

SEENA THOMAS  
CHENGAMTHADATHIL (H)  
THATTARATHATTA P.O  
KARIMKUNNAM  
IDUKKI (DIST)  
PIN CODE:685586



## **CURRICULUM VITAE**

### **Objective**

To strive for academic excellence and impart quality education with emphasis on Electrical and Electronics Engineering and to inculcate the habit of executing effective implementation and rectification of Engineering problems in the minds of all concerned, which they can apply in their professional life in future.

### **Education**

2011	Gate score	370
2011-2013	<b>Department Of Electrical and Electronics Rajagiri School of Engineering and Technology,Kakkanad</b> M.G. University, Kottayam, Kerala	M.Tech. Electrical and Electronics (with specialization in Industrial Drives and Control) 7.94 (CGPA)
2007-2011	<b>Viswajyothi College of Engineering and Technology,Vazhakulam,</b> M.G. University, Kottayam, Kerala	B.Tech. Electrical and Electronics 73.03%
2005-2007	<b>Nirmala Public School, Muvattupuzha</b>	86.80%
2005	<b>Nirmala Public School, Muvattupuzha</b>	86.60%

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**Fields of Interest:**

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- Power Electronics
- Control Systems

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**Project Profile**

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➤ **M-Tech Project:** Efficiency Optimization of Vector Controlled Induction Motor Drive

DESCRIPTION: In my project, an efficiency optimization algorithm for vector controlled Induction Motor (IM) Drive has been developed and the performance of the IM Drive under different operating conditions has been analyzed. The efficiency of the motor is optimized by weakening the rotor flux, which in turn reduces the core losses. A vector controlled IM drive is modeled and simulated using Simulink.

➤ **B-Tech Project:** Auto Mains Failure using PLC and SCADA

DESCRIPTION: The project deals with the implementation of Programmable Logic Circuit to detect and automatically correct the mains failure at a substation. In this project a SCADA system is also connected to the AMF panel for the monitoring purposes. The SCADA enables distance monitoring of any failure of supply. Thus uninterrupted power supply for critical loads is ensured using PLC and SCADA.

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**Publications**

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Seena Thomas & Rinu Alice Koshy, "Efficiency Analysis of Indirect Vector Controlled Induction Motor Drive", International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering ISSN (Print) : 2320 3765, ISSN (Online):2278 8875, Vol.2, Issue 8, Aug.2013.

**Achievements:**

- Undergone Industrial Training at
  - Kerala Electricals Ltd
  - Hindustan Organic Chemicals Ltd
  - Travancore Cochin Chemicals Ltd
  - Apollo Tyres Ltd
  - Ark Electronic Motion Controls India Private Ltd
  - TELK
- Technical expertise of the following software
  - MATLAB

- PSIM
- AUTOCAD
- Gate qualified for the year 2011 and 2013

### Experience

- Assistant Professor (Adhoc) at Govt. Engineering College Idukki in EEE Department from July 1st 2018 to May 31<sup>st</sup> 2019.
- Assistant Professor (Adhoc) at College of Engineering Kalloppara in EEE Department, Pathanumthitta from July 4<sup>th</sup> 2017 to APRIL 30<sup>th</sup> 2018.
- Assistant Professor (Adhoc) at College of Engineering Kalloppara in EEE Department, Pathanumthitta from July 4<sup>th</sup> 2016 to APRIL 28<sup>th</sup> 2017.
- Assistant Professor (Adhoc) at College of Engineering Kalloppara in EEE Department, Pathanumthitta from July 7<sup>th</sup> 2015 to MAY 10<sup>th</sup> 2016.
- Assistant Professor (Adhoc) at College of Engineering Cheganuur in EEE Department, from July 1st 2014 to APRIL 30th 2015.

### Personal Profile

Name : Seena Thomas  
Father's Name : Thomas Paul  
Date of Birth : 11-March-1990  
Sex : Female  
Marital Status : Married  
Nationality : Indian  
Languages : Malayalam, English, Hindi  
Hobbies : Driving, Reading  
Mail-id : [thomaseena11@gmail.com](mailto:thomaseena11@gmail.com)  
Permanent Address : Chengamthadathil (H), Thattarathatta P O , Karimkunnam ,  
Thodupuzha, Idukki, 685586

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**Reference**

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1) Mr. Jaison James,  
HOD, Department Of EEE,  
College of Engineering(IHRD). Kallooppara

2) Dr. Dinesh Gopinath,  
HOD, Department Of EEE,  
Govt. Engineering College, Idukki

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**Declaration**

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I there by solemnly affirm that all the details provided above are true to the best of my knowledge and belief; I shall carry myself in a manner that lends dignity to the organization.

SEENA THOMAS