

**TRAINING PROGRAMME ON THE  
STATE-OF-THE-ART  
ANALYTICAL EQUIPMENTS**

**DATE: 09-10 FEBRUARY 2017  
VENUE: PHYSICS AUDITORIUM, CEG**

**REGISTRATION FORM**

**Name:** .....

**Gender:** .....

**Designation:** .....

**Category:** .....  
(Student / Research Scholar/ Faculty /  
Industry)

**Address:** .....

.....

.....

**Mobile:** .....

**Email:** .....

(Please enclose a copy of your community  
certificate if you belong to SC/ST category)

**Signature of the participant**

(No accommodation will be provided for  
the participants)

**Forwarded by**

**HOD / DIRECTOR / PRINCIPAL**  
(Name with seal)

**TOPICS TO BE COVERED:**

**Powder and Single Crystal XRD  
Thermal methods-TGA/DTA/DSC  
Spectroscopy-UV-Vis-IR, Raman  
Z-Scan Technique  
Hall Effect Measurement  
Dielectric Measurement  
Four probe Method  
Electrochemical Workstation  
Scanning Electron Microscopy  
Transmission Electron Microscopy**

No accommodation will be provided for the  
participants. **Participants from the SC/ST  
community will be given priority in the  
selection as per the guidelines (SC 15%,  
ST 7.5% reservation).**The participants  
who belong to SC / ST categories should  
enclose an attested copy of the community  
certificate along with the registration form.

The filled-in registration form along with the  
attested photocopy of community  
certificate (if applicable) should be sent to  
the following address:

**Co-ordinator**  
**UGC-XII Plan – New Extension Activities  
and Outreach Programme**  
**Department of Physics**  
**Anna University, Chennai-600025**

Scanned copies of filled in and duly signed  
registration form along with the community  
certificate (if applicable) may also be sent  
to the following e-mail address:

**hod\_physics@annauniv.edu**

**TRAINING PROGRAMME  
ON THE  
STATE-OF-THE-ART  
ANALYTICAL EQUIPMENTS**

**Conducted by**

**DEPARTMENT OF PHYSICS  
Anna University  
Chennai – 600 025**

**09-10 February 2017**



**PATRON**

**Dr. S. Ganesan**  
Registrar, Anna University, Chennai

**ADVISORY COMMITTEE**

**Dr. P. Narayanasamy, Dean, CEG**  
**Dr. J.Kumar, Director, P & D**

**CO-ORDINATOR**

**Dr.K.Chinnakali**

**ORGANIZING SECRETARIES**

**Dr.G.Kalpana**  
**Dr.K.Murali**  
**Dr. G.Velraj**  
**Dr.K.Vishista**

#### About the University:

Anna University (AU) was established on 4th September 1978 as a unitary type of University to promote teaching and research in the field of Engineering, Technology, Architecture and Applied Sciences. True to its image as a premier technical institution in the country, AU constantly strives for excellence in education, research and societal service through highly dedicated and competent faculty members who are also expert researchers in various emerging and cutting edge technologies.

#### About the Department:

The Department of Physics was established as a full fledged, self-supporting (academically), post-graduate and research department in 1978. The Department offers M.Sc (Materials Science), M.Phil (Physics), M.Tech (Laser and Electro-optical Engineering) and Ph.D programmes. The Department of Physics has been exerting a major thrust in establishing collaboration with other leading educational, research institutions, and industries both in India and abroad. The faculty members mobilize funds towards research through sponsored projects from various funding agencies such as Government of Tamil Nadu, UGC, DST, AICTE, BRNS, DAE, CSIR, NSC, DRDO, etc. The Department is now supported by UGC-SAP and DST-FIST programmes

#### Scope of the Programme:

The knowledge of materials characterization allows researchers not only to select the best material as a function of its application in a given product, but also to overcome constraints in the design path where materials and transformation technologies become variables of the creation process. In order to create awareness in usage and knowledge of different analytical equipments and to use the techniques in the most appropriate way, a thorough knowledge of equipment usage is very much essential. In this programme due coverage will be given for characterization, testing and application of various analytical equipments.

#### Funding Agency:

UGC XII Plan Scheme – New Extension Activities and Outreach Program

#### Venue:

Physics Auditorium, Department of Physics, CEG Campus, Anna University.

#### Date:

09<sup>th</sup> and 10<sup>th</sup> February 2017

#### Last date of receiving the registration form:

30.01.2017

#### Intimation of acceptance by email:

02.02.2017

**Hospitality:** Refreshments/Lunch/snacks will be provided for all the participants.

#### Distribution of % of participants:

As per the guidelines, participants are admitted to the training programme as follows: OC 77.5 %, SC 15% and ST 7.5 %.

#### About the Programme:

The basic principles and working of different analytical instruments will be dealt with in detail. The programme aims at highlighting the scopes and limitations of the instruments whereby the candidates will be enlightened as to the aptness of the choice of the instrumentation.

**What can you expect from the short term course?**

Demonstration of different characterization techniques will be carried out. Appropriate theoretical simulation tools will be explained.

#### Who can attend?

Final year students, all research scholars at PG and Ph.D levels, faculty members who are interested in understanding the theory and application of different analytical instruments for materials science research.

#### Note:

There will be no registration fee to attend the programme.

No accommodation will be provided and participants have to make their own arrangements to stay at Chennai for attending the programme.

No TA/DA will be given.