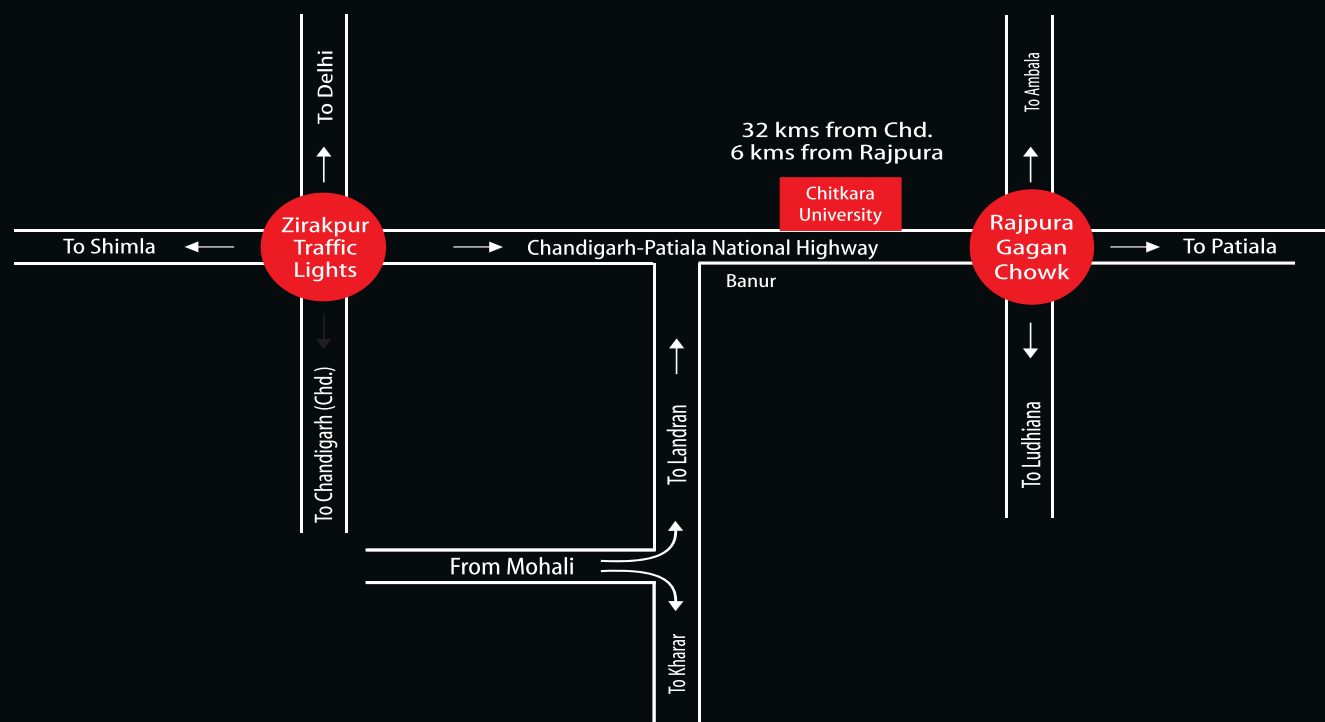




## State Level Debate Competition for Engineering Students

### Guide Map



**CHITKARA UNIVERSITY - PUNJAB**  
Chandigarh-Patiala National Highway (NH-64) | Punjab



## ENERGY EFFICIENCY AND CONSERVATION

*Date*  
**16<sup>th</sup> April, 2015**

*Venue*  
**Chitkara University,  
Rajpura, Punjab**

*Organised by*

- Punjab Energy Development Agency, Chandigarh
- Punjab State Council for Science & Technology, Chandigarh,
- Chitkara University, Punjab

# ENERGY EFFICIENCY AND CONSERVATION

## INTRODUCTION

The industrialisation and development in today's world would not have been possible without energy-a resource. The requirement of energy has increased manifold in the last two decades. It is a challenge to meet the ever increasing energy demands with limited natural resources besides protecting the environment. The augmentation of power sector by capacity addition requires huge investment. The situation calls for creating a new focus on energy management i.e. judicious and effective use of energy. To signify importance of energy and its conservation, Bureau of Energy Efficiency (BEE), Ministry of Power, Government of India and Punjab Energy Development Agency (PEDA) - a State Nodal Agency have taken an initiative to create mass awareness amongst budding engineers in the State of Punjab. In this context, State Level Debate Competition on Energy Efficiency and Conservation is being organised jointly by Punjab State Council for Science and Technology Chandigarh and Chitkara University, Punjab.

