ONLINE FIVE DAYS FDP
ON
"Smart Materials for Energy and Environment- An Experimental and Theoretical Perspectives"
26-07-2021 to 30-07-2021

REGISTRATION

- Only Online Registration for the online FDP.
- No Registration Fee.

Registration Link: https://bit.ly/ofdpworkshop

ELIGIBILITY

The Programme is open to the Faculty of AICTE approved Institutions, Research Scholars and PG Scholars interested in the field of Materials Sciences for Energy and Environment applications

CERTIFICATION

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.

IMPORTANT DATES

Last date of Online Registration: 22-07-2021
Intimation of Selection : 24-07-2021

FOR FURTHER ENQUIRY

Email:smartmaterials4energy@gmail.com
Phone No: 7904393781 / 9894280427

ORGANIZING COMMITTEE

CHIEF PATRON

Vice-Chancellor,
Anna University, Chennai.

PATRON

Dr. Ranee Vedamuthu
Registrar,
Anna University, Chennai.

CO-PATRON

Prof. Usha Natesan
Director,
Centre for Constituent Colleges Anna University, Chennai.

CONVENER

Dr. S. Arulchelvan
Dean,
University College of Engineering, Villupuram

Organizing Secretary

Dr.C.Ramachandran
Asso. Prof & Head
Department of S&H

Organizing Committee Members

Dr. C. Paul Raj Asso. Prof
Dr. V. Selva Raj Asst. Prof
Dr. R. Sankar Asst. Prof
Department of Chemistry,
UCE – Villupuram,
Anna University, Chennai

ONLINE FIVE DAYS FACULTY DEVELOPMENT PROGRAMME (FDP)

ON

"Smart Materials for Energy and Environment- An Experimental and theoretical Perspectives"

July 26, 2021
to
July 30, 2021

Co Ordinator
Dr. D. Gajalakshmi

Organized by

Department of Chemistry
University College of Engineering
Kakuppam,Villupuram – 605103

ABOUT THE COLLEGE

University College of Engineering Villupuram, (A Constituent College of Anna University) was started in the year 2008.The college offers five Under Graduate courses and a Post Graduate course in the field of Engineering and Technology. The college is situated at Kakuppam, Villupuram town with an extent of 17.5 acres which includes excellent academic building, hostel, mess and canteen.

The college is well equipped with smart lecture halls, spacious conference halls, necessary laboratories and advance equipment's for research and academic activities. UCEV act as the center for Technical Skill Development Institute in association with TNSDC, Govt. of Tamilnadu and Siemens & Design Technology Private Ltd. UCEV is Recognized as AIEDP-Hub by Entrepreneurship Development and Innovation Institute, (EDII) Govt. of Tamilnadu. UCEV is one of the Remote centre RCC-IIT Bombay.

ABOUT THE DEPARTMENT

The Department of Chemistry was established in UCEV, in the year 2008 with the objective of imparting value added education for the society in the field of Chemistry. The Department is aspiring to prepare students for lifelong learning to undertake professional career in industry, research and teaching field. The Department of Chemistry has been continuously making progress in teaching and research activities. The Department offers the course by the syllabus and curriculum framed by Anna University. The Chemistry Department has a team of highly qualified, experienced and dedicated faculty members to impart technical education. It has a well-equipped Nano Tech research lab with all the required equipment's to carry out research work for the students. The Department has Wi-Fi enabled class rooms to support e-learning. Soft skill training programs, workshops and lectures are being arranged for the student in order to inculcate employability skills and social focus on the minds of upcoming Professionals.

OBJECTIVE OF WORKSHOP

The objective of this faculty development training programme is to give a broad exposure to Faculty members handling the course "Materials Sciences" in Engineering Colleges affiliated to AICTE.

COURSE OUTLINE

- Quantum Materials for hydrogen production and CO_2 conversion
- New generation Magnetic Materials
- Battery Technologies for E-mobility
- Introduction to Materials Science
- Need for Materials science
- Progress in Materials development
- Materials for Energy and Environment
- Development of smart materials for Energy
- First principles modeling of photovoltaic materials
- Optical Nano materials
- Bio photonics materials
- Modeling materials for Energy applications
- Materials for sensor applications
- Smart materials for Energy and Environment - Challenges and Opportunities
- Conversion of Nano particles to wave file for sensor application.