

**National Institute of Technology, Tiruchirappalli:  
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**Curriculum Vitae**



Dr Aneesa Farhan M A received her PhD from the Indian Institute of Technology Madras in 2019 and completed her M.E from the Indian Institute of Science Bangalore in 2008 in Electrical Engineering. She did her BTech from M.E.S College of Engineering, under Calicut University in 2002-2006. She has worked as Assistant Engineer for 3 years at Kerala State Electricity Board. Currently, she is with the National Institute of Technology Tiruchirappalli, working as an Assistant Professor in the Department of Electrical and Electronics Engineering since may 2020. Her research interests include Distributed Generation and Microgrids, Microgrid Protection, Power Systems and Wide Area Measurements, DC microgrid Protection and Electric vehicle integration into the grid.

1. Name: Aneesa Farhan M A
2. Designation: Assistant Professor
3. Office Address: Department of Electrical and Electronic Engineering, National Institute of Technology Tiruchirappalli.
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Telephone: Extn (Optional):  
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5. Email (Primary): aneesa@nitt.edu Email (Secondary) : aneesafma@gmail.com
6. Field(s) of Specialization: Power systems  
Research Interests
  1. Distributed Generation and Microgrids
  2. Microgrid Protection
  3. DSP and AI Techniques in Power Systems Protection
  4. Power Systems and Wide Area Measurements
  5. DC microgrid Protection
  5. Electric vehicle integration into the grid.

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### 7. Employment Profile

Job Title	Employer	From	To
Assistant Professor	NIT Tiruchirappalli	27 may 2020	Till Present
Assistant Engineer	Kerala State Electricity Board Ltd	July 2010	May 2020
Lecturer	Nehru College of Engineering, Palakkad,	03.03.2008	24.7.2008
Guest Lecturer	University College of Engineering, Thodupuzha,	29.09.2006	28.05.2007

### 8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Division/ Grade	Subjects
PhD	Indian Institute of Technology- Madras, Chennai, India	September-2019		Thesis title: Mathematical Morphology-based Microgrid Protection Schemes
M.E	Indian Institute of Science- Bangalore, India	2008-2010		Area: DSP & AI Techniques in Power System Protection
<b>BTech.</b>	M.E.S College of Engineering, Calicut University ,India	2002-2006		Electrical & Electronics Engineering

### 9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
Faculty Advisor	EEE Association	June2020	July2021
Time Table coordinator	Department of EEE	July2021	June2022

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### 10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To

### 11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization
2008	35 Rank	GATE
2006	3 rd rank	Calicut University
2006	Best outgoing student	MES college of Engineering

### 12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)

### 13. Details of Academic Work

(i) Curriculum Development

(ii) Courses taught at Postgraduate and Undergraduate levels :

**PG courses:**

1. Distributed generation and Microgrids

**UG Courses:**

1. Linear integrated circuits
2. Measurements and Instrumentation
3. Basic electrical and electronics Engineering

(iii) Projects guided at the Postgraduate level:

1. Cost-Benefit Analysis for optimal sizing and siting of distributed generation. Year 2020-2021
2. Islanding Detection using empirical mode decomposition and Artificial Neural network. Year 2021-2022

3. Other contribution(s)

### 14. Details of Major R&D Projects

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Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed

15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award
Maria Kumar Thelaghoti		Supervisor	Ongoing
Badavath Vinod Kumar		Supervisor	Ongoing

16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue

17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
5-day STTP on Modern Power System Optimization: Techniques, Tools, and Applications (MPSOTTA)	National	May 03-07, 2021	Coordinator	NIT Tiruchirappalli

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### 18. Invited Talks delivered

Topic	Date	Inviting Organization

### 19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member)	Organization	Membership No. with date
	IEEE	

### 20. Academic Foreign Visits

Country	Duration of Visit	Programme

### 21. Publications

#### (A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
Musliyarakath Aneesa Farhan and K. Shanti. Swarup,	"A Microgrid Protection Scheme based on Mathematical Morphology	IET Generation, Transmission & Distribution	<a href="#">Volume 11,</a> <a href="#">Issue 14</a>	3449 – 3457	September 2017	
Musliyarakath Aneesa Farhan and	"Mathematical morphology-based is-	IET Generation, Transmission	Volume 10, Issue 2	518-525	2016	

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K. Shanti. Swarup	landing detection for distributed generation	& Distribution,				

**(B) Conferences/Workshops/Symposia Proceedings**

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
Aneesa Farhan and K. S. Swarup	Islanding Detection using Mathematical Morphology for Distributed generation	IEEE PES ISGT Europe			Turin, Italy	September 26-29, 2017.
Aneesa Farhan and K. S. Swarup	Developments in Microgrid protection: Issues and techniques	National Conference on Power System Protection,			CPRI Bangalore	27-28 February 2015.
. Aneesa Farhan and K. S. Swarup,	Islanding Detection Scheme Based On Morphological Wavelets”	IEEE PES APPEEC 2017,			Bangalore, India	November 8-10, 2017.
Pranjal Verma, Anoop V.E, Aneesa Farhan, K.S. Swarup, R. Mehta, and Dipti Srinivasan	Single-Stage vs Multi-Stage Transmission Expansion Planning in Electricity Markets: An MILP approach	IEEE PES ISGT Asia			Singapore	May 2018

**(C) Books & Monographs**

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number

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