



CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, ODISHA
FDP
on
“Synthesis routes of nanomaterials and their characterization”
(27th to 31st Aug 2018)
REPORT

No. of Participants: 15

DATE AND VENUE: 27th to 31st August 2018, Centurion University of Technology and Management (CUTM), Paralakhemundi campus.

ABOUT RESOURCE PERSON: Prof. Gouri Kumar Sahu is an Assistant Professor of Physics at Centurion University of Technology and Management in Odisha, specializing in new materials and nanomaterials development. He has twenty years of teaching experience at Graduate level and he is continuing his research in new material development. He has published articles in reputed international and national journals.

ABOUT THE SESSION:

A total of 15 faculty members from the departments of Physics, Chemistry of Paralakhemundi, Bhubaneswar, Bolangir & Rayagada campuses attended the program assiduously. The topics like: Various approaches of nano material synthesis, different top down and bottom-up methods used to synthesize various classes of nanomaterials, different characterization techniques used for nanomaterial characterization 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 practical demonstration of nanomaterial synthesis at the chemistry lab. Related study materials were prepared and distributed among all participants. Overall, the FDP was well-structured, informative, interactive, and enriched with knowledge. I owe my gratitude to Prof.G.K.Sahu for delivering the contents relentlessly and his untiring discussions throughout the 5 days of this FDP. And I also thank Dr.Narayan Gouda HoD Dept.of Chemistry for providing us the laboratory facilities and extending all supports to conduct the practice sessions on the synthesis of nanomaterials.

OBJECTIVES:

1. To give a brief introduction on synthesis on various types of nanomaterials.
2. To teach the basics of characterization techniques used for the characterization of nanomaterials.
3. To show how to synthesize nanomaterials by top down and bottom-up methods.

OUTCOME:

After the conduction of this FDP, the faculty members would be able to deliver the contents on the synthesis of nanomaterials by using various methods and to teach students of B.Sc., M.Sc. programmes on the topics related to synthesis of nanomaterials by different methods comfortably. A Faculty Development Program was organized by School of Applied Sciences, Paralakhemundi from 27th to 31st August 2018 on " **Synthesis routes of nanomaterials and their characterization** ". This programme was coordinated by Prof. I.Siva Ramakoti

Department of Chemistry and was facilitated by the resource person Prof.Gouri Kumar Sahu , Assitant Professor,Department of Physics.

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 at least twice a year to advance and update the knowledge of faculty members.
- iii. Another FDP may be arranged with the “Advanced applications of nanomaterials in water remediation ” within the next six months.



Faculty Development Programme on
“Synthesis routes of nanomaterials and their characterization”



Resource Person:
Prof. Gouri Kumar Sahu
Dept.Of Physics, Centurion University of Technology and management,Odisha

• Date: 27th-31st Aug 2018

School of Applied Sciences

Centurion University of Technology and Management
Paralakhemundi
Odisha

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Prabhat K. Pattnaik
FDP Coordinator

Handwritten signature of Dr. Prasanta Ku. Mohanty.

Dr. Prasanta Ku. Mohanty
Dean Academic

