



CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, ODISHA
FDP
on
“Iradina Simulation in Materials Science Research”
(15-11-2017 to 19-11-2017)
REPORT

No. of Participants: 08

DATE AND VENUE: 15th to 19th November, 2017, Centurion University of Technology and Management (CUTM), Paralakhemundi campus.

ABOUT RESOURCE PERSON: Dr. Satyanarayan Dhal is Assistant Professor in Physics at Centurion University Of Technology And Management, Odisha. He has vast research experience in synthesis of different types of nanomaterials, study of ion induced defects on different materials. He has published articles in reputed international and national journals.

ABOUT THE SESSION:

A total of 08 faculty members from the departments of Mathematics, Physics, Chemistry & Mechanical Engg. of Paralakhemundi, Bhubaneswar, Bolangir & Rayagada campuses attended the program assiduously. The topics like: 3D Monte Carlo Simulation of Ion Beam Irradiation of Nanostructures, 3D targets, How to Use iradina, Optimization, what you cannot do with iradina, Use Cases etc. were covered in the FDP through interactive and hands on session modes. The entire interactive lecture sessions were conducted in CSREM Conference Hall followed by the respective practice sessions in CSE Lab-3. Related study materials were prepared and distributed among all participants. The FDP was organised neatly, filled with useful information, fun to participate in, and a wealth of new information. For the 7 days of this FDP, Dr. S Dhal's unwavering delivery of the materials and his never-ending discussions were invaluable to each participant. Dr. P. Rath, Assistant Professor, Department of Physics, has also been very helpful to me and the participants by guiding them through the various practise sessions. We'd also like to express our gratitude to Dr. Ashok Mishra, Dean, School of Applied Sciences for lending all support in running the practise sessions.

OBJECTIVES:

1. To give a brief introductory platform on iradina.
2. To teach basics of 3D Monte Carlo Simulation of Ion Beam Irradiation of Nanostructures.
3. To show operations on iradina.
4. To solve use cases through iradina.

OUTCOME:

After the conduction of this FDP, the faculty members would be able to deliver the contents of the iradina related projects to the students of of B.Sc./M.Sc. programmes comfortably. A Faculty Development Program was organized by School of Applied Sciences, Paralakhemundi from 15th to 19th November, 2017 on "Iradina Simulation in Materials Science Research". This programme was coordinated by Prof. Ashok Misra, Professor, Dean School of Applied Science.

Comments and suggestions:

- Everyone on staff benefited greatly from this FDP.
- The advancement and updating of faculty members' knowledge necessitates the arrangement of this type of interactive and participatory FDP in other fields/topics at least twice a year.
- Within the next six months, it's possible to set up another FDP centred on "SRIM simulations"



Faculty Development Programme on "Iradina Simulation in Materials Science Research"



Highlights:

1. 3D Monte Carlo Simulation of Ion Beam Irradiation of Nanostructures, 3D targets, How to Use iradina, Optimization, what you cannot do with iradina, Use Cases

Invited Person:

Dr. Satyanarayan Dhal,

Date: 15-11-2017 to 19-11-2017



School of Applied Sciences

**Centurion University of Technology and Management
Paralakhemundi
Odisha**

Brochure Of the event



CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, ODISHA
WORK SHOP ON “**Iradina Simulation in Materials Science Research**”

DATE: 15-11-17 TO 19-11-17

ATTENDENCE SHEET

SL. NO	NAME	FULL SIGNATURE
1	Prof.(Dr) Sudhansu Sekhar Nayak	S. S. Nayak .
2	Dr. Pratibha Tripathy	Pratibha Tripathy .
3	Mr. Gouri Kumar Sahu	Gouri Kumar Sahu
4	Dr. Debasis swain	Debasis Swain .
5	Dr. Ashok Mishra	A. Mishra
6	Dr. Banitamani Mallik	Banitamani Mallik
7	Dr. Narayan Gouda	Narayan Gouda
8	Dr. Satya Prasad Nanda	S. P. Nanda .

Prof. KVD Prakash
Dean - IIE & HRD

Dr. Prasanta Ku. Mohanty
Dean Academic