

Faculty Profile



Dr. V. Anusha Rani, M.E., Ph.D

Assistant Professor (OG)

HIGHLIGHTS:

- Number of Journal Publications: 10
- H-Index:01
- Project Funding Received: NIL
- Patents Published: 02
- Patents Granted: NIL

PROFESSIONAL LINKS:

- Scopus ID: 57188766863
- Scopus Link: <https://www.scopus.com/authid/detail.uri?authorId=57188766863>
- Google Scholar ID:
- Anna University Faculty ID:
- AICTE Faculty ID: 1-477784563
- Anna University Supervisor ID: 4230019
- LinkedIn:

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 7 years
- Industrial Experience: NIL

AREA OF SPECIALIZATION:

- Control and Instrumentation Engineering
- System Identification
- Controller Design
- Optimization Engineering

Ph.Ds AWARDED WITH DETAILS: NIL

Ph.Ds GUIDING:

- **Full Time Scholars: NIL**
- **Part Time Scholars : NIL**

SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY:

NIL

PATENTS PUBLISHED:

- AUTOMATED AIR QUALITY MONITORING SYSTEM IN REAL TIME CABIN ENVIRONMENT AND ENHANCED DRIVER HEALTH, 06/06/2023, T. Merlin Inbamalar, Dr. A. Manonmani, **Dr. V. Anusha Rani**, M. Kalpana, Padma.

COURSES CERTIFIED:

- Certified as “ENERGY LITERATE” organized by Energy Swaraj Foundation in association with Rathinam Technical campus, Coimbatore, Tamilnadu on 30th August 2020. (online)
- Cleared Vantage level in BUSINESS ENGLISH CERTIFICATION.
- Reviewer in the “Soft Computing” Journal of Springer Publications.

ACHIEVEMENTS AND AWARDS:

- Paper awarded in “PERFORMANCE ANALYSIS OF OBSERVERS FOR FLUIDIZED BED DRYER” presented in National conference titled “Communication, Computing and System design (NC3SD-2019)”.

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

- “A Review on Optimal Control Theory in Biomedical Applications”, International Conference on Future Prospects of Biotechnology and Bio-Medical Applications, 18th December 2020, Sri Sakthi Institute of Engineering and Technology, Coimbatore.
- “Review on modeling and control of a Continuous Stirred Tank Reactor (CSTR) and its application in Waste Water Treatment” presented in National conference titled “Environmental Pollution and control Technologies”, August 31 2019.
- “Performance Analysis of Observers for Fluidized Bed Dryer” presented in National conference titled “Communication, Computing and System design (NC3SD-2019)”. (Received Best Paper Award)
- “Trajectory Tracking Control of Continuous Stirred Tank Reactor using Sliding Mode Strategy,” presented in IEEE Sponsored International Conference on Engineering and Technology, 30-31 August 2018.

- “Observer based controller design for a Continuous Stirred Tank Reactor (CSTR)”, presented in International Conference on Advances and Challenges for Sustainable Ecosystems, 06-08 December 2018.
- “Sliding mode control for Robust regulation of Chemical Processes” presented in International Conference on Control, Computing and Embedded system (Jan 2016).
- Attended a One-day National level webinar on “Big Data, Control Theory and Medicine: Borrowing Concepts from Each Other” organized by NIT Mizoram on July 15, 2020. (online)
- Attended a One-day National level webinar on “AI and IoT in Manufacturing” organized by the Department of Mechanical Engineering, Sri Balaji Chockalingam Engineering college, Arni, Tamilnadu on 05th August 2020. (online)
- Attended international webinar series on “Intelligent Data Analytics” organized by Research Department of Computer Science, Kamarajar College, Thoothukudi, Tamil Nadu during 11th August – 13th August 2020. (online)
- Attended a Short-term course on “Learn to design your own solar home system” organized by Energy Swaraj Foundation in association with Rathinam Technical campus, Coimbatore, Tamilnadu on 30th August 2020. (online)
- Participated in the International Workshop on “Plagiarism and Academic integrity: Problems and Solutions”, organized by Manuscriptpedia, Kanyakumari, on 9th– 10th October, 2020 through online pedagogy.
- Attended Short Term Course on “Non Linear Dynamical Systems: Concepts and Applications” conducted by CIT-TLC Coimbatore from 16th July to 20th February 2019.
- Attended Faculty Development Programme on Recent Advances in Chemical, Biological, Energy and Environment conducted by the department of chemical engineering Coimbatore Institute of Technology Coimbatore from 22nd July to 26th April 2019.
- Completed an online course on “Intelligent Machining” authorized by University at Buffalo and The State University of New York and offered through Coursera from 6th May to 6th June 2019. (online)
- Attended Hands on Training on “Reference Management Tools, Statistical Analysis using R and LATEX” conducted by CIT-TLC Coimbatore from 30th July to 01th August 2018.

PROFESSIONAL MEMBERSHIPS: