



TRIDENT ACADEMY OF TECHNOLOGY

Ref: TAT/P/102/2025

Name of the policy	Climate Action Policy	Department responsible	All
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Department	All	Checked by	Dr. D.N.Pattanayak
Effective date	11-4-2018	Approved by	Principal
Review date	12-3-2025		
No. of pages	3		

1. Purpose:

Given the challenges of climate change, the time has come to develop adaptability to it at the individual, institution, national and global levels. In this direction, the government, scientists, educational institutions, civil societies, etc. are making efforts under the guidelines of the United Nations. Understanding its responsibility, Trident Academy of Technology is ready and committed to contribute towards combating the adverse effects of climate change. The implementation and follow-up of the present climate action plan of Trident Academy of Technology is our commitment, therefore, we have been striving towards developing a green campus for a long time. Trident Academy of Technology has followed the green, environmental, energy efficient processes in the campus. I hope that the present climate action plan will not only fulfil its objectives at the university level but will also create awareness and a new sense of responsibility among students, teachers and other staff.

2. Responsibility Centre: Principal

3. Procedure:

Climate change is one of the biggest problems in the world. Climate change has the potential to have huge consequences on the world & its economy, environment, and social systems. To overcome these consequences, the governments, scientists, and civil societies across the world are engaged in their efforts. The issue of climate change is the most debatable aspect and has been discussed at various United Nations & its forums, conferences, and conventions. The Climate Change action is one of the goals of Sustainable Development Goals, to be achieved by 2030.

Given the seriousness of climate change, many nations and institutions of the world have made their own climate change action plans. India & its National Action Plan for Climate Change was launched in 2008 aiming to mitigate and adapt the adverse impacts of climate change. The National Action Plan for Climate Change includes 8 missions.



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Trident Academy of Technology as an institute is committed to address all the issues related to the adverse impacts of climate change. The Climate Action Plan of Trident Academy of Technology has been made on the lines of the National Action Plan for Climate Change with slight modifications.

4. Plan of Action

The plan action comprises 4 goals

- (a) Use of renewable source
- (b) Energy Efficient use of energy
- (c) Green campus
- (d) Climate change education

Use of Renewable Source

The Institute has a plan to gradually convert the conventional source of energy into solar energy. Solar panels of 10 Kw have already been installed in the campus. Nearly 50 units of electricity per day and approximately 18,250 units per year are harnessed from these panels. The Institute is committed to enhance the capacity of renewable source of energy. Due to availability of adequate space, institute campus is suitable to install the solar panels. Institute has an energy conservation pledge and a commitment to use 100% renewable energy by 2025 for all existing buildings by generating its own solar power. Trident Academy of Technology has already enhanced its outreach on skill training on solar PV installation and commissioning by providing skill-based training to our faculties. The institute has already installed a 2 kW Solar hybrid system which supplies our campus street lights. The Institute is also planning to install 500 kWp Solar rooftop system by 2025 in its campus.

Energy Efficient Use of Energy

The Institute administration has a deep understanding of energy conservation and responsible consumption. All the electric appliances installed in the buildings and other places of the campus are energy efficient. These appliances include Grundfos pumps for water applications, solar street lights and pumps, use of LED lights in buildings, streets, corridors, etc., IOT based washing machines, variable refrigerant flow technology, etc. The buildings are designed in such a manner that we can harness the advantage of natural light, which in turn save the energy. All the stakeholders of university are well aware of the importance of the energy conservation. They fully understand the responsibility of turning off all electrical appliances, bulbs, and machines when the working places are not in use. Also, a central operating system has been developed in the academic buildings so that the air conditioner can be switched off during the off time. Improvement is a gradual and continuous process. Therefore, the University is committed to further improve the existing system in future.




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Green Campus:

A total of seventeen United Nations Sustainable Development Goals (SDGs) have been identified by the university, and we are making consistent efforts to accomplish all of them. We are of the opinion that our combined efforts would be significant at the local and regional levels, despite the fact that the goals are presented from a global viewpoint.

Our objectives are driven by the desire to lessen our carbon footprints, decrease our energy consumption, improve our waste management, and make the campus of the university more environmentally friendly.

It is becoming increasingly apparent to us that as the world continues to climb higher on the evolutionary and technological innovation ladder, its relentless pursuit of development begins to deplete the resources that nature has bestowed upon it.

ATTESTED

Principal
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Principal