

Curriculum Vitae

Dr. Chinmayi

#24, “Pranavam”
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- **Experience (18 years):**

Organization	Designation	Years
Dept. of Electrical & Electronics Eng., DSATM, Bangalore	Visiting Faculty	July 2022
Dept. of Electronics & Communication Eng., Jyothy Institute of Technology, Bangalore	Assistant Professor	Aug 2019 to Feb 2021
Dept. of Electrical & Electronics Eng., East West Institute of Technology, Bangalore	Associate Professor	March 2019 to July 2019
	Assistant Professor	Sep 2012 to Feb 2019
Dept. of Electronics & Communication Eng., East West Institute of Technology, Bangalore	Lecturer	Aug 2008 to Aug 2012
S.V.E.I Univeristy College, Mysore	Lecturer	Oct 2006 to Jul 2008
M/S. Nikhara Electronix and Allied Technics, Bangalore	Product Engineer	Oct 2001 to Nov 2003
Bharat Electronics Ltd., (BEL) Bangalore	GAT	Jan 2001 to Sep 2001

- **Academic Qualification:**

Qualification	Specialization	University	Year of Passing	% Score
Ph. D	Power Electronics	VTU	2018	
M.Tech	VLSI Design and Embedded Systems	VTU	2012	CGPA 7.85
B.E.	Electrical & Electronics Eng.	Mysore University	2000	67.7

- Completed Ph.D. in Electrical & Electronics Engineering Sciences, thesis titled, “**FPGA Based Converter - Inverter Control Strategy for Photovoltaic Power Generation System**”, from Visveswaraya Technological University **in 2018**, under the guidance of **Dr. B.G. Shivaleelavathi**, Professor, Dept. of ECE, JSS Academy of Technical Education, Bengaluru.

- **International Journal Paper Publication:**

1. Chinmayi, B. G. Shivaleelavathi, Veeramma Yatnalli, “Simulation of Seven and Nine Level CHBMLI with Elliptical Phase Disposition PWM Technique”, Scientific Research Publishing, Journal of Power and Energy Engineering, 2020, ISSN Online: 2327-5901 Vol 8, 49-63, DOI: 10.4236/jpee.2020.83004 (Web of Science)
2. B. G. Shivaleelavathi, Chinmayi, Veeramma Yatnalli, “Review on Multi Level Inverter Topologies and Control Strategies for Solar Power Conversion”, EMITTER International Journal of Engineering Technology ISSN: 2443-1168, Vol. 8, No. 2, December 2020, pp. 295~315 DOI : 10.24003/emitter.v8i2.500 (Scopus Indexed)
3. Chinmayi, Rajalakshmi J, Ramya M Rao, Gowri D, Vishrutha B.A, “Risk Minimization due to COVID-19 using CSR-BOT in Educational Institutions”, Sambodhi (UGC Care Journal), ISSN: 2249-6661 Vol-43, No.-02 November-December (2020)
4. B.G. Shivaleelavathi, Veeramma Yatnalli, Chinmayi, “ Design and Development of an Intelligent System for Pothole and Hump Identification on Roads”, International Journal of Recent Technology and Engineering, ISSN:22773878, Vol-8 Issue-3, September 2019, Paper accepted and Waiting for the publication. (Scopus Indexed)
5. Chinmayi, B. G. Shivaleelavathi, Yamini Bai S, “ Cost Effective Power Quality Improvement Technique by utilization of Solar Power for Non-Linear Loads”, International Journal of Recent Technology and Engineering, ISSN:22773878, Vol-8 Issue-2, July 2019, pp:1016-1022. (Scopus Indexed)
6. Chinmayi and Dr. Shivaleelavathi B G, “Digital Control of Three-Phase Cascaded Multilevel Inverter Using FPGA Wavect Tool”, International Journal of Power Electronics and Drives System, IAES, Vol. 9, No. 1, March 2018, pp. 189~197 ISSN: 2088-8694, DOI: 10.11591/ijpeds.v9n1.pp189-197. (Scopus Indexed)
7. Chinmayi and Dr. Shivaleelavathi B G, “Enhancement of Fundamental RMS output voltage of 5-level cascaded H-bridge multilevel inverter using modified multicarrier PWM technique”, IJEET, IAEME Journals, Vol.7, Issue-1, pp:17-29, Jan-Feb-2016 ISSN: 0976-6545. ID : H-3771-2015, JIF: 9.18 (Thomson Reuters Research)

- **International Conference Paper Presented:**

1. Chinmayi, Rajalakshmi J, Ramya M Rao, Gowri D, Vishrutha B.A, “Risk Minimization due to COVID-19 using CSR-BOT in Educational Institutions”, Online International Conference

on “Smart Modernistic in Electronics and Communication” (ICSMEC-2020) Organized by Department of ECE, St. Martin’s Engineering College, Dhulapally, Secunderabad, T.S, India on 29th & 30th June 2020.

