CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, ODISHA

FDP

on

"SRIM Simluation and Defects in Materials"

(10-10-2018 to 14-10-2018)

REPORT

No. of Participants: 09

DATE AND VENUE: 10th to 14th October, 2028, Centurion University of Technology and Management (CUTM), Paralakhemundi campus.

ABOUT RESOURCE PERSON: Dr. Satyanarayan Dhal is Assistant Professor in Physics at 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 09 faculty members from the departments of Physics, Chemistry of Paralakhemundi, campuses attended the program. The topics like: Ion Stopping and Range in Targets, Ion Implantation, Sputtering, Ion Transmission were covered in the FDP through interactive and hands on session modes. The practise sessions were held in CSE Lab-3, which was followed by the interactive lecture sessions that were hosted in the CSREM Conference Room. the compilation and dissemination of pertinent learning materials to each and every participant in the study. The FDP was extremely well-organized, jam-packed with information that was pertinent to the discussion at hand, fun to take part in, and abundant in recent findings. Dr. S. Dhal's unflinching delivery of the themes and never-ending talks were beneficial to each participant during the entirety of this FDP, which lasted for a total of seven days. In addition to being of great support to me and the participants, Dr. P. Rath, Assistant Professor in the Department of Physics, has been of great assistance to us all by guiding them through the various practise sessions. For his help in organising the practise sessions, we would also like to extend our gratitude to Dr. Ashok Mishra, Dean of the School of Applied Sciences.

OBJECTIVES:

1. Simulation for ion ranges
2. Analyze interface mixing and cross-contamination between layers.
3. How to construct a Gas Proportional Detector target for an ion beam.
4. How ions damage crystalline material, creating displacements, vacancies, interstitials and replacement collisions.

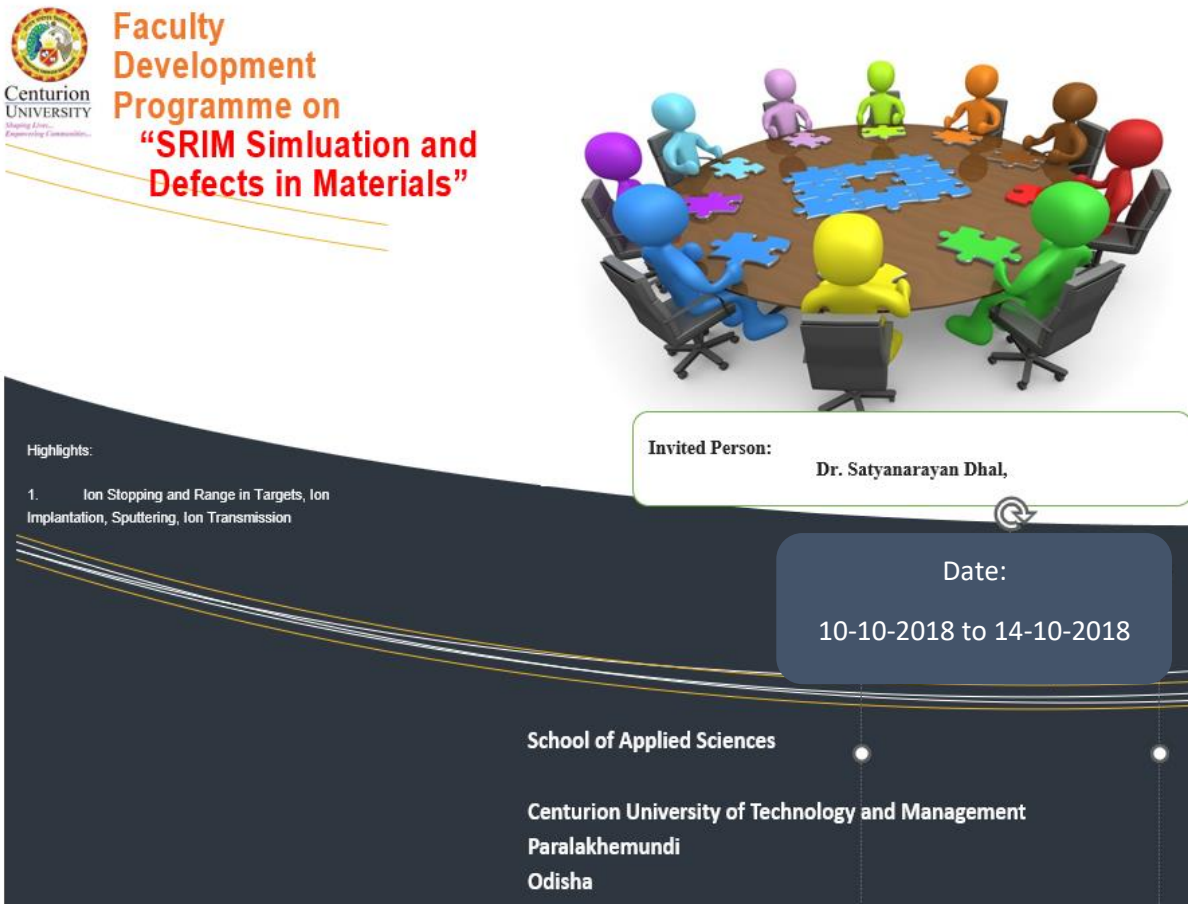
OUTCOME:

After the completion of this FDP, faculty members will be able to provide the contents of blends-related projects to B.Sc./M.Sc. students without difficulty. School of Applied Sciences, Paralakhemundi held a Faculty Development Program on " SRIM Simluation and Defects in Materials" from **10**th to 14th October, 2028. Prof. Ashok Misra, Professor, Department of Mathematics, coordinated this programme,

Comments and suggestions:

• All employees profited substantially from this FDP.

• At least twice a year, this form of interactive and participatory FDP in various fields/subjects is required for the progression and upgrading of faculty members' knowledge.



Brochure Of the event

Centurion University

CENTURION UNIVERSITY OF TECHNOLOGY AND MANAGEMENT, ODISHA

WORK SHOP ON " **SRIM Simulation and Defects in Materials**"

DATE: 10-10-2018 TO 14-10-2018

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. Satya Prasad Nanda	S. P. Nanda
5	Dr. Narayan Gouda	Narayan Gouda
6	Dr. Debasis swain	Debasis Swain
7	Dr. Ashok Mishra	A. Mishra
8	Dr. Banitamani Mallik	Banitamani Mallik
9	Dr. Sayed Muktar Hossain	Sayed Muktar Hossain

Prof. KVD Prakash
Dean - IIE & HRD

Dr. Prasanta Ku. Mohanty
Dean Academic