

Anupama Varghese T

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Education

- 2021–Present **Research Scholar**, *Indian Institute of Technology Palakkad*, Palakkad.
Electrical Engineering
- 2011–2013 **Master of technology**, *College of Engineering Trivandrum*, Thiruvananthapuram, *8.73 CGPA*.
Signal Processing
- 2006–2010 **Bachelor of technology**, *Amal Jyothi College of Engineering*, Kanjirapally, *70.16%*.
Electronics and Communication Engineering

Thesis and Seminars

Master thesis

- Title *On-Line Signature Verification Adopting Off-Line Parameters*
- Supervisor Dr. Ciza Thomas
- Description Signature, a behavioural biometric, is difficult to forge along with its dynamic properties. Online acquisition is done using two cameras to get online features such as time taken, velocity and offline features such as width to height ratio, angle between the 2 lines which fit the signature and ratios of some geometrical points in the signature. Created a data base and tested with similar samples. Artificial Neural Network and SVM Classifiers were used.

Seminar 1

- Title *Perceptual Segmentation: Combining Image Segmentation With Object Tagging*
- Description Usual enhancement techniques takes the image entirely. Here object wise enhancement is proposed which needs to segmentize and identify different objects. Some common objects include sky, snow, foliage and skin.

Seminar 2

- Title *Discrete Wavelet Transform-Based Satellite Image Resolution Enhancement*
- Description A resolution enhancement technique has been proposed using bi-cubic interpolation, DWT and inverse DWT.

Experience

2013–2014 **Assistant Professor (Ad-Hoc)**, *College of Engineering Trivandrum*,
6 months Thiruvananthapuram.

- Faculty for 3rd and 4th semester students
- Lecturer for evening B-tech degree courses
- *Step for you* classes for B-Tech students (4 months)

2014–2015 **Ad-Hoc Faculty**, *National Institute of Technology Calicut*, Calicut.
11 months

- Conducted lectures for 3rd and 4th semester students
- Assisted with their lab works

2016-2021 **Freelance Tutor**.

Languages

Malayalam Proficient in oral, reading and writing

Mother Tongue

English Proficient in oral, reading and writing

Computer skills

Matlab Numerical analysis, plotting

ℒ_AT_EX Typesetting of scientific reports

C/ C++ Intermediate programming skill

Python Intermediate programming skill

Gimp Image editing

Achievements

2011 Gate Score of 577

2013 Gate Score of 584

2004 Rashtrapathi Guide

Extra Curricular Activities and Hobbies

- Member of the college drama club (B-Tech)
- Hobbies: Paper crafts, Listening to music, Listening to Malayalam poetry

Reference

○ Dr. Jobin Francis, Assistant Professor, IIT Palakkad,
jobinfrancis@iitpkd.ac.in

○ Dr. Jiji CV, Principal, CET, *jijicv@gmail.com*, +91-94976 79489.

○ Dr. Lillykutty Jacob, Professor, NIT Calicut, *lilly@nitc.ac.in*,
+91-9446732986.