

Nirma University

Nirma University was established by the initiative of the NIRMA EDUCATION AND RESEARCH FOUNDATION (NERF). The University was established in the year 2003 as a statutory university under a special act passed by the Gujarat State Legislative Assembly. It is recognized by the University Grants Commission (UGC) under Section 2(f) of the UGC Act. The University is duly accredited by National Assessment and Accreditation Council (NAAC) with “A+” Grade. The University is a member of Association of Indian Universities (AIU) and the Association of Commonwealth Universities (ACU).

Functioning under the aegis of NERF, the University consists of Institute of Technology, Institute of Management, Institute of Pharmacy, Institute of Law, Institute of Science, Institute of Architecture and Planning, Institute of Commerce and Institute of Design. The University is identified with cutting edge research, robust academic programmes, quality teaching learning process and over-all personality development interventions of its students. The 110 acres sprawling state of art campus provides refreshing environment and stimulates intellectual growth and creativity.

About Institute of Technology

Institute of Technology is a leading institute offering multidisciplinary undergraduate, postgraduate, MCA and PhD programmes in engineering. Institute is located in peaceful and sylvan surroundings, about 15 km from Ahmedabad Railway Station on Sarkhej Gandhinagar highway. The academic ambience provides full scope for development. The presence of the institute can also be felt by its alumni spread across National and Multinational organizations as well as leading Universities throughout the world. The institute provides an inspiring environment to all students to expand their intellectual dimension and recognize their hidden talents, not only in the technical field, but also in life skills.

Special Achievements

- National Award for Engineering College having Best Overall Performance for the year 2002 by Indian Society for Technical Education (ISTE).
- National Awards for the Best Teacher in Gujarat State, Best Chapter Award, Best Student Chapter Award several times by ISTE.
- Students won National ROBOCON competition in 2002, 2003, 2006, 2008, 2011, 2014, 2015, 2021, 2022 and represented India in International meets.
- The Team Stallions of Nirma University participated in 8th Electrical Solar Vehicle Challenge 2021 and won 8 awards and a cash prize of Rs. 1,30,000/-.
- Institute has been ranked in top 20 Engineering Colleges across the country as per the survey published by various leading magazines.

About Centre For Continuing Education

Nirma University has established a Centre For Continuing Education with the following objectives:

- To provide need based continuing education, knowledge, training etc. in various fields to all stakeholders.
- To assist working professionals in the industry in widening their knowledge base and in improving their skills.
- To identify employment potential areas and to conduct competency based skilled development programme.
- To conduct short duration and long duration programmes in Management, Engineering and Technology, Pharmacy, Science, Law, and Architecture.
- To conduct training programme for competitive examinations.
- To coordinate the continuing education programme offered by various Institutes at the University level.



Workshop on “Control of Grid Connected PV System”

16th September 2023

Programme Coordinator

Dr. Abhisek Parida & Prof. V V S Karri
(Assistant Professor, Electrical Engineering)



Conducted By

*Department of Electrical Engineering,
Institute of Technology,
Nirma University*

Organized By

**Centre for Continuing Education
Nirma University**

Address for Correspondence:

Coordinator – Centre for Continuing Education
A Block, Nirma University
Sarkhej-Gandhinagar Highway
Near Chharodi,
Ahmedabad 382 481, Gujarat
Phone: 02717 241911-15, 07971652106
Fax: 02717 241917

Objective of the Programme

The workshop aims to explore how PV can be effectively connected to grid. The workshop aims to equip participants with the design aspects of grid connected PV systems, control strategies of ac and dc microgrids, implementation of standalone PV system using high gain converter by STM32 microcontroller. During this workshop the participants will gain necessary knowledge and skills related to implementation of effective grid control techniques and power management in grid connected PV system.

Outline of Contents

- Structure and control strategies of AC and DC microgrids.
- Power management for grid connected PV system.
- Simulation of various control strategies for grid connected PV system.
- Control of grid connected PV system using high gain dc-dc converter.
- Implementation of standalone PV system using high gain dc-dc converter with STM-32 microcontroller.

Important Dates

Receipt of Application: 13/09/2023

Confirmation of Selection (by email): 14/09/2023

For Whom

Faculty members, research scholars, practicing engineers, students from engineering colleges, polytechnic institutes and other academic institutions can apply.

How to Apply

The applicants are required to send completely filled in application form (photocopy may also be used) along with the registration fees so as to reach the coordinator on or before 13th September, 2023.

Course Registration Fees

Fees	Types of Participants
Rs. 250	Nirma University Students
Rs. 600	External Students
Rs. 500	Nirma University Faculty
Rs. 1000	External Faculty
Rs. 1200	Personnel from Industry/R&D Organizations

The course materials and certificate will be issued to all the participants. All other expenses are to be borne by the participants. Registration charges are non-refundable. Participants are required to make their own arrangements for lodging, boarding and travelling. However, on request, the arrangement for accommodation can be made on chargeable basis.

Bank Details for Online Transfer

Account Name	Centre For Continuing Education
Address	Nirma University Sarkhej Gandhinagar Highway, Ahemdabad - 382481
Name of the Bank	The Kalupur Commercial Cooperative Bank Limited
Name of the Branch	Nirma University
Branch Address	Nirma University Sarkhej Gandhinagar Highway, Ahmedabad - 382481
Bank IFSC Code	KCCB0NRM097
9 Digit MICR Code	380126029
Bank Account No.	09720180200

Fees can be paid by Cash/Demand Draft/Local Cheque.
Demand Draft / Cheque should be drawn in favor of
“**Centre for Continuing Education, Nirma University**”
payable at Ahmedabad

For further details, contact:

Dr. Abhisek Parida / Prof. V V S Karri

Mobile No. +91 7008425990 / +91 9724749918

Email: abhisek.parida@nirmauni.ac.in

Web site: www.nirmauni.ac.in

Nirma University Centre for Continuing Education NAAC Accredited ‘A+’ Grade

APPLICATION FORM

Workshop on “Control of Grid Connected PV System” 16th September 2023

1. Name Mr./Ms/Prof./Dr.
2. Age years
3. Edu. Qualification (Highest).....
4. Designation
5. Organization
6. Internal/External Student.....
7. If Internal Student Specify Roll No
.....
8. Address
Phone.....
Email.....
9. Experience (years) in relevant area
(if applicable)
Academic:.....
Industry:.....
10. Demand Draft/Cheque No..... Dated.....
Bank with Branch:-

Date :

Place :

Signature of Participant

Certified that the above applicant is a student/employee in our institution/organization and the information stated by him/her is verified and found correct. We therefore, sponsor him/her to attend the short-term training organized at your institute

Signature of Authority
with Seal