

# RESUME

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## PROFESSIONAL SUMMARY:

- Presently working in CUSAT as guest lecturer.
- One and a half year experience as assistant professor in ECE department in Sahrdaya College of Engineering & Technology, Kodakara
- Worked for three months as Research Assistant in ECE in Toc H Institute of Science & Technology, Arakkunnam

## ACADEMIC PROFILE:

DEGREE	DISCIPLINE	UNIVERSITY/INSTITUTION
ME	Communication Systems	Anna University Sri Shakthi Institute of Engineering & Technology, Coimbatore
B.Tech	ECE	CUSAT Toc H Institute of Science & Technology, Arakkunnam
Plus Two	BIO-MATHS	MKMHSS , Piravom
SSLC	-	FMEMHSS, Piravom

## TECHNICAL SKILLS

Programming Languages : C  
Computer Knowledge : Ms Office  
Simulation Softwares : PSPICE, NS-2  
Assembly languages : 8085, 8086, PIC, ARM

## PROJECT SUMMARY

### **PROJECT-1(B.Tech Mini Project)**

**Project Name** : Color Identifying Robot  
**Team Size** : 3  
**Area** : Embedded System  
**Duration** : 3 months

### **PROJECT-2(B.Tech Major Project)**

**Project Name** : Thermal Imaging for Medical Diagnosis  
**Team Size** : 3  
**Area** : Embedded System  
**Duration** : 5 months

### **PROJECT-3(ME Project Phase-1)**

**Project Name** : Performance Evaluation of Various Routing Protocols in MANET  
**Team Size** : 1  
**Area** : Wireless Networks  
**Duration** : 6 months

### **PROJECT-4(ME Project Phase-2)**

**Project Name** : Energy Efficient Routing Protocol in MANET  
**Team Size** : 1  
**Area** : Wireless Networks  
**Duration** : 6 months

## **ACADEMIC EXCELLENCE**

### **Papers presented in National Conference: 2**

‘Performance Evaluation of Various Routing Protocols in MANET’ – FACE 2011

‘A Comparative Study of various routing protocols in MANET’- ENGGPOS-2011

### **Paper presented in International Conference: 1**

‘Performance Evaluation of Various Routing Protocols in MANET’ – ICACC 2012

### **Papers published in Journal: 2**

‘Performance Evaluation of Various Routing Protocols in MANET’ – An International Journal of Engineering Sciences, dec 2011 vol.5 issue

‘Performance Analysis and Enhancement of Routing Protocol in MANET’-An International Journal of Modern Engineering and Research, Mar-Apr 2012 vol. 2 issue

## **WORKSHOPS ATTENDED**

- Attended a 7 day workshop on PIC microcontrollers at Toc H Institute of Science and Technology, Arakkunnam
- Attended a 3 day workshop on network simulator-2 at SNS College of Technology, Coimbatore
- Attended a 5 day workshop on MATLAB & Signal Processing at Sahrdaya College of Engineering & Technology, Kodakara

### **FDPs ATTENDED**

- Attended a 3 day faculty development programme on “”at Sahrdaya College of Engineering & Technology, Kodakara
- Attended a 2 day FDP on ‘Student Psychology’ at Sahrdaya College of Engineering & Technology, Kodakara
- Attended a 2 day FDP on ‘Educational Psychology’ at Sahrdaya College of Advanced Studies, Pulpparakunnu

### **SUBJECTS HANDLED**

- Digital Signal Processing
- Digital Communication
- Satellite Communication
- Mathematical and computational methods
- Computer networks

### **LABS HANDLED**

- Digital Electronics Lab
- Electronic Circuits Lab
- Microprocessor & Microcontroller Lab
- Analog Electronics Lab
- Computer lab

### **AREA OF INTERESTS**

- Digital Signal Processing
- Digital Communication

### **DECLARATION**

I hereby declare that, the details given above are true and correct to the best of my knowledge and belief.

**Jaya Jacob**