



**National Workshop on**  
*Synthesis of Nanomaterials and Nanocomposites*  
*as Advance Materials for Photocatalysis and*  
*Adsorption for potable Water*

**May 22-28, 2023**

*Supported by:*

**Accelerate Vigyan Karyashala Programme**  
**SERB, Govt. of India**



**Organized by:**

Department of Chemistry, School of Energy Technology,  
Pandit Deendayal Energy University,  
Gandhinagar, Gujarat-382426, India

**Registration:**

Starts on: April 15, 2023

Last date for registration: May 02, 2023

**Contact:**

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- Experts Lectures
- Hands on Training
- Free Boarding and Lodging
- Free Registration
- Travel Support

### **Aim of the workshop:**

This workshop will be an exploration of the world of nanotechnology towards water purification techniques for faculties, research scholars and students. The participants will be equipped with useful knowledge of the design, processing, properties, and application potentials of the broad range of nanomaterials and nanocomposites emphasized through hands-on lab sessions which can be utilised for treatment of polluted water to be converted into potable drinking water. Participants will learn about the various synthetic routes for preparing an array of nanoscale materials and their functional composites along with advance water treatment techniques such as photocatalysis and adsorption removal of heavy metals from contaminated water samples. The lectures and hands-on sessions will be given by renowned experts and the Faculty of PDEU active in the nanotechnology research area. Each module is focused on a different subfield of nanotechnology.

### **Eligibility Criteria:**

- Students pursuing/ completed their Undergraduate or Masters degree in Science / Engineering.
- Students pursuing PhD degree in Science/Engineering.
- Participants are expected to have double doses of vaccination for COVID-19 and should adhere to COVID appropriate guidelines.
- Only 25 participants will be selected and invited to join this workshop.

Interested candidate fill up the registration form through the link or QR code attached at the end of this information brochure.

*\* The selection process may consider the academic credentials/ field of research interest of the candidate.*

### **Venue:**

**Pandit Deendayal Energy University (PDEU)** earlier Pandit Deendayal Petroleum University (PDEU) is located in Gandhinagar, which is the capital city of Gujarat and located 23 km North from Ahmedabad. PDEU is recognized by UGC under section 2(7) and accredited by NAAC A++ Grade.

### **Registration:**

**Link for Registration:**

<https://forms.gle/F6GirUKeltpFZf1Q6>

**Scan QR Code for Registration:**





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### Registration Form

|  |                        |
|--|------------------------|
| Name   |                        |
| Date of Birth  |                        |
| Gender   |                        |
| Educational Qualification  |                        |
| Present Designation  |                        |
| Email  |                        |
| Contact No.  |                        |
| Address  |                        |
| Department/ Institute/<br>Organisation   |                        |
| Area of Interest   |                        |
| Accommodation  | Required/ Not Required |
| Have you completed Covid-19<br>vaccine dose?   | Yes/ No                |
| Do you have exposure on<br>materials for adsorption and<br>photocatalysis application? | Yes/ No                |

Signature of the candidate  
with date and place

Signature of the recommending authority  
(Supervisor/HOD/Principal/ Director/  
VC with date and place

Upload the dully filled form with your CV on this link: <https://forms.gle/F6GirUKeltpFZf1Q6>