2. Chinmayi, B.G. Shivaleelavathi, “ A Novel Implementation of Digital Control Strategy for Multilevel Inverters Using FPGA Wavect Controller”, 18th IEEE Workshop on Control and Modeling for Power Electronics, **IEEE-COMPEL 2017, July 9-12, Stanford University, California, The U.S.A. (Reputed IEEE Power Electronic Society Conference)**
3. Chinmayi, B. G. Shivaleelavathi, “Performance Analysis of Cascaded Multilevel Inverter Using Modified Multicarrier PWM Technique”, IEEE Digital Xplore, International Conference on Innovative Mechanisms for Industry Applications (ICMIA 2017), DSCE, Bangalore , India, Feb 21-23, pp.50-54, ISSN: 978-1-5090-5960-7

Received “**IEEE- BEST PAPER AWARD**” for the paper presentation in Conference

4. Chinmayi, B.G. Shivaleelavathi, “ V/F Control of Three-Phase Induction Motor Using 7-Level Cascaded H-Bridge Inverter”, ICSIPCA 2017, July 6-7, JSSATE, Bangalore, Tata McGraw Hill & Grenze Scientific Society Publications, pp. 257-262, ISSN: 978-93-526079-8-3
5. Chinmayi, Dr.Siva Yellampalli, "Fully Integrated High Efficiency DC-DC Buck Converter", ICCTEM, Vidyavardaka College of Engineering, Jul 2012, Mysore.

- **National Conference :**

1. Presented a Paper on, “Survey of PV Power Generation for Residential Application”, National conference on VLSI, Signal and Image processing (NCVSIP-14), 22nd -23rd Aug 2014, Dept. of ECE, JSSATE, Bangalore.
2. Organized and Attended National Conference on, “Advances in Electronic and Intelligent Computing”, May, 2011, Dept. Of ECE, EWIT, Bangalore.

- **Workshop/ Seminar/ Industrial trip Organized:**

- **In Jyothy Institute of Technology**

1. Organized 5 days Faculty Development Program on, “Advanced Microcontrollers and Python Programming”, State level FDP, Dept of ECE in Association with IEEE Bangalore Section, 11-15 Aug, 2020.

2. Organized One Week Student Development Program on, “Introduction to Python”, Dept of ECE, JIT in association with IEEE Bangalore Section, 13-18 Jul 2020.
3. Organized 2 weeks Student Development Program on, “Advanced Course on Python”, Dept of ECE, JIT in association with IEEE Bangalore Section, 27th Jul – 8th Aug 2020.
4. Organized 4 days Workshop on, “Model Based design using MATLAB/SIMULINK for Image Processing and Machine Learning”, IEEE Jyothy IT Student Branch and Department of ECE in association with IEEE Bangalore Section and AGIMUS Technologies Pvt. Ltd., Bengaluru, 21-24 Jan ,2020
5. Organized Technical Talk on, “Join Indian Army: Do you have it in you?”, Speaker Maj. Sachin Kashyap, Indian Army, 20th Feb 2020
6. Organized Technical Talk on, “ VLSI Design Flow”, Speaker Dr. Shivananda Koteswar, Synopsis, 24th Jun 2020
7. Organized Technical Talk on, “ Artificial Intelligence”, Speaker Mr. Sudarshan K N, Bosch Automation, 2nd Jun 2020
8. Organized Technical talk on, “ What After Engineering?”, Speaker Mr. Keshava Bharadwaj S P, Intel Technology India Pvt. Ltd., 7th Sep 2020

➤ **In East West Institute of Technology**

9. Organized two days Skill Development program on, “ Familiarization on DTS & Relay Testing Labs”, for Pre-final year and final year students, 25th and 26th Feb 2019 at National Power Training Institute (NPTI), Bengaluru
10. Organized one day Industrial Visit to, “MOOG India Technology Centre”, Aircraft Division, Electronics city Phase-I, to understand working of various Sensors and Transducers for 3rd year students during Apr 11th, 2018.
11. Organized four days Industrial trip to, “Varahi Underground Hydro Power Plant” and “NPCI, Kaiga”, for final year students from 2015 to 2019.
12. Organized one day workshop on, “Soft Skill training program”, 9th May, 2017, Dept. of EEE, EWIT, Bangalore.
13. Organized two days workshop on, “Programmable Logic Controller (PLC) and SCADA”, 10th - 11th Aug 2016, Dept. of EEE, EWIT, Bangalore.
14. Organized two days workshop on, “PLC and Its Applications”, 30th Sept- 1st Oct 2015, Dept. of EEE, EWIT, Bangalore.

