

The Seminar is multidisciplinary in nature. Faculty and research scholars/M.Tech students of all streams are encouraged to participate. Limited number of seats is available and shall be filled up at the discretion of organizing committee. Registration forms duly forwarded by concerned authority may be mailed to arvinddhingra@gndec.ac.in

### Important Dates

Registration deadline 1<sup>st</sup> November, 2016

Acceptance Notification 2<sup>nd</sup> November, 2016

### Registration Fees

Research Scholars/Students Rs. 250/-

Industry Sponsored Rs. 1000/-

Faculty/Academicians Rs. 500/-

25% concession to members/ student members of The Institution of Engineers (India) is admissible on the above registration fees.

Fees to be paid by cheque in name of Director, Guru Nanak Dev Engineering College, Ludhiana, Punjab, India.

### Seminar Core Committee:

**Chief Patron** Dr. M.S.Saini,  
Director, GNDEC

**Patrons** Brig.(Retd.) Mastinder Singh,  
Chairman, IE(I), LLC  
Er. Gurpreet Singh Walia,  
Hony. Sec. IE(I), LLC

**Chairman:** Er. Jaswinder Singh,  
HOD (EED), GNDEC, Ludhiana

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Dr. Y.S.Brar, Professor, IKGPTU, Kapurthala  
Dr.Piush Verma, Director, Ryat Campus, Patiala

### Organizing Committee

Er. Khushdeep Singh, Associate Professor, GNDEC, Ludhiana  
Er. Preetinder Singh, Associate Professor, GNDEC, Ludhiana  
Er. Rupinderjit Singh, Associate Professor, GNDEC, Ludhiana  
Dr. Kanwardeep Singh, Associate Professor, GNDEC, Ludhiana  
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Dr. N.S.Bhangu, Asst. Professor, GNDEC, Ludhiana  
Er. Harmeet Singh Gill, Asst. Professor, GNDEC, Ludhiana  
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Er. Neha Kaushal, Asst. Professor, GNDEC, Ludhiana  
Er. Amit Kumar, Asst. Professor, GNDEC, Ludhiana

## SGASE'16

# National Seminar on Smart Grid and Alternative Sources of Energy

(4<sup>th</sup> November, 2016)

in association with  
The Institution of Engineers (India)  
Ludhiana Local Centre



**Convener**  
Er. Arvind Dhingra

**Department of Electrical Engineering  
Guru Nanak Dev Engineering College,  
Gill Road, Ludhiana-141006.**

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## SGASE'16

### About the Institute

Guru Nanak Dev Engineering College, Ludhiana is one of the pioneering engineering institutes of the country. Run under the aegis of Nankana Sahib Educational Trust and started in 1954, the college has produced engineers who have held the nation's flag high. The college boasts of excellent infrastructure and state of the art laboratories. The college campus sprawling 88 acres is within the municipal limits of city of Ludhiana. The college offers 7 under graduate courses and 12 post graduate courses of engineering and management.

The college is approved by AICTE, affiliated to Punjab Technical University and accredited by NBA & NAAC. The institute is also certified for ISO 9001-2015. Lush green lawns, well stocked electronically enabled library, well laid out sports fields provide a perfect ambiance for learning. The college has been rated as the best government engineering college in Punjab by OUTLOOK magazine survey.

### About the City

The city of Ludhiana is known as Manchester of India. The city is known for bicycles, cycle parts, sewing machines, hosiery etc. The establishment of city dates back to 116<sup>th</sup> century when the Lodhi dynasty set up the city on banks of river Sutlej. The city is now a bustling metropolis with all modern amenities.

### About the Seminar

The world is faced with challenges of depleting resources and increasing demands of power. Although efforts have been made to add and explore new sources of power but the effects associated with the capacity addition have posed challenge to the researchers and academicians.

The increasing green house gases, global warming due to emissions, deforestation and inundation of land due to hydel projects have all put dampers on addition of capacity. Hence, there is a need to think and re-plan the strategy so as to meet the ever growing demand for energy.

This seminar is being organized in association with The Institution of Engineers (India), Ludhiana Local centre. In addition to inputs on the ever relevant topic of alternative sources of energy, the thrust would also be given on theme of Smart Grid. Learned professionals from academia and industry shall be delivering expert talks.

Smart Grid as defined by Wikipedia is an electrical grid which includes a variety of operational and energy measures including smart meters, smart appliances, renewable energy resources, and energy efficiency resources. Since smart grids have become relevant in the context of deregulated power system, hence, it is pertinent for all to have an insight on them.

Guru Nanak Dev Engineering College  
Ludhiana, Punjab – 141006

National Seminar  
on  
Smart Grid and  
Alternative Sources of Energy  
(4<sup>th</sup> November, 2016)

### APPLICATION FORM

1. Name.....
2. Educational Qualification.....
3. Designation.....
4. Institute.....
5. Nationality.....
6. Address for Correspondence.....  
.....
7. Phone.....
8. E-Mail.....
9. Details of Fees  
Amount..... Ch. No.....  
Date..... Bank.....

Signature of the Applicant

Signature & Stamp of Forwarding Authority