

SWETHA AJITH

Contact: 9495593397

E-Mail: swethaajith16@gmail.com

PROFILE

- One year of teaching experience as Assistant Professor (guest faculty) in Department of Electronics, CUSAT.
- Eight months of teaching experience as Assistant Professor in Electronics and communication in College of Applied Science (IHRD), koothuparamba.
- **MASTER OF TECHNOLOGY** in **DIGITAL ELECTRONICS** from Malabar Institute Of Technology, Kannur Dist., Kerala with First Class.
- **BACHELOR OF ENGINEERING** in **ELECTRONICS AND COMMUNICATION** from Coorg Institute of Technology, Kodagu Dist., Karnataka with First Class.
- **PLUS TWO** from Anjarakandy Higher Secondary School, Kannur in **2009**.
- **SSLC** from Rani Jai Higher Secondary School, Kuthuparamba in **2007**.

TECHNICAL ABILITIES

Designing Software and IDE knowledge on

- PROTEUS
- Arduino
- MP Lab
- Languages : C & C++ Programming.

PROJECTS

Title: Application to retrieve speech information

Objective:

The project introduces a fascinating triangle of conversion technologies that arise between text, speech and Braille. It is an assistive technology for blind and visually impaired people to gather information. The information given through speech is converted to its text form and finally to its Braille form for the smooth accessibility

Title: Black-box for vehicles

Objective:

A model of black-box was developed that help in identifying the cause of traffic accidents. It monitors several parameters of the vehicles systems and continuously records and erases information so that a record of the most recent 10 seconds period is always available. The information recorded helps in the investigations of the causes of crash and makes it possible to identify and address safety problems in a better way.

Title: No Reference Image Quality Assessment Using Expert Convolutional Neural Network

Objective:

Measuring the quality of distorted images without referring the original images using CNN, also a distortion type classifier is introduced to identify the distortion type of the input image. Project is of great importance in image processing, compression, and transmission.

PAPER PRESENTATION

- Presented a paper on New Application to retrieve speech information in the International conference on computer communications and networks.

INTERNATIONAL CONFERENCES

- Participated in the International Symposium on Ocean Technology (SYMPOL) on December2019.
- Participated and presented a paper on New Application to retrieve speech information in the International conference on computer communications and networks on May2015.

WORKSHOP

- Attended workshop on **UNDERSTANDING THE CAPABILITIES AND LIMITATIONS OF THE SDSC DEVELOPMENT ENVIRONMENT** at Department of Electronics, CUSAT.
- Attended faculty development program on **EMERGING TRENDS IN SIGNAL PROCESSING** at College of engineering, Thalassery.
- Attended **VLSI** Workshop at CIT College, Coorg.
- Attended **ARM 7** Technical Seminar at ATME College, Mysore.

WORK EXPERIENCE

- Working as Assistant Professor (guest faculty) in Electronics and Communication in Department of Electronics, **COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY** from **JULY 2019**.
- Worked as Assistant Professor in Electronics and communication in **COLLEGE OF APPLIED SCIENCE (IHRD), KUTHUPARAMBA**.

ACADEMIC OVERVIEW

Year	Discipline	University or Board	College or School	Percentage
2013-2015	ME Digital Electronics	Kannur University	Malabar Institute of Technology	75.4
2009-2013	BE Electronics and Communication	Visweswaraiiah Technological University, Belgaum	Coorg Institute of Technology	65.3
2009	10+2	State Board	A.H.S.S	88
2007	SSLC	State Board	R.J.H.S.S	90+

PERSONAL DETAILS

Date Of Birth	May16, 1991
Father's Name	M.M. Ajith Kumar
Mother's name	Sujatha E.K
Nationality	Indian
Domicile	Kerala
Languages Known	English (Read, Write, Speak) Hindi (Read, Write, Speak) Malayalam (Read, Write, Speak) Tamil (Speak) Kannada (Speak)
Contact Address	Flat No. 1C Orchid Homes Near Subjail Aluva. 683101
Permanent Address	Saswath, PO. Mamba, Palayam Kannur Dist. PIN: 670611, Kerala.