

BIO-DATA

- a) Name : KAVIYARASU A
- b) Date of Birth : 25/05/1987
- c) Academic qualifications : Ph.D
M.E (Avionics)
B.E (Electronics and Communication Engineering)
- d) Areas of expertise : Unmanned Aerial Vehicles(UAV, Flight Controls and Image Processing
- e) Experience : 10 years

Sr. No.	Position held (Designation)	Place of work	Duration	Areas of work
1	Assistant Professor	Anna University	26.11.2014 - till Date	Flight Controls, Unmanned aerial Vehicles and Image Processing
2.	Teaching Fellow	Anna University	05.09.2011 - 25.11.2014	Flight Controls, Unmanned aerial Vehicles and Image Processing
3.	Research Associate	Center for Aerospace Research, Anna University	01.10.2010 - 01.09.2011	Unmanned Aerial Vehicle

h. List of publications (Paper published during last 10 years)

In International and National Journals

1. Dr. A. Kaviyarasu and Dr. A. Saravanakumar, and Mr. M. Logavenkatesh, "Hardware in Loop Simulation of a Waypoint Navigation Using Matlab/Simulink and X-plane Simulator", 2019 International Conference on Intelligent Sustainable System (ICISS), DOI:10.1109/ISS1.2019.8908103, Electronic ISBN:978-1-5386-7799-5.
2. Dr. A. Kaviyarasu and Dr. A. Saravanakumar, and K. Elumalai, "Software in the Loop simulation of Formation Flying of Multirotor UAV", 2019 International Conference on Intelligent Sustainable System (ICISS), DOI:10.1109/ISS1.2019.8908015, Electronic ISBN:978-1-5386-7799-5.
3. Mr.A.Kaviyarasu and K.Senthilkumar, "Simulation of a Flapping Wing Unmanned Aerial Vehicle using X - Plane and Matlab/Simulink", Defence Science Journal, volume 64, No.4, July 2014, pp.327-331. DOI : 10.14429/dsj.64.4933
4. Mr.A.Kaviyarasu, A. Saravanakumar and U. Manikandan, "Design and Development of Low Cost Ground Receiving Station for LEO Satellite Operation", International Journal of Pure and Applied Mathematics, volume 119, No.12, pp.2921-2933.

5. Mr.A.Kaviyarasu, A. Saravanakumar and K. Pradeesha "Air Traffic Control Secondary Radar", International Journal of Pure and Applied Mathematics, volume 119, No.12, pp.2935-2944.
6. Mr.A.Kaviyarasu and Dr. Senthilkumar "Design of Automatic PID Gain Scheduling for Fixed Wing Unmanned Aerial Vehicle", International Journal of Electrical and Electronics Engineers, volume 7, Issue 2, pp.451-460.
7. Mr.A.Kaviyarasu and A. Saravanakumar, "Study of Fixed Wing Aircraft Dynamics using System Identification Approach", International Journal of Electrical and Electronics Engineers, volume 7, Issue 2, pp.461-467.
8. Mr. R Athilingam, AM Rasheed, KS Kumar, A Kaviyarasu and Thillainayagi, "Target Tracking with Background Modeled Mean Shift Technique for UAV Surveillance videos", International Journal of Engineering & Technology (0975-4024) 6.2 (2014).

List of Conference Publications

9. Mr. A. Kaviyarasu, Dr. A. Saravanakumar and Mr. Elumalai, "Software in the Loop Simulation of Formation Flying of Multirotor UAV", Proceedings of 2nd International conference on Intelligent Sustainable system (ICISS 2019) by SCAD Institute of Technology, Palladam, India on 21-22 February 2018 (pp 30 – 35).
10. Mr. A. Kaviyarasu, Dr. A. Saravanakumar and Mr. M. Loga Venkatesh, "Hardware in Loop Simulation of a Waypoint Navigation Using Matlab/Simulink and X-plane Simulator", Proceedings of 2nd International conference on Intelligent Sustainable system (ICISS 2019) by SCAD Institute of Technology, Palladam, India on 21-22 February 2018 (pp 35 – 40).
11. Mr.A.Kaviyarasu, A. Saravanakumar and U. Manikandan, "Design and Development of Low Cost Ground Receiving Station for LEO Satellite Operation", Proceedings of "Recent Advances in Science, Engineering and Management (NCRASEM-2018)" conducted by Tagore Engineering College, 28th March, 2018.
12. Mr.A.Kaviyarasu, A. Saravanakumar and K. Pradeesha "Air Traffic Control Secondary Radar", "Recent Advances in Science, Engineering and Management (NCRASEM-2018)" conducted by Tagore Engineering College, 28th March, 2018.
13. Mr.A.Kaviyarasu , Mr.R.Athilingam and Dr. K.Senthilkumar, "Hardware –In-Loop-Simulation for Quad Rotor Unmanned Aerial Vehicle Using X-plane/Simulink", Proceedings in Elsevier of the Second International Conference on Recent Advances in Design, Development and operation of Micro Air Vehicles-2013(ICRAMAV-2013) by JNT University, Hyderabad on 21-23 November 2013 (pp 213-218).
14. Mr.A.Kaviyarasu , Mr.R.Athilingam and Dr. K.Senthilkumar, "Object Detection and Tracking with Overlay model for UAV Surveillance Videos", Proceedings in Elsevier of the Second International Conference on Recent Advances in Design, Development and operation of Micro Air Vehicles-2013(ICRAMAV-2013) by JNT University, Hyderabad on 21-23 November 2013 (pp 30 – 35).