

**U.T. Administration of Daman & Diu**  
**Office of the Principal,**  
**Government Polytechnic,**  
**Varkund, Daman – 396 210**

No. 10.2-EST-GP(VOL.10)/2019-20/327

Dated: 25/06/2019

**ENERGY COMMITTEE ORDER**

As per content received on 06/06/2019 regarding “Establishment of Energy Club” in Government Polytechnic, Daman from Principal office to take initiative to form the energy Club and prepare a committee of one representative from each department.

Sr.No.	Name & Designation	Designation in the committee
1)	Dr. Ashish Maheshwari Lecturer in Electrical Engineering	Coordinator of Institute for Energy Club
2)	Shri Ranjeet Yadav Lecturer in Electronics & Communication	Member
3)	Shri Sushil Baghi Lecturer in Computer Engineering	Member
4)	Shri Ramesh Kumar Trumuluru Lecturer in Electrical Engineering	Member
5)	Shri Rajesh Kumar Pendem Lecturer in Information Technology	Member
6)	Ms. Krishna Veni V. Lecturer in Civil Engineering	Member
7)	Shri Ashish Kumar Agarwal Lecturer in Mechanical Engineering	Member
8)	Shri Robinson Timung Lecturer in Chemical Engineering	Member

(Dr. Suhas V. Patil)

Principal,  
Govt. Polytechnic, Daman

To,  
All the concerned persons,  
Govt. Polytechnic, Daman.





## ESTABLISHMENT OF ENERGY CLUBS IN COLLEGES

### **1) Objectives of Establishment of Energy Clubs:**

- Since the students are learner of new things in their lives, it is easy for them to understand the concept of energy conservation and energy efficient devices. These students can, in turn, become representative for creating the more awareness of energy conservation and promoting the use of energy efficient equipment / devices by the public at large.
- As the demand for power in the country is steadily increasing and energy resources are being rapidly depleted, it is important to involve college students, as decision-makers of tomorrow to avoid the power cuts.
- The purpose of the Energy clubs is to enhance learning capacity of the students about the energy issues like energy conservation, as well as efficient use of appliances and electricity.
- The another purpose of the Energy Clubs is of capacity building of students, which will be achieved through awareness programs that aimed at sensitizing on the relevance and importance of conservation and efficiency.
- Keeping these objectives mind and identifying the need to implement energy conservation, it is proposed “Energy Clubs” for college students in the UT.

### **2) Guidelines for implementation of Energy Club Activity**

It is proposed, the Energy Club activities will be taken in colleges of the UT. The steps for implementation of Energy Club activities are as follows:

- “Energy Clubs” will be set-up in colleges approved by Administration of Daman & Diu.
- State designated Agency, Daman & Diu will seek the willingness from heads of colleges and confirm the setting-up of duly constituted “Energy Clubs” including the name of coordinator.
- Each such college which has confirmed the setting-up of “Energy Clubs” will identify a coordinator of the club and intimate the SDA-Daman & Diu immediately about the same along with other office bearers and /or members of the said club.
- SDA, Daman & Diu will take the Training Program at U.T. for establishment of energy clubs and the activities under it. For this training, science / technical teachers should be included.
- SDA, Daman & Diu will help such colleges in setting-up of “Energy Clubs” and will monitor the activities and functions of these clubs from time to time.
- SDA, Daman & Diu will provide the material like banners, posters, leaflets on energy conservation and the energy conservation booklet to the colleges those have constituted the Energy Clubs.



- Funds will be released to colleges @ Rs.10,000/- (Rupees Ten Thousand only) per college. These funds will be one time and may be continue if funds are available from UT /State & Central budget.
- All the “Energy Clubs” will submit their duly statement of expenditure and utilization certificates to the SDA, Daman & Diu through the Head of the Institution.

