



**Institution's Innovation Council  
Saurashtra University Rajkot**

## **THE POWERING TOMORROW: NEXT GENERATION OF ENERGY**

**27<sup>th</sup> December 2024**

At

Seminar Hall, Department of Physics, Saurashtra University

# Contents

<b>Saurashtra University – IIC .....</b>	<b>3</b>
<b>Event Schedule.....</b>	<b>3</b>
<b>Event Registration Link .....</b>	<b>3</b>
<b>Brief about Event .....</b>	<b>4</b>
<b>Key Points.....</b>	<b>4</b>
<b>Outcome .....</b>	<b>5</b>
<b>About the Speaker/Chief Guest .....</b>	<b>5</b>
<b>Connect Us: .....</b>	<b>7</b>

## Saurashtra University – IIC

The university is dedicated to instruction, research, and extending knowledge to the public (public service). Ministry of Education (MoE), Govt. of India has established 'MoE's Innovation Cell (MIC)' to systematically foster the culture of Innovation among all Higher Education Institutions (HEIs). The primary mandate of MIC is to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototypes while they are informative years. Saurashtra University is one the Organization that have constituted the IIC to foster the vision of MoE and be a part for the promotion and development of innovation ecosystem.

### Event Schedule

<b>3:00</b>	<b>Registration Time</b>
<b>3:15</b>	Welcome
<b>3:20</b>	Awareness Session by Dr. Alpesh S. Adeshara
<b>04:30</b>	Awareness Session by Prof. Amit Pathak
<b>04:45</b>	Programme Feedback - Conclusion
<b>05:00</b>	Closing Ceremony

### Event Registration Link

[bit.ly/SUSEC-PCVS](https://bit.ly/SUSEC-PCVS)

# Brief about Event

The Department of Physics and the Department of Chemistry, in collaboration with Vigyan Gurjari and the Institution's Innovation Council (IIC) – Saurashtra University, successfully organized a seminar titled "The Powering Tomorrow: Next Generation of Energy" on 27<sup>th</sup> December 2024 at the Seminar Hall, Department of Physics, Saurashtra University.

The seminar aimed to explore innovative approaches to energy conservation, efficiency, and the future of sustainable energy solutions. It provided an opportunity for students, researchers, and faculty members to gain insights into cutting-edge developments in the energy sector.

Dr. Alpesh S. Adeshara, Professor & Head, Electrical Engineering Department, VVP Engineering College, Rajkot, delivered a session on "Reimagining Energy Conservation: Unconventional and Creative Ways", discussing innovative methods for optimizing energy usage.

He discussed innovative energy-saving techniques, emphasizing non-traditional approaches to reduce energy consumption while maintaining efficiency. The session highlighted emerging technologies, smart energy management systems, and novel conservation strategies applicable in various industries and daily life.

The session was highly engaging, encouraging participants to think creatively about sustainable energy solutions and implement practical conservation measures.

Prof. Amit Pathak, Assistant Professor, Electrical Engineering Department, VVP Engineering College, Rajkot, spoke on "Conserve Today, Thrive Tomorrow: The Importance of Energy Efficiency", emphasizing the need for responsible energy consumption.

He emphasized the critical role of energy efficiency in ensuring a sustainable future. The session covered smart energy management practices, advanced technologies for reducing energy waste, and the economic and environmental benefits of energy conservation. He highlighted practical strategies for industries, households, and institutions to adopt energy-efficient solutions.

The session encouraged attendees to adopt responsible energy consumption habits and contribute to a greener future.

## Key Points

During the session, below mentioned points were discussed:

- Emerging Energy Sources
- Energy Efficiency Significance
- Smart Energy Management
- Economic & Environmental Benefits
- Advanced Energy Technologies
- Global Energy Transition

- Challenges and Barriers
- The Future of Energy

## Outcome

The seminar was an enriching experience, shedding light on critical aspects of energy conservation and efficiency. It provided valuable knowledge and inspiration to the attendees, encouraging them to contribute towards a sustainable energy future.

Also, highlighted innovative energy solutions, conservation strategies, and sustainability practices. Participants, including students and faculty, engaged actively, gaining valuable insights into future energy trends.

## About the Speaker/Chief Guest



Dr. Alpesh S.  
Adeshara

Professor & Head  
Electrical Engineering Department  
VVP ENGINEERING COLLEGE RAJKOT



Prof. Amit Pathak

Assistant Professor  
Electrical Engineering Department  
VVP ENGINEERING COLLEGE RAJKOT

The poster features logos for SSIP, Saurashtra University, IIC, StartUp, and SEC. The title is "The Powering Tomorrow Next Generation of Energy" with the Hindi subtitle "(कल की शक्ति: ऊर्जा की नई पीढ़ी)". It is organized by the Department of Physics, Department of Chemistry & Vigyan Gurajari in collaboration with IIC - Saurashtra University. The event is a seminar on "The Powering Tomorrow: Next Generation of Energy" held on 27th December, 2024, Friday, from 03:00PM to 05:00PM at the Seminar Hall, Department of Physics, Saurashtra University. The patron is Prof. (Dr.) Kamalsinh Dodiya, Hon'ble Vice Chancellor, Saurashtra University, Rajkot. The speakers are Dr. Alpesh S. Adeshara (Professor & Head, Electrical Engineering Department, VVP Engineering College Rajkot) and Prof. Amit Rajendrabhai Pathak (Assistant Professor, Electrical Engineering Department, VVP Engineering College Rajkot). Event coordinators are Dr. Piyush Solanki, Dr. Davit Dhruv, Dr. Ranjan C. Khunt, and Prof. Yogesh T. Naliapara. Registration is available at bit.ly/SUSEC-PCVS with a call number 8490991979.



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