



**Dr.A.MANONMANI, M.E., Ph.D**

Associate Professor

**HIGHLIGHTS:**

- Number of Journal Publications: 17
- H-Index:
- Project Funding Received: NIL
- Patents Published: 04
- Patents Granted: NIL

**PROFESSIONAL LINKS:**

- Scopus ID: 57192979608
- Scopus Link:
- Google Scholar ID : <https://scholar.google.co.in/citations?user=lci249IAAAAJ&hl=en>
- Anna University Faculty ID: 2122101
- AICTE Faculty ID: 1-1495594031
- Anna University Supervisor ID: 313-0029
- LinkedIn:

**PROFESSIONAL BACKGROUND:**

- Teaching Experience till date: 17 years
- Industrial Experience: NIL

**INTERNATIONAL EXPOSURE: NIL**

**AREA OF SPECIALIZATION:**

- Linear and Digital Integrated circuits
- Control Systems
- Modern Control Systems
- Digital Control Systems
- Process Control Instrumentation
- Digital Signal Processing and processor
- Measurements and Instrumentation
- Digital Electronics

**Ph.Ds AWARDED WITH DETAILS: NIL**

**Ph.Ds GUIDING:**

- **Full Time Scholars: NIL**
- **Part Time Scholars : 01**

**SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY: NIL**

**PATENTS PUBLISHED:**

- Recently Published a **PATENT** titled **“SMART MONITORING SYSTEM FOR PLANT GROWTH USING BOT AND CONTROLLING THROUGH IOT”**
- Published a **PATENT** titled **“DEEP LEARNING ANALYTICAL MONITORING OF IOT BASED SMART VEHICLES TO AVOID CYBER ATTACKS”**.
- Published a **PATENT** titled **“AUTOMATED AIR QUALITY MONITORING SYSTEM IN REAL TIME CABIN ENVIRONMENT AND ENHANCED DRIVER HEALTH”**
- Published a **PPATENT** titled **“IDENTIFICATION OF LEAD METAL CONCENTRATION IN AGRICULTURAL SOIL USING IOT & AI BASED ROBOTIC VEHICLE”**.

**NPTEL**

- Completed ONLINE Course titled **“Internet of Things (IOT)”** in NPTEL
- Completed ONLINE Course titled **“Outcome Based Education (OBE)”** in NPTEL

**COURSES CERTIFIED:**

**NIL**

**ACHIEVEMENTS AND AWARDS:**

- Secured a **BEST TEACHER AWARD (2015-2016)** for publishing **JOURNAL PAPER IN ANNA UNIVERSITY ANNEXURE II** with a **cash prize of Rs.9500/-** by Saveetha Engineering College, Chennai.
- Secured a **BEST TEACHER AWARD (2016-2017)** for publishing **2 JOURNAL PAPER IN ANNA UNIVERSITY ANNEXURE I** with a **cash prize of Rs.32000/-** by Saveetha Engineering College, Chennai.
- Secured a **BEST TEACHER AWARD (2019-2020)** for publishing **2 JOURNAL PAPER IN SCOPUS INDEXED** with a **cash prize of Rs.7000/-** by Saveetha Engineering College, Chennai.
- Secured a **BEST TEACHER AWARD (2021-2022)** for publishing a patent titled **“SMART MONITORING SYSTEM FOR PLANT GROWTH USING BOT AND CONTROLLING THROUGH IOT”** by Saveetha Engineering College, Chennai.

**SPECIAL SESSIONS DELIVERED: NIL**

**CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:**

- Presented the paper titled **“MODELING AND CONTROL OF GREENHOUSE SYSTEM”** organized by National Institute of Technology, Tiruchirappalli on 27-29<sup>th</sup> **September 2014**.

- Presented the paper titled “**MODELING OF GREENHOUSE SYSTEM USING ADAPTIVE NEURO-FUZZY INFERENCE SYSTEM (ANFIS) TECHNIQUE**”, Springer International Conference on Soft Computing Systems (ICSCS-2016), Noorul Islam Centre for Higher Education, Kanyakumari.
- Presented paper titled “**ANN BASED MODELING AND CONTROL OF GHS FOR WINTER CLIMATE**”, IEEE International Conference on Trends in Industrial Measurements and Automation (TIMA-2017), MIT campus, Anna University, Chennai.
- Presented paper titled “**HEAD MOTION CONTROL WHEELCHAIR**”, International E-Conference on Science and Technology for Environmental Enhancement and Public Health (ICSTEEP 2020), Easwari Engineering College, Chennai
- Presented the paper titled “**OBSERVATION BASED FAULT DETECTION FOR NETWORKED CONTROL SYSTEM**” organized by Sethu Institute of Technology, Madurai on 18<sup>th</sup> April 2008.
- Presented the paper titled “**ANTI THEFT SECURITY SYSTEM FOR AUTOMOBILES**” organized by K.L.N. College of Engineering, Madurai on 16<sup>th</sup> April 2010.

#### **Workshops / Seminars / FDPs Attended:**

<b>S.No</b>	<b>Course Name</b>	<b>Organisation</b>
1	Virtual Instrumentation	CEG, Anna University, Chennai
2	Innovative Teaching & Learning Methods	K.L.N College of Engineering, Madurai
3	Teaching Methodology	Wipro Mission 10X
4	Intelligent Modeling and Control Using MATLAB and LABVIEW	Easwari Engineering College, Chennai
5	VLSI Design Techniques & Applications	K.L.N College of Engineering, Madurai
6	Modern Control Systems	K.L.N College of Engineering, Madurai
7	Women in Science & Technology	CEG, Anna University, Chennai
8	Intelligent Control Using MATLAB	Kumaraguru College of Technology, Coimbatore
9	Trends in Process Control	IIT, Madras
10	Advanced Process Control	National Institute of Technology, Tiruchirapalli
11	Journal Writing for all Researchers	Saveetha Engineering College, Chennai
12	Linear Integrated Circuits	Easwari Engineering College, Chennai
13	Process Control, Systems and Dynamics	A.C Tech, Anna University, Chennai
14	Control Systems	Easwari Engineering College, Chennai

15	Teaching Learning Process	IIT Bombay
16	Teaching Learning Process	IUCEEE
17	Universal Human Value	AICTE
18	Digital Image Processing	St.Joseph's College of Engineering
19	Renewable Energy	Easwari Engineering College, Chennai
20	Bio Inspired	Easwari Engineering College
21	Advanced Green Computing Technology in Healthcare	Saveetha Engineering College

**PROFESSIONAL MEMBERSHIPS:**

ISTE (Life Member)

**Skills:**

Programming knowledge in C, C++, MATLAB.

Knowledge in MS Office, OrCAD PSpice, Origin, LabVIEW, LaTeX.