

Faculty Profile



Dr. Arun Pradeep , M.E., Ph.D
Associate Professor, Dept. of ECE

HIGHLIGHTS:

- Number of Journal Publications: 19
- H-Index: 3
- Project Funding Received: Nil
- Patents Published: 10

PROFESSIONAL LINKS:

- Scopus ID: 57266844300
- Scopus Link: <https://www.scopus.com/authid/detail.uri?authorId=57266844300>
- Google Scholar ID:
<https://scholar.google.com/citations?user=JMHapBMAAAAJ&hl=en>
- Anna University Faculty ID: 2122700
- AICTE Faculty ID: 1-26468900665
- Anna University Supervisor ID: N.A.
- LinkedIn: <https://www.linkedin.com/in/arun-pradeep-36254535/>

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 13
- Industrial Experience: 2

INTERNATIONAL EXPOSURE:

1. Presented a paper on ***“Automated Detection of Retinal Hemorrhage Based on Supervised Classifiers and Implementation in Hardware”***. SMARTCOM 2020, 24-25 January 2020, Bangkok, Thailand.
2. Participated and Networked in the “ICATEM 2024”, March 2024, Dubai, UAE.

AREA OF SPECIALIZATION:

- Embedded Systems, Machine Learning

SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY:**PATENTS PUBLISHED/GRANTED:**

02/09/2025	IPIndia	AI-Based Plant Leaf Detection Device Using Image Processing	Granted	472080-001
11/02/2025	IPIndia	Smart Sensor for Liquid Level and Temperature Monitor	Granted	447626-001
11/02/2025	IPIndia	IoT-Enabled Digital Micrometer	Granted	447625-001
15/11/2024	IPIndia	Detection of Dental Disease Using Convolutional Neural Network (CNN)	Published	202441085313 A
13/05/2024	IPIndia	Napkin Incinerator	Granted	416626-001
13/05/2024	IPIndia	Air Quality Monitor	Granted	416628-001
13/05/2024	IPIndia	Oxygen Level Monitor	Granted	416627-001
06/08/2023	IPIndia	Smart IoT-Based Electric Vehicle Charging Station	Granted	392043-001
04/08/2023	IPIndia	Climate Forecasting Device	Granted	391919-001
29/05/2023	IPIndia	Agricultural Robot	Granted	387239-001

COURSES CERTIFIED:

1. **Certified Trainer in QNX Real Time Operating Systems**, Blacberry-Pi-Square Systems, 2025
2. **Python for Data Science, AI & Development**, IBM course through Coursera, 2024
3. **Exploratory Data Analysis for Machine Learning**, IBM course through Coursera, 2024
4. **Introduction to Data Engineering**, IBM course through Coursera, 2024
5. **Introduction to Relational Databases (RDBMS)**, IBM course through Coursera, 2023
6. **Supervised Machine Learning: Regression**, IBM course through Coursera, 2023

SPECIAL SESSIONS DELIVERED:

1. **Conducted a Workshop on "Open Minds: Creative Writing and Lateral Thinking"** at Saveetha Engineering College, Chennai, Tamil Nadu, Jan 2024.
2. **Presented a session on "The Art and Science of Journal Paper Writing"** at Universal Engineering College, Trissur, Kerala. June 2022

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

1	FDP by ICT Academy	SRM Ramapuram	4-10 th March 2026
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2	FDP on Industrial IOT	MVJ College of Engineering	6 th -10 th June 2023
3	Energy Simulation for Compliance	Energy Management Kerala	8 th ,9 th June 2023
4	IEEE Conference Organisers Workshop	CUSAT, Kerala	25 th March 2023
5	AICTE Sponsored FDP	Universal Engineering College	23 rd August 2022
6	An Introduction to Peer Review	Web of Science, Clarivate	6 th June 2021
7	Mentoring in Peer Review	Web of Science, Clarivate	7 th June 2021
8	Reviewing in the Sciences	Web of Science, Clarivate	8 th June 2021
9	FDP on Wireless Communication Technologies;	AICTE Training And Learning (ATAL) Academy	21-25 June 2021
10	FDP on Deep learning	AICTE Training And Learning (ATAL) Academy	5 th – 9 th July 2021
11	National Level Faculty Development Program	Noorul Islam Centre for Higher Education and ITK Education Services	24-28 August 2020
12	KTU Sponsored FDP on Essential Mathematics for Engineering	KTU, CET Campus, Kerala	Nov, Dec 2016
13	Emerging Trends in Embedded System	Sahrdaya College of Engineering and Technology	December 2015
14	KTU Sponsored FDP on Research Methodology	Government Engineering College, Thrissur	July 2015
15	Advanced Applications on Digital Signal Processing Using MATLAB	IES College of Engineering	August 2014
16	FDP on Embedded Systems	Axis College of Engineering	February 2014
17	National Level Workshop on Reality of Fuzzy Logic in Industries	Sun College of Engineering, Tamil Nadu	August 2011
18	IEEE Seminar on Nano Scale Modelling	Francis Xavier Engineering College, Tamil Nadu	October 2010
19	Data Warehousing and Mining	Noorul Islam University, Tamil Nadu	October 2010

PROFESSIONAL MEMBERSHIPS:

- IEEE Member
- ISTE lifetime member