



**CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT,
ODISHA
FDP on**

***Different tools and softwares for Chemistry education and research
(ChemDraw, Origin, MestreNova, Mercury)
(06-11-2017 TO 10-11-2017)***

REPORT

No. of Participants: 12

DATE AND VENUE: 06-11-2017 TO 10-11-2017, Centurion University of Technology and Management (CUTM), Paralakhemundi campus.

ABOUT RESOURCE PERSON: Dr. Susanta K. Biswal is a Professor in Chemistry at Centurion University, Jatani Campus. He has vast research experience in advanced fields of chemistry research, and well conversant in various analytical tools and softwares. He has published articles in reputed national and international journals.

ABOUT THE PROGRAM:

A total of 12 faculty members from the departments of Mathematics, Physics, Chemistry & of Paralakhemundi and Bhubaneswar campuses attended the program. The topics like: use of ChemDraw tool to draw organic molecular structure, prediction of ^1H NMR and ^{13}C spectra, converting 2D structures to 3-dimensional image by Chem3D, Writing Chemical reactions and calculation of yield from it, applications of OriginPro to create graphs, analysis of NMR spectra using MestreNova, analysis of crystallographic data using Mercury etc. were covered in the FDP through interactive and practice modes. The entire interactive lecture sessions were conducted in CSREM Conference hall followed by the respective practice sessions. The FDP was well-structured, informative, interactive, and enriched with knowledge.

I owe my gratitude to the resource person Dr. Susanta K. Biswal for delivering the contents relentlessly and his untiring discussions throughout the FDP.

OBJECTIVES:

1. To provide training on various softwares and tools useful for Chemistry education and research.
2. To teach the applications of ChemDraw.
3. To teach the applications of OriginPro.
4. To solve structural problems through MestreNova and Mercury Programming.

OUTCOME:

After the conduction of this FDP, the faculty members would be able to apply the training in chemistry education, structure drawing, experimental result analysis, spectra analysis etc. and deliver the contents to the students of B.Sc./M.Sc. programmes comfortably as well.

Comments and suggestions:

- i. This FDP was very beneficial to all the faculty members.
- ii. This type of interactive and participatory FDP in other fields/topics should be arranged to advance and update the knowledge of faculty members.



Brochure Of the event



List of Participants

Sl. No.	Name
1	Prof. (Dr) Sudhansu Sekhar Nayak
2	Dr. Pratibha Tripathy

3	Mr. Gouri Kumar Sahu
4	Dr. Debasis swain
5	Dr. Ashok Mishra
6	Dr. Banitamani Mallik
7	Dr. Satya P. Nanda
8	Dr. Narayan Gouda
9	Mr. I. Siva Ramakoti
10	Bikash Samantaray
11	Dr. Lopa Sarkar
12	Dr. Moumita Samanta



Dr. Prasanta Ku. Mohanty
Dean Academic



Prof. KVD Prakash
Dean - IIE & HRD