## Objective

The debate competition on 'Energy Efficiency and Conservation' aims to sensitize students about energy conservation and management. The competition also endeavours students to nurture their analysing, developing and presenting skills.

**The theme of debate has been categorised as follows:**

### I. Energy Efficient Design of Buildings

Modernised architecture and efficient building construction technology have changed the sphere of infrastructural scenario. On one hand efficient building design is considered as an important aspect for managing energy resources and on another hand it is targeted with critical acclamation with the facts of higher cost, durability and sustainability. Considering both aspects, participants have to deliver debate conversation with one participant in favour and his teammate in against.

### II. Energy Efficiency in Electronics and I.T. Sector

IT and Electronics sectors are considered to be the most compatible and least energy consuming sources of modern era but due to their rapid extensions, these sectors seem to get off track from beneficial point as they promised. Participants have to prepare a debate conversation in relation with energy management in these sectors (e.g. energy being wasted in online storage devices, in standby mode and breakdown of circuits etc.).

### III. Sustainable and Energy Efficient Utilities in Industry

There is a deep relationship of energy consumption with industries. Industries are entitled as back bone of any country and energy is reason for its sustainability. A high amount of thermal and electrical energy can be conserved in manufacturing and power plants at various stages. Participating teammates have to set up conversation where one agrees with modifications to be made in the technology for conservation of energy and other will counter its points with liable and challenging facts for this process.

### IV. Energy Efficiency in Transport Sector and Energy Efficient Appliances

Transportation is responsible for a large share of energy use. Almost all of transportation energy use is in the form of petroleum. The environmental costs of burning petroleum products are enormous and also results in large drain of resources. The time has come to shift to alternative fuels and technologies, implement energy efficiency measures and use resources judiciously for sustainable energy and environment.

The appliances market is booming market in India. The appliances category is rapidly increasing and is impacting energy demand in the country. This demand needs to be managed by stringent policy framework. The Standards and Labelling Program is one step in this direction. The development, awareness and implementation of new technologies, economy, reliability and sustainability are debatable issues.

## General Guidelines-

1. Maximum of three teams of each college can participate. Each team should prepare content related to one of the categories given.
2. Each team consists of two members - one for the motion and other against the motion. Participants of each team shall follow the sequence for debating their topic as 'for-against-for-conclusion'.
3. Each team will present their views within five minute followed by two minute cross question and conclusion.
4. Emphasis will be laid on quest of knowledge, practicality of subject matter and presentation skills.
5. Non-Parliamentary language is strictly prohibited.
6. It would be considered undesirable using false comments for any organisation or government policy.
7. The participants should be in possession of college/institute/university identity cards.

## Program Schedule

- 09:00 - Registration
- 09:30 - Commencement of session
- 13:30 - Lunch break
- 14:30 - Session continues
- 16:00 - Valedictory session

All the debate sessions shall be held concurrently category wise.

## Eligibility

Students pursuing B.Arch. or B.Tech./B.E. program in any stream in college situated in state of Punjab.

## Registration

Prior registration is mandatory. The duly filled registration form should be submitted at energyconservation2015@gmail.com latest by ~~30<sup>th</sup> March, 2015~~. No forms will be entertained after last date.

**Date Extended - Last Date of registration is extended to 10<sup>th</sup> April,2015.**

## Prizes

Trophies and certificates shall be awarded to winner and runner up teams. Participation certificates shall be given to all.

## For details contact:

### Ms. Anu Singla

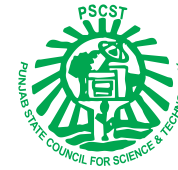
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**State Level Debate Competition  
For Engineering Students  
ENERGY EFFICIENCY AND CONSERVATION**

*April 16, 2015*

**REGISTRATION FORM**

*(To be submitted separately for each team)*

*Date :* \_\_\_\_\_

College/Institute : \_\_\_\_\_

Team no. : \_\_\_\_\_

Details of 1st participant:-

Name \_\_\_\_\_

Branch/Sem \_\_\_\_\_

Father's name \_\_\_\_\_

Contact no \_\_\_\_\_

Email Id - \_\_\_\_\_

Details of 2nd participant:-

Name \_\_\_\_\_

Branch/Sem \_\_\_\_\_

Father's name \_\_\_\_\_

Contact no \_\_\_\_\_

Email Id \_\_\_\_\_

\*Specify the Selected Topic and Category (Refer to information brochure):-

\_\_\_\_\_

**Venue :** Chitkara University, Rajpura, Punjab

\_\_\_\_\_  
*Head of Institute  
(Signature with College Seal)*

**Note : The duly filled registration forms shall be mailed at  
energy conservation 2015@gmail.com latest by 10<sup>th</sup> April,2015.**