

WHO CAN ATTEND?

Teachers, Research Scholars, Students of
M.Tech/ M. Pharmacy

REGISTRATION FEE

Registration Fee	
Teachers	Rs. 500/-
Research Scholars, Students of M. Tech /M. Pharmacy	Rs. 250 /-

Registration form can be submitted to the coordinators. Registration forms can be photocopied if required.

Registration number will be given only after receiving hard copy and registration fee.

NOTE:

- Registration is mandatory for all delegates.
- Registration fee includes lunch and Participation certificate
- Please carry the print out of the Acknowledgement with you.
- No cancellation or refunds shall be allowed.
- No transport/ accommodation

ORGANIZING COMMITTEE

Chief Patron : **Sri Jayesh Ranjan, IAS**
I/c Vice-Chancellor, JNTUH
Patron : **Dr. A. Govardhan**
Rector, JNTUH
Dr. N. Yadaiah,
Registrar, JNTUH.
Chairman : **Dr. B. Venkateswara Rao**
Director, IST, JNTUH

WORKSHOP COORDINATORS

Dr. Ch. Shilpa Chakra
Asst professor & BOS chairperson
Centre for Nano Science and Technology, IST, JNTUH

Dr. M. Sunitha Reddy
Assoc Professor & BOS chairperson
Centre for Pharmaceutical Sciences, IST, JNTUH

Venue : NEW IST BUILDING, Seminar Hall

Contact : Coordinators:
Dr. Ch. Shilpa Chakra
Asst Professor, CNST, IST, JNTUH
Dr. M. Sunitha Reddy
Assoc Professor
Centre for Pharmaceutical Sciences
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**Three Day
HANDS ON TRAINING**
on
**ANALYTICAL INSTRUMENTATION
(ZETA SIZER, UV, TG-DTA, FTIR, XRD,
PARTICLE SIZE ANALYZER)**
Granted by
TEQIP-III

3rd to 5th October 2019

Coordinators:
Dr. Ch. Shilpa Chakra
Asst prof & BOS chairperson
Centre for Nano Science and Technology, IST, JNTUH

Dr. M. Sunitha Reddy
Assoc Professor & BOS chairperson
Centre for Pharmaceutical Sciences, IST, JNTUH



Organized by



Centre for Nano Science and Technology &
Centre for Pharmaceutical Sciences
Institute of Science and Technology
Jawaharlal Nehru Technological University Hyderabad
Kukatpally, Hyderabad - 500 085
Telangana State, INDIA

About Jawaharlal Nehru Technological University:

Jawaharlal Nehru Technological University, Hyderabad was established on 2nd October, 1972 with the objective of strengthening and improving the standards of technological education. The University is located in the heart of the city at Kukatpally, Hyderabad. With its savvy environment, picturesque surrounding and academic excellence, it has been accredited with "A" grade by NAAC.

About Centre for Pharmaceutical Sciences:

The Centre for Pharmaceutical Sciences was established in 2007 at Institute of Science and Technology, JNTUH by introducing M. Pharm. Course with the specialization of Pharmaceutical Analysis and Quality Assurance. The feathers in the form of Pharmaceutics, Pharmacognosy and Pharmaceutical Chemistry have been added to the crown of M. Pharm. Course in subsequent academic years 2008 - 09, 2009 - 10 and 2014 - 15 respectively. The Centre is also organizing PG Diploma course with specialization of PG Diploma for Pharmaceutical Quality Assurance and Regulatory Affairs. The Centre is planning to introduce few more specializations at PG level in the near future. The faculty members are highly qualified, well experienced who are always engaged in teaching and research by working on the sophisticated instruments like HPLC, GC, FTIR, HPTLC, ZETASIZER and other allied equipments. Active research is going on currently in the fields of Pharmaceutical Technology, Ethno pharmacology and Pharmaceutical Analysis etc. The centre has received several grants from funding agencies viz, UDF, UGC, AICTE and DST worth of Rs. 3 crores.

About Centre for Nano Science and Technology:

Centre for Nano Science and Technology was established in 2007 at Institute of Science and Technology, JNTUH with main focus on teaching and research in the field of Nano Technology. The

Centre is uniquely placed in the universities landscape offering following PG courses: M. Sc , M.Tech, M.S Research and Ph. D in Nanotechnology. The centre is actively undertaking research work in the areas of Nano materials and composites, Energy, Electronic, Bio-medical & Environmental applications. The centre is funded by DST Nano mission, TEQIP, UDP and UGC. The major facilities available in the laboratory include standard equipment as well as custom-made testing and experimental systems developed as part of the ongoing research projects. The centre is equipped with sophisticated instruments like Cyclic Voltammeter, Solar simulators, Atomic force microscope, TG-DTA, Raman Spectroscopy, Ball mill, UV-Visible spectroscopy, mini CVD, XRD, Particle Size Analyzer, Nano materials- anti microbial activity. The graduated students of this centre are placed in government, R & D and higher education for Ph. D's and PDF's.

About the Training

The training is designed to enhance skills in various topics relating to pharmaceutical, diagnostics, natural products and other areas. The workshops are taught by professionals with extensive hands on experience.

- Zetasizer and particle size analyzer: working, analysis of size, zeta potential, PDI and software.
- UV: to determine λ_{max} , absorbance and kinetics of chemical moieties.
- TG/DTA: to determine the effect of temperature on mass and properties of the compound.
- FTIR: working on functional groups
- XRD: structural elucidation of crystalline compounds.

Three Day

HANDS ON TRAINING on ANALYTICAL INSTRUMENTATION (ZETA SIZER, UV, TG-DTA, FTIR, XRD, PARTICLE SIZE ANALYZER)

1. Name:
2. Date of Birth & Age:
3. Gender (M / F):
4. Qualifications:.....
5. Designation :
6. Department:
7. Address for Communication:
.....
.....
.....
8. College Address:
.....
.....
.....
9. Phones No:
10. E - Mail ID:

Signature of
Principal with seal

Signature of
Participant