

## Chief Patron

Kavi Kireeti  
Dr. V Malakonda Reddy  
President, CBIT

## Advisor

Prof. G. P. Saradhi Varma  
Principal – CBIT

## Convenor

Prof. K. LAXMI  
Head, Department of Chemistry

## Coordinators

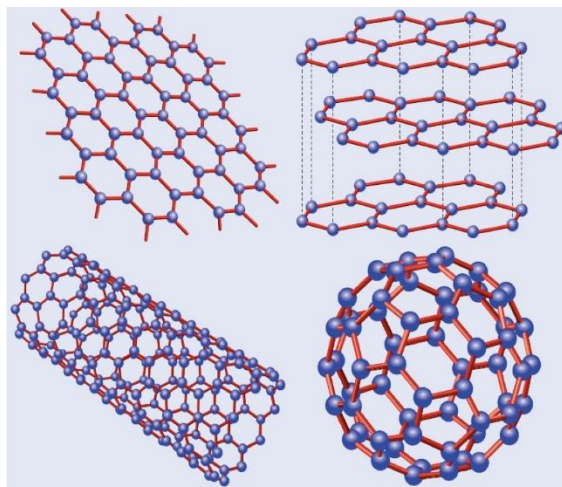
Dr. S. Shylaja  
Dr. M.Mamatha  
Dr. P. Muralikrishna  
Dr. M.Rama Devi

## Members

Dr. K. Ramesh  
Dr. D. Saritha  
Dr. G. Venkata Ramesh  
Dr. N. Mahender Reddy  
Dr. K. Satish Kumar

## Guidelines

- Eligible participants will be selected based on first come first serve basis and will be intimated by e- mail only.
- e-Certificate will be issued to the participants, who have an attendance of minimum 80%



## Registration Details

- No Registration Fee
- All the participants are requested to register using the following link

<https://forms.gle/1jGotonVaQBH1dcj6>

For Further Details

Please Contact

9848711523; 7075428999

Email Id: fdp2021\_chemistry@cbit.ac.in

[www.cbit.ac.in](http://www.cbit.ac.in)

One Week Online  
Faculty Development Programme  
on

RECENT TRENDS IN ADVANCED  
MATERIALS SCIENCE AND  
ENGINEERING TECHNOLOGY  
(RTAMSET-21)

08<sup>th</sup> - 12<sup>th</sup> March, 2021



Organized by

Department of Chemistry  
Chaitanya Bharathi Institute of Technology  
(Autonomous under UGC)  
Affiliated to Osmania University  
Gandipet, Hyderabad – 500075  
Telangana State, India.

## About CBIT

CBIT is one of the premier Engineering Institutes in India, pioneer in Telangana State, which is at idyllic surroundings of Gandipet Lake, Hyderabad. The college offers Nine UG and Eleven PG programs. It has been standing as a temple of knowledge for the past 42 years by producing about 25,000 Eminent and skillful Graduate Engineers, who are successful in their Careers, serving all over the Globe. Brilliant and Meritorious Candidates with good EAMCET Rank are seeking admissions at CBIT. CBIT Students are prepared and perfected to secure Placements in reputed MNCs. The Institute has been accredited by NAAC – UGC with 'A' Grade and the various programs are accredited by NBA – AICTE. The UGC has granted Autonomous Status from the Academic Year 2013-14 onwards. The Grants received from AICTE/UGC are worth about Rs. 2.75 Crores. Stringent Academic Standards, Industry Compliant Teaching Methodology, Research Projects from Private and Public Sector organizations Industries in Engineering and Management and Consultancy Practice, enabled the Institute to establish its Identity in the Technical Education and is Ranked No. 1 amongst the Private Engineering Colleges in both the Telugu Speaking States.

## About the Department

The Department of Chemistry serves the purpose of imparting knowledge in the core science subject, which is a foundational building block for most engineering disciplines.

As such, high tech labs with the latest technology greet any students and faculty members of the college looking to strengthen their base in this subject. A team of extremely capable teachers and staff members keep the department running in full throttle.

The vision of the department is to develop it into a center of learning, offering postgraduate and research programs in pure and applied chemistry.

The mission of the department is to impart value based technical education so that the next generation engineers who serve society will be produced..

## About the Faculty Development Programme

- The main objective of this one week intensive Faculty Development Program is to bring together experts from Industry and academia to facilitate effective interaction leading to knowledge sharing.
- To provide a forum to the faculty to quench their thirst for creativity in frontier areas of materials science.
- Materials science is a key technology for environmental sustainability development and therefore this is a growing input of materials in engineering technology.
- To focus on technological developments in the field of basic sciences, nano technology, mechanical engineering, etc.

## Topics to be covered in the FDP

The topics include introductory concepts and advanced topics with various applications. The following topics will be covered but are not limited to:

- Nano materials-its biomedical applications
- Composite materials- synthesis and characterization
- Solar cells
- Polymer materials
- Smart materials and its applications
- Advanced functional materials
- Artificial Intelligence based modeling - design of functional materials
- Magnetic oxide nano particles

## Resource Persons

Resource Persons will be from Renowned Institutions, universities, Industries and CBIT.

## Eligibility

The faculty members of AICTE approved institutions, research scholars, PG Scholars and Industries.