

## About the programme

The objective of this programme is to explore the potential research areas in Chemical & Environment Sciences towards sustainability. The theme of the program is accomplished by focusing the challenges and issues in view to create a research ambience among the faculty members and students. The idea is to enrich the participants with skills and knowledge, which in turn is used to cultivate and nurture research attitude among them.

## Topics covered

- Need for sustainable energy
- Potential Renewable energy from Green Technology
- Synthesis/ production of alternative energy resources
- Role of energy storage devices
- Characterization techniques
- Carbon based sustainable materials for energy applications
- Nano materials for Energy applications
- Non degradable materials scaled into advanced composites
- Sustainable Energy Technologies

## Eligibility

The faculty members of AICTE approved Institutions, Universities, research scholars, participants from Government, Industry (Bureaucrats/ Technicians/Industry experts etc.) and professionals from R&D labs.

Number of participants is limited to 200. There is no course fee and preference will be given to new participants. Selection of the participants will be based on the first come first serve basis.

## Registration

Registration has to be done only through

<https://atalacademy.aicte-india.org/>

For more information, kindly visit <https://aralacademy.aicte-india.org/FAQs>

## About the FDP [Online Platform]

The entire program will be conducted through online mode. The details of online platform and meeting link will be communicated to the selected candidates through registered e-mail. It is mandatory to attend the test that will be conducted in the last day of the FDP related to the topics covered. It is also mandatory for the participants to have a minimum of 80% attendance and 60% marks in the test to earn the certificate.



**AICTE Training and Learning (ATAL)  
Academy**

**Online Faculty Development  
Programme (FDP)**

**On**

**Sustainable Engineering  
19<sup>th</sup> Jul – 23<sup>rd</sup> Jul, 2021**

*Coordinator*

**Dr. K.Kanimozhi**

*Co-Coordinator*

**Dr. V. Tamilmani  
Dr. G. D. Gayathri  
Dr. E. Anuja**



*Organized by*

**DEPARTMENT OF CHEMISTRY  
University College of Engineering**

**BIT campus**

**Anna University**

**TIRUCHIRAPPALLI – 620024**

**[www.aubit.edu.in](http://www.aubit.edu.in)**

## **AICTE –Teaching and Learning (ATAL) Academy**

The main objectives of the ATAL Academy are

- To plan and help in imparting quality technical education in the country.
- To support technical institutions in fostering research, innovation and entrepreneurship through training in various emerging areas.
- To stress upon empowering technical teachers & technicians using Information & Communication Technology
- To utilize SWAYAM platform and other resource for the delivery of trainings.
- To provide a variety of opportunities for training and exchange of experiences such as workshops, Orientations, learning communities, peer mentoring and other faculty development programmes.
- To support policy makers for incorporating training as per requirements

### **About the Institute**

Bharathidasan Institute of Technology, Anna University, Tiruchirappalli has been established by the Government of Tamil Nadu at Tiruchirappalli. The city, is known for its rich cultural heritage and home to many reputed educational institutions.

The institute is established with a view to impart quality student centered technical education, so as to produce proven technocrats and to strive hard for continuous development and improvement in learning, research and developmental activities. The institute also works towards fostering partnerships with Academic and Industrial experts to provide quality education and opportunities for entrepreneurial development by providing hands-on training. Aiming at excellence, the institute offers PG and Research programs in Nanoscience and Technology and UG/PG programs in Engineering and produces competent Engineers and Technologists.

### **About the Department**

The Department of Chemistry is established in 1999. The Department faculty members are handling B.E/B.Tech and M.Tech classes. It is well equipped with research laboratories and has dedicated staff members who are trained at renowned institute in India and abroad. The faculty members attract substantial financial support for their research activities from both State and Central Government funding agencies. The Department offers vibrant atmosphere to scholar to nurture the spirit of scientific inquiry and to pursue cutting edge research in highly encouraging environment. The Department is supported by CSIR, DST and TNSCST. The laboratory is equipped with modern analytical instruments and general wet chemical synthesis facility. The Department has several publications in reputed journals along with a National patent.

### **Chief Patron:**

**Hon'ble Vice chancellor**  
Anna university, Chennai.

### **Patron:**

**Dr. Ranee Maria Leonie Vedamuthu**  
Registrar,  
Anna University, Chennai.

### **Convenor:**

**Dr. Usha Natesan, Ph.D., D.Litt.**  
Director,  
Centre for Constituent Colleges,  
Anna University, Chennai

### **Co-Convenor:**

**Dr.T. SenthilKumar**  
Dean University college of Engineering,  
BIT Anna University,  
Tiruchirappalli.

### **Organizing secretary:**

**Dr K. JothiVenkatachalam**  
Professor & Head,  
Department of Chemistry

### **Organizing committee Members:**

**Dr. R. Thiruneelakandan**, Professor  
**Dr. K. Nehru**, Assistant Professor  
**Dr. N. Devika**, Assistant Professor  
**Dr. V. K. Senthurpandian**, Asst.Professor  
**Dr. R. Udhayakumar**, Assistant Professor  
**Dr. V. Thangaraj**, Assistant Professor  
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