### 3) Functions of the “Energy Clubs”

- The materials like banners, posters, should be displayed in the college.
- Energy conservation leaflets and home activity charts should be distributed to every student of the college.
- Seminars, Elocution Competitions, Debate competition, Quiz Competitions, Painting competition, Slogan Competition and Essay competitions on Energy Conservation may be conducted for students of colleges.
- With a view to encourage students to participate in these competitions, prizes may also be given to winning students from within the total budget allocation on Energy Conservation Day 14<sup>th</sup> December.
- Energy club should organize field visits of students to the nearby project sites, green buildings, energy parks etc. for understanding the energy conservation.
- Participation of students in energy science exhibition may be encouraged.
- Energy conservation week from 14<sup>th</sup> December to 20<sup>th</sup> December every year should be celebrated within the college e.g. by organizing debates, poster and other competition among other activities. Video films may also be presented on Energy on Annual Conservation Day functions.
- Any other innovation activities about energy conservation may also be encouraged.
- Energy club may also interact with other Science Clubs and Renewable Energy Clubs.
- Activities should be organized in such a way that they are spread out throughout the year.

### 4) Activities of Energy Clubs.

#### 4.1 Information of Competition to be implemented under Energy Clubs.

The contests should be held within the college among the students of the college.

#### 4.2 Elocution competition.

- Students will get 6 minutes for elocution.
- Winners be selected based on their communication skill, subject layout, way of presenting the subject etc.

#### 4.3 Essay Competition.

- Word limitation for essay writing is up to 600.
- For essay competition, 1 hour should be given to students.

- Winners from both the groups will be selected based on writing skill, subject layout, spelling, and way of presenting the subject etc.

#### 4.4 Painting Competition.

- Appropriate size of drawing sheet to be used for painting competition.
- For painting competition, 1 hour should be given to students.
- Winners will be selected based on color combinations used in picture, neatness & cleanliness of picture, picture layout, picture presentation & effectiveness etc.

#### 4.5 Drama competition

- 10 minutes time should be given to each group.
- Drama competition should be presented in group only.
- Winners will be selected based on their facial expression, way of presenting the subject, costumes and delivery of social message through drama etc.

#### 4.6 Slogan Competition

- Each standard of the students should prepare at least 5 slogans. Out of these good & rhyming matching slogans should be selected and prizes should be given to students.

#### 4.7 Quiz contest

- For this, 50 questions should be prepared for the competition.
- Prizes should be given to the winners.

#### 4.8 Innovative project competition

- Each college should form groups which includes 3/4 students for this competition.
- Each group should be given a 4 x 2.5 feet space for project presentation.
- The exhibition of this competition should be held in college premises.
- Winners will be selected based on imagination of their project, scientific basis of project, technical expertise, usefulness of the project to society, cost-effectiveness & durability of the project and project presentation etc.

### 5) Awareness Programs:-

The awareness programs should be conducted to sensitize about energy conservation through audio-visual presentations. The similar sensitization session should be carried out for the parents. These seminars include the understanding of:

- The importance of energy conservation, and the country's dependence on electrical power.
- Increasing demand for energy and the gap between demand and supply.
- Impact on the environment.

- Safeguards to prevent wastage of power in everyday life.
- Understanding of Electricity Bills, and conservation through energy-efficient use of domestic appliances.
- Explains and emphasizes the role of awareness in the individual, the family and the community.
- Involves students in an exercise to monitor and reduce energy bills in their homes by adopting the energy conservation methods suggested.
- Focus on Energy Star Labeling, and an introduction to the system of energy rating.

#### **6) Impact assessment of awareness programs**

This will be focuses on sharing the understanding acquired through awareness workshops with others in the community. This process involves the following:

- Each student will share information on energy conservation with at least 2 others and their families.
- Students undertaking this awareness will help to the families to bring down their electricity bills.
- Every student will promote to more families for use of Star Labelling equipment.
- Electricity bills should be monitored over two months to assess effectiveness.
- Every student will attempt to recognize wasteful usage of energy in their colleges and homes.