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| Name | K. LathaShenoy | | |
|  | Designation | Assistant Professor | |
| | Email | lathashenoy@nitte.edu.in | |
| | Contact No. | 9901645655 | |
| | Joining Date | 24/07/2009 | |
| Educational Qualifications | | | |
| Ph.D | | | |
| | Specialization | Renewable Energy | |
| | University | REVA University, Bangalore | |
| | Year | 2014 | |
| M.Tech | | | |
| | Specialization | DEAC | |
| | University | MIT | |
| | Year | 2007 | |
| B.E | | | |
| | Specialization | E&E | |
| | University | NMAMIT | |
| | Year | 1996 | |
| Past Experience | | | |
| Teaching | Institution | CEC | |
| | Position | AP | |
| | From | 2004 | |
| | To | 2005 | |

| Areas of Interest | |
|--|--|
| 1. | Renewable Energy |
| 2. | Power Electronics |
| 3. | Control System |
| Departmental Responsibilities | |
| 1. | R & D, Product Cell development |
| 2. | Alumni Coordinator |
| 3. | NitteNews Bulletin |
| 4. | Board of Examiners (BOE) |
| Professional Memberships | |
| 1. | ISTE |
| Subjects Handled | |
| 1. | Basic Electrical Engineering |
| 2. | Network Analysis |
| 3. | Logic Design |
| 4. | Electrical Measurement |
| 5. | Control System |
| 6. | FACTS |
| 7. | VLSI Design |
| 8. | PWM Converter & Applications |
| 9. | Microprocessor 8085 |
| 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. | "ZIGBEE based wireless air pollution monitoring" |

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| | By SudarshanKappadi/2014 |
| 2. | "Automated transmission for vehicle system using can protocol " By Yaseen Akbar Makandar/ 2014 |
| 3. | "MEMS based robotic device with home appliance Control" By Vidyashree M/2015 |
| 4. | "Development of solid state modulator for a high power pulse transmitter"By Swetha M /2015 |
| 5. | "Design of power amplifier to simulate and test PV system installations" By B.V. Adarsh /2016 |
| 6. | "GPRS based SCADA implementation for multisensory security with SMS alerts " , By Priyanka S M / 2016 |
| 7. | "Design and analysis of synchronous buck converter for led application" , By Deekshitha C / 2017 |
| B.E | |
| 1. | "Wireless speed control of single phase induction motor" – By AbhijithAnchan, Ahmed Shazali, Devi Rakshith, John Johan/2014 |
| 2. | "Solar Battery Charges using buck boost converter"- By Anusha , AvithaTellis, RaisahDilkush, Aranha Mellissa Martina M /2014 |
| 3. | "Fault detection and performance monitoring of drilling machine" By Adarsha Kumar, SanathRai, PrafulPoojary , Santhosh Kumar N /2015 |
| 4. | "Single phase Z Source Inverter" – By AkshayUmeshPai, Asif Salman Ahmed, Eshaan Sharma, Kunal Singh/ 2016 |
| 5. | " Smart Unicycle" – By RohanPremanand , p Sooraj, RishavKunal /2017 |
| Conference/Journal publications | |
| Kindly follow the format (Author(s) / Title/ Journal Name / Vol/ Issue /Date/Page) | |
| International Journals | |
| 1. | |
| 2. | |
| International Conferences | |
| 1. | SwethaM,LathaShenoy K, "Solid State Power Modulator For An High Power Pulse Transmitter", International Conference on Emerging Trends in Engineering(ICETE- 15), N.M.A.M. Institute of Technology, Nitte , ISBN: 978-93-84935-30-6 ,May 8-9, 2015. |
| 2. | LathaShenoy, Priyanka, "GPRS Based SCADA Implementation For Multi |

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|---|--|
| | Sensor Security With SMS Alerts”, Vol.2, Special issue2, IJIREEICE, - ISSN (Online) 2321-2004, DOI: 10.17148/IJIREEICE/NCAEE.2016.08, Nitte Conference on Advances in Electrical Engineering NCAEE-2016, NMAMIT, Nitte 2016. |
| 3. | LathaShenoy, B. V. Adarsh, "Flyback topology based Power Amplifier for PV system Applications", 2016 International Conference on Computation of Power, Energy Information and Communication (ICCPEIC), 978-1-5090-0901-5/16/\$31.00 ©2016 IEEE. |
| 4. | LathaShenoy, M. Satyendra Kumar, Professor, "Design Topology and Electromagnetic Field Analysis of Permanent Magnet Brushless DC Motor for Electric Scooter Application", Design Topology and Electromagnetic Field Analysis of Permanent Magnet Brushless DC Motor for Electric Scooter Application, 978-1-4673-9939-5/16/\$31.00 ©2016 IEEE |
| 5. | K. LathaShenoy, Dr. C.G.Nayak and Dr. Rajshekar P Mandi, “ MPPT Enabled SPWM based bipolar VSI design in photovoltaic applications ”,ELSEVIER materials today PROCEEDINGS ISSN 2214-7853, International Conference on processing of materials, minerals and energy (PMME-2016), 29-30 July 2016 . |
| 6. | |
| National Conferences | |
| 1. | K. LathaShenoy, Dr. C.G.Nayak and Dr. Rajshekar P Mandi, “ Design and Simulation of Incremental Conductance MPPT algorithm for PV applications”, Asian Journal of Engineering and Technology Innovation – ISSN 2347-7385, National conference on recent trends in control strategies for integration of distributed generation sources to grid and control of their power quality issues at REVA university, Bangalore on 22-23 July 2016. |
| 2. | ViyashreeM,LathaShenoy k, “Head Gesture Based Robotic Device with Home Appliance Control Using MEMS Technology”, International Conference on Emerging Trends in Engineering(ICETE-15), N.M.A.M. Institute of Technology, Nitte , ISBN: 978-93-84935-30-6 ,May 8-9, 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. | National Level 4 day workshop on “ Introduction to Therapeutic Counseling for engineering teachers” held at NMAMIT, Nitte on 25-28 th July 2011 |

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| 2. | "Signal Processing Architecture with Microcontroller Features", held at NMAMIT, Nitte on August 2012 |
| 3. | FDP on " Labview and its Industrial Applications FDPLV-2012", conducted at MIT, Manipal during 23-27 th July 2012 |
| 4. | FDP on " Industrial digital design with verilog HDL", organized by the dept of E&C AIET, Mijar during 29-30 th December 2014 |
| 5. | FDP on " Theory and modeling of VSC based FACTS controllers", organized by NMAMIT, Nitte from 21-25 th July 2014 |
| 6. | Workshop on MISSION 10X conducted at NMAM Institute of Technology, Nitte on 9 th March to 11 th March 2015 |
| 7. | FDP on "Embedded System design based on ARM CORTEX M3" orgnised at NMAMIT, Nitte from 19-21 st December 2016 |
| 8. | FDP on "Applications of PSCAD" held at NMAMIT, Nitte during Jan 11 th to 12 th 2017 |
| 9. | FDP on "Control of Power Electronic Converters", held at NMAMIT, Nitte from 17 th to 21 st July 2017 |