



**CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, ODISHA**  
**FDP**  
**on**  
**“Thermolytic Conversion of Waste Polyolefins into Fuels”**  
**(4<sup>th</sup> to 8<sup>th</sup> Dec, 2017)**  
**REPORT**

No. of Participants: 14

**DATE AND VENUE:** 4<sup>th</sup> to 8<sup>th</sup> Dec, 2017 Centurion University of Technology and Management (CUTM), Paralakhemundi campus.

**ABOUT RESOURCE PERSON:** Dr. Narayan Gouda is an Assistant Professor of Chemistry at Centurion University of Technology and Management in Odisha, specializing in thermal conversion of waste biomass and waste plastics for production of fuels. He obtained his doctoral degree from Centurion University of Technology and Management, Odisha. He has more than 10 years of teaching experience. His current interests are focused on the development of fast pyrolysis of biomass for the upgradation of the fuel property to make it a better substitute for the fossil fuels and utilisation of waste plastics for the preparation of composites. He has published articles in reputed international and national journals.

**ABOUT THE SESSION:**

A total of 14 faculty members from the departments of Physics, Chemistry & Mechanical Engg. of Paralakhemundi, Bhubaneswar, Bolangir & Rayagada campuses attended the program assiduously. The topics like: Exploration of different polyolefins, s for the production of bio-oil, Conversion of waste plastics to biofuel by thermal degradation and catalytic thermal degradation process, practical demonstration of the pyrolysis process 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 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 Dr.Narayan gouda for delivering the contents relentlessly and his untiring discussions throughout the 5 days of this FDP.

**OBJECTIVES:**

1. To give a brief introduction on Thermolytic conversion process.
2. To teach the basics of Pyrolysis.
3. To show how to convert waste polyolefins into fuels by thermolytic process.

**OUTCOME:**

After the conduction of this FDP, the faculty members would be able to deliver the contents of the PYROLYSIS and to teach students of B. Tech, B.Sc. M.Sc. programmes on the topics related to conversion of waste plastics into fuel by pyrolysis methods comfortably. A Faculty Development Program was organized by School of Applied Sciences, Parlakhemundi from 4<sup>th</sup> Dec – 10<sup>th</sup> Dec 2017 on " **Thermolytic Conversion of Waste Polyolefins into Fuels** ". This programme was coordinated by Prof. I.Siva Ramakoti Department of Chemistry and was

facilitated by the resource person Dr. Narayan Gouda, Assistant Professor, HOD, Department of Chemistry.

**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 and hands on training on thermolytic conversion of bio-wastes into fuels” within the next six months.



**Faculty Development Programme on “Thermolytic Conversion of Waste Polyolefins into Fuels”**



Resource Person: Dr. Narayan Gouda  
Dept.Of Chemistry, Centurion University of Technology and management,Odisha

• Date: 4<sup>th</sup>-8<sup>th</sup> Dec 2017

School of Applied Sciences

Centurion University of Technology and Management  
Paralakhemundi  
Odisha

**Brochure Of the event**



Centurion University of Technology and management  
FDP on "Thermolytic Conversion of Waste Polyolefins into Fuels"  
4<sup>th</sup> to 8<sup>th</sup> Dec 2017  
Attendance sheet

| Sl.No | Name                     | Full Signature       |
|-------|--------------------------|----------------------|
| 1     | Dr. Debasis swain        | Debasis Swain        |
| 2     | Dr. Satya Prasad Nanda   | Satya Prasad Nanda   |
| 3     | Mr. Amrit Mallick        | Amrit Mallick        |
| 4     | Mr. Sujit Mishra         | Sujit Mishra         |
| 5     | Somalika Pradhan         | Somalika Pradhan     |
| 6     | Subhraj Panda            | Subhraj Panda        |
| 7     | Dr. Ashish Kumar Sahoo   | Ashish Kumar Sahoo   |
| 8     | Nibedita Nayak           | Nibedita Nayak       |
| 9     | Mr. Raghuvver Dontikurti |                      |
| 10    | Dr. Pratibha Tripathy    | Pratibha Tripathy    |
| 11    | Mr. Santosh Patro        | Santosh Patro        |
| 12    | Mr. I.Siva Ramakoti      | I. Siva Ramakoti     |
| 13    | Suchismita Acharya       | Suchismita Acharya   |
| 14    | Chittaranjan Routray     | Chittaranjan Routray |

Dr. Prasanta Ku. Mohanty  
Dean Academic

Prabhat K. Pattnaik  
FDP Coordinator