


# Faculty Profile

<b>Name of Faculty</b>	K Vasudha	
<b>Department</b>	Electrical and Electronics Engineering	
<b>Qualification</b>	B.Tech., M.Tech.	
<b>Designation</b>	Assistant Professor	
<b>Area of specialization</b>	Power Electronics	
<b>Date of Joining BNMIT</b>	23.07.2015	
<b>Nature of Association (Regular/Contractual/Adjunct)</b>	Regular	
<b>e-mail</b>	karanamvasudha@bnmit.in vasuk2687@gmail.com	
<b>No. of years of Experience</b>	Teaching: 8 years	

## Academic Qualifications

- **M.Tech.** (2010), Power electronics, Department of EEE, NIT Calicut, India (**7.8 CGPA**).
- **B.Tech.** (2008), Gates institute of Technology JNTU Hyderabad (FCD).

## Working Experience Details

- **Assistant Professor**, Department of Electrical & Electronics Engineering, **BNMIT**, Bangalore, India (23.07.2015 to Till date).
- **Assistant Professor**, Department of Electrical & Electronics Engineering, **GLOBAL ACADEMY OF TECHNOLOGY**, Bangalore, India (23.02.2015 to 26.06.2015).
- **Assistant Professor**, Department of Electrical & Electronics Engineering, **DON BOSCO INSTITUTE OF TECHNOLOGY**, Bangalore, India (12.07.2010 to 25.01.2014).

## Courses taught

Network Analysis, Electrical circuit analysis, Modern Control Theory, Power Electronics, Linear Integrated Circuits, Basic Electrical Engineering, Analog Electronic Circuits, Power System Analysis and Stability, Operations Research, Electrical Power Utilization, Transformers and induction motors, Electrical and electronics measurements & Instrumentation, Control systems.

## Academic Positions and other Responsibilities (Department Level):

- **Editor** for the College magazine JNANA BHAGEERATHI-2015-2016
- **Placement co-ordinator** for the year 2016-17.
- **Project and seminar co-ordinator** for VIII semester students for the year 2017-2018 and 2018-2019.

### **Instruments Handled/Software's handled:**

- Language : C
- Tools / Packages : MATLAB, Orcad, lab view.

### **Awards/ Achievements/Memberships:**

- Scored 93.34% (EEE) in G.A.T.E. (Graduate Aptitude Test in Engineering) in the year of 2007 and 95.54% (EEE) in 2008.

### **Professional Memberships:**

- **Life Member, ISTE** (No 89863).

### **Research Publications:**

#### **I. In National & International Journals**

##### **International Journals:**

- Niveditha M, **Karanam Vasudha**, Durga prakash, Satish S, "Design and development of single input multi output flyback converter using digital controller", IJIRCCE, Vol. 5, issue 4, pp. 2320-9801, April 2017. (Impact Factor: 6.577).

#### **II. Papers presented in International/National Conferences**

##### **International**

- Thontadarya s, **Karanam Vasudha**, "An innovative electric vehicle charging for sustainability initiatives", 1st *International Conference on "Reliable Technologies in Power and Energy Systems"*, AMC College of engineering, on 4th April, 2016, Bangalore, India.

##### **National**

- Sunil Kumar A,V, K.Vasudha, "Modeling, Simulation and Analysis of DSSC", *Presented technical paper at National conference on Recent trends and Applications in Electrical And Electronics Systems*, 28-30 April 2015, DBIT Bangalore, India.

### **Participation in Training courses/Seminars/Workshops**

- Attended FDP on "Application of Computational Intelligence in Engineering" held in BNMIT, from 24<sup>th</sup> to 29<sup>th</sup> June, 2019.
- Attended FDP on "Modern Power Electronic Drives: Design and future Trends" held in BNMIT, from 16<sup>th</sup> to 20<sup>th</sup> January, 2018.
- Participated in the short course on "A to Z of Transformer Design" in BNMIT, Bangalore, from 17/02/2018 and 18/02/2018.
- Attended FDP on "Development of Embedded systems using ARM CORTEX MO+ Processors" held in GAT, on 9<sup>th</sup> to 13<sup>th</sup> July, 2018.

- Attended FDP on “Role of IT in power sector” held in BNMIT, on 9<sup>th</sup> to 13<sup>th</sup> January, 2017.
- Attended FDP on “Recent trends in power quality issues and mitigations in electrical systems” held in BNMIT, on 18<sup>th</sup> to 23<sup>rd</sup> January, 2016.
- Participated in the workshop on “Real time simulation for power electronics, power systems, control and instrumentation using LABVIEW” in UVCE, Bangalore, from 28<sup>th</sup> march 2016 to 1<sup>st</sup> April 2016.
- Attended FDP on “Integration of green energy to smart grid – opportunities and challenges” held in BNMIT, on 11<sup>th</sup> to 16<sup>th</sup> July, 2016.
- Participated in the short course on “Innovative teaching methods” in BNMIT, Bangalore, from 18/07/2016 to 23/07/2016.
- Participated in the workshop on “preparation for accreditation of NBA” in BNMIT from 3<sup>rd</sup> to 5<sup>th</sup> December, 2015.
- Participated in the workshop on “modeling and control of power electronics systems” in PES, Bangalore from 18th to 20th march 2013.

**Personal Details:**

- Date of Birth : 26<sup>th</sup> July, 1987.
- Gender : Female.
- Languages known : English, Hindi, Telugu, Kannada, Malayalam.
- Marital Status : Married.
- Nationality : Indian.
- Permanent Address : Pariwar passion, Flat no-G243, Tejaswini nagar, 2<sup>nd</sup> phase, dodd kammanahalli, bangaluru – 560083.

17<sup>th</sup> July 2019

KARANAM VASUDHA