

## Faculty Profile

<b>Name of Faculty</b>	Padmaja Jain
<b>Department</b>	Electronics & Communication Engineering
<b>Qualification</b>	B.E, M.Tech, (Ph.D.)
<b>Designation</b>	Assistant Professor
<b>Area of specialization</b>	VLSI, Embedded Systems, Optics, Photonics
<b>Date of Joining BNMIT</b>	04.08.2008
<b>Nature of Association (Regular/Contractual/Adjunct)</b>	Regular
<b>e-mail</b>	padmajajain@bnmit.in, padmaja.jain@gmail.com
<b>No. of years of Experience</b>	Teaching:13 years Industry:1 year



### Academic Qualifications

- M.Tech (VLSI & Embedded Systems), UTL, VTU, 2007.
- B.E. (Electrical & Electronics Engineering), MIT, MAHE University, 2003.

### Working Experience Details

- Currently working as Assistant Professor at Electronics & Communication Engineering Department, BNM Institute of Technology, Bangalore from August 2008 to till date.
- Worked as Lecturer at AMC Engineering College for a period of 3 years from July 2004 to 2005 July and from July 2006 to July 2008.
- Worked as Lighting Engineer from 2003 to 2004 at Thorn Lighting India (P) Ltd.

### Subjects taught

**Under Graduate:** Basic Electricals, Electrical Power Generation. Design of Electrical Machines, Basic Electronics, Network Analysis, Control Systems, Advanced Microprocessors, Fundamentals of HDL, CMOS VLSI Design, Digital System Design Using Verilog.

**Post Graduate:** VLSI Testing and Verification, ASIC Design, Advances in VLSI Design, VLSI Testing.

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

1. External DCS at RNSIT during December 2014 for VTU Examination.

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

1. ISO Coordinator of ECE department during 2014-2015.
2. Department Coordinator for Criteria-2, NAAC during 2016-2018.
3. Department News letter coordinator during 2015 to 2018.

## **Publications:**

### **International Journals:**

1. Geetha G and PadmajaJain,"Implementation of Matrix based Mapping Method Using Elliptic Curve Cryptography",IJCAT, 2014.
2. Shamala Joshi,Padmaja Jain andArunaKumari,"Serial Interface Module for Ethernet based Applications",IJRET, Jan-2014.
3. Chandakala and Padmaja Jain,"Performance Analysis of Two-Stage op Amp using different BIST Techniques,IRJET, June-2016.
4. Varshini J and PadmajaJain,"Design and Development of an Automated System for Early Detection of Diabetic Retinopathy using Image Processing,PiCS,May-2017.
5. Rekha P, Prabhavathi P, Veena S. Murthy, Padmaja Jain "A Survey of Floral Aroma Sensors" published in International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume: 05 Issue: 07 | July 2018 www.irjet.net, p-ISSN: 2395-0072

### **International Conferences:**

1. Sandhya H.S,Padmaja Jain and Prabhavathi P,"Design of High Speed ,High Gain Fully Differential Folded Cascode OTA in 180nm".International Conference on VLSI,Communication,Advanced devices,Signals & Systems and Networking VCASAN-2013"organized by BNMIT Bangalore.

### **National Conferences:**

1. Anjana and Padmaja Jain "Design and Implementation of Arbiter for LPDDR2 memory Controller" , National Conference on VLSI,Image Processing and Networking Organized by Department of ECE,on 25<sup>th</sup> April 2014,held at Indra Institute of Engineering And Technology ,Thiruvalluru,Chennai,India.

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

1. FDP on "Electronic Communication & Trends" from 19<sup>th</sup> to 23<sup>rd</sup> Jan 2015 at BNMIT, Bengaluru.
2. FDP on "ARM CORTEX M3(Practically Intensive) from 8<sup>th</sup> to 14<sup>th</sup> Jan 2016 at BNMIT, Bengaluru.
3. FDP on "Computer and Wireless Networks" from 11<sup>th</sup> to 16<sup>th</sup> July 2016 at BNMIT, Bengaluru.
4. FDP on "Physical Design Challenges in DSM Node VLSI Systems" from 16<sup>th</sup> to 21<sup>st</sup> Jan 2017 at BNMIT, Bengaluru.
5. FDP on "MSP430 Microcontroller and its Applications" from 31<sup>st</sup>July to 5<sup>th</sup>Aug 2017 at BNMIT, Bengaluru.
6. Faculty Development Programme on "Special Topics in Optics and Photonics ",RNSIT, 27-28 January 2017.
7. Summer school in "Optics and Photonics" 25 – 28 July 2018 at IISc. , Bengaluru organized by Applied Photonics Initiative, Iisc.
8. Work shop on "Preparation for Accreditation by NBA" from 3<sup>rd</sup> to 5<sup>th</sup> December,2015,at BNMIT.
9. Workshop on "New Model Curriculum for PG Course CBCS Detailed Syllabus as per Outcome-Based Education format including Course Outcomes and Bloom's Taxonomy" under TEQIP-1.3 for the course ECE under ECE Board held on 6th August 2018 at BNMIT organized by Visvesvaraya Technological University Belagavi.

**Personal Details:**

- **Date of Birth:** 10 - 07 -1981; **Sex:** Female.
- **Marital status:** Married
- **Passport Number:**Z4009280(valid till 18<sup>th</sup> October 2026)

**11<sup>th</sup> August 2018**

**Padmaja Jain**