


Name	Nayana P Shetty		
	Designation	Associate Professor	
	Email	nayanashetty@nitte.edu.in	
	Contact No.	8197352132	
	Joining Date	04-08-1997	
Educational Qualifications			
M.Tech			
	Specialization	Power and Energy System	
	University	NITK, Surathkal	
	Year	2004-06	
B.E			
	Specialization	Electrical and Electronics	
	University	Mangalore	
	Year	1993-97	
Past Experience			
Teaching	Institution	NMAMIT,Nitte	
	Position	Lecturer	
	From	1997	
	To	2006	
	Position	Senior Lecturer (AP-II)	

	From	2006	
	To	2008	
	Position	Assistant Professor (AP-III)	
	From	2008	
	To	2015	
	Position	Associate Professor	
	From	2015	
	To	Till Date	

Areas of Interest

1.	Renewable Energy
2.	Power System
3.	Power Electronics
4.	Control System

Departmental Responsibilities

1.	Department Coordinator of Students performance monitoring cell
2.	RND
3.	Placement Committee
4.	ISTE Chapter NMAMIT
5.	Final year UG Project
6.	Time Table

7.	Sessional
8.	PG Internship and special topic seminar
9.	PG project
Professional Memberships	
1.	Life member of Indian Society for Technical Education(ISTE)-LM25137.
2.	Life member of Indian Society of Systems for Science &Engineering(ISSE)-LM02184.
Subjects Handled	
1.	Power Electronics
2.	Control System
3.	Advanced Control System
4.	Transmission and Distribution System
5.	Electrical Measurement and Measuring Instruments
6.	Electrical Power Generation
7.	Switch Gear and Protection
8.	Digital Electronic Circuit
9.	Power System analysis and stability
10.	Basic Electrical Engineering
11.	Non Conventional Energy Systems
12.	Linear System Theory
B.E., M. Tech, PhD projects guided Details (Name of the Project/ Name of students/ Year)	

If you don't have the details kindly mention the number of Projects Guided year wise

M.Tech	
1.	Advanced Control Strategy for Three Phase Inverter Module of UPS System/ Dhananjaya B./2008-2010
2.	Design of FIR Filter Base on Improved DA Algorithm and its FPGA Implementation/ Rajesh Puppala/2009-2011
3.	Architecture of Parallel Multiplier Accumulator Based on Radix-2 modified Booth Algorithm/Praveen Kumar/2009-2011
4.	DALI(Digital Addressable Lighting Interface) using Touch Screen in the Real Time Environment/Dayananda L. N./2009-2011
5.	Computer Vision Based Sign Recognition for Numbers/VibhaShetty U. J./2010-12
6.	Segmentation Based License plate recognition for AVI systems/Charishma/2010-2012
7.	Design of Reversible Single Precision Floating Point Multiplier using Peres Gate/Yamuna/2011-13
8.	Implementation of Temporal distribution FFT Architecture into Low Cost FPGA/Sithara s/2011-13
9.	Three Rier Multi-Authentication Security system with Touch Interface/SahanaReshma Lobo/2011-13
10.	Experimental analysis and simulation of a LCL loaded-resonant converter for dc-to-dc energy conversion application/SwathiHatwar h/2012-14
11.	Implementation of a bi-directional power converter with

	charging feature and simulation using matlab/simulink/Prathiksha/2012-14
12.	A control strategy for a positive buck boost converter using buck and boost converter combination/Jyothi/2012-14
13.	Enabling hand as a 3-d mouse and controlling desktop applications using mems technology/Shivalila A Hangaragi/2012-14
14.	Implementation of Converter for Commercial Photovoltaic Water Pumping System/SUNITA KUMBAR/2013-15
15.	An Intelligent System for Easy Navigation of Visually Impaired in Mass Transit/AmrithaKolari/2013-15
16.	Design and Fabrication of Externally Driven Liquid Cavitation Heating System/Mukesh/2013-15
17.	Design of Smart Home Security Surveillance System using GSM/Shweta/2014-16
18.	Design, Analysis and Implementation of light Flickermeter using DSP/RoshaniSupriya B N/2014-16
19.	Performance analysis of CUK and SEPIC converter in MPPT based PV system/Lavanya K R/2015-17
B.E	
1.	Three Phase AC Drive using Single Phase Supply/2008
2.	RFID based Security System/2012
3.	Power Box/2012
4.	Trainwheel Electricity Generation/2013

5.	Wireless Communication using LED/2014
6.	Smart Modern Power Distribution using Modular Connection System/2014
7.	Microcontroller based Synchronization of the Generators/2016
Conference/Journal publications	
Kindly follow the format (Author(s) / Title/ Journal Name / Vol/ Issue/Date/Page)	
International Journals	
1.	International Research Journal of Engineering and Technology, “ Design and Fabrication of Externally Driven Liquid Cavitation Heating System ”ISSN: 2395-0072, Vol 2 Issue 2, May 2015.
2.	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering IJIREEICE, “ Design of Smart Home Security Surveillance System using GSM ” ISSN (Online) 2321 – 2004 ISSN (Print) 2321 – 5526,Vol. 4, Special Issue 2, April 2016.
3.	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering IJIREEICE, “ Modeling and Simulation of Light Flicker meter using MATLAB ” ISSN (Online) 2321 – 2004 ISSN (Print) 2321 – 5526,Vol. 4, Special Issue 2, April 2016.
4.	International Journal of Innovative Research in Science, Engineering and Technology, “ Simulation and Implementation of Light Flickermeter ” ISSN(Online) : 2319-8753; ISSN (Print) : 2347-6710Vol. 5, Special Issue 9, May 2016.
5.	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering IJIREEICE, “ Performance Analysis of DC/DC converter in MPPT Based PV System ”, ISSN (Online) 2278 – 1021 ISSN (Print) 2319 – 5940,Vol. 5, Special Issue 2, April 2017.
International Conferences	
1.	A technical paper named“ Enabling hand as a 3-D mouse and controlling