- **Workshops Attended:**

Sl.No	Name of the Event	Duration	Organizer	Place
1	Advanced Materials for Power Electronic Circuits	1-5 Mar 2021	TEQIP-3 Dept of EEE	BMSCE, Bengaluru
2	Challenges & Opportunities in SMART GRID	20-24 Jul 2020	Dept of EEE & IEEE PES	Ramaiah Institute of Technology
3	Introduction to Python	13-18 Jul 2020	Dept of ECE	JIT, Bengaluru
4	Master Programming on Image Processing and Computer Vision	25-29 May 2020	AGIMUS Technologies	Bengaluru
5	Effective Technical Writing: Thesis Vs Paper	27-29 Apr 2020	IEEE Bangalore Section & BES	Bagalkot
6	Writing a Competitive Grant Research Proposal	20 Apr 2020	IEEE SIGHT	Bengaluru
7	Deliberation of 3-8 th Sem 2018 Scheme & Syllabus	29 -30 Apr 2019	VTU	B.N.M.I.T, Bengaluru
8	Intellectual Property Rights (IPR)	09- 10 Oct 2018	VGST	EWIT, Bengaluru
9	FDP on “Internet of Things”	18-23Jun 2018	VGST	JSSATE, Bengaluru
10	Syllabus OBE Basic Electrical Engineering	14.05.2018	VTU	M.S.R.I.T , Bengaluru
11	MATLAB / SIMULINK Xilinx System Generator and Wavect Software	12-21 Dec 2016 (10 Days)	M/S. Entuple Technologies Pvt. Ltd.	Indiranagar, Bengaluru
12	Accreditation Process for Technical Institutions	26-27 Aug 2016	VTU Belagavi, ISTE, IITE & QCFL.	JSSATE, Bengaluru
13	Programmable Logic Controller (PLC) and SCADA	10-11 Aug 2016	Dept. of EEE	EWIT, Bengaluru
14	Modelling and Implementation of Power Electronics Control Algorithm	14.07.2016	Math works®	Queen Plaza Marathahalli, Bengaluru
15	PLC and Its Applications	30.09.2015 to 01.10.2015	Dept. of EEE	EWIT, Bengaluru

16	Research Methodologies and Latex	18-20 Mar 2015	e-Learning Centre, Regional Office, VTU	Nagarabhavi, Bengaluru
17	Advanced Power Electronics Application	Dec-2013 (5 Days)	TEQIP-II Initiative, Dept. of EEE	RVCE, Bengaluru
18	Power Electronics Laboratory	Aug 2009 (03 days)	Dept. of ECE, JSSATEB	JSS ATE, Bengaluru

- **Funds / Grants/ Sponsored Project:**

1. KSCST 39th Series Project Program (SPP) Grant for the Under graduate Project titled, “Carrier Based SPWM Techniques For Single Phase Multilevel Inverter Using FPGA”, of an amount of Rs.5000/-

- **Technical Society Memberships:**

1. **IEEE Senior Member** (professional Membership) and **Power Electronics Society** member from 2016. Membership No. – 93518093.
2. The Institute of Engineers (India) Lifetime Member – M-161280-2

- **Subjects Handled :**

Theory	Labs
1. Power Electronics	1. AEC Lab
2. Control Systems	2. PE Lab
3. Transformers & Generators	3. TIM Lab
4. Analog Circuits	4. DCM Lab
5. Computer Organization & Applications	5. CAED Lab
6. Advanced Power Electronics	6. Basic Electrical Lab
7. Analog Electronics Circuits	7. MC Lab
8. D.C. Machines	8. Microprocessor Lab
9. Industrial Drives and Applications	9. HDL Lab
10. Renewable Energy Sources	10. DSP Lab
11. Sensors and Transducers	
12. Transformers and Induction Machine	
13. Basic Electrical Engineering	
14. Microprocessors	
15. Real Time Embedded Systems	
16. Basic Electronics	

- **Additional Responsibilities Handled in Dept.:**

- **Being IEEE Senior Member and Branch counselor**

1. Served as Branch Counselor for IEEE Student Branch, Jyothy Institute of Technology, Bengaluru for the year 2019-2020. Conducted various technical and non-technical

- activities for students and faculty members which helped them to enhance their technical skills, communication skills, interpersonal skills, financial management, social responsibilities and leadership qualities.
2. Serving as EXECOM Member for IEEE PELS Society and in recognition of excellent service of our team received “IEEE PELS BEST CHAPTER AWARD -2021” for Bangalore section PELS Chapter.
 3. Played a key role in increasing the student membership count from 15 to 120 which has made IEEE Jyothy Institute Student Branch as one of the TOP-4 student branch in Karnataka.
 4. Received maximum grant from IEEE Bangalore Section for IEEE JIT student branch based on various activities conducted during academic year 2019-2020
- Established **Industry Institution Interaction** and **Internships** for students with various industries such as:
1. Moog India Technology Center (Aircraft Division), Electronics City, Bengaluru.
 2. Nandi Powertronics, Bengaluru.
 3. FluxGen, BTM Layout, Bengaluru.
 4. Sourish Automation, Bengaluru.
 5. Prolific Automation, Bengaluru.
- Having good contact with **Industry Experts / Resource persons** in various fields to organize workshop / Seminar / Hands-on training program and guest lecture for students such as:
1. Artificial Intelligence (AI)
 2. Python Programming
 3. Machine Learning (ML)
 4. MATLAB for AI & ML
 5. PLC & Automation (Robert Bosch & Micro Logics)
 6. Web design and development (Cognizant)
 7. Sensors & Control Systems (MITC)
 8. Power Corporation Karnataka Ltd for (Smart Grid)
 9. National Power Training Institute
 10. Karnataka Power Corporation Ltd.,

Date:

Yours faithfully,

Dr. Chinmayi