

Faculty Profile

Name of Faculty	Ashwini A
Department	Electrical & Electronics Engineering
Qualification	M.Tech.
Designation	Assistant Professor
Area of specialization	Power Electronics
Date of Joining BNMIT	04.08.2008
Nature of Association (Regular/Contractual/Adjunct)	Regular
E-mail	ashwinia@bnmit.in, ashwiniarivas@gmail.com
No. of years of Experience	Teaching:12 years



Academic Qualifications

- **M.Tech.** (2008), Power Electronics, Department of Electrical & Electrical Engineering, RVCE, VTU, India (**I Rank**).
- **B.E.** (2001), BIT, Bangalore University (First Class with Distinction).
- **Post Graduate Diploma in Management** (2011), IGNOU, India (I Class).

Working Experience Details

- **Assistant Professor**, Dept of EEE, BNMIT, Bengaluru, India, (01.01.2012 – Till date).
- **Lecturer**, Dept of EEE, BNMIT, Bengaluru, India, (04.08.2008 – 31.12.2011).
- **Lecturer**, Dept of EEE, BNMIT, Bengaluru, India, (12.08.2005 – 31.05.2006).

Courses taught

- **UG:** Basic Electrical Engineering, Network Analysis, Electrical Measurements, Transformers & Induction Machines, Management & Entrepreneurship, DC Machines & Synchronous Machines, Electrical Machine Design, Electrical Power Utilization, Industrial Drives & Applications, Electrical Design, Estimating & Costing, Modern Power System Protection, Electrical Circuit Analysis.
- **PG:** Special Electrical Machines.

Academic Positions and other Responsibilities (University Level):

- **DCS** (External) for the conduct of Crash / Extricate Semester Examinations, May 2017
- **Paper setter** for M.Tech. June – July 2017 & June – July 2016 Examinations
- **Paper setter** for Autonomous Examinations
- **External/Internal Examiner** for Practical Examinations

Academic Positions and other Responsibilities (Department Level):

- **NBA Coordinator**
- **NAAC Coordinator**

- **Electrical Machines Lab In-charge** (2009 – 10 Even sem, 2010 – 11 Even sem, 2011 – 12, 2012 – 13, 2014 – 15, 2015 – 16, 2016 – 17 Odd sem, 2017 – 18 Odd sem, 2018 – 19)
- **Counsellor** (August 2008 – Till date)
- **Time table coordinator** (2017 – 18, 2014 – 15, 2009 – 10)
- **Alumni In-charge** (2015 – 16 – Till date)
- **ABEEE In-charge** (2013 – 14)
- **ISO coordinator** (2102 – 13, 2013 – 14 Odd sem)
- **Test Coordinator** (2010 – 11 Odd sem)
- **Coordinator** for the College magazine JNANA BHAGEERATHI Issue 2011 & 2012.
- **UG Project coordinator** (2010 – 11, 2018 – 19)
- **Department Library In-charge** (2008 – 09, 2009 – 10 Odd sem)
- **VTU exam coordinator** (2008 – 2009)

Awards/ Achievements/Memberships:

- **First Rank** with Gold medal in M.Tech, VTU, Belagavi.
- Successfully completed NPTEL **Online Certification** course in **Electrical Machines - II**

Professional Memberships:

- ISTE Life Member – LM 127516
- Life Member, Karnataka Rajya Vijnana Parishat (KRVP)

Workshops /Seminars Organized:

- Organising committee member for workshop on “A to Z of Transformer Design” 17th – 18th February, 2018
- Organising committee member for FDP on “Role of IT in Power Sector” 9th – 13th January 2017
- Organising committee member for FDP on “Integration of Green Energy to Smart Grid – Opportunities & Challenges”, Dept of EEE, BNMIT, Bangalore, 11th – 16th July 2016.
- Organising committee member for FDP on “Recent Trends in Power Quality Issues and Mitigations in Electrical Systems” 18th – 23rd January 2016
- Sessions in-charge in ICPACE – 2015, 12th – 14th August 2015

Research Publications:

In National & International Journals

International Journals:

- Ashwini A, Soujanya R K published paper on “Design and Analysis of Full-Bridge Phase-Shift Soft-Switching DC-DC Converter” in IJIRCCE, Volume 5, Issue 4, April 2017 **ISSN: 2320 – 9801**

- Ashwini A, Roopa Nayak N published paper on “Single Phase Grid Synchronization by load compensation using Photovoltaic generation system”, in International Journal of Electrical and Electronics Research, January – March 2017 ISSN 2348-6988.
- Ashwini A, Divyashree V & Sumathi S published paper on “Two Phase Boost Converter fed DC Motor”, in International Journal of Scientific Engineering and Technology Research, August 2014.

