

# Rooji Jinan

☎ (+91) 9744614816 | ✉ roojijinan@iisc.ac.in

## Education

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### Indian Institute of Science

Bangalore, India

PURSUING PHD

2017 - Present

- Course Work CGPA: **9.4/10**
- PhD Area : **Timely Updates for Cyberphysical systems**

### Calicut University

Kerala, India

MASTER OF TECHNOLOGY IN COMMUNICATION ENGINEERING AND SIGNAL PROCESSING,

2013 - 2015

- CGPA: **9.4/10**

### Calicut University

Kerala, India

BACHELOR OF TECHNOLOGY IN ELECTRONICS AND COMMUNICATION,

2008 - 2012

- Percentage: **83.67**
- Secured **University Rank 2** for B.Tech Degree Examinations – ECE (2008-12)

## Courses Taken

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- Random Processes
- Information Theory
- Error Control Coding
- Stochastic Processes and Queuing Theory
- Data Analytics
- Autonomous Navigation
- Topics on Information Theory and Statistical Learning
- Topics on Computation Over Networks

## Academic Projects

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### EEG Signal Based Person Identification

- Implementation of a feature extraction, and classification based on resting state EEG signals to identify a person

### Corner Detection of a Brick

- Design and implementation of an algorithm to detect the corners of a brick observed by a drone camera.

### Particle Filters For Multiple Target Tracking

- Development of an efficient multiple target tracking algorithm using particle filters for a system following nonlinear model in presence of non Gaussian noise.

### Image Quality Assessment

- Development of an efficient algorithm to accomplish Medical Image Quality Assessment and benchmarking of medical imaging equipments.

## Experience

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### Christ College of Engineering

Kerala, India

ASSISTANT PROFESSOR

July 2016 - June 2017

## Skills

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**Designing and Simulation Tools** MATLAB/SIMULINK, Python

## Awards

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- Cisco-CNI PhD fellowship, 2019

## Courses Taught

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### **APJ Abdul Kalam Technological University, Kerala**

*Kerala, India*

ASSISTANT PROFESSOR

*July 2016 - June 2017*

EC 100 Basics of Electronics Engineering  
BE 101-04 Introduction to Electronics Engineering  
EC 110 Electronics Engineering Workshop  
EC 205 Electronic Circuits  
EC 231 Electronic Devices and Circuits Lab  
EC 233 Electronic Design Automation Lab  
EC 202 Signals and Systems

### **Indian Institute of Science**

*Bangalore, India*

TEACHING ASSISTANT

*August 2019 - December 2019*

E2 202 Random Processes