

**NEETHU BALAKRISHNAN****Masters in Applied Electronics**

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**PROFESSIONAL SUMMARY**

- Electronics engineer with over 3+ years of Professional experience in various Electronics departments, has specialization in electronics and Professional guiding experience in Dept.of electronics and communication of various institutions. After relocating to Bahrain I have started working as a Mathematics teacher in Al Noor International School for one month. Due to the closure of schools I am looking for new opportunities.

**WORK EXPERIENCE**

June 2016 – May 2017	Asst. professor in the Dept. of electronics & communication – Nehru Institute of Engineering and Technology, Coimbatore, India.
June 2017 – Sep 2019	Asst. professor in the Dept. of Electronics – Lions Educational Trust college, Kerala, India.

**EDUCATION DETAILS**

Education	Specialization	Year of passing	Institution	Performance
Master of Engineering	Applied Electronics and Communication Systems	2016	Nehru College Of Engineering And Research Centre (Calicut University) India	77.90%
Bachelor of Engineering	Electronic and communication	2014	Prime College Of Engineering, Palakkad (Calicut University) India	75.70%
HSC	Science	2010	MNKMHSS Chittilancherry (Kerala HSE Board) India	83%
SSLC	Science	2008	CGHSS Vadakkencherry	95%

**ACADEMIC PROJECT DETAILS**

Course	Master of Engineering	Team Size	01
Project Name	An Efficient Hack ID Detection With Privacy Preserving Authentication in Wireless Mobile Networks		
Objective	The objective of the project is to detect the hacker and thus preserving the privacy of the users in wireless mobile network		

<b>Description</b>	Detecting the hacker who uses the pseudo id of the mobile devices. A Cluster based hack id detection mechanism is used in the project. Operating System: Fedora ; Programming Language: C++, NS-2		
<b>Course</b>	Bachelor of Engineering	<b>Team Size</b>	04
<b>Project Name</b>	ROUGER		
<b>Objective</b>	This project is aimed at developing a functional prototype implementation of an autonomous weed-cutting robot, able to move continuously within the plant rows and equipped with a cutting device whose width is adapted to the inter row.		
<b>Description</b>	This project is mainly based on the PIC Microcontroller, which process the signal from the signal Transducer and gives the variations and transmit it to the PC serially using zig-bee module. The obstacles are sensed by sensors interfaced with microcontroller. Image processing is done for further confirmation using MATLAB. The weed cutting mechanism will be constituted by blades rotating around a vertical axle attached to a servo motor. Programming Language: Embedded C, Mat Lab		

<b>Course</b>	B.E (Mini Project)	<b>Team Size</b>	04
<b>Project Name</b>	Anti Aircraft Collision Avoidance System		
<b>Objective</b>	The objective of this project is to avoid collisions between aircrafts using Global Positioning System and GSM		
<b>Description</b>	In this project GPS sensor is attached to the aircraft to monitor its current position. GPS receiver receives aircraft latitude and longitude from satellite through GPS antenna. Then position information signal is transmitted through GSM network or mobile. The receiver end mobile is connected with PC. PCs are programmed for watching the aircrafts continuously. If any two aircrafts longitude and latitude comes near then PC gives alert message to both the aircrafts. Programming Language: C		

INDUSTRY TRAINING			
<b>Industry</b>	Keltron Controls , India	<b>Duration</b>	14 Days
<b>Details</b>	Completed two weeks training program at Keltron Controls Aroor, Alappuzha, an electronics industry in India. Acquired knowledge on CIG, PNG, ITG, STSG, CSG, SONAR ARRAYS and PNEUMATIC ACTUATORS		
<b>Industry</b>	BSNL, Palakkad, India	<b>Duration</b>	14 Days
<b>Details</b>	Completed two weeks training program at BSNL, Palakkad on networking and communication. Acquired knowledge on networking concepts, subnetting, modulation techniques, multiple access techniques, CDMA and GSM		

## **WORKSHOPS/PAPER PRESENTATIONS**

- Published a paper “Efficient Hack ID Detection With Privacy Preserving Authentication in Wireless Mobile Networks” in International Journal of Innovative Research in Science, Engineering and Technology, Volume 5, Issue 7, July 2016.
- Presented a paper “RSSI Based Sybil Attack Detection and Malicious Node Identification in Roaming Network” in ICBG 2016 organized by Nehru College of Engineering and Research Centre, Pambady, Thiruvilwamala, Trissur, kerala, india, november 2016.
- Presented a paper “A Comparative Study on Privacy Preserving Authentication in Wireless Mobile Networks” in ICIIECS’16 organized by Karpagam College Of Engineering, Coimbatore, Tamilnadu, India, march 2016.
- Attended one day workshop on “Micro Electro Opto Mechanical System” held at Nehru College Of Engineering And Research Centre, Pampady, Trissur, Kerala,India.
- Attended one day workshop on “Research Methodologies-2015” at Nehru College of Engineering And Research Centre Pampady, Trissur, Kerala, India.
- Attended one day workshop on “LaTeX-An Efficient Documentation tool” organized by Nehru College of Engineering And Research Centre Pampady, Trissur, Kerala, India.
- Presented a paper on “Google’s Project Loon” at Prime College of Engineering Kodumbu, Palakkad, Kerala, India.
- Presented a paper on “7D Aerial Pose Estimation” at Nehru College Of Engineering And Research Centre Pampady, Trissur, Kerala, India.

## **PERSONAL STRENGTHS**

- Willingness to learn. A quick learner
- Dedicated, Optimistic, Reliable, Flexible and Adaptable
- Acceptance of responsibilities and hard working
- Comprehensive problem solving abilities
- Excellent communication and Interpersonal skills

## **ACHIEVEMENTS**

- Member of IETE
- NSS Volunteer in College
- Active member of ECE Association of Prime College of Engineering and NCERC
- Participated in various competitions in school and college levels

## HOBBIES AND INTERESTS

- Music , Cooking , Reading

## PERSONAL DETAILS

<b>Name</b>	Neethu Balakrishnan
<b>Date Of Birth</b>	04/01/1993
<b>Sex</b>	Female
<b>Nationality</b>	Indian
<b>Father's Name</b>	Balakrishnan S
<b>Mother's Name</b>	Syama TK
<b>Permanent Address</b>	Sreesailam Mudappallur Post Palakkad Kerala- 678705 , India.
<b>Contact Information</b>	+973 39135971 (Mobile) Email: <a href="mailto:iamneethub@gmail.com">iamneethub@gmail.com</a>
<b>Languages Known</b>	English, Malayalam, Hindi, Tamil

## DECLARATION

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

**NEETHU BALAKRISHNAN**

(Applicant)