

National Conference

on

ENERGY TRANSITION PATHWAYS (NCETP-2026)

organized by

Department of Physics

J.C. Bose University of Science and Technology, YMCA, Faridabad-121006, Haryana, India

on

April 21, 2026



SDGs

4

QUALITY
EDUCATION



9

INDUSTRY, INNOVATION
AND INFRASTRUCTURE



About the Conference

The primary aim of the conference is to provide a platform for academia, industry, researchers and innovators to discuss the advanced solutions for sustainable energy future, focusing on energy transition, decarbonization and energy security. The conference is expected to identify and implementing cutting edge technologies, promotion of green energy ecosystems, renewable energy, health care projects and energy efficient initiatives.

The University has a long legacy of excellence since its inception in the year 1969 and it has been consistently contributing towards the creation of the best engineering professionals and entrepreneurs. It has attained NAAC Accreditation with Grade 'A+' in 2022. The University is dedicated to provide a congenial academic environment for nurturing young minds to take on the challenges posed by globalization and advancements in different areas of knowledge. In consonance with the vision of the country's top leadership as reflected in the National Education Policy (NEP) 2020, the University focuses on producing trained human resource which have extensive knowledge, modern skills, diverse abilities, leadership qualities, entrepreneurial abilities, and strong cultural and ethical values as guiding spirit.

About the University

About the Department

The Department of Physics at J.C. Bose University of Science and Technology, YMCA, Faridabad offers quality education and research through B.Sc. (Hons), M.Sc. and PhD Programs. The department is known for maintaining quality teaching and a cutting-edge research aptitude in the University and has a number of good profile faculty members. The key research areas include nanotechnology, perovskite based photovoltaic materials, advanced composite materials, multiferroic materials, composites of conducting polymers, radiation detection, energy harvesting and storage devices. The department is committed to create well-rounded individuals ready to comprehend scientific and technical challenges offered in the area of specialization.

Themes of the Conference

- ❖ Green Hydrogen & Derivatives
- ❖ Energy Storage and Batteries
- ❖ Green Carbon and Carbon Capture
- ❖ Energy System Modelling
- ❖ Materials for Energy Applications
- ❖ Energy Enabled Health Care
- ❖ Energy Security and Sovereignty
- ❖ Carbon Management
- ❖ Digitalization and AI (related to Energy)
- ❖ Biomaterials and Bio-fuels
- ❖ Decarbonization Pathways
- ❖ Energy Sector Innovation

Important Dates

Registration Fee Details

March 31,
2026
(Last Date of
Submission of
Abstract
& Registration
start date)

April 05,
2026
(Notice of
Acceptance)

April 10,
2026
(Registration
End Date)

Student/Research Scholars Delegates	Nil
Delegates from Academic Institutions (Faculty/Postdoc Fellows)	Rs. 1500/-
Delegates from Industry	Rs. 3000/-

* Registration fee is to be submitted in account of Registrar, J.C. Bose UST, YMCA, Faridabad (A/C No.: 14660100000088; IFSC Code: IOBA0001466)

Guidelines for Authors

Contributed papers on original and unpublished research work are invited on the topics mentioned above. Submit one page abstract of the paper highlighting the results of your work with word limit 200-250. The abstract should be typed on A4 size paper with normal margins. The name of the presenting author should be marked with an asterisk (*) along with e-mail ID. The decision for the oral/poster presentation will be strictly followed as per approval of the technical programme committee. Submit only the electronic copy of the abstract at the e-mail address ncetpconference@gmail.com. All the accepted abstracts will be published in the form of Abstract Book.

Authors are advised to adhere with ethical and plagiarism guidelines laid by the UGC.

Patron:

Prof. Rajive Kumar, Vice Chancellor, J.C. Bose UST, YMCA

Co-Patron:

Prof. Ajay Kumar Ranga, Registrar, J.C. Bose UST, YMCA

Prof. Anuradha Sharma, Dean (Sciences)

Conference Chair: Prof. Sonia Bansal, Chairperson (Physics)

Convener: Dr. Ompal Singh & Dr. Arun Kumar

Coordinators: Dr. Suresh Panchal & Dr. Kaushal Kumar

Registration Link

<https://forms.gle/SDP6LuucRJeX9i3R7>