National

1. Ashwini A & Mahadevnayaka presented a paper on “Closed Loop Control of DC Motor by using Bridgeless PFC Boost Converter”, organized by the department of Electrical & Electronics Engineering SJBIT, Bangalore, 9th May 2015 in NCATEE-15.
2. Ashwini A & Sumathi S presented paper on “Simulation and Analysis of inter-leaved Boost Converter using PV cells”, organized by the department of Electrical & Electronics Engineering BNMIT, Bangalore, 14th October 2011 in NCRE³CT-2011.

Participation in Training courses/Seminars/Workshops

1. Participated in one week FDP on “Application of computational Intelligence in Engineering”, Dept of EEE, BNMIT, Bangalore, 24th – 29th June 2019.
2. Participated in 5-day Skill Enhancement Program for mentors, teachers and counsellors on “Helping our students through the college years”, Global Academy of Technology, 21st – 25th January, 2019.
3. Participated in one day workshop on “New Model Curriculum for PG Course CBCS Detailed Syllabus (2018 – 2019) as per Outcome – Based Education (OBE) format including Course Outcomes (CO) and Bloom’s Taxonomy” under TEQIP-1.3 on 6th August, 2018.
4. Participated in one week workshop on “A to Z of Transformer Design” 17th – 18th February, 2018.
5. Participated in one week FDP on “Modern Power Electronic Drives: Design & Future Trends”, Dept of EEE, BNMIT, Bangalore, 16th – 20th January 2018.
6. Participated in one week FDP on “Role of IT in Power Sector”, Dept of EEE, BNMIT, Bangalore, 9th – 13th January 2017.
7. Participated in one week FDP on “Integration of Green Energy to Smart Grid – Opportunities & Challenges”, Dept of EEE, BNMIT, Bangalore, 11th – 16th July 2016.
8. Participated in one week FDP on “Recent Trends in Power Quality Issues and Mitigations in Electrical Systems”, Dept of EEE, BNMIT, Bangalore, 18th – 23rd January 2016.
9. Participated in three day workshop on “Preparation for Accreditation by NBA”, BNMIT, Bangalore, 3rd - 5th December 2015.
10. Participated in one week workshop on “Entrepreneurship Development Programme”, by Entrepreneurship Cell, Dept of MBA, BNMIT in association with Entrepreneurship Development Institute of India, Bangalore, 27th - 31st January 2015.
11. Participated in one week workshop on “Programmable Logic Controller and SCADA systems”, by Dept of Electrical and Electronics Engineering, BNMIT in association with M/s Yokogawa India Limited, Bangalore, 19th - 23rd January 2015.

12. Participated in the “Young Researchers Meet” organized by IEEE PES Bangalore Chapter, 6th December 2014.
13. Participated in FDP on “Innovative Teaching & Effective Communication” organised at BNMIT, 18th – 20th July 2012.
14. Participated in the seminar on “Introduction to Research Investigations in Recent years in Electrical and Electronics Engineering”, 16th March 2009, BNMIT, Bangalore.
15. Participated in the workshop on “Recent Trends in Power Transformers” organized by the department of Electrical & Electronics Engineering RVCE, Bangalore on 11th & 12th August 2008.

Personal Details:

- **Date of Birth:** 02 – 02 –1979
- **Sex:** Female.
- **Family Details:** Spouse – **Srinivas Arakere**
Project Manager II, Philips Innovation Campus, Manyata Tech Park
Daughter – **Spandana S Arakere**

17th July 2019

ASHWINI A