

Dr. Manikandan Murugaiah

Associate Professor
LTA Systems | CFD | Design Optimization | AI/ML
School of Aerospace Engineering
Ramaiah Institute of Science and Management
Bengaluru, India

Academic Qualifications

- Ph.D. Aerospace Engineering, IIT Bombay (2022)
- M.Tech. Astronomy & Space Engineering, MIT Manipal (2013)
- B.Tech. Aeronautical Engineering, MLRIT, JNTU (2009)

Professional Experience

- Associate Professor, Aerospace Engineering, RISM (**Present**)
- Former Senior Assistant Professor, MIT Manipal
- Over 16 years of teaching, research, and academic leadership.

Professional & Academic Associations

- Associate Professor, School of Aerospace Engineering, RISM
- IIT Bombay (Alumnus)
- AIAA Lighter-than-Air Technical Committee Member
- **Email:** manikandan.m@rism.org.in, maniaero2007@gmail.com

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Research Interests

Lighter-than-Air Systems • Hybrid Airships • UAV Design • Computational Fluid Dynamics • Aerospace Design Optimization • Surrogate Modelling • AI/ML for Aerospace • Engineering Software Development

Selected Achievements

- 20 peer-reviewed journal publications
- Best Written Paper Award (Royal Aeronautical Society, London)
- Coordinator – AICTE IDEA Lab (MIT, Manipal)
- Coordinator – Centre for Aerospace Science and Technology (MIT, Manipal)
- Coordinator – Space Research Centre (MIT, Manipal)
- Patent and software copyright filings
- Supervised 60+ UG/PG research projects.
- Co-supervised 2 Ph.D. candidates