

About the College

The University College of Engineering - Dindigul was established in the year 2009 and now it is merged with Anna University, Chennai as per the act of Tamilnadu Government to strengthen and improve the quality of higher education in the state of Tamilnadu. The college has five major Engineering Departments namely CIVIL, MECHANICAL, ECE, EEE, and CSE with ancillary Departments such as Chemistry, Physics, Mathematics and English. All the departments are procured with well-equipped laboratories. The Institute has highly qualified faculty members of higher caliber in various disciplines. The faculty members are actively involved in several research projects funded by various funding agencies like CSIR, UGC, DST etc., and guiding Ph.D. research scholars in full time and part time mode.

About the Department

Department of Chemistry now caters to the needs of undergraduate B.E / B.Tech programme. The faculty members of the Department are actively involved in research in numerous field like polymer and environmental chemistry, corrosion control, organic chemistry, supramolecules and its charge transfer complexes. At present the Ph.D. research scholars are doing the research in full time and part time mode. The faculty members are actively involved in research projects funded by DST, CSIR, UGC, etc. The faculty members of the department have published more than 150 International SCI indexed journals. Also, they have participated in various science and technological events and conducted various programs in our institution.

About the FDP

The scarcity of freshwater resources and the need for additional water supplies is critical in many countries and will be increasingly important in near future. Many arid areas simply do not have freshwater resources and at present the fresh water resources are becoming brackish due to extensive water mining. This makes us hardly to consume saline water; this "simple" hurdle that must be overcome to turn seawater into freshwater. By viewing "Desalination" seems to be a simple process, but on large scale practice have limitations such as energy – intensive and expensive. This present FDP mainly focuses the challenges of converting sea water into fresh water and the salvation, the cost effective methods for desalination.

Objectives of FDP

This FDP aims to provide comprehensive knowledge about the present day scenario of water scarcity across the world, the causes and consequences of industrialization, challenges in desalination methods, new and cost effective as well as eco-friendly techniques to convert saline water into fresh water. This FDP would be helpful to the researchers and faculty members to identify the research avenues in the field of water treatment.

**AICTE Training And Learning (ATAL)
Sponsored Online FDP**

On

**“Recent Advances in Water Treatment
and Desalination”**

23 - 27 August 2021

**Sponsored by
AICTE, NEW DELHI**



Organized by



Department of Chemistry

Anna University

**University College of Engineering Dindigul
Dindigul – 624 622, Tamilnadu**

Resource Persons

Eminent Academicians, Researchers from IITs, NITs, CSIR Institutes, Central Universities, State Universities and other well known Institutions across India.

Topics to be covered with Hands-on Sessions

- Desalination-Past, Present and Future
- Nanocomposites for wastewater treatment
- Role of Chemical sensors in water pollution
- Biomaterials for water treatment
- Water and climate change
- Organic pollutants and remedial measures
- Heavy metals impact on water resources
- Marine pollution : Challenges and remedies
- Adsorption: Versatile technique for water pollution
- Global water crisis
- Activated carbon for water treatment
- Impact of Industries on water resources
- Green technologies in Desalination
- Atmospheric pollution and corrosion

Who should attend

This course would be beneficial to Faculty members and Research Scholars from Engineering and Science discipline and Industry Professionals

Organizing Committee

CHIEF PATRON	:	The Vice-Chancellor, Anna University, Chennai, Tamil Nadu
PATRON	:	Dr.Ranee Maria Leonie Vedamuthu, Registrar, Anna University, Chennai, Tamil Nadu
CO-PATRON	:	Prof. Usha Natesan, Director, Centre for Constituent Colleges (CCC), Anna University, Chennai, Tamil Nadu
CHAIR	:	Dr. S. Sutha, Professor & Dean, Anna University, University College of Engineering – Dindigul, Tamil Nadu
Co-CHAIR	:	Dr. R.Kannan, Professor & HOD - Science & Humanities, Anna University, University College of Engineering – Dindigul, Tamil Nadu
Coordinator	:	Dr.C.Jeyaprabha, Associate Professor of Chemistry, Anna University, University College of Engineering – Dindigul, Tamil Nadu
Co-coordinators	:	Dr.N.Viswanathan, Assistant Professor of Chemistry, Anna University, University College of Engineering – Dindigul, Tamil Nadu
	:	Dr.K.Sekar, Assistant Professor of Chemistry, Anna University, University College of Engineering – Dindigul, Tamil Nadu

Registration

- Registration will be done in online through <https://atalacademy.aicte-india.org/login>
- There is no registration fee for faculty members, research scholars and PG students for attending the course. However, as the number of external participants is limited to 150, external participants will be registered based on first cum first serve basis.
- **Registration (on or before) : 12.08.2021**
- **Acceptance will be intimated through participant's registered e-mail**

Criteria for Certificate

- A test will be conducted (online) by the coordinator at the end of the program.
- The Certificates shall be issued by AICTE Training and Learning (ATAL) academy to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test conducted at the end of the online FDP.
- Attendance and Participation will be through <https://atalacademy.aicte-india.org/login>

Address for Correspondence

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Dindigul – 624 622, Tamil Nadu

REGISTRATION FORM

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23 - 27 August 2021

Anna University – University College of Engineering Dindigul,

Dindigul - 624622, Tamil Nadu

- Name (Dr /Mr/Mrs) :
- Designation :
- Department :
- Institute/Organization :
- Address :

- Mobile :
- Email :

Signature of the Applicant with Date

Signature of Authorized Signatory with Seal