	desktop applications using MEMS technology ”,at International conference on Power Electronics and Drives ICPEDS-NITTE 2014 held during 10-11 th April 2014, at NMAM Institute of Technology, Nitte.
2.	A technical paper named “ Experimental Analysis and Simulation of a LCLLoaded-Resonant Converter for DC-to-DC Energy Conversion Application ” at International Conference on Emerging Trends in Engineering (ICETE -2014) @ NITTE, 15th – 17th May, 2014ISBN: 978-93-83083-80-0 Stream: 4 Electrical, Electronics and Communication Engineering 217-220.
3.	A technical paper named “ Implementation of a Bi-directional Power Converter with Charging Feature and Simulation Using MATLAB/Simulink ” at International Conference on Emerging Trends in Engineering (ICETE -2014) @ NITTE 15th – 17th May, 2014 ISBN: 978-93-83083-80-0 Stream: 4 Electrical, Electronics and Communication Engineering 221-224
4.	A technical paper named “ A Control Strategy for a Positive Buck–Boost Converter using Buck and Boost Converter Combination ” at International Conference on Emerging Trends in Engineering (ICETE -2014) @ NITTE 15th – 17th May, 2014 ISBN: 978-93-83083-80-0 Stream: 4 Electrical, Electronics and Communication Engineering 228-231.
5.	A technical paper named “ An Intelligent System for Easy Navigation of Visually Impaired in Public Transit ” International Conference on Emerging Trends in Engineering (ICETE-2015) at NMAMIT, Nitte May 2015.
National Journals	
1.	A technical paper named “ A Control Strategy for a Positive Buck–Boost Converter using Buck and Boost Converter Combination ” has been selected and published in NMAMIT Annual Research Journal October 2014 volume 4, ISSN 2249-0426.
National Conferences	
1.	A technical paper named“ A Robust Controller using Fuzzy Logic and digital integrator for Buck Converters ”, at National conference on Advances in

	Electrical Engg. held during 14-15 th November 2008, at NMAM Institute of Technology, Nitte.
2.	A technical paper named “ The Role of Energy Storage Systems with FACTS Devices-A Review ” was presented in a National conference held during 11-12 th February 2011, at SJEC, Vamanjoor, Mangalore.
3.	A technical paper named “ Improved control strategy for three phase inverter module of UPS system ” was presented in a National conference held during 11-12 th February 2011, at SJEC, Vamanjoor, Mangalore
4.	A technical paper named “ Implementation of converter for commercial photovoltaic water pumping system ” at National conference on Advances in Electrical Engineering (NCAEE) at NMAMIT, Nitte April 2015.
5.	A technical paper named “ Implementation of converter for solar powered water pumping system ” at National Conference of Power System Engineering (NCPSE) organized at SDM college Dharwad April 2015.
6.	A technical paper named “ An Intelligent System for Easy Navigation of Blind in Mass Transit Using ZigBee Technology ” National Conference on Advances in Electrical Engineering (NCAEE-2015) at NMAMIT, Nitte April 2015.
<p>Additional Information</p> <p>(Major Workshops /STTPs / FDP Organized attended /, Resource Person in FDP/STTP/ Workshop, Member of Review committee in Journal, Research / Consultancy Activity associated</p>	
1.	Reviewer of Technical Papers in International conference on Emerging Trends in Engg (ICETE-2011) , ICETE-12, ICETE-2017.
2.	Reviewer of Technical Papers in NCAEE-12,NCAEE-13
3.	Question paper setter, Valuer and Lab Examiner for VTU and Mahe University
4.	Question paper setter for Kannur University
5.	BOS, BOE , DUGC member of EE Engg, NMAMIT, Nitte

6.	Member of Reception Committee , Stage setting Committee, cultural committee discipline committee in V.T.U. Fest, Technidarshan and Anandostva.
7.	Technical session chair in NCAEE 2015, NCAEE 2016, ICETE 2016,NCAEE 2017.
8.	Coordinator of "NCAEE08" National conference held at NMAMIT, Nitte, 14-15Nov, 2008.
9.	Coordinator of International conference (EE EnggDept) held at NMAMIT, Nitte, 4-5 May, 2011.
10.	Conducted National workshop on " Emerging Technology in Power Electronics-Broad Spectrum Review" during 28 -30th July, 2011 at NMAMIT, Nitte
11.	Convener of "Nitte Conference NCAEE-2016" held at NMAMIT, Nitte, on 11-12 April, 2016.