

**PIRIYADHARSHINIS**

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**OBJECTIVES:****EXPERIENCE: 11.5 YEARS**

To seeking a responsible post of Assistant Professor for giving the practical knowledge which makes the student's carrier progressive.

**EDUCATIONAL QUALIFICATION:**

EXAMINATION	NAME OF THE INSTITUTION	MONTH & YEAR OF PASSING	PERCENTAGE
PH. D (Image Processing)	ANNA University, Chennai	January 2022(Registered)	Currently Pursuing
M.E(VLSI)	KINGS College of Engineering, Punal kulam, (Anna University)	2010-2012	8.65 (CGPA)
B.E (ECE)	P.R.Engineering college, Thanjavur.(Anna University)	2003-2007	73%
H.S.C	Sacred Heart Girls Hss, Thanjavur	March, 2003	82.44%
S.S.L.C	Sacred Heart Girls Hss, Thanjavur	March, 2001	88%

**WORK EXPERIENCE: (11.5 YEARS)**

1. Institution : Sastra University, Thanjavur  
Designation : Lecturer  
Period : **1 year (1st June 2008 – 30<sup>th</sup> April 2009)**
2. Institution : Aksheyaa College of Engg , Chengalpat.  
Designation : Assistant professor  
No of years : **3 years (18<sup>th</sup> June 2012 to 8<sup>th</sup> May 2015)**
3. Institution : Mohamed sathak AJ College of engineering  
Designation : Assistant professor  
No of years : **7.5 years (6<sup>th</sup> January 2016 to till date)**

## **ACADEMIC DETAILS:**

### **SUBJECT HANDLED:**

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- Control system Engineering
- Digital signal processing
- Transmission lines and RF systems
- Antenna and Microwave Engineering
- Digital Principle and system design
- Speech processing
- Communication Networks
- Electronic circuits II
- Satellite communication
- Radar and Navigational aids

### **ACIEVEMENTS**

- Participated in National level conference on “Energy Efficient Computing” (EEC’11) Organized by VIT University, Vellore. I Received **Merit certificate** (First position) for best project.
- Got Result achiever award in the academic year 2014-2015 in the subject **Electronic Devices – 100%** in Akeshyaa College of engineering.
- Got Result achiever award in the academic year 2017-2018 in the subject **Speech processing – 100%** in MSAJCE
- Got Result achiever award in the academic year 2018-2019 in the subject **Antenna and wave propagation – 90%, Speech processing – 90%** IN MSAJCE

### **ROLES AND RESPONSIBILITIES:**

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#### **Academics Responsibility:**

- As Class Co-ordinator for UG students, Project guide for UG students.
- In-charge of communication lab, electronics devices and circuit’s lab.
- Examiner for Central valuation for Nov/Dec 2014 Examination in “University College of Engineering” Tindivanan Anna university.
- Examiner for Central valuation for 2016,2017,2018,2019,2021 years Anna university Examination in different institutions.
- Guided different project for final year students every year.

#### **Additional Responsibility:**

- Stage management for the college programs, coordinator for the symposium – Events. Cultural Co-coordinator.
- Department Alumni coordinator and CMS Coordinator of ECE Department.
- Proposal has to be sent DRDO regarding funded seminar on Radar and Antenna applications.
- Involvement participation in College admission activities.
- Submitted two seminar proposal in TNSCST and got fund and conducted the Events

## **INPLANT TRAINING:**

Institution/Industry : SPIC (Southern Petro Chemical Industries & Corporation Ltd),  
Tuticorin.  
Period : 10 Days  
Description : Undergone the Department of Instrumentation.

## **PROJECTS:**

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### **Academic Project (BE-ECE):**

Project Title : Network Discovery and alarm correlation  
Duration : Two Months  
Front end : Java  
Back end : Sql  
Company Name: WIPRO Technologies, Chennai.

### **Academic Project (ME-VLSI):**

Project Title : FPGA-Based Image Acquisition And  
Processing System Based On Arm  
Duration : 1 year  
Front end : FPGA (VHDL & VERILOG)  
Back end : ARM 7(Embedded)

