

## Faculty Profile

**Aravind P**, Assistant Professor (Senior Grade)

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<b>Educational Qualification</b>			
<b>Degree</b>	<b>Class &amp; %</b>	<b>Institution</b>	<b>Year</b>
M.E. VLSI Design	First Class with Distinction & 9.3	Bannari Amman Institute of Technology, Sathyamangalam	May 2011
B.E. ECE	First Class with Distinction & 77%	Dr.Mahalingam College of Engineering and Technology, Pollachi	April 2009

<b>Experience</b>			
<b>Name of the College</b>	<b>Designation</b>	<b>Period</b>	<b>No. of. Years</b>
Kamaraj College of Engineering and Technology, Virudhunagar	Assistant Professor	May 2011 to till date	8 years 2 months

### Area of Specialization

- Embedded system
- VLSI design
- Machine Learning

### Publications

1. Mr.P.Aravind , Ms.R.Uma, “Enhanced Privacy ID for Remote Authentication using Anonymous Attestation Scheme” in International Journal of Computer Science & Mobile Computing ,Volume 3,Issue 2, Feb 2014 (ISSN :2320-088X)
2. Mr.P.Aravind , Ms.G.A.Jenifer Angel Mary, Ms.G.Kavibharathi and Ms.B.Prathiba, “IOT based air quality monitoring system” in International Journal of Emerging Technologies and Innovative Research, Volume 6, Issue 5, May 2019 (ISSN : 2349-5162)

### Conferences

1. Mr.P.Aravind, “Privacy Preserving for data storage security in Cloud Computing” in the National Conference of Recent Trends in Information Technology at SA Engineering College, Chennai.

2. Mr.P.Aravind, “Design and Implementation of Minimum Value Generator for LDPC decoder design” in the National Conference of Signal Processing and Communication in SNS College of technology, Coimbatore.
3. Mr.P.Aravind, Ms.R.Uma, “Enhanced Privacy ID for Remote Authentication using DAA Scheme” in the National Conference on computing & Application on 19<sup>th</sup> March 2014 at National Engineering College, Kovilpatti.
4. Mr.P.Aravind, Ms.T.Abinaya, Ms.S.Suganya, ”Zigbee Module Based Wellness Determination of Elderly Based on Daily Activities in Electronics & Communication at Sri vidhya College of Engineering & Technology on 20<sup>th</sup> April 2013.
5. Mr.P.Aravind, Ms.M.Kalaiarasi, Ms.K.Ramalakshmi Ms.K.Sangeetha Lakshmi, “Automatic power generation using renewable Energy & Accident Prevention in Blind Curve using Zigbee “ in ATMEL Embedded Design contest, held at Pune, on 3<sup>rd</sup> April 2015.

#### **FDP/Seminar/workshop/Short Term Course Attended**

1. “Labview Real Time &FPGA Course” organized by NI at National Instruments, Bangalore from 25<sup>th</sup> to 28<sup>th</sup> June 2012.
2. Faculty Development Training Programme on “EC 2253 –Electromagnetic fields at Rajalakshmi Engineering College from 26<sup>th</sup> Nov to 2<sup>nd</sup> Dec 2012.
3. Faculty Development Training Programme on “EC 2403 – RF & Microwave Engineering at REC from 5<sup>th</sup> to 11<sup>th</sup> Jun 2013.
4. ISTE – SRM Short Term Training Programme on “Theory &Design of RF communication links” from 03<sup>rd</sup> to 09<sup>th</sup> June 2013.
5. “Feel Teacher” Program by CLHRD at Kamaraj College of Engineering and Technology, Virudhunagar from 08<sup>th</sup> to 10<sup>th</sup> July 2013.
6. “Communication English” organized by Col’s caliber at Kamaraj College of Engineering and Technology, Virudhunagar from 18<sup>th</sup> to 30<sup>th</sup> November 2013.
7. Faculty Development Program “INSPIRE” organized by Axis –v at Kamaraj College of Engineering and Technology, Virudhunagar on 6<sup>th</sup> & 7<sup>th</sup> Feb 2014.
8. Faculty Development Workshop on “Networks & Cyber security” organized by Warwick Manufacturing Group (WGM) & ITMR, Chennai at Kamaraj College of Engineering and Technology, Virudhunagar from 09<sup>th</sup> to 13<sup>th</sup> June 2014.

