**Dr.I.Thirunavukkarasu** born on 18<sup>th</sup> August 1981 at Kanchipuram. Presently working as an Associate Professor-Senior Scale in the Dept. of Instrumentation and Control, Manipal Institute of Technology, Manipal Academy of Higher Education (Institute of Eminence, status given by MHRD, G.O.I), Karnataka. He has 15+ years of teaching experience and 9 years of research experience. He completed his diploma with honors in Electronics and Communication Engg. in 1999 and joined as a lateral entry candidate for B.E (Instrumentation and Control Engg) and completed the degree in 2002 from **Madras University**, Chennai. Obtained his M.E (Process Control and Instrumentation) from **Annamalai University**, Chidambaram in 2005 followed by the Ph.D degree in Robust Process Control from **Manipal University**, Karnataka in the year April 2012.

During 2018, he served as a Visiting Professor in Dept. of Chemical Engg, Ryerson University, Canada for three months.

He is the recipient of **DST Fast Track grant for young scientist from the Government of India for the period 2013-2016**. Presently working on a sponsored research from **ISRO, Govt. of India** towards the Nonlinear Control design for Quadrotor during 2019-2021.

Also, he received the Post-Doctoral research and publication grant from MAHE towards “Nonlinear Control Design(SMC) for a Non-Linear Process” during Jan 2013-Dec 2014.

Received research seed money grant from MAHE(IoE) towards the establishment of coolant flow station control for a nonlinear batch reactor in Advanced Process Control Lab in MIT, Manipal.

He has also organized two international conferences, workshops, FDP in the area of Control System and Process Control domain with the grants from various research organizations like ISRO, DRDO, ONGC, AICTE & National Instruments.

Two PhD students have completed in the area of Process Control in the year 2018. Another two PhD students submitted their thesis in the area of Process Control in May 2020. Presently two full time PhD students are working in the area of Nonlinear Controller design for Aerospace applications.

He has published his research articles in peer reviewed SCI publications like American Chemical Society, Materials Today Proceedings, MATEC Web of Science, Springer Lecture Series etc.

He is also member in various professional bodies: Senior member in IEEE, ACS Member, ACDOS member. ISTE, SSI, ISSE, IE(I)

He has participated and presented his research findings in various scientific conferences held worldwide including USA, Canada, Germany, Italy, London (2), Bahrain, Oman, Singapore, Malaysia (2), Thailand(2), Dubai and France.

He is happily married to Dr.S.Shanmuga Priya and blessed with two sons Kailash and Namasivaya.