



Central Facilities For Research and Development (CFRD)

OsmaniaUniversity



Hands on X-ray photoelectron spectroscopy (XPS) Training Programme

7th - 9th DECEMBER, 2022

Central Facilities For Research and Development (CFRD) is organizing a *Three Day* Hands on X-ray photoelectron spectroscopy (XPS) Training Programme, for the benefit of researchers working in this area. The CFRD conducting such capacity building programs regularly from 2015 onwards, for importing high quality technical skills for the scientific community. The main objective of this training programme is to develop quality technical skills of the researchers in the analysis of element characterization in and around the Osmania University. This training programme gives exposure to the applicants to have a hands on training with advanced state of art techniques to carry our research in frontier areas of science. This training programme aims to provide training for young researchers by experienced scientists. The present training programme is to provide hands on experience in characterization based techniques, methodology talks and question and answer sessions where experts will discuss their technologies and suggest solutions. Later, researchers of this region can get access to the CFRD facility for their specific research problems, which in turn help them to publish good quality research articles in various targeted or peer reviewed journals with high impact factor.

PROGRAMME

Day-1 (7th DEC 2022) :

09:30-10:00 –Registration

10:00-10:30 –Inaugural - Session

10:30 -10:45 - Tea Break

10:45 -13:00 – Lecture 1: Basics of XPS, Kratos XPS models with features, AMICUS Introduction, data Interpretation & applications of XPS (BY SHIMADZU ANALYTICAL (INDIA)PVT Ltd)

13:00 -14:00 - Lunch

14:00 -16:00 - Lecture 2: Operation of XPS & Software

Day-2 (8th Dec 2022):

(1st Batch)

10:30 -11:30 – Hands on training XPS Instrument,like XPS Operation, Sample Introduction, Sample analysis

11:30 -11:45 - Tea Break

11:45 -13:00 - Software Operation, Maintenance of the Instrument

13:00 -14:00 - Lunch break

(2nd Batch)

14:00 -17:00 -XPS operation, sample introduction, sample analysis, software operation, maintenance of the equipment (BY SHIMADZU ANALYTICAL (INDIA)PVT Ltd)

Day-3 (9th Dec 2022):

10:30 -11:30 – Using XPS Instrument standard sample analysis, Analysis of results

11:30 -11:45 - Tea Break

11:45 -13:00 - Analysis of Results

13:00 -14:00 – LUNCH

14-00-15.00 - Using XPS Instrument

15.00 -16.000 - Certificate distribution & Valedictory session

For more details please contact:

The Director

Central Facilities for Research and Development (CFRD)

Osmania University

Hyderabad-500007

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CENTRAL FACILITIES FOR RESEARCH AND DEVELOPMENT (CFRD)

Osmania University

Hands on X-ray photoelectron spectroscopy (XPS) Training Programme

OSMANIA UNIVERSITY

Registration Form

First Name: _____ Surname: _____

Gender: Male () Female () Birthdate (dd/mm/yyyy): ____/____/____

Current Position: _____ Institution / Organization: _____

Mailing Address: _____

Mobile/Landline Number: _____ E-mail: _____

Your field of interest (Please check):				
<input type="checkbox"/> Biochemistry	<input type="checkbox"/> Structural Biology	<input type="checkbox"/> Biotechnology	<input type="checkbox"/> Physics/BioPhysics	<input type="checkbox"/> Other (Please Specify):

What is the reason(s) and why do you want to participate in this training/workshop?

What are your expectations from this training/workshop?

Registration Fee: This fee will include High Tea and lunch on all days

Fee Structure:

Students:	Rs. 1500/-
Research scholars:	Rs. 3000/-
Other University faculty members & Researcher:	Rs.4000/-
Spot Registration	Rs.3500/-

- * Number of participants is limited to **30** (selection of candidates will be on **First-Come-First-Served** basis)
- * **Payment can be made through a DD in favor of "The Director, C.F.R.D., OU", Hyderabad or Online transfer to the following Account**
Name of the Account: The Director, CFRD. OU
Name of the bank & Branch- State Bank of India, Osmania University
Bank Account Number : 62105383970
IFSCode: SBIN0020071
- * Complete application with registration fee should reach on or before **5th December, 2022 by 4.00pm** to the following address
- * Incomplete application forms will not be considered.
- * **Accommodation will be provided for the registered candidate on request in University Guest House on First Come First Served Basis. Participants have to pay the Accommodation charges.**

The Director
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