



# Two days training program on Electrochemical workstation

Call for Registration and Participation

**Coordinator**

**Prof. Mahendra D. Shirsat,**

**Head, Department of Electronics,**

**Dr. Babasaheb Ambedkar Marathwada**

**University, Aurangabad, MS, India.**

**Organized by the**

**Department of Electronics/RUSA – Centre for  
the Advanced Sensor Technology, Dr.**

**Babasaheb Ambedkar Marathwada**

**University, Aurangabad 431004, MS , India.**

**Date – 22 Sep. 2022 to 23 Sep. 2022**

## **About RUSA CAST/Department of Electronics**

The Centre aims to be a common platform for the students and faculties of the Universities / Colleges across the state of Maharashtra and their underneath institutions, individuals and established entrepreneurs to hone the necessary skills of research in Sensor Science and Technology, study of economic demands and accordingly shape the ideas to a marketable product.

## **Facilities available at RUSA CAST/Department of Electronics**

Atomic Force Microscopy (AFM) with STM and EFM and Electrochemical Cell attachments, X-Ray Diffractometer, Fourier Transfer infrared Spectrophotometer (FTIR) with ATR attachment, Ultraviolet Spectrophotometer (UV), Raman Spectrometer, Electrochemical Workstation, Probe Station with Optical Microscope, Hyperspectral Imaging Spectrometer, BET Surface Area Analyzer. For more details visit - <https://profmdshirsat.com/>

## **Objective of the training program**

- To enable the participants to understand the principles, applications and hand-on experience on Electrochemical workstation analyser.
- To interact with research personnel and discuss real-time research and make collaborations.
- To encourage the participants to utilize the facilities present at RUSA CAST centre and enhance research temper.

## **Course contents and schedule of program**

### **First day (22 Sep. 2022)**

- 9.30 am to 10 am – Inauguration of training program  
10 am to 11 am – General information of CHI instrument  
11am to 1 pm – Electrochemical techniques (Part 1)  
1 pm to 2 pm – Lunch break  
2 pm to 4 pm – Electrochemical techniques (Part 2)  
4 pm to 5 pm – Visit of RUSA CAST labs (Part 1)

### **Second day (22 Sep. 2022)**

- 9.30 am to 10 am – Interaction session (Prof. M.D. Shirsat)  
10 am to 11 am – Sweep techniques Hands on training  
11 am to 12 pm – Step Techniques Hands on training  
12pm to 1 pm – AC techniques training Hands on training  
1 pm to 2 pm – Lunch break  
2 pm to 3 pm – Controlled Current Techniques training  
3 pm to 4 pm – Demonstration of Supercapacitor and Heavy metal ion sensors  
4 pm to 4.30 pm – Visit of RUSA CAST labs (Part 2)  
4.30 to 5 pm – Valedictory function

## **Target participants**

Faculty/Post doc fellows/Ph.D. fellows/ Industry Persons/ M.Sc. Students/ M. Tech. students/ B. Tech students who are actively involved in research and development in the field of Chemistry, Physics, Materials sciences, Instrumentation.

### **Course Fees – Free**

### **Number of Participants – 20**

### **registration – Offline at Department of electronics**

### **General instructions**

- Students may bring their samples for Hands on training.
- Outstation participants have to arrange accommodation by their own.

### **Course Instructor**

Dr. Vijaykiran N. Narwade

Mr. Kamlesh Deore

Mob no. 9765734431

Mob no. 9403636348

### **Venue**

Department of Electronics,

Dr. Babasaheb Ambedkar Marathwada University,

Aurangabad (M.S.) 431004 India.