


Name	Pradeep Kumar		
	Designation	Assistant Professor Gd-III	
	Email	pradeep@nitte.edu.in	
	Contact No.	9448548622	
	Joining Date	15-09-2006	
Educational Qualifications			
M.Tech			
	Specialization	Computer Application to Industrial Drives	
	University	VTU, Belagavi	
	Year	2005	
B.E			
	Specialization	E&E	
	University	Mangalore	
	Year	2001	
Past Experience			
Teaching	Institution	Canara Engineering College	
	Position	Lecturer	
	From	15-08-2005	
	To	14-09-2006	
Industry	Name	M/S Levin Electrical, Bantwal	
	Position	Electrical Engineer	
	From	2001	
	To	2002	
Areas of Interest			

1.	Power Electronics application to Power Systems
2.	FACTS and HVDC
3.	Embedded Systems
Departmental Responsibilities	
1.	UG Coordinator
2.	NBA Coordinator
3.	Member of BoS, BoE, DAB, PAC
Subjects Handled	
1.	Basic Electrical Engineering (UG)
2.	Analog Electronic Circuits(UG)
3.	Electromagnetic Fields(UG)
4.	Microcontroller(UG)
5.	Linear Integrated Circuits(UG)
6.	Power Electronics(UG)
7.	Switched Mode Power Converter (UG/PG)
8.	Programmable Logic Controllers(UG)
9.	Industrial Drives and Applications(UG)
10.	Modeling and Simulation of Power Electronic Systems (PG)
11.	Embedded Systems(PG)
B.E., M. Tech, PhD projects guided (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.	Design And Implementation of DC PowerSupply Using Flyback Converter With PeakCurrent Mode Control, Nutana Shetty(4NM15EPE08), 2017

2.	Grid interfaced load compensating solar PV generation system without using PLL, Lavanya H (5ZD15EMS02), 2017
3.	Design of Net Meter Connected to PV Powered Microgrid, Vinayaka R Deskar (5ZD14EMS19), 2016
4.	Performance Analysis of Multiple Output Flyback Converter, BhagvanPatil (4NM14MES03), 2016
5.	Analysis of Boost Converter Fed DC Motor, Cleevan Deepak Britto (4NM14EPE08), 2016
6.	Prototype Development and Case Study of Vanadium Redox Flow Battery, Santhosh (5ZD14EMS13), 2016
7.	Switched Boost Inverter, Ms. Arunashree A. C, (4NM14EPE02), 2016
8.	An Advanced Technique for Motion Detection and Tracking, SwathiRai (5ZD13EMS18), 2015
9.	Smart PV Module, Chaithra Shetty, (5ZD13EMS05), 2015
10.	Intelligent Traffic Control System, Anudeep G N (5ZD12EMS02), 2014
11.	Low Power Design and Verification of a GPIO IP in a SoC Context, Shanawaz L P (5ZD12EMS20), 2014
12.	Modern Intelligent Control System Using Kalman Filter, NishaAnie Alexander (5ZD12EMS14), 2014
13.	Wireless Monitoring of Heartbeat Measure as Biopotential on Embedded System, Suparna G Banger, (5ZD12EMS23), 2014
B.E	
1.	Smart Helmet, Supriya KM, Shravan Shetty, Vidyashree, 2017
2.	Autonomous Vehicle, Bharath M, Akhilesh NG, Manikanta, 2017
3.	Sine wave inverter for solar energy, Nikil B Salian, Muthu Praveen,

