**ENGROSSER' 24****Title: “Green Energy Strategies in India: Current Status and Future Potentials”****Introduction:**

Green energy refers to energy that is produced from natural resources, such as solar energy, wind power, geothermal energy, biomass and hydroelectric power. Each of these technologies works in different ways, whether that is by taking power from the sun, as with solar panels, or using wind turbines or the flow of water to generate energy or biomass energy derived from organic materials.

India has been actively working on incorporating green energy strategies to address its growing energy needs while minimizing environmental impact. The country has set ambitious targets to increase the share of renewable energy in its total energy mix. The Indian government has implemented various policy initiatives and financial incentives to attract investments in the renewable energy sector. To reduce dependence on fossil fuels, India is promoting the adoption of electric vehicles.

The future potentials of green energy are broad and promising as the world seeks sustainable alternatives to traditional fossil fuels. Several factors contribute to the optimistic outlook for the future of green energy:

- Ongoing advancements in technology are driving down the costs of renewable energy technologies, making them more competitive with conventional sources.
- Improved energy storage technologies, such as advanced batteries, are critical for overcoming the intermittency of renewable sources like solar and wind.
- Green hydrogen, produced using renewable energy sources, is gaining attention as a clean energy carrier.
- Collaborative efforts among countries and international organizations promote the sharing of knowledge, technology, and resources, accelerating the global transition to green energy.
- Advancements in bioenergy technologies, including biofuels and biogas production, offer additional avenues for sustainable energy production.
- Implementing smart grids and incorporating digital technologies for grid management are crucial for efficiently integrating renewable energy into the power system.

We are happy to announce the upcoming annual technical paper writing competition on “Green Energy Strategies in India: Current Status and Future Potentials” under banner of Students’ Chapter Indian Institute Chemical Engineers (IICChE). The objective of this competition is to bring to glare, the emerging area of research and development for sustainable environment.

Topic to be covered:

1. Green Energy Strategies for sustainable development
2. Green energy technologies ;Solar energy, Wind energy, Hydropower
3. Energy storage systems combining multiple technologies
4. Technologies for production of green hydrogen
5. Environmental and Social Impact

Instructions for Paper Writing:**INSTITUTE OF ENGINEERING & SCIENCE**

(An Autonomous Institute)

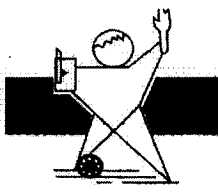
DEPARTMENT OF CHEMICAL ENGINEERING

Approved by AICTE, New Delhi, Affiliated to RGPV Bhopal

Ph.0731-4014606, Telefax:0731-4014602

E-mail: hod.chemical@ipsacademy.org, Visit us : <https://ies.ipsacademy.org/>

Knowledge Village, Rajendra Nagar, A.B. Road, Indore (M.P.), 452012



Knowledge, Skill, Value

IPS ACADEMY

16 Colleges, 71 Courses, 58 Acre Campus

Team of maximum four members can participate in competition, paper should be typed in Times New Roman (Font size 12) 1.5 line spacing on A4 size paper leaving 1" margin from all sides. The title should be in bold followed by authors' name and affiliation as center alignment along with the Email id. Maximum pages allowed are ten including figures, tables and references.

Registration:

The participants have to send hard & soft copy of their full length paper along with registration form.

Email id for correspondence- iiche.engrosser@gmail.com,
jitendrapatidar@ipsacademy.org

Prizes & Certificates:

Three best papers of participating students will be awarded with the 1st, 2nd & 3rd Prize and remaining all students will get certificate of participation.

Important Dates:

1. Last date for submission of paper : 06-12-2023
2. Declaration of results : 17-02-2024

Convener

Mr. Jitendra Patidar
Assistant Professor
+919406881345,
8770483757

Organizing Secretary

Prof. Rajesh Kumar Kaushal
Head, Dept. of Chemical Engineering
IPS Academy-Institute of Engineering &
Science, Indore (M.P)
Ph.: +91 7000944276, 0731-4014606,
hod.chemical@ipsacademy.org

INSTITUTE OF ENGINEERING & SCIENCE

(An Autonomous Institute)

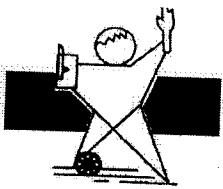
DEPARTMENT OF CHEMICAL ENGINEERING

Approved by AICTE, New Delhi, Affiliated to RGPV Bhopal

Ph.0731-4014606, Telefax:0731-4014602

E-mail: hod.chemical@ipsacademy.org, Visit us : <https://ies.ipsacademy.org/>

Knowledge Village, Rajendra Nagar, A.B. Road, Indore (M.P.), 452012



Knowledge, Skill, Value

IPS ACADEMY

16 Colleges, 71 Courses, 58 Acre Campus

Students' Chapter IChE
ENGROSSER'24

REGISTRATION FORM

Author's Full Name: 1.....

2.....

3.....

4.....

Course and year:

Address:

Phone/Mobile No:

Email Address:

Institute Name:

Title of the Paper:

Certified that above information is true to the best of my knowledge

Signature of Participants

INSTITUTE OF ENGINEERING & SCIENCE

(An Autonomous Institute)

DEPARTMENT OF CHEMICAL ENGINEERING

Approved by AICTE, New Delhi, Affiliated to RGPV Bhopal

Ph.0731-4014606, Telefax:0731-4014602

E-mail: hod.chemical@ipsacademy.org, Visit us : <https://ies.ipsacademy.org/>

Knowledge Village, Rajendra Nagar, A.B. Road, Indore (M.P.), 452012