

Completed Registration form along with one page write up (on reasons to attend this course) should be sent by Email to gneqipee@gmail.com.

Dr. Navneet Singh Bhangu
(Course Coordinator)

Er. Harmeet Singh Gill, Dr. Arvind Dhingra
(Course Co-Coordinator)

Department of Electrical Engineering
Guru Nanak Dev Engineering College,
Ludhiana, Punjab, 141006

Please send single email with attachments as:

- (a) the one page write-up and
- (b) scanned copy of the filled in and signed form.

The title of the email should be "QIP course on EMERGING TECHNOLOGIES AND ADVANCEMENTS IN ENERGY SECTOR".

IMPORTANT DATES

Deadline for submitting Application: 15 November 2017
Notification of Acceptance: 20 November 2017

VENUE FOR COURSE

Consultancy Hall, Computational Lab., GNDEC, Ludhiana.

DATE & TIME FOR REGISTRATION

November 27, 2017, 9 AM at the venue for the course.

ELIGIBILITY

Industry Person, Research Scholars and Faculty members of degree level engineering colleges recognized by AICTE are eligible to attend the course.

COURSE EVALUATION

Successful participants would be awarded
'Course Completion Certificate'.

REGISTRATION

There is no registration fee for the course. All short-listed candidates are required to confirm their participation by sending a Cheque/Demand Draft of Rs. 1000/- in the name of "Director, GNDEC, Ludhiana".

The above amount will be refunded to the participant if he/she attends the course. In case a participant does not attend the course, the above amount will be forfeited. Shortlisting and confirmation of eligible candidates will be on a first come first served basis up to a maximum of 30 candidates.

TRANSPORT, BOARDING & LODGING

Participants are entitled for II class (Sleeper Class) or AC railway fare to and fro by the shortest route from college to GNDEC, Ludhiana. Accommodation will be provided in the students Hostels or Guest House on sharing basis.

FACULTY COORDINATOR

Pf. Jaswinder Singh

COURSE COORDINATOR

Dr. Navneet Singh Bhangu

COURSE CO-COORDINATOR

Er. Harmeet Singh Gill

Dr. Arvind Dhingra

ORGANIZING COMMITTEE

Faculty of Electrical Engineering

GUEST FACULTY (OUTSIDE INSTITUTE)

1. Dr. H.K. Grewal (Ex-Principal GNDEC Ludhiana)
2. Dr. G.L. Pahuja (NIT Kurukshetra)
3. Dr. Ashwani Kumar Sharma (NIT Kurukshetra)
4. Dr. J. S. Dhillon (SLIET, Longowal)
5. Dr. R.K. Jarial (NIT, Hamirpur)
6. Dr. Parag Nijhawan (Thapar University, Patiala)
7. Dr. Y.P. Verma (UIET, Chandigarh)
8. Dr. Satish Kansal (BHBSIET, Leharagaga)
9. Dr. Sandeep Kaur (PEC , Chandigarh)
10. Er Pritam Singh (Entrepreneur)
11. Er. Abhishek Chauhan (PSCSST, Chandigarh)
12. Er. Tejinder Singh (PEC , Chandigarh)
13. Sh. Anupam Nanda (DM, PEDDA)

QIP Short Term Course

On

**EMERGING TECHNOLOGIES AND
ADVANCEMENTS IN ENERGY SECTOR**
(27th November 2017 to 1st December 2017)



Department of Electrical Engineering
Guru Nanak Dev Engineering College
Ludhiana, Punjab - 141006
Mobile: +91-987-282-7229,
+91-950-109-5000,
+91-981-416-3429
Email: gneqipee@gmail.com
www.gndec.ac.in

ABOUT THE INSTITUTE

Guru Nanak Dev Engineering College (An Autonomous College under UGC Act), established in 1956, has been straining persistently in the field of education by comprehending the need for up-liftment of rural youth in highly competitive, technologically-elevated society, in particular, and understanding the thirst for knowledge of students and quenching it in general. The College has been declared an Autonomous College by UGC, New Delhi on 17.8.2012. This college has the privilege of starting Ph.D degree under Quality Improvement Programme (QIP) by AICTE, New Delhi. Apart from offering various Accredited graduate level B.Tech courses vis-a-vis Civil Engineering, Computer Science & Engineering, Electrical Engineering, Electronics & Communication Engineering, Mechanical Engineering, Production Engineering, Information Technology, the institute imparts instruction in eleven Postgraduate M.Tech courses both on regular and part time basis. An excellent platform is provided to the researchers leading to Ph.D degree program.

ABOUT THE DEPARTMENT

The department of Electrical Engineering started with an initial intake of 30 students in UG Program in 1957. At present the intake in UG program is 90. In 1982, the department started a part-time PG Program (Electrical Engg.) with an intake of 13 students and in 1997, a full time PG program (Power Engg.) with an intake of 13 students. At present the intake to full time PG program is 25 students. The department is an authorized research centre of Punjab Technical University for Ph.D. and its course work. Keeping in view the graduate attributes of ethical practices and social responsibility, green and clean energy obligation, the department has taken the initiative of starting a 50 kWp rooftop grid connected solar power plant in college premises. Also 150 kWp rooftop grid connected solar power plant is in the process of installation.

OBJECTIVE OF THE COURSE

It will be a small step forward for making the individuals familiar with best and viable solutions for promotion of energy efficiency, its conservation and latest trends in power sector as well as renewable energy sector.

COURSE CONTENTS

1. Congestion Management.
2. Performance and Feasibility of Mini and Macro Hydel Plants and Biogas Plants.
3. Dynamic Pricing in Power Sector and hands on with GAMS software.
4. Reliability of Power Systems from recent advancements point of view.
5. Transmission Life Span.
6. Energy Conservation and Energy Auditing.
7. Optimization Techniques and Software's in Modern Power System.
8. Power Quality and Practical aspect of Power Analyzer.
9. Solar Technologies.

COURSE BENEFICIARIES

Faculty members pursuing Ph.D/ Research Scholars

BROAD SUBJECT AREA

1. Latest trends in energy sector that are being followed for electrical energy conservation and auditing.
2. Recent developments in Generation, Transmission and Distribution.
3. Emerging Trends in Renewable Energy Sources.

RELATED DISCIPLINES

Interdisciplinary

COMMITTEE MEMBERS OF EE. DEPT.

Pf. Khushdeep Singh
Pf Preetinder Singh
Pf Rupinderjit Singh
Dr. Kanwardeep Singh
Pf Gagandeep Singh
Pf. Harminder Singh
Pf. Ravinder Kaur
Pf Shivani Arora
Pf. Tarandeep Kaur
Pf. Samreet Kaur
Pf Neha Kaushal
Pf Baljeet Singh
Pf. Sonia Grover.

NOTE: For additional copies of the registration form, use a photocopy of this brochure or type in the format given.

For further details: <http://www.gndec.ac.in>

**Guru Nanak Dev Engineering College Ludhiana,
Punjab-141006**

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(27th November 2017 to 1st December 2017)

APPLICATION FORM

1. Name
2. Educational Qualification
3. Designation.....
4. Institute.....
5. Address for Correspondence.....
.....
- Phone:
- E-Mail:
7. Experience.....
8. Accommodation Required Yes/No

Signature of the Applicant

Signature of Head of the College / Institute (with date & seal).

(Important: By signing above head of the College/Institute certifies that applicant is a faculty member of degree level engineering college recognized by AICTE)
** Form should be complete otherwise the application will be rejected