



ANJU V.SATHYAN

Address: Madhavavilasom,
Naduvathucherry, Chavarasouth P.O,
Kollam, Kerala, India
Mobile: +91 8281171094
Email:anjuvsathyan9@gmail.com

Career Objective

Seeking a teaching position to utilize my technical skills and expertise in the field of Electronics, Instrumentation, Communication and Signal Processing that offers professional growth while being resourceful, innovative and flexible.

Experience

- **Assistant Professor**

Department of Instrumentation
CUSAT.

Duration: 2 semester (01/07/2019 – Till continuing.)

Subjects Handled: Digital Electronics

Analytical Methods and Instrumentation ,MEMS

Lab : Sensor Technology Lab

- **Assistant Professor**

Department of Electronics
Govt. IHRD College of Engineering
Chengannur, 689121

- Duration : 1 Semester (01/08/2018 TO 05/12/2018)

2 Semesters (11/07/2017 TO 17/04/2018)

2 Semesters (11/07/2016 TO 17/04/2017)

2 Semesters (07/07/2015 TO 29/04/2016)

Subjects Handled: Digital Image Processing, Process Instrumentation, Industrial Instrumentation I & II, Logic Circuit Design, Biomedical Instrumentation, MEMS, Logic and Distributed Control System, Distributed Control System

- Lab : Electronic Circuits 1 lab, Electronic Circuits 2 lab, Logic Circuits design, Sensors and Transducer Lab, Digital Signal Processing Lab
- Co-ordinated 6th semester B Tech mini project, 8th semester B.Tech Project.

- **Tutor STEP 4 U**

College of Engineering Trivandrum(CET)

- Duration : 2 Semester
- Subjects Handled: Linear Integrated Circuits
Solid state Devices
Electromagnetic Theory

Technical Skills

C, C++, MATLAB, Lab View, Micro Controller, Express PCB

Educational Qualification

2012-2014

M.Tech

Sree Chitra Thirunal College of Engineering, Thiruvananthapuram

- M.Tech in Signal Processing
- CGPA:8.55
- First Class

B.Tech

2008-2012

Baselios Mathews II College of Engineering, Kollam

- B.Tech in Applied Electronics and Instrumentation Engineering
- CGPA:7.69
- First Class

Higher Secondary

2006-2008

Guhanandha Puram Higher Secondary School, Kollam

- Science Stream, HSE Board, Kerala
- 90.33%

- Distinction
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Secondary School Leaving Certificate

2006

Guhanandha Puram Higher Secondary School, Kollam

- S.S.L.C, Public Examinations, Kerala
- 91.18%
- Distinction

Training

- Basic Telecom Technology in BSNL
- DCS and PLC in YAKOGAWA
- SCADA and PLC in PROLIFIC
- Lab VIEW in NATIONAL INSTRUMENTS

Projects Undertaken

M.Tech Project

Aiding System Using Static Sign and Speech Signal Recognition for Hearing and Speech Impaired

This system enables hearing and speech impaired people to further connect with society and aids them in overcoming communication obstacles created by the society's inability of understanding and expressing sign language.

B.Tech Main Project

Monitoring and Control System for Process Equipments in Nuclear Power Plants

This proposed system will predict the right time of replacement of the process equipments and it can also be used as a fault prediction system.

B.Tech Mini Project

Safe Zone Vehicle Speed Controller

In our road rules some speed limitations are used. In this proposed system, the vehicle enters a safe speed zone like school at that time vehicle speed will automatically slow down and if it covers that zone the speed will automatically increase.

Seminars Undertaken

- **M.Tech Seminars**

1. **Array of Capacitive Force Sensor Based Tension Measurement in a String**

The measurement of tension in strings and soft tissues is of critical importance in many applications, including orthopedic surgeries. This seminar presents two new sensors to estimate tension in strings without the need for attaching any devices on the string or need for an inertial reference.

2. **WLAN Devices Location Based on OFDM Signal Time Synchronization**

This Seminar addresses the problem of indoor location for devices that are connected to WLAN. Location of these devices is of utter importance. Using advanced signal processing techniques of the baseband OFDM signal, a better solution is obtained.

- **B.Tech Seminar**

1. **Dynamic Characteristics of Pneumatic Flow Control Valve**

This seminar aims at the development of new flow control valve that has a light weight and simple structure can control flow-rate continuously. This valve uses piezoelectric transducer.

- **Other Seminar**

Taken a Class on Biomedical Instrumentation and Biomedical imaging in SJM Hospital, Kollam and covered the topics of Pulse Oximeter and Biomedical imaging techniques.

List of Journals

1. Anju V.Sathyan, Bindu.V, “Image and Speech processing algorithms based aiding system for Deaf and Dumb People.” International Journal of Advanced Engineering and Research Design, Vol 1, issue 5, may 2014.

List of Conferences

1. Anju V.Sathyan, Bindu V.,”Aiding System for Deaf and Dump People Using Image And Speech Processing Algorithms ”,International Conference on Recent Trends in Engineering, Technology and Management (ICRTEm),at Mount Zion College of Engineering, July 2014.

Achievements

Consistent academic record in all the examinations. School topper in S.S.L.C and H.S.E exams, I have passed all subjects in B.Tech without any break in the first attempt itself by scoring CGPA of 7.69.

- Won many Prizes for Academic performances.
- Won A- Grade and second prize in Eloquution competition at Sub District Youth Festival Held at Chavara.
- Won many Prizes for Elocution, Monoact, Essay writing, etc in school youth festivals.
- Participated the Best Engineer Competition in College Technical Fest.
- Attended a National Seminar on Emerging Trends in Cyber Security.
- Attended two weeks training course on Basic Telecom Technology conducted by BSNL

Personal Profile

- Date of Birth:20/05/1991
- Gender: Female
- Marital Status: Married
- Nationality: Indian
- Languages Known : English, Malayalam, Hindi
- Religion: Hindu
- Strengths: Hard Working and Dedicated, Sincere, Positive Thinker ▪ Hobbies: Writing, Reading

References

1. Dr. Shaji Senadhipan, Director, LBS Centre, Thiruvananthapuram. Contact No: 9447490572
2. Dr. Jyothiraj V.P, HOD, Department of Electronics ,College of Engineering Chengannur. Contact No: 9847146347
3. Dr. F. V. Albin, Director ,Baselios Mathews II college of Engineering, Lake View, Muthupilakkad P.O, Kollam. Email: fvalbin@gmail.com.
4. Dr. Sheeja M.K., HOD, Electronics and Communication Engineering, Sree Chitra Thirunal College of Engineering, Pappanamcode P.O, Thiruvananthapuram
Email: mksheeja@gmail.com

Declaration

I hereby declare that the information furnished above is true to the best of my knowledge.

Chavarasouth

Anju V.Sathyan

31/10/2020