



**Assistant Director (Doctoral Programmes) & Professor**  
Young Scientist Scheme Grant Awardee (2013-2017), DST. G.O.I. Co-PI, ISRO Research Project, G.O.I (2019-2021)  
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**Prof(Dr)I.Thirunavukkarasu** born on 18<sup>th</sup> August 1981 at Kanchipuram. Presently working as an Assistant Director(Doctoral Programmes) and Professor 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 18+ years of teaching experience and 12 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 Academy of Higher Education, Manipal**, Karnataka in the year April 2012.

Joined as a researcher for six months (Oct 2020-March 2021) to work under Prof.Radhakanth Padhi, Dept. of Aerospace **Indian Institute of Science, Bangalore** to work in the area of advanced nonlinear control algorithms. 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. 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 grants from MAHE (IoE) towards the establishment of coolant flow station control for a nonlinear batch reactor and Machine Learning concepts for Biodiesel Production in batch reactor in “Machine Learning for Advanced Process Control Lab” in collaboration with NUS, Singapore and West Virginia University, USA.

He evaluated more than 30 PhD engineering thesis from various universities including state and deemed universities as Indian examiner.

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.

Four PhD students have completed their degree in the area of Advanced Control Systems in the year 2018(Two students), 2020 (one part time student) and in 2021 (one part time student). Presently two full time PhD students are working in the area of Nonlinear Controller design for Quadrotor and Micro Aerial Vehicle.

He has published his research articles in peer reviewed SCI publication i.e, American Chemical Society and few others in Elsevier Materials Science, 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) and American Chemical Society.

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.