

## How to apply?

Send the scanned copy of the duly filled Registration Form and Demand Draft to [qipneurotech2019@gmail.com](mailto:qipneurotech2019@gmail.com) and copy to [coordinator.qip@iitbhu.ac.in](mailto:coordinator.qip@iitbhu.ac.in) before the deadline.

**Note:** The applicants have to send a demand draft of Rs. 2000/- drawn on any nationalized bank in favor of “Registrar, IIT (BHU), Varanasi” through post to Course Convener 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.

## Participation Certificate

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

## Financial Assistance

Limited number (30) of faculty member from AICTE approved engineering 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 or hostel during the period of the course.

## Important Dates

**Last Date to Apply : Saturday, 16 Nov 2019**

Intimation of Selection: Monday, 18 Nov 2019

## Course Conveners

- Prof. Prasun Kumar Roy,  
School of Biomedical Engineering, IIT(BHU).
- Prof. Neeraj Sharma,  
School of Biomedical Engineering, IIT(BHU).
- Dr. Gyan Prakash Modi,  
Dept. of Pharmaceutical Engg. & Technology, IIT(BHU).

## Registration Form

Name: \_\_\_\_\_

Designation and Pay Scale: \_\_\_\_\_

Organization: \_\_\_\_\_

Postal Address: \_\_\_\_\_

E-mail: \_\_\_\_\_

Mobile No: \_\_\_\_\_

Highest Academic Qualification: \_\_\_\_\_

Specialization: \_\_\_\_\_

Accommodation Require (Yes/No): \_\_\_\_\_

Amount of TA Required (Only for AICTE approved college teachers): \_\_\_\_\_

**Please register me for the course on “Advances in Neurotechnology: Computational Neuroscience, Brain-imaging and Neuroinformatics” to be held at IIT (BHU) Varanasi during 25 to 29 Nov 2019.**

DD No: \_\_\_\_\_ Bank: \_\_\_\_\_ Amount: \_\_\_\_\_

Signature of the Applicant      Date: \_\_\_\_\_

## Sponsorship:

\_\_\_\_\_ is an employee / research scholar of our Institute and his/her application is hereby sponsored. The applicant will be permitted to attend the STC “Advances in Neurotechnology: Computational Neuroscience, Brain-imaging and Neuroinformatics” at IIT (BHU) Varanasi during 25 to 29 Nov 2019, if selected.

Signature of Authority (with Date, Seal and Designation)

## AICTE Sponsored Short term course on



## Advances in Neurotechnology:

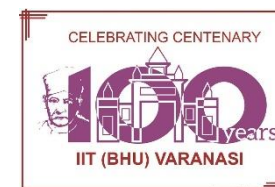
**Computational Neuroscience,**

**Brain-imaging**

**&**

**Neuro-Informatics**

**25 to 29 November 2019**



**Organized by:**

**School of Biomedical Engineering  
and**

**Department of Pharmaceutical Engineering and  
Technology**

**INDIAN INSTITUTE OF TECHNOLOGY (BHU),  
VARANASI.**

## About IIT (BHU)

IIT (BHU) is a public engineering institute founded in 1919 as an integral part of Banaras Hindu University. IIT (BHU) is an educational institute and has residential facilities within the BHU campus spread over nearly 1,300 acres at the southern end of Varanasi on the banks of the River Ganges.

## About School of Biomedical Engineering

The UGC established the School of Biomedical Engineering (SBME) during the 5th Five Year Plan in the year 1978. The SBME is involved in Teaching and Research in collaboration with the Institute of Medical Sciences (BHU) and with other Departments of IIT(BHU). The School offers the Integrated Dual Degree (IDD) program, Master of Technology (M.Tech.) and Ph.D. programs. The research credentials of the School are diverse and interdisciplinary to integrate all the thematic of the field in one shared pool and thereby achieve progress in unison.



## About Department of Pharmaceutical Engineering and Technology

The Department of Pharmaceutical Engineering and Technology came into existence in 1934 under the leadership of Professor Mahadev Lal Schroff, the first Head of the erstwhile Department of Pharmaceutics. Over the last eighty-eight years, the department has been continuously imparting quality education to produce pharmaceutical professionals

befitting to the requirements of industry and society and thus contributing to the growth and expansion of pharmaceutical education and research across the country. The department has been actively engaged in the frontier research areas of drug discovery and development.



## About Varanasi

The timeless city Varanasi, one of the oldest living cities on earth is also known as the city of temples, lights and learning. Being situated on the banks of the iconic river Ganges, Varanasi is a place of great historical and cultural importance.

Lord Buddha gave his first set of sermons at Sarnath, located in the outskirts of Varanasi, nearly 2500 years ago. This spiritual 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 copperware and a variety of handicraft. This vibrant city with multiple dimensions of knowledge and liberation has a magnetic attraction for people all over the world. To be in Varanasi is an experience in itself. The majestic ghats on the banks of Ganga, Subh-e-banaras, visit to famous temples and evening Ganga Aarti are some of the special attraction

## About the Course

Neurotechnological tools are of critical need in today's investigations in the fields of Computer science, Electronics technology, Biomedical engineering and Pharmaceutical studies. The techniques of computational neuroscience, Brain-imaging and Neuro-Informatics are useful steps for understanding brain circuitry, cognitive processing and mental operations, as well as for diagnosis and treatment for brain disorders and mental dysfunction.

The course intends to provide a consolidated comprehension of the various approaches and tools available for the teachers and researchers. The course will also be pertinent to the fields of Brain Machine Interface, Rehabilitation Engineering and Neuropharmaceutical R&D.

The tentative topics to be covered during the course encompasses:

- Neuronal Information Processing,
- Magnetic Resonance Imaging (MRI).
- Positron Emission Tomography.
- Pharmacoinformatics
- Electroencephalography (EEG)
- Neurocomputation
- Drug Development for Neuroscience

This course is being held in cooperation with IIT(BHU)-Varanasi's Centre for QIP Short Term Courses which organizes programs for faculties of AICTE approved institutions from all over India. The School of Biomedical Engineering and Dept. of Pharmaceutical Engineering and Technology activity organizes such programs to promote interdisciplinary learning.