AICTE Training and Learning (ATAL) Academy

SPONSORED

5 DAYS FACULTY DEVELOPEMENT PROGRAM

ON

Exploring Pharmacokinetics with Artificial Intelligence and Quantum Computing

2nd – 6th November, 2020

Organized by

BHARATI VIDYAPEETH COLLEGE OF PHARMACY, KOLHAPUR

Vision:

Evolve as an Aspirational Learning Institute

for Grooming Youth

to be Competent and Society Caring

Pharmacy Professionals

Mr. V. T. Pawar	Dr. M. S. Bhatia	Dr. H. N. More
Co Co-ordinator	Chief Co-ordinator	Principal

Bharati Vidyapeeth College of Pharmacy, Kolhapur was established in the year 1996 with a vision to impart quality education and training at par with international standards. It is an institution where discipline is principle, performance is habit and success is a journey.

➢ Conducts B.Pharm., M.Pharm. (Pharm. Chemistry, Pharmaceutics and Pharm. Quality Assurance) and Ph.D. courses.

➢ B. Pharmacy course is re-accredited by NBA for three years (2019-2022).

➢ Ranked 54th in India by NIRF (2019), Ministry of Human Resource Development, Government of India.

➢ Consecutively four times the institute has been in NIRF ranking.

➢ Lead College of Shivaji University, Kolhapur with permanent affiliation and inclusion in UGC 2(f) & 12(B).

➢ Approved centre for postgraduate and doctoral research.

➢ Common facility center and Laboratories equipped with major equipments worth about Rs. 3 crore.

➢ Rich and updated library with e-library (books worth Rs. 81 Lakhs).

➢ Registered college alumni contributing to develop pharmacy profession.

CONTACT DETAILS

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Co-Coordinator		+91-9421208128

"Social transformation through dynamic education..."

Program details:

Transforming drug development process to make it commercially viable is the need of the hour and modern computing can make this possible. Artificial intelligence (AI) and quantum computing (QC) tools would significantly help this transformation and the onus of spreading awareness about the same lies on the teaching community as well.

Pharmacokinetics has been a critical component of drug development research and often the bottleneck in the process. By reducing human interface in the exploration of pharmacokinetics of drug products, time and expenses incurred on the process can be minimized. AI and QC tools form the core of such processes and pharma professionals have a lot to share in the development of these virtual simulations and interactions for machine based pharmacokinetic investigations.

Proposed faculty development program will cater to the interdisciplinary needs of both the pharma and technical professionals who wish to indulge in acquiring knowledge and skill sets for utilizing modern computing tools to study pharmacokinetics, drug design and development.

FDP Committees:
1. **Coordination Committee:**
   ➢ Dr. Mrs. N. M. Bhatia
   ➢ Mr. D. V. Mahuli
2. **Technical Support Team:**
   ➢ Mr. U. S. Patil
   ➢ Dr. P. B. Choudhari
   ➢ Mr. K. N. Harale
3. **Registration:**
   ➢ Mr. D. P. Mali

Detailed Program Schedule

Date	Time	Name of Speaker	Topics
02/11/2020	09.30 am - 11.00 am	**Combined inauguration by AICTE ATAL Academy**	
	11.00 am - 12.30 pm	**Dr. Prashant Murumkar**	Demystifying the role of Artificial Intelligence in Drug Discovery
	12.00 pm - 01.30 pm	**Dr. Kundan Ingale**	Predicting Drug Pharmacokinetics: Application in Modern Day Drug Discovery
	03.00 pm - 04.30 pm	**Dr. Bhausaheb Patil** **Dr. Pooja Jain**	Applications of Artificial Intelligence and Machine Learning in Clinical Research
03/11/2020	10.00 am - 11.30 am	**Dr. Santosh Patil** **Dr. Subarna Roy**	Machine Learning introduction and classification
	11.30 am - 1.00 pm	**Dr. Ajay Pillai**	Herbal Informatics in Drug Development
	02.00 pm - 03.30 pm	**Dr. Ganesh V.**	Structure Property Relationship Analysis
04/11/2020	10.00 am - 11.30 am	**Dr. Sami Mukhophdhdyaya**	Artificial Intelligence in Drug Research
	11.30 am - 01.00 pm	**Dr. Anil Deshpande**	Freewares for Drug Development and Analysis
	02.00 pm - 03.30 pm	**Dr. Raghuvir R. Pissurlenkar**	Fundamental Aspects of Bioinformatics and Structural Biology and its Applications
05/11/2020	10.00 am - 11.30 am	**Mr. Sachin Jagtap**	Optimization of Pharmacokinetic Properties in Preclinical Discovery
	11.30 am - 01.00 pm	**Dr. Subhash Ajmani** **Dr. Vinod Gaikwad**	Artificial Intelligence and Pharmacokinetics: Enhancing Perfection
	02.00 pm - 03.30 pm	**Dr. Prafulla Choudhari**	Music Therapy for Stress Relieving
06/11/2020	10.00 am - 11.30 am	**Dr. Manish Bhatia**	Data Science Enabled Pharmacometrics
	11.30 am - 01.00 pm	**Dr. Vandana Patravale**	Computational Pharmaceutics: Role in Drug Targeting
	01.00 pm - 01.30 pm	**Valedictory Program**	
	02.30 pm - 04.00 pm	**Feedback and Assessment**	

Targeted participants: Faculties of various pharmacy and engineering institutes, industry personnel, research scholars and post graduate students.

ONLINE FACULTY DEVELOPEMENT PROGRAM ON
"Exploring Pharmacokinetics with Artificial Intelligence and Quantum Computing"
2nd - 6th November, 2020

REGISTRATION LINK:
Participants should register themselves using the following link.

➢ https://www.aicte-india.org/atal

Confirm approval of participation on ATAL portal

Guidelines for Participants:

➢ Registration is open to faculty members of AICTE approved institutions, research scholars, PG scholars and Industry participants.
➢ FDP will be conducted in Online mode.
➢ Registered Participants of FDP should have the provision of laptop or desktop or smart phone with good quality internet connection and other audio visual facilities.
➢ Course registration is free for all participants.
➢ On completion of the program an objective/quiz/mini-project based assessment of all participants will be conducted.
➢ **Digital certificate** by the ATAL Academy will be issued only to those participants who have-

1. been **approved** on ATAL portal,
2. attendance of **80%** or more,
3. assessment score of **60%** or more,
4. filled the **feedback** form