### **Internal Project:**

Done Automatic Hand sanitizer Dispenser using Arduino

## **PUBLICATIONS:**

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- Published **Patent** on the Title “Design a Micro Strip Patch for Spectrum Utilization in Cognitive Radio Networks. Application No.202241071307 A, Publication Date : 16.12.2022
- Published **Patent** on the Title “Priority Based Multiport Simultaneous Wireless Charging Methods on Electric Vehicles. No: 202241063890 A, Publication Date : 25.11.2022,
- Published **Book Chapter** on “Chapter 10 The Design of Ku Band SIW Slot Antenna Array Used for IoT Applications. On **21/03/2022 IP: 120.101.47.253**.
- Published a **Paper** Automatic Detection of Invasive and Non Invasive Lobules of the Breast in Mammogram Images Turkish Journal of Physiotherapy and Rehabilitation; 32(3) ISSN 2651-4451 | e-ISSN 2651-446X E.(2021) Dhiravidachelvi1, S. Priyadarshini5, (**Scopus Index**)
- Published a **Paper** on a **Scopus Index journal**- “Automatic Detection of Micro aneurysm in Retinal Images” Journal Name-Journal of Pharmaceutical Science and Research 2017, Vol 9(1) ISSN No:0975-1459. E. Dhiravidachelvi1, S. Priyadarshini4
- Published a **Paper** on an AIIS Journal of Advances in Electronics and Communication Engg, Vol. 4, Issue.2, Jul –Dec.2016 “Tracking and Detection of Automatic Vehicle Locking Mechanism for Negligence of Insurance Payment Suganthi, I.S., Jayanthi, E.1, Piriadarshini, S. and Sabithabanu, K.
- Published a **Paper** on a AIIS Journal of Advances in Electronics and Communication Engg, Vol. 4, Issue.2, Jul –Dec.2016 “FPGA Based Image Acquisition and Processing System Based On Arm” Piriadarshini, S.

## ACDEMIC ACTIVITIES:

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- Participated in 5<sup>TH</sup> International Conference On Emerging Trends In Engineering And Technology [ICETET-2023]), presented a paper “Deep Learning Model Non -Invasive Diagnosis Of Plant Health Characterization Using Enhanced Multiview Stereo Spectral Imaging Approach”. on 20-04-2023 in St. Joseph College of Engineering, Chennai, Tamil Nadu
- Participated in 5<sup>TH</sup> International Conference On Emerging Trends In Engineering And Technology [ICETET-2023]), presented a paper “Sea-Wave Border Alert System Implementation Of Machine Learning Algorithm & RSSI”. on 19-04-2023 in St. Joseph College of Engineering, Chennai, Tamil Nadu
- A Attended 7 DAYS Anna university Sponsored FDP on “EC8702 Ad-Hoc and Wireless Sensor Networks” St.Joseph’S college of Engineering from 27.06.2022 to 02.07.2022.
- A Attended 7 DAYS Anna university Sponsored FDP on “**EC8093 Digital Image Processing**” St.Joseph college of Engineering from 07.06.2021 to 12.06.2021.
- **Courses Completed in NPTEL Swayam: 1. Internet of Things,2: Computer networks and Internet Protocol. Got Elite certificate.**
- Attended, Two Online FDP Programs conducted in ATAL
- Smart Sensors Based Industrial Automation and Healthcare Technology" from 2021-06-07 to 2021-06-11 at P.S.R Engineering College.
- FDP on " Innovation in Telemedicine in Rural India enabled by advancements in Artificial Intelligence, Medical Devices and Internet of Things" from 2021-06-15 to 2021-06-19 at R.M.K. Engineering College.
- Attended Online Training Program in NITTTR on "Engineering Applications using MATLAB Programming" Conducted by this Institute from 13.12.2021 to 17.12.2021 (One Week)
- S. Piriyadharshini and S.Jeeva ,” Hub and Spoke monitoring using MPLS”, National Conference on Emerging Technologies in Smart city (NCETS 2019),IEEE students Branch of SRM Institute of Science and Technology, Ramapuram, Chennai on 03-04-2019.
- Participated in A National Level technical conference (FIRCA- 2K18), presented a paper “L-BAND Micro Strip Antenna for wearable Applications”. on 24-03-2018 in B.S.Abdur Rahman Crescent Institute of Science and technology, Chennai.
- Attended a National Workshop “**Innovative Antenna Design**” conducted by Prathuyusa Engineering College
- Attended 7 DAYS Anna university Sponsored FDP on “**Signals and Systems**” Conducted by S.A Engineering College.
- Attended a Workshop on “**LASER scattering Techniques using LASER SENSOR**” conducted by MSAJCE.
- Participated in A National Level technical conference (NCRTCE-16), presented a paper “FPGA based Image acquisition & Processing System Based on ARM”. (09-09-2016) in Sree Sastha college of Engineering, Chennai.
- Participated in International Conference on “Networks, Intelligence and Computing Technologies” (ICNICT’11) Organized by Department of Computer Science Karpagam University, Coimbatore, India.
- Participated in National level conference on “Energy Efficient Computing” (EEC’11) Organized by VIT University, Vellore. I Received **Merit certificate (First position)** for best project.

- Participated in the National Level Workshop on “High performance System Using XILINX and MATLAB” (2 days) presented by COREEL TECHNOLOGIES, Bangalore. (ME)
- Attended one-day seminar presented by ISRO, Bangalore. About remote sensing and image processing.
- Attended Many online certification Programs in the year 2019, 2020 and 2021.

#### **PERSONAL DETAILS**

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Husband's name	: Mr.R.Venkatesan
Date of birth	: 29.04.1986
Gender	: Female
Languages known	: Tamil& English
Nationality	: Indian
Marital status	: Married

#### **Declaration:**

I hereby declare that the information furnished above is true and correct to the best Of my knowledge and belief.

Date: 04.05.2023

Place: Chennai.

**(PIRIYADHARSHINI S)**

