

# CURRICULUM VITAE

**K.Naresh Kumar**

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## OBJECTIVE

To choose career as Academic and Research Assessor in the field of power systems Engineering

## EDUCATIONAL QUALIFICATION

| Sl. No. | Degree/Specialization                              | Period of Study/Research     | Percentage /Class                          | Department/Institution/University   |
|---------|--|------------------------------|--|---|
| 1.      | Ph.D./<br>Power Quality                            | Perusing (From<br>July 2014) |  | Department of Electrical Engineering ,<br><b>Anna University</b> , Chennai- 600025.   |
| 2.      | M.E./<br>Power Systems<br>Engineering              | 2 Years<br>(2009-2011)       | 8.21 CGPA<br>First Class                   | Department of Electrical and Electronics<br>Engineering,<br><b>Velammal Engineering College</b> ,<br>(Affiliated to Anna University Chennai),<br>Chennai – 600 066. |
| 3.      | B.E./<br>Electrical and<br>Electronics Engineering | 4 Years<br>(2005 – 2009)     | 75 %<br>First Class<br>With<br>Distinction | <b>RMD Engineering college</b> (Affiliated<br>to Anna University Chennai),Chennai-<br>601206  |
| 4.      | HSC/<br>Biology                                    | 1 Year<br>(2004 - 2005)      | 88.58 %<br>First Class                     | <b>P.A.K.Palanisamy Nadar Hr. Sec.<br/>School</b> , Old Washermenpet,<br>Chennai,600021   |
| 5.      | SSLC   | 1 Year<br>(2002 - 2003)      | 82.60<br>First Class                       | <b>Government Hr. Sec School</b> ,<br><b>Kavaraipettai</b> ,Chennai-600 039   |

## WORK EXPERIENCE

| Sl. No.                 | Name of the Institute Previously Worked | Position Held       | Department | Period                 |
|-------------------------|---|---------------------|------------|------------------------|
| <i>Academics</i>        |   |                     |            |                        |
| 1.                      | <b>Velammal Institute of Technology</b> | Assistant Professor | Electrical | June 2011 to till date |
| <b>Total Experience</b> |   |                     |            | <b>6.9 Years</b>       |

**CONFERENCES**

**National Conferences**

1. K.Naresh Kumar & Dr.S.Srinath, "Integration of UPQC with New Converter Transformer for Power Quality Improvement", **Proceeding of sixth National Power Engineering Conference (NPEC 18)**, 09<sup>th</sup> March 18, Thiagarajar college of college of Engineering, Madurai, India
2. K.Naresh Kumar, "An active filtering approach for power factor correction using parallel boost converter", **Proceeding of second National Conference Emerging and Innovative Trends in Power Systems and Power Electronics Engineering**, 2<sup>nd</sup> April 2016, T.J.S Engineering College, Peruvoyal, Chennai, India
3. K.Naresh Kumar, Harmonic "Reduction in HVDC line using Inductive Filtering Converter Transformer", **Proceeding of First National Conference on New and Renewable Energy Sources (NCNRES – 11)**, 11<sup>th</sup> and 12<sup>th</sup> March 2011, Aarupaadai Veedu Institute of Technology, Paiyanoor , OMR Chennai, India
4. K.Naresh Kumar, "Harmonic Reduction based on New Converter Transformer", **Proceeding of National Conference on Recent Trends in Power Electronics and Power Systems (RTPEPS – 11)**, 3<sup>rd</sup> March 2011, SKP Engineering College, Thiruvannamalai, India

**International Conferences**

1. K.Naresh Kumar & Dr.S.Srinath, "Effect of New Converter Transformer With Inductive Active Filtering in Distribution System", **Proceeding of International conference on Innovative Strategies in Renewable Energies and its applications (ISREA 15)**, 05<sup>th</sup> & 6<sup>th</sup> March 15, SONA College of Technology, Salem, Tamilnadu, India.
2. K.Naresh Kumar & Dr.S.Srinath, "Power Quality Enhancement in Distribution System using Inductive Active Filtering Technique", **Proceeding of Joint International conference on Communication, Computing and Power Technologies (ICCCPT – 15) and Artificial Intelligence and Evolutionary Computations in Engineering Systems (ICAIECES – 15)** 22<sup>nd</sup> & 23<sup>rd</sup> April 15, Velammal Engineering College, Chennai, Tamilnadu, India.
3. A.S.Santhosh, N.Tamilselvan, K.Naresh Kumar, "Maritime Border Alert System For Protection of Fishermen", **Proceedings of International Conference on Automation and Computing Technologies (ICACT – 18)**, 17 March 18, Velammal Institute of Technology, Chennai, Tamilnadu
4. K.Swathi E.Priyadarshini M.Shobana J.Nivedha Sيريapushpam Mr. K. Naresh Kumar M.E," Power Quality Improvement Using Inductive Active Filter" **Proceedings of International Conference on Automation and Computing Technologies (ICACT – 18)**, 17 March 18, Velammal Institute of Technology, Chennai, Tamilnadu

