



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

**on**

**Analysis of different chemical and biological compounds using  
various spectroscopic methods (UV-Vis, IR, NMR, Mass, Raman)**

**(14-10-2019 to 19-10-2019)**

**REPORT**

No. of Participants: 13

**DATE AND VENUE:** 14-10-2019 to 19-10-2019, Centurion University of Technology and Management (CUTM), Paralakhemundi campus.

**ABOUT RESOURCE PERSON:** Dr. Sayed Muktar Hossain is Asst. Professor in Chemistry at Centurion University, Paralakhemundi Campus. He has 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 13 faculty members from the departments of Chemistry, Physics, and Mathematics of Paralakhemundi and Bhubaneswar campuses attended the program. The resource person Dr. Sayed Muktar Hossain discussed on topics like: analysis of different chemical and biologically important compounds, application of various analytical techniques such as UV-Vis, IR, <sup>1</sup>H NMR and <sup>13</sup>C spectra, Raman and Mass spectra etc. The topics 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.

Dr. Narayan Gouda gave vote of thanks to the resource person for delivering the contents relentlessly and his untiring discussions throughout the FDP.

**OBJECTIVES:**

1. To provide training on different advanced analytical techniques for structural analysis of compounds.
2. To provide idea about analysis of various UV, IR and NMR spectra useful for Chemistry education and research.
3. To give idea on application of Mass and Raman spectroscopy.
4. To solve structural problems through combination of all types of spectra analysis.

**OUTCOME:**

After the conduction of this FDP, the faculty members would be able to apply the training in chemistry education, structure prediction from NMR data, 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.



**Faculty Development Program**  
**On**  
**Analysis of different chemical and biological compounds**  
**using various spectroscopic methods (UV-Vis, IR, NMR,**  
**Mass, Raman)**

14-10-2019 to 19-10-2019  
10.00 am to 5.00 pm

**Resource Persons**  
Dr. Sayad Muktar Hossain  
Asst. Professor  
Dept. of Chemistry  
CUTM Paralakhemundi Campus

**Organised by**  
Dept. Of Chemistry  
Centurion University of Technology and  
Management, Paralakhemundi Campus

Brochure Of the event



**List of Participants**

	Name	Signature
1	Prof.(Dr) Sudhansu Sekhar Nayak	

2	Dr. Narayan Gouda	
3	Mr. I. Siva Ramakoti	
4	Dr. Debasis swain	
5	Dr. Ashok Mishra	
6	Dr. Banitamani Mallik	
7	Dr. Satya Prakash Nanda	
8	Dr. Rosy Mallik	
9	Dr. S K Najmul Islam	
10	Dr. Satyanarayan Dhal	
11	Mr. G.K. Sahu	
12	Dr. Chandana Adhikari	
13	Dr. Pratibha Tripathy	

  
Prof. KVD Prakash  
Dean - IIE & HRD

  
Dr. Prasanta Ku. Mohanty  
Dean Academic