

**Name** : **Dr.K T.MADHAVAN**

**Title** : Professor and Head, R & D Unit, Sreepathy Institute of Management and Technology , Vavanoor, Koottanad, Palakkad (Dt), Kerala  
*Senior Principal Scientist (Retired), National Aerospace Laboratories, Bangalore 560017*

**Qualifications** : **Ph.D.**(Aerospace Instrumentation)  
Indian Institute of Science, Bangalore  
**M.Sc.(Technology)** – Electronic Engineering,  
National Institute of Technology, Warangal

**Professional research experience**

*National Aerospace Laboratories, Bangalore*

- (i) Development and applications of analog and digital Instrumentation and controls
- (ii) Development and applications of analog and digital Instrumentation and controls
- (iii) Design and development of micro- processor/microcontroller-based systems for data acquisition and control
- (iv) Development of DSP-based signal processors
- (v) Development and applications laser-based measurement techniques for aerospace research
- (vi) Development of smart materials-based systems in aerospace applications:
- (vii) MAV Aerodynamic research

*Sreepathy Institute of Management and Technology , Vavanoor, Koottanad,*

- (i) Coordination of R & D activities, students projects, Sponsored research projects
- (ii) Coordination of inter-institution research work
- (iii) Support in technical publications

**Guidance of ME/M.Tech. Projects : 10**

**Guidance of Ph.D. Thesis work: 2**

**Publications:**

International Journals: 5 original papers, National journals : 5 original papers in  
National Conferences: 15 Papers in Inter-national Conferences: 15

**Areas of Interest** : Analogue and digital Instrumentation, Digital Signal processing, Unmanned Air vehicles/MAVs, Smart materials and structures, Solar cell applications