	Prajwal, Prasanna Acharya, 2016
4.	Smart Charger, Bhavya AV, Gaesh Uttam Shet, Ashwini, Arlooru Nagaraj, 2016
5.	Health Monitoring System of Patient, Sherwin Ann Shaju, Greeshma R Shetti, Somesha Naik, 2015
6.	Multicolor LED Display, Prathijna Rao, Swathi V Shetty, Srijan Shetty, Prabhakar Kumar Pandey, 2015
7.	Conserving Water using PLC Based Adaptive Irrigation System, Rashih Salian, Adithya S Kamath, Harshith Kulai, Sundesha K, 2014
8.	Wireless Power transmission by magnetic coupling, Arati, Deepika H, Nagaveni, Kari D'Silva, 2014
9.	PID controller Based Stove Automation System Using Microcontroller, Nithish G Salian, Priyanka Kamath, Vivek Qiliyar, Saiman Shetty, 2013
10.	LED based street light for remote areas using sola power, Swathi Hatwar, Pallavi Shervegar, Pratiksha, Deepa Bhandarkar, 2012
11.	Synchronous Buck Converter, Aditya Padmashali, Chetan Midha, Rohit Jaiswal, Bijesh Bodheswaran, 2012
12.	Interactive Voice Response System for College Automation / Atul Pai T, Shridha Kini, Haseena Bhanu NA, Jayashree, 2011
13.	Voice /Sound Controlled Smart Wheelchair Using LabVIEW / Suraj Prabhu, Kishan Bangera, Sujay R Nayak, Praveen Kumar, 2011
14.	Automated Greenhouse using LabVIEW / Ramya Elsa Richi, Nayana N Shenoy, Sowjana S, 2011
Conference/Journal publications	
Kindly follow the format (Author(s) / Title/ Journal Name / Vol/ Issue /Date/Page)	
International Conferences	

1.	Raghavendra U, Pradeep Kumar "A New Face Recognition Method Using PCA, LDA and Support Vector Machine" The International Conference on System Dynamics and Control (ICSDC2010), 19th – 22nd August 2010, MIT Manipal
2.	Chetan.R and Pradeep Kumar "DSSPG: Deterministic Switching State Power Gating for Low power High speed VLSI design" International Conference on Emerging Trends in Engineering ICETE – 2012 during 15th – 16th June 2012 at NMAMIT, Nitte (Karnataka).
3.	SHILPA P. S, Mr. Pradeep Kumar, Methods of Battery Charging with Buck Converter Using Soft-Switching Techniques International Conference on Emerging Trends in Engineering ICETE – 2013, May 15th- 16th 2013 at NMAMIT, Nitte (Karnataka).
4.	NishaAnieAlexander , Pradeep Kumar, Vishvanath A.N, SanthoshMuthe "MODERN INTELLIGENT CONTROL SYSTEM USING KALMAN FILTER" International Conference on POWER ELECTRONICS & DRIVES [ICPEDS - Nitte2014], 10-11th April 2014 at NMAMIT, Nitte, IJMRAE, ISSN 0975-7074, Vol. 6 No. II(April 2014), pp-243-252. (IJMRAE International Journal of Multidisciplinary Research and Advances in Engineering) impact factor: 0.3095
5.	Suparna G. Bangera, Pradeep Kumar, "Wireless Monitoring of Heartbeat Measure as a Biopotential on Embedded System" International Conference on Emerging Trends in Engineering (ICETE -2014) at NMAMIT, Nitte 15th – 17th May, 2014, ISBN: 978-93-83083-80-0 Stream: 4 Electrical, Electronics and Communication Engineering pp no 225-227.
6.	SwathiRai, Mr. Pradeep Kumar, "An Advanced Technique for Motion Detection and Tracking", International Conference on Emerging Trends in Engineering. Nitte, held during 8th to 9th May 2015, Proceedings ISBN Number: 978-93-84935-30-6.
7.	Chaitra Shetty, Mr. Pradeep Kumar, "Smart PV Module" at the International conference on Emerging Trends on Engineering (ICETE-2015) at Nitte, NMAMIT Mangalore held on 8th -9th May 2015, Volume-II, ISBN: 978-93-84935-30-6.
8.	Vinayaka R Deskar, Prof. Pradeep Kumar, " Simulation of Net Meter Connected to Microgrid" Nitte Conference on Advances in Electrical Engineering NCAEE-2016 April 11-12, 2016, IJIREEICE, Vol. 4, Special Issue 2, April 2016, ISSN (Online) 2321 – 2004 , DOI 10.17148/IJIREEICE/NCAEE.2016.14
9.	Vinayaka R Deskar, Vinod Kumar M P, Pradeep Kumar, Swami Gururaj M, "Design of Net Meter Using FPGA" IEEE International Conference On Recent Trends In Electronics Information Communication Technology, May 20-21, 2016, Sri Venkateshwara College of Engineering, Bengaluru, India, 978-1-5090-0774-5/16/\$31.00 © 2016 IEEE
10.	Vinayaka R Deskar , Prof. Pradeep Kumar, "Design of Net Meter for Off Grid Microgrid" International Conference on Emerging Trends in Engineering – ICETE 2016, 12th &13th May 2016, IJIRSET, Vol. 5, Special Issue 9, May 2016 ISSN (Online) : 2319 – 8753, DOI:10.15680/IJIRSET.2016.0505617
11.	Santhosh, Pradeep Kumar, "Estimation of Effect of Characteristics Parameters on Flow Battery Operation" International Conference on Emerging Trends in Engineering – ICETE 2016, 12th &13th May 2016, IJIRSET, Vol. 5, Special Issue 9, May 2016 ISSN (Online) : 2319 – 8753, DOI:10.15680/IJIRSET.2016.0505619

