

About the Course

The interdisciplinary course is being jointly offered by the Department of Pharmaceutical Engg. & Technology, School of Biomedical Engg. and School of Biochemical Engg. The objective of the course is to offer knowledge of advanced approaches for interdisciplinary research in the field of Pharmaceuticals, Biomedical and Biochemical engineering. Understanding of the subject will help develop the skill set for development of processes and products in the allied areas. The course content covers areas related to

- Computation and simulation in drug development and discovery
- Pharmaceutical formulations: Development, design and evaluation
- Nanotherapeutics
- Nanotechnology and its applications in healthcare, cosmetics, environment and energy
- Neuropharmacology and Toxicology
- Engineering analysis of enzymatic, cellular and metabolic level
- Intellectual Property Rights Issues
- Bio-Business Startup
- Bioinformatics approaches at gene and protein level
- Biomedical signal and image processing
- Design and fabrication of low cost diagnostic and therapeutic instruments
- Mathematical Modeling and simulation in health and Diseases
- Biomechanics

WHO CAN ATTEND?

Faculty members working in the inter-allied Pharmaceutical, Biomedical and Biochemical areas will be benefitted from this short term course work.

HOW TO APPLY?

By Email – Scanned copy of filled in application, as per the application format given in this brochure form duly endorsed by the forwarding authority to be mailed at stctapb@gmail.com with a copy to coordinator.qip@iitbhu.ac.in, Coordinator of QIP, by **July 20, 2019**.

Important Dates:

Last Date of Registration: **July 20, 2019**

Intimation of Selection: **July 22, 2019**

Course Dates: **August 4-10, 2019**

Note:

The selected participants have to send a demand draft for 2000/- drawn on any nationalized bank in favor of “**Registrar, IIT (BHU), Varanasi**” as a caution deposit towards confirmation of their participation. The caution money shall be refunded on the last day of the course only if the participant joins the course. Please send your duly filled in application form and demand draft to the course convener at the earliest.

Participation Certificate:

Certificate of participation will be issued to all the participants only after successful completion of the course.

Financial Assistance:

Limited number of, first 30, participants from AICTE approved institutions will be eligible for to and fro railway fare via the shortest route in III AC class between the place of work and Varanasi. Further they will be provided free lodging and boarding in the institute guest house/ hostels during the period of the course. Candidates attending the course in full only will be eligible for TA. For all other participants no TA will be paid by IIT (BHU) Varanasi

QIP sponsored Short term Course

on

Technological Advancements in Pharmaceuticals, Biochemical and Biomedical Research

4-10 Aug, 2019



Course Convener:

Dr. Ruchi Chawla
Department of Pharm. Engg & Tech
Dr. Abha Mishra
School of Biochemical Engg.
Dr. Shiru Sharma
School of Biomedical Engg.

Organized by

Department of Pharmaceutical Engg. & Technology
Indian Institute of Technology (BHU)
Varanasi-221005

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ABOUT THE CITY:

The holy City of Varanasi which is the oldest city on earth is also known as the city of temples and learning. Being situated on the banks of the holy river Ganges, Varanasi is a place of great historical and cultural importance. This religious capital of India is famous for temples of Lord Shiva, Buddha (at Sarnath) and Sankat Mochan etc. Varanasi is the seat of spiritual and modern learning, keeping pace with modern advanced knowledge. The city is famous for silk fabrics, perfumes, artistic brass and copper wares and a variety of handicrafts. This vibrant city with multiple dimensions of knowledge and liberation has a magnetic attraction for people all over the world.

HOW TO REACH:

The city of Varanasi is well connected by road, rail and air with all the important places of India. Regular flights are there from Varanasi to Delhi, Mumbai, Chennai, Bangalore, Kolkata, and Lucknow. The Banaras Hindu University campus is only 10 Km from Varanasi railway station, 20Km from Mughalsarai railway station and 35 Km from Lal Bahadur Shastri International Airport.

Department of Pharmaceutical Engg. & Technology was established by Late Professor M.L.Schroff (Father of Pharmacy Education in India) in 1932. Being the first Institution in the country to start the Degree level Pharmacy Education, it offers 4-year B.Tech (Pharmacy), 5-year Integrated Dual Degree (B Tech & M Tech) in Pharmacy alongwith M.Pharm and PhD Programme. The Department has Faculty members with expertise in Drug discovery and Formulation Development for synthetic and herbal drugs, Computational chemistry, Novel drug delivery system, Nanotechnology, Neuropharmacology and Toxicology.

School of Biochemical Engineering has been functioning since 1986-87. It was established keeping in view the need for interdisciplinary research and facilities in the field of modern Bioengineering. The Department offers 5 year Integrated Dual Degree (B. Tech. & M. Tech.), M. Tech. and PhD programme. The dynamic faculty members are involved in research in the area of Bioprocess and Reactor Engineering, Enzyme and Tissue Engineering, Genetic and Protein Engineering, Bioinformatics and Food Engineering.

School of Biomedical Engineering was established by the UGC, India during the 5th Five Year Plan in the year 1978. The school is involved in Teaching and Research in collaboration with Institute of Medical Sciences (BHU), and with other Departments of IIT(BHU). The School runs the Integrated Dual Degree (IDD) program that offers B. Tech in Bioengineering and M. Tech in Biomedical Technology, besides there is also a two year M. Tech program in Biomedical Engineering. The research credentials of Faculty Members are in the field of Electrophysiological signal analysis, Biomaterials, Medical image processing, Neurophysiology, Modelling of Biological system, Biomechanics, Biophysics, Biochemistry, Artificial Intelligence and Bioinstrumentation.

**Website: www.iitbhu.ac.in
Application for registration in
Technological Advancements in Pharmaceuticals,
Biochemical and Biomedical Research 4-10 Aug, 2019
[Registration form]**

1. Name:.....
2. a) Age:B) Gender (M/F):.....
3. Designation & pay scale.....
4. Organisation.....
5. Address for correspondence:.....
.....
.....E-mail:.....Phone/Mobile.....
6. Highest Academic Qualification.....
7. Specialisation :.....
8. Experience (in years) a) Teaching: b) Industrial.
9. Amount of T.A. required as per entitlement mentioned in the brochure (only for AICTE approved college teachers):

Please register me for the course on Technological Advancements in Pharmaceuticals, Biochemical and Biomedical Research to be held at Department of Pharmaceutical Engg. and Technology, IIT (BHU) Varanasi.

Date.....
Place

Signature of the Applicant

SPONSORSHIP

Prof./Dr./Mr./Ms./Mrs./..... is an employee of our institute and his/her application is hereby sponsored. The applicant will be permitted to attend the STC "Technological Advancements in Pharmaceuticals, Biochemical and Biomedical Research" at Department of Pharmaceutical Engg. And Technology, IIT(BHU) Varanasi, if selected.

Date: **Signature of Sponsoring Authority**

Designation: **Official Seal:**

DD No.Date:.....

Bank:.....Amount:.....