

## Patron

Professor A.S.K. Sinha, Director, RGIPT

## Core Team Members

- Dr. Shivanjali Sharma – Chairperson  
Dr. Gargi Srivastava – Co-Chairperson  
Dr. Shikha Singh – Member  
Dr. Pallabi Saikia – Member  
Dr. Sajal Agarwal – Member  
Dr. Soniya Dhama – Member  
Dr. Roopa Manjunatha – Member  
Dr. Shikha Dwivedi – Member

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URJA SHAKTI  
2022



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2022



Rajiv Gandhi Institute of Petroleum Technology  
celebrates female presence  
in the Energy Sector

Website: <https://rgipt.ac.in/urjashakti21/>



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Rajiv Gandhi Institute of Petroleum Technology

Jais, Amethi, Uttar Pradesh

Sponsored by



Indian Oil Corporation Limited

“Daughters are considered as Lakshmi in our culture. Can't we facilitate daughters in our society by holding public programmes? There are several daughters, daughters-in-law who are doing exceptional work... Many are serving as doctors, engineers, scientists... as lawyers they are helping in the delivery of justice. The society can identify such daughters and honour them across India.”

Shri Narendra Modi  
Hon'ble Prime Minister, India

## About RGIPT, Jais

Rajiv Gandhi Institute of Petroleum Technology (RGIPT), Jais, is an autonomous institution established by the Government of India. The Institute has been accorded the status of “An Institution of National Importance” under an Act of Parliament (“Rajiv Gandhi Institute of Petroleum Technology Act 2007”).

Institute’s prime objective is to provide world class education, training, and research to roll out competent human resources to meet the growing requirements of the Petroleum & Energy sector. The aspiration is to develop India as a global manpower hub for the entire Petroleum and Energy Sector. The Institute offers BTech, IDD and MTech programs in various Engineering disciplines along with an MBA programme. PhD programs in various areas of basic sciences, humanities, engineering and management are also offered at the Institute.

With a view to supplement its on-campus academic offerings, the RGIPT has established two centers at Sivasagar, Assam and Bengaluru, Karnataka. Assam Energy Institute, the center of RGIPT at Sivasagar is envisaged to offer programs of education and training of skilled technical manpower at the diploma and advance diploma level courses. The Energy Institute, Bengaluru center is mandated to offer academic programs along with conducting cutting-edge research in the energy domain.

## About Urja Shakti

The first edition of “Urja Shakti” is starting in 2021. The Urja Shakti event is an initiative by RGIPT to promote female presence in the Energy Sector. The name “Urja Shakti”, itself tells about the idea of this event, “Urja” represents the theme of the event - Energy and “Shakti” represents Feminine Power. This event will provide young girl students an opportunity to understand the various dimensions of the energy sector and strengthen confidence in them to plan their careers as leaders and entrepreneurs in this sector by enhancing their knowledge in prevalent energy technologies, markets and policies. The ideas that will be presented in the forum can serve as an effective tool to facilitate women empowerment in the energy sector. In order to promote

gender equality in the energy sector, events like this will help female participants to develop sound, comprehensive and convincing solutions for modern-day problems.

The event is a national-level write-up competition for female undergraduate engineering students. The winners of the event will be rewarded with cash prizes. A candidate can participate under the following themes;

- ▶ AI, ML, IoT application in Petroleum industry
- ▶ Unconventional / Renewable Energy Sources
- ▶ Waste to Energy
- ▶ Automation in Energy Sector
- ▶ Cyber Security in Energy Sector
- ▶ Zero waste energy
- ▶ Energy Policies & Climate Changes
- ▶ Energy Storage & Utilization
- ▶ Strategies for CO<sub>2</sub> capture and utilization

It is an opportunity for participants to share their novel and innovative ideas in front of experts in the field.

Urja Shakti is also taking this opportunity to honour a leading woman working in the Energy Sector.

**Requirement for Participation:** Contest seeks participation from female Engineering undergraduate students (First Year to Final Year) from any stream.

## Important Instructions:

1. The write up should not exceed 1500 words (A4-size with 2.5 cm margin on all sides, single column, Times New Roman font for English & font size 12, 1.5 line spacing written in MS Word) will be accepted for further scrutiny. The pages should be numbered.
2. The write-up should contain introduction, current state of theme/area, challenges and your point of view covering ideas/solutions/perspective/recommendation and References/Bibliography for the same.
3. Bibliography will be excluded from the word-limit.
4. Only one write-up per student is allowed.
5. Only PDF files will be accepted for the submission of write-up.

## Submission details:

Online Submission Starts	December 25, 2022
Last Date of Write-up Submission	February 20, 2023

## Where to submit the concept note and/or idea

The write-up of concept notes and/or ideas in PDF format shall be mailed to [urjashakti@rgipt.ac.in](mailto:urjashakti@rgipt.ac.in). The subject of the mail shall be the theme of the write-up.

## Evaluation Criteria

- All the entries shall be evaluated based on its originality, scalability and applicability in real conditions.
- The write-up must be original and plagiarism is strictly prohibited.
- The entries should convincingly answer the questions such as how it will be helpful in solving energy-related issues/problems.
- An Expert Panel constituted by RGIPT, will evaluate the submitted write-ups.

## Award Ceremony

Date of the award ceremony: March 24, 2023 || 11:00 AM onwards.

## Award & Cash Prizes – Write-up Competition

Overall 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> prizes will be awarded. In addition consolation prizes will be awarded for each theme. E-certificates will be given to all participants.



Along with Cash prize, 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> winner will also get an opportunity of 2-3 months internship at RGIPT in their field of interest. The travel and accommodation expenses for internship will be borne by RGIPT.

**Winners Announcement:** February 20, 2023 (will be uploaded on <https://rgipt.ac.in/urjashakti21/>). Winners will also be informed through E-mail.