Carbon Net Zero
Policy Statement

KPR Institute of Engineering and Technology (KPRIET) strives to achieve carbon net zero by reducing greenhouse gas emissions by 2050

KPRIET undertakes programmes to ensure that any ongoing emissions are balanced by removal

KPRIET organizes and supports green initiatives by students, employees, and other stakeholders through outreach programs

KPRIET commits to balance between all greenhouse gas sinks and sources that is sustained over matching time scale.

KPRIET shall,

➢ create a transitioning to a net-zero campus which is one of the greatest challenges humankinds has faced with.

➢ ensure energy sector as a means of greenhouse gas reduction through renewable sources, such as wind and solar that would dramatically reduce carbon emissions.

➢ create awareness among stakeholders on its social responsibilities and inculcate environmentally responsible behavior among the community.

➢ plan and execute awareness programs and tree planting drives for a sustainable green environment and organize tree planting drives to inculcate environmental responsibility among the adopted village community

➢ take account of the social and economic impacts on individuals and communities in the energy transitions and treat people as active participants.

➢ Deploy hydrogen and hydrogen-based fuels

➢ ensure a sustainable supply of bioenergy

KPRIET requires all its students, employees, alumni, and stakeholders to support in delivering Carbon net zero programs effectively.

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KPR Institute of Engineering and Technology

Policy Name	Carbon net zero			Policy No.	
w. e. f		Last revised on		Revision No.	1
Responsible Person	Head/ CNZ		Contact Info.	Email-ID: carbonnetzero@kpriet.ac.in	
				Mobile Number: 9080397189	
Applies to:					
Faculty	Y	Student	Y	Alumni	Y	Parents	Y
Staff	Y	Visitors	Y	Vendors	Y	Employer	Y

Version History				
Version No.	Approved By	Revision Date	Description Of Change	Author

CNZ Implementation Guidelines

The implementation of CNZ policy is entrusted with a team consisting of faculty, staff and students. KPRIET management appoints a faculty advisor to lead and guide the team in its activities.

At KPRIET

The CNZ team work to

➢ Create awareness among students, faculty, and staff towards our responsibility for carbon net zero initiatives and arrange seminars/lectures for CNZ cell faculty and students.

➢ Develop need based educational projects to improve carbon net zero initiatives.

➢ Organize training /awareness programs of social impact in association with social organization, clubs.

➢ Visits to well-known NGO's who work towards a green environment for learning.

➢ Faculty and students of KPRIET undertake audit of the amount of electricity consumed all over the institute every year.

➢ An audit of the amount of LPG gas consumed and biogas utilized is also performed every year.

➢ The amount of solar energy harnessed both through solar panels and solar water heaters in hostels and quarters are audited every year.

➢ The biogas plant in the campus is monitored on daily basis and is used for cooking for the hostels.

➢ The number of trees planted in the campus is monitored and a sapling is planted in the campus whenever a guest visits the Institute.

➤ The vehicles plying to the campus are provided with facilities in the E gate as the campus is protected from carbon emission by grey fleet.

➤ Carbon emission is also being studied at regular intervals.

1. **Implementation Guidelines** A work flow process is followed according to the CNZ guidelines as stated below.

   1.1 **Selection of volunteers**

   The student and staff volunteers who join the CNZ team, work with passion. The knowledge and attitude of the volunteer is given priority. An interview is conducted with the volunteer if required to know the involvement before the selection of the volunteer.

   1.2 **Selection of proper projects**

   The selection of proper projects for Programme can boost the morale of the volunteers and develop in them a sense of achievement. Hence, it is essential that suitable projects must be selected with utmost care.

   While identifying the projects/activities in special programmes, the following criteria may be kept in mind.

   ➤ The needs of the project.

   ➤ Facilities available in the campus.

   ➤ Participation of the peers.

   ➤ Possibility of completing or developing the project successfully on time.

   ➤ Possibility of follow-up action in Regular Activities.

   1.3 **Organization of event**

   ➤ Each event will have 1-2 staff and faculty and 2-5 volunteer leaders who will work as event organizers/work supervisors. Each event may consist of a minimum of 20 and maximum of 40 participants depending upon the need.

   ➤ Active participation of students will be ensured.

- ➢ Female volunteers will be encouraged to participate in the events organized in the Institute.
- ➢ Students from foreign countries may also be involved in the events, if possible.

1.4   Administration of the Event

- ➢ Maximum number of volunteer leaders and teaching community of the institution may be involved in conducting an event.
- ➢ All volunteers participating in the event may be divided into different groups. Each one will undertake activities according to one's attitude, educational qualification and skill.
- ➢ The management of each event will be done through committees which take care of various aspects of the event. Punctuality and discipline will be emphasized. All the participants including staff should strictly abide by the rules.

1.5   Publicity

Adequate attention should be given for proper publicity of the event planned to create an awareness of the importance of this programme in the process of rural reconstruction and development. The programme should be publicized through the Press, Radio, Television, documentaries and other mass media.

1.6   Reports and Accounts

Reports

As soon as the event is over, a detailed report indicating, inter-alia the location of the event, the actual number of participants, duration of the event (including exact dates), activities undertaken during the event, response of the beneficiaries, community assets created and the follow-up plan should be prepared.

Accounts

Accounts of the expenditure on the events should be prepared along with the progress of the event so that no difficulty is faced by the institute in the matter of rendering accounts at the close of the year. Submission of expenditure accounts on time by all levels, is of utmost importance for the smooth flow of grants for the implementation of events.

1.7 Follow-up Action

Organisation of an event will not be an end in itself. Before the event comes to a close, it should be ensured, through the local community, that the assets created will be maintained by the local authorities. In case of the Tree Plantation, the trees planted should be nurtured and maintained by the local community.

The follow-up of the event should be undertaken as one of the regular activities of the institution. This is necessary to consolidate the achievements of the event and to instill a confidence among the community.

1.8 Evaluation

The top management have a regular visit of the events and events to enthuse and encourage the volunteers and guide them wherever necessary. During the event visit, they should also see that guidelines for the event have been taken care of. A questionnaire to elicit information in various aspects of the events will be developed. The institute may return the questionnaire duly completed directly to the organization as soon as the event is over to enable them to evaluate the event as it progresses.

2. Guidelines from Statutory and Non-Statutory Bodies

- https://www.un.org/en/climatechange/net-zero-coalition#:~:text=Put%20simply%2C%20net%20zero%20means,oceans%20and%20forests%20for%20instance.
- https://netzeroclimate.org/what-is-net-zero/
- https://iea.blob.core.windows.net/assets/4719e321-6d3d-41a2-bd6b-461ad2f850a8/NetZeroby2050-ARoadmapfortheGlobalEnergySector.pdf

3. References

- https://www.imf.org/external/np/g20/pdf/2021/062221.pdf
- https://www.mckinsey.com/~/media/mckinsey/business%20functions/sustainability/our%20insights/the%20net%20zero%20transition%20what%20it%20would%20cost%20what%20it%20could%20bring/the-net-zero-transition-what-it-would-cost-and-what-it-could-bring-final.pdf
- https://iea.blob.core.windows.net/assets/4719e321-6d3d-41a2-bd6b-461ad2f850a8/NetZeroby2050-ARoadmapfortheGlobalEnergySector.pdf