



Karunya INSTITUTE OF TECHNOLOGY AND SCIENCES

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MoE, UGC & AICTE Approved

NAAC A++ Accredited

SDG -7 Affordable and Clean Energy

17.4.2 Promote a public pledge toward 100% renewable energy beyond the university

Empowering Our Future: Join the Renewable Energy Revolution

Introduction

In a world grappling with the looming crisis of climate change, it is imperative for us, as individuals, to take proactive steps to transition to cleaner and more sustainable energy sources. Renewable energy is at the forefront of this transition, offering a beacon of hope for a brighter and more sustainable future. To spread awareness and encourage collective action, we have organized an "*Awareness Pledge on 100% Renewable Energy*" for common people beyond our university. In this write-up, we will explore the various features and significance of renewable energy, as well as general practices that anyone can adopt to make a difference. We will conclude with a short pledge that you can take to make a commitment towards a more sustainable future.

Features of Renewable Energy

Renewable energy sources are characterized by their ability to naturally replenish, making them a sustainable alternative to fossil fuels. Here are some key features of renewable energy:

- 1. Clean and Green:** Unlike fossil fuels, renewable energy sources, such as solar, wind, and hydropower, produce little to no harmful emissions. This significantly reduces air pollution and greenhouse gas emissions, mitigating the adverse effects of climate change.
- 2. Endless Supply:** Renewable energy sources are virtually inexhaustible. The sun will continue to shine, the wind will always blow, and rivers will flow, ensuring a constant and reliable energy supply.
- 3. Reduced Energy Costs:** Over time, investing in renewable energy can lead to lower energy bills. Solar panels, for instance, can provide significant savings on electricity expenses.

4. Job Creation: The renewable energy sector is a major source of job opportunities. It stimulates economic growth while reducing our dependence on fossil fuels.

Significance of Renewable Energy

The transition to 100% renewable energy is not merely an environmental concern; it holds immense significance in multiple aspects of our lives.

1. Climate Change Mitigation: By reducing carbon emissions, renewable energy plays a pivotal role in mitigating climate change. This helps to safeguard the planet for future generations.

2. Energy Independence: Relying on renewable energy sources reduces dependence on foreign oil and gas, enhancing national and local energy security.

3. Health Benefits: Cleaner air and reduced pollution levels lead to improved public health. Respiratory illnesses and other health issues related to air pollution are significantly reduced.

4. Sustainable Development: Investing in renewable energy fosters economic development, promotes innovation, and creates new job opportunities in emerging industries.

Practical Steps for Individuals

You might be wondering how you, as an ordinary person, can contribute to the renewable energy revolution. Some general practices that you can incorporate into your daily life:

1. Energy Efficiency: Enhance your home's energy efficiency by sealing drafts, using energy-efficient appliances, and switching to LED lighting. Reducing energy consumption is a crucial step.

2. Solar Power: Consider installing solar panels on your property. They can generate clean electricity and potentially reduce or even eliminate your energy bills.

3. Wind Power: If you have the space, small wind turbines can be an excellent source of renewable energy for your home.

4. Green Transportation: Opt for electric vehicles (EVs) or hybrids to reduce your carbon footprint while commuting.

5. Reduce, Reuse, Recycle: Support the circular economy by minimizing waste, reusing items, and recycling materials whenever possible.

6. Advocate for Change: Engage with local and national policymakers to promote renewable energy initiatives, such as incentives and tax breaks for renewable energy adoption.

The Awareness Pledge on 100% Renewable Energy

To solidify your commitment to renewable energy and a sustainable future, consider taking the following pledge:

“100% புதுப்பிக்கத்தக்க எரிசக்தி மாறுதல்களை, நான் முழு மனதுடன்
ஆதரிப்பேன் என உறுதியளிக்கிறேன்”

"I pledge to wholeheartedly support the shift to 100% renewable energy."

“என் தினசரி வாழ்க்கையில், கார்பன் அதிகரிப்பை குறைக்க
முயற்சிப்பேன், மற்றும் நிலையான ஆற்றல் மூலங்களை எனது
அன்றாட வாழ்வில் தழுவுவதற்கும் நான் உறுதி கூறுகிறேன்”

"I commit to reducing my carbon footprint and embracing clean, sustainable energy sources
in my daily life."

“நான் ஆற்றல் செயல்திறனை அதிகரிக்க முயற்சிப்பேன், சூரிய
அல்லது காற்றாலை மின்சக்தி விருப்பங்களைக் கருத்தில் கொள்வேன்,
மேலும் சுற்றுச்சூழலுக்கு உகந்த போக்குவரத்தைத் தேர்ந்தெடுப்பேன்”

"I will strive to maximize energy efficiency, consider solar or wind power options, and opt for
eco-friendly transportation."

“நான் குறைந்த, மறுபயன்பாடு, மற்றும் மறுசுழற்சி போன்ற
வழிமுறைகளை பின்பற்றி, ஒரு சுகாதாரமான பொருளாதாரத்தை
மேம்படுத்துவதாக உறுதியளிக்கிறேன்”

"I promise to reduce, reuse, and recycle, promoting a circular economy."

“பசுமையான எதிர்காலத்திற்கு முன்னுரிமை அழிக்கும் வகையில்
,உள்ளூர் மற்றும் தேசிய அளவிலான புதுப்பிக்கத்தக்க எரிசக்தி
மையங்களை உருவாக்க முயற்சி செய்வேன் என உறுதி கூறுகிறேன்”

"I will actively advocate for renewable energy initiatives at the local and national levels, urging policymakers to prioritize a greener future."

“இந்த உறுதி மொழியின் மூலமாக தற்போதைய மற்றும் எதிர்கால சந்ததியினருக்கு, பாதுகாப்பான, தூய்மையான, நிலையான சுற்றுச்சூழலை உருவாக்குவோம் என உறுதி கூறுகிறேன்”

"With this pledge, I'm taking a step towards a cleaner, more sustainable world, safeguarding the environment for present and future generations."

“நாம் எல்லோரும் இனைந்து கணிசமான சுற்றுகூழல் மாற்றங்களை ஏற்படுத்துவோம் என முழுமையாக என்னுகிறேன்”

"I believe in the power of individual actions, and together, we can make a substantial difference."

“இம்முயற்சியில் அனைவருக்கும் ஒன்றிணைந்து, பிரகாசமான, பசுமையான மற்றும் வளமான எதிர்காலத்தை உருவாக்குவோம் என உறுதியளிப்போம்”

"Let us unite in our commitment to renewable energy and collectively work towards a brighter, greener, and more prosperous future for all."







Conclusion

The transition to 100% renewable energy is not a distant dream; it's a goal that we can collectively achieve. By understanding the need and significance of renewable energy and adopting practical measures in our daily lives, we can make a profound impact on the environment and community. Making the community to take the pledge on a regular basis imparts awareness on maintaining a clean environment which will be treasure to the future generation. Together, we can empower our world with clean, renewable energy.