9. Faculty Development Training Programme on “EC 2402- Optical Communication & Networks at Dhirajlal Gandhi college of Technology, Salem from 23<sup>rd</sup> to 29<sup>th</sup> June 2014.
10. Two day Workshop on ”Introduction to Robotics” organized by IIT Bombay at Sona College of Technology, Salem on 31<sup>st</sup> July & 1<sup>st</sup> August 2014.
11. Participated in a 3 Day Workshop on Biometrics Image Processing & Video Analytics on 27,28 Nov & 1st Dec 2014 by Dept of IT, Kamaraj college of Engineering & Technology.
12. Participated in an “Five day Training Program on LabVIEW Core 1 & Core 2” from 23<sup>rd</sup> to 27<sup>th</sup> June 2015 at Kamaraj College of Engineering & Technology.
13. Participated in the “Engineering Education & Research Seminar” at Madurai on 10<sup>th</sup> September 2015, conducted by National Instruments, India.
14. Participated in a 7 days Anna University approved FDTP on VLSI Design in NEC, Kovilpatti in the month of June 2016.
15. Participated in a three Day FDP on “IOT for Industrial Application” from 7th – 9th December 2017 at Rajalakshmi Institute of Technology, Chennai
16. Participated in a 5 day FDP on “CAD Tools with FPGA Boards” from 21st to 25th May 2018 at MEPCO, Sivakasi
17. Certified as "NLP Practitioner" by International Association of Professional Coaches, Counselors, and Therapists (IAPCCT) as participated in a 6 days program organized by Punch Gurukulam on 22,23,24 February 2019 & 12,13,14 July 2019

#### **Conference/Symposium/FDP/Seminar/workshop/Short Term Course Organized**

1. Hands on Training in “PCB Design and Fabrication” for II and III year students during the 28, 29 Jan 2015 and 11,12 & 13 February 2015.
2. Hands on Training in “ATMEL XMEGA MICROCONTROLLER” for II and III year students during 12, 13 & 14 December 2014.
3. Hands on Training in “PCB Design and Fabrication” for II students during the 10 & 11 September 2016.
4. Two Days Hands on Workshop in “Mobile App Development with Arduino” on 17.11.2016 & 21.11.2016 for IV year students of ECE.

## **Resource Person / Jury / Lectures Delivered**

1. Three days Hands on Training in “Arduino Microcontrollers for Beginners” organized by Department of ECE, Kamaraj college of Engineering and Technology, from 26 – 29 February 2016.
2. Five day FDP on “Digital Signal Processing using LabVIEW” organized by Department of EIE, Kamaraj college of Engineering and Technology, from 30 Nov to 04 December 2016.
3. A Seminar on “Industrial Automation” in a Symposium Organized by Department of Mechanical Engineering, Kamaraj college of Engineering and Technology.
4. Acted as a resource person for one day IEEE sponsored National workshop on “Communication System Design using LabVIEW” on 1<sup>st</sup> April 2017, organized by Department of ECE of Dr.Sivanthi Aditanar College of Engineering.

## **Membership**

- ISTE Member
- IETE Member

## **Certification**

1. Cleared CLAD exam in LabVIEW and Certified as a LabVIEW Associate Developer .
2. Awarded “Grade C” in Business English certificate Vantage.
3. Completed a IBM software Training under the career Education program on “IBM Cyber Security”
4. Certified "NLP Practitioner”

## **Subject Expert**

- Digital Electronics
- Electromagnetic Fields
- Optical Communication & Networks

## **Internship Details:**

1. Participated in a 5 Day Internship Program on “Raspberry Pi Programming” from 30<sup>th</sup> May to 04<sup>th</sup> June 2018 in Silicon Software services, Madurai.
2. Participated in a Internship Program on “Digital Design & Verilog” through e- Box, in Amphisoft Technologies, Bangalore from 10<sup>th</sup> to 17<sup>th</sup> December 2018

**Details of Guided Student's Funded Projects:**

S.No	Student Members	Title	Funding Agency	Academic Year
1	F.Preethi M.Bhuvanamalini I.J.Divya Prasanna	Zigbee based UV-IR Flame detection for security Purpose.	Texas Instruments Innovation Challenge 2014	2013-2014
2	P.Rajan P.Ramadurai J.Sivakrishnan S.Surendran	Privation Wireless Speaker	Texas Instruments Innovation Challenge 2014	2013-2014
3	M.Kalairasi K.Ramalakshmi K.Sangeetha lakshmi	Automatic power generation using renewable Energy &Accident Prevention in Blind Curve using Zigbee	ATMEL Embedded Design Contest - 2014	2014-2015
4	R.Elakia Selvi R.Maheswari K.Shanmuga valli	Industrial Sewage water Quality Monitoring System	Texas Instruments Innovation Challenge 2015	2014-2015
5	B.Raveena R.Ramaprabha	SPL Meter for Testing dB level of crackers in Fireworks Industies	ATMEL Embedded Design Contest - 2015	2015 – 2016
6	J.Harigopinath A.Vignesh Babu K.Vasanth	Incredible e - car	ATMEL Embedded Design Contest - 2015	2015 – 2016
7	M.SathyaPriya, S.Nithya	Wireless Adaptive Lighting With Waste Management And Pollution Mointoring System	TI Design Contest 2017	2016 -2017

**Details of Guided Student's Industry Project:**

1. "Tool Creation for Flight Data Analysis using MATLAB" in HAL, Bangalore in the academic year 2015 – 2016.