

## What we offer?

### Outline

We offer two and half weeks pre-university non-credit summer courses for school students in a multi-disciplinary approach ranging from nanotechnology, quantum physics in nanotechnology, synthesis of nanomaterial, genetics and plant breeding, principles of transgenic, GM crops, computational biology, gene editing, spectroscopy, chromatography, urban farming and many more..

### Our teaching methodology

You will have interactive learning with faculty guiding you through new concepts, practical sessions and tasks to build your knowledge and skills. You will have an opportunity for group work, debate, independent research and presentation. You can discuss and clarify your doubts in a special session with the faculty.

### Our faculty

We are a group of multi-disciplinary scientists who are actively involved in research and guiding doctoral students with several publications and patents to our credit.

### Courses at a glance (lectures and practical sessions)

- ✓ Nanotechnology
- ✓ Plant tissue culture and transgenic development
- ✓ Bioinformatics
- ✓ Genetics and plant breeding
- ✓ Molecular biology
- ✓ Computational biology
- ✓ Analytical chemistry

## At a glance...

### Dates

Session I:	8 June-23 June 2020
Session II:	29 June-14 July 2020
Application Deadline	15 May 2020

### Location

TD NBC, TERI Gram, Gwal Pahari, Gurgaon 122003, Haryana.

### Fee\*

Tuition Fee (regular)	40,000 INR
Early bird	35,000 INR (on or before 15 April 2020)

For group discounts (group of 5 or more) please contact by email  
Meal Lunch included

### Entry requirements

School students enrolled in grades 9-12

### Registration

Fill application form online (<http://tdnbc.teriin.org/index.php>) on or before 15 May 2020

### Contact Details

Program coordinator: [doyeli.sanyal@teri.res.in](mailto:doyeli.sanyal@teri.res.in)  
Program facilitator: [neeraj.dwivedi@teri.res.in](mailto:neeraj.dwivedi@teri.res.in)

\*inclusive of taxes

TERI-Deakin Nanobiotechnology Centre,  
TERI Gram, The Energy and Resources Institute,  
Gwal Pahari, Gurgaon Faridabad Road, Gurgaon,  
Haryana 122 001, India



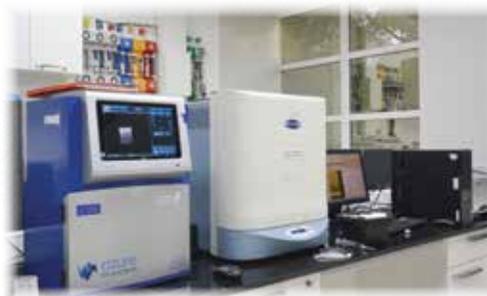
# "Frontiers of Future Science" Summer Program 2020





## Why Summer School?

- Opportunity to learn and experience the fun of research and innovation...
- Explore the world class laboratories equipped with the most advanced instrumentation...
- Attend lectures of our distinguish faculties followed by relevant practical sessions...
- Give you an extra edge to stand out from other competitors during a college application...
- Offers exciting academic and cultural experience and plenty of fun...
- Enhances your interpersonal/teamwork/leadership and problem solving skills



## Who we are...

Established in 1974, The Energy and Resources Institute is a premier research institute with global presence in India and abroad. Our mission is to usher transition to a cleaner and sustainable future through the conservation and efficient use of Earth's resources and innovative ways of minimizing and reusing waste.

The TERI-Deakin Nanobiotechnology Centre (TDNBC) was established in 2011 by TERI's Biotechnology and Bioresources Division in collaboration with Deakin University, Australia with the mandate of developing innovative nanobiotechnology-based solutions to address current challenges in the field of agriculture and environment.

## Why TDNBC?

If you wish to bring a sustainable change in the present world or make a career in multi-disciplinary science to solve the complex issues of environment, energy and food plaguing this society, TDNBC, is the temple to unlearn the myths of old science and learn the new world science which has the ability to bring change and positive impact in our life. Armed with state-of-the-art high tech instrumentation facility to carry out cutting-edge research, TDNBC is the Centre of Excellence in Nanotechnology (DBT) of the country.

If you are an out of the box thinker and wish to create a sustainable product to solve energy, food or environmental issues, TDNBC with its multi-disciplinary faculty working cohesively to bring about solutions through nano- or biotechnology; is the institution you would like to begin your journey to choose the right path for your future.

The multi-disciplinary exposure in the fields of nanotechnology, molecular biology & biotechnology, genetics, analytical chemistry, scientific ethics and much more in TDNBC would be the association you would wish to flaunt in your profile to build a scientific career.

TERI, with its regional and global presence, offers long lasting relationship where you can come back and join us for internship program or doctoral degree in association with Deakin University, Australia.