12.	Santhosh, Prof. Pradeep Kumar, "Analysis of Various Power Losses in Vanadium Redox Flow Battery" Nitte Conference on Advances in Electrical Engineering NCAEE-2016 April 11-12, 2016, IJIREEICE, Vol. 4, Special Issue 2, April 2016, ISSN (Online) 2321 – 2004, DOI 10.17148/IJIREEICE/NCAEE.2016.08
13.	BhagvanPatil, Pradeep Kumar, "Performance Analysis of a Flyback Converter", International Conference on Emerging Trends in Engineering – ICETE 2016, 12th & 13th May 2016, IJIRSET, Vol. 5, Special Issue 9, May 2016 ISSN (Online) : 2319 – 8753, DOI:10.15680/IJIRSET.2016.0505636
14.	CleevanBritto, Pradeep Kumar "Analysis of Boost Converter Fed DC motor", IEEE Sponsored International Conference On Computation of Power, Energy, Information and Communication (ICCPEIC-2016) organized by Adhiparasakthi Engineering College Melmaruvathur, Volume-1, IISBN:978-1-5090-0901-5/16 2016
15.	CleevanBritto, Pradeep Kumar "Analysis of Boost converter fed DC motor" Nitte Conference on Advances in Electrical Engineering NCAEE-2016 April 11-12, 2016, IJIREEICE, Vol. 4, Special Issue 2, April 2016, ISSN (Online) 2321 – 2004, DOI 10.17148/IJIREEICE/NCAEE.2016.10
16.	Arunashree A. C and Pradeep Kumar, "Switched Boost Inverter" International Conference on Industrial Electronics and Electrical Engineering (ICIEEE) under Institute of Research and Journals, Published in Proceedings of 24th IRF International Conference, 15th May, 2016, Bengaluru, India, ISBN: 978-93-86083-16-6.
17.	Meghana N Gujjar and Pradeep Kumar, "Performance Analysis of Space vector pulse width modulation based Sensor less Field oriented control of Brushless DC motor", presented at National Conference on Advances in Electrical Engineering (NCAEE-2017) organized by NMAMIT, Nitte published in IJIREEICE, Volume 5, Special Issue 2, DOI 10.17148/IJIREEICE/NCAEE.2017.14
18.	Meghana N Gujjar and Pradeep Kumar, "Comparative analysis of Field oriented control of BLDC motor using SPWM and SVPWM techniques", presented at IEEE International Conference On Recent Trends In Electronics Information Communication Technology (RTEICT-2017) organized by Sri Venkateshwara College of Engineering Bengaluru, 2017 IEEE.
19.	Nutana Shetty, Prof. Pradeep Kumar, "Simulation of Flyback Converter with Peak Current Mode Control", DOI 10.17148/IJIREE-ICE/NCAEE.2017.18 in the National Conference on Advances in Electrical Engineering on 5th and 6th April 2017 held at N.M.A.M. Institute of Technology, Nitte.
20.	Nutana Shetty, Prof. Pradeep Kumar "Design and Implementation of DC Power Supply Using Flyback Converter", International Conference on Emerging Trends in Engineering 2017 organized by the NMAMIT, Nitte and Published in Special Issue of NMAMIT Annual Research Journal 2017