**JOURNALS**

1. R.Siva, Dr S.Srinath and K.Naresh Kumar, "Effect of New Converter Transformer with Inductive Active Filtering in Distribution System", **International Journal of Applied Engineering Research (IJAER)** ,Volume 10, Issue 10,pp 9666 – 9671, 2015.
2. K.Naresh Kumar & Dr S.Srinath, "Power Quality Enhancement in a Distribution System Using Inductive Active Filtering Techniques", **Artificial Intelligence and Evolutionary Computations in Engineering Systems: Proceedings of ICAIECES 2015 (Scopus Series)**, Volume 394, pp 1253 – 1264, 2015
3. K.Naresh Kumar & Dr.S.Srinath, "Integration of UPQC with New Converter Transformer for Power Quality Improvement", going to be published in **IEEE Explorer**, 2018.

### WORKSHOP/TRAINING PROGRAMMES

| Sl. No. | Course Title with Dates   | No of Days | Institution  |
|---------|---|------------|--|
| 1.      | Attended the Faculty Development Training Program on “ <b>Transmission and Distribution</b> ”, (Sponsored By Anna University) scheduled on 27.11.17 – 4.12.17   | 7 Days     | Department of Electrical and Electronics Engineering, RMD Engineering College      |
| 2.      | Attended National Level Workshop on “ <b>Research Prospective – An Insights to Proposal and Patents</b> ” Scheduled on 23 <sup>rd</sup> January 2016  | 1 Day      | Department of Electrical and Electronics Engineering, Velammal Engineering College |
| 3.      | Attended the Faculty Development Training Program on “ <b>Expectations and Future of IT Industry</b> ”, Scheduled on 22 <sup>nd</sup> October 2016  | 1 Day      | Cognizant Technology Solutions   |
| 4.      | Attended the Faculty Development Training Program “Design and Simulation Tools for Mitigating of Problems in Power System Protection and Power Quality” scheduled on 29 <sup>th</sup> to 30 <sup>th</sup> June 2015 | 2 Days     | Department of Electrical and Electronics Engineering Easwari Engineering College   |
| 5.      | Attended the Faculty Development Training Program “VLSI Systems and its Applications in Power Electronics” AICTE sponsored, Scheduled on 5 <sup>th</sup> to 19 <sup>th</sup> May 2014                               | 14 Days    | Department of Electrical and Electronics Engineering, Velammal Engineering College |
| 6.      | Attended Workshop on “Programmable System on Chip with Cypress PSoC” Scheduled on 22 <sup>nd</sup> June 2012.   | 1 Day      | Department of Electrical and Communication Engineering RMK Engineering College     |
| 7.      | Attended Workshop on “Mipower Power Systems Simulation Software” Scheduled on 30 <sup>th</sup> March 2012.  | 1 Day      | PRDC Bangalore & VI Microsystems, Chennai  |
| 8.      | Attended Workshop on “Power Quality Issues and Challenges” Scheduled on 8 <sup>th</sup> – 9 <sup>th</sup> February 2012   | 2 Days     | Department of Electrical and Electronics Engineering, Velammal Engineering College |

### RESEARCH AREAS

- Power Quality Improvement using Filters
- Unified power quality Conditioner

### TOWARDS ACADEMIC EXCELLENCE

#### Subjects Handled

- Power System Analysis
- Protection and Switchgear
- Transmission and Distribution
- Power System operation and Control
- Basic Electrical and Electronics Engineering
- Basic Electrical Electronics and Instrumentation Engineering
- High Voltage Engineering
- Power Quality
- Biomedical Instrumentation

#### Contribution in Co-curricular and Extra Curricular Activities

- Coordinated as department Placement Incharge for Consecutive four year from 2015 onwards
- Acted as Department in charge for Co-Curricular activities & Department Library.
- Coordinated as Class Incharge for two batches (2011 – 2015 & 2015 – 2019)

### *ACHIEVEMENT*

- Got 100% Result in Transmission and Distribution & Basic Electrical and Electronics Engineering
- Averagely produced 90 % and More in subjects handled in the past six and half years

### *PERSONAL DETAILS*

Date of Birth : 01-03-1988  
Nationality : Indian

Languages Known : English & Tamil

### **DECLARATION AND SIGNATURE**

I hereby affirm that all the information given above is authentic to the best of my knowledge.

Place: **Chennai**  
Date: 09.04.18

**(K.Naresh Kumar)**