National Conferences

1.	Jyothish Kumar S. Y and Pradeep kumar "Design and Implementation of Fuzzy Controller on Embedded Computer for Water Level Control" National Conference on Advancement and Innovation in Electric Technology and Allied Science in Engineering AIEAIE– 2013, 28th April 2013 at Excel college of engineering and technology. Kommarapalyam (Tamil nadu).
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2.	Shanawaz L P, Pradeep Kumar, "Low Power Design and Verification of a GPIO IP in System on Chip Context", 1st IEEE National Conf. on Electrical & Electronics Engg., NCEEE-2014, 5 Jun 2014, HKBK College of Engg., Bangalore
3.	Swathi Rai, Mr. Pradeep Kumar, "An Improved Technique for Motion Detection", was orally presented in National Conference on Advances in Electrical Engineering, Nitte, held during 2nd of April 2015.
4.	Chaitra Shetty, Mr. Pradeep Kumar, "Maximum Power Point Tracking System for Pixel" at the National Conference on Advances in Electrical Engineering (NCAEE-2015) at Nitte, NMAMIT Mangalore held on 2nd April 2015.

Additional Information

(Major Workshops /STTPs / FDP Organized attended /, Resource Person in FDP/STTP/ Workshop, Member of Review committee in Journal, Research / Consultancy Activity associated

1.	AICTE QIP sponsored Short Term Course on ICT Solutions for Issues and Challenges in Smart Grid Technology (ICTSSGT), Pondicherry Engineering College Puducherry, 28th November to 2nd December, 2016
2.	Research Methodology and Latex, MITE, Moodabidri, 19-21 July, 2016
3.	Attended Mission 10X – UTLP Practitioner Training Program conducted at Wipro Technologies, Bangalore during 3 Dec to 7 Dec 2012.
4.	Attended a workshop by IUCEE on Graphical System Design using LabVIEW – I conducted by National Instruments at Infosys Mysore during 29 June to 3 July 2009.
5.	Mentor for a consultancy project on MPPT based solar inverter from M/S Digital Circuits Pvt Ltd. Bangalore.

Pradeep Kumar	Resource Person	Workshop	TECHNICAL	Resource Person in Two day workshop on "Transform Techniques and MATLAB Applications"	NMAMIT, Nitte	16 - 17	April	2015
Pradeep Kumar	Attended	FDP	TECHNICAL	Application of LabVIEW to Automation and Robotics	NMAMIT, Nitte	25-27	July	2016
Pradeep Kumar	Deputed	FDP	TECHNICAL	ICT solutions for Issues and Challenges in Smart Grid Technology	Pondicherry Engineering College, Pondicherry	28 th to 2 nd	December	2016
Pradeep Kumar	Attended	Workshop	HRD	Research Methodologies and Latex	Mangalore Institute of Technology and Engineering, Moodabidre	19 th to 21 st	July	2016
Pradeep	Attended	Workshop	HRD	Writing an Effective	NMAMIT,	24	Oct	20

Kumar				Project Proposal	Nitte			16
Pradeep Kumar	Attended	Conference	TECHNICAL	NCAEE 2017	NMAMIT, Nitte	5	April	2017
Pradeep Kumar	Resource Person	FDP	TECHNICAL	Control of Power Electronic Converters	NMAMIT, Nitte	17-21	July	2017
Pradeep Kumar	Attended	Workshop	TECHNICAL	IonCudos Workshop	NMAMIT, Nitte	25-26	April	2017