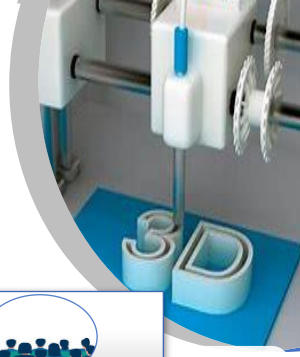
The Indian Pharmaceutical Association
Maharashtra State Branch's

BOMBAY COLLEGE OF PHARMACY

An Autonomous Institute Affiliated to University of Mumbai

Recognized by UGC, PCI and DTE; Department of Scientific and Industrial Research (DSIR) as a Scientific and Industrial Organization; NBA accredited B. Pharm Program.



Two Day Hands-on Workshop On 3D Printing Technology

20th and 21st October 2023

Organized by

Department of Pharmaceutics, under the aegis of IQAC Cell, Bombay College of Pharmacy

In association with

Knowledge Partner

ThInCr
Technologies India Pvt Ltd
Think innovate Create

Publicity Partner

Pharma Literati

Bombay College of Pharmacy
Kalina, Santacruz (E),
Mumbai 400 098. India

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- Prof. Mala Menon
  Adjunct Professor

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- Dr. Hemali Savla
- Mr. Bhushan Bhale

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Who should attend?

- **Undergraduate, Post-graduate** students and **Ph.D. Scholars**
- **Researchers** from **Academia** and **Industry** working in multidisciplinary fields including Pharmaceutical Sciences, Biomedical Engineering, Biotechnology, Life Sciences and Medical Sciences

Registration Fees

	Early Bird Registration (Up to 10th Oct 2023) INR	Spot Registration INR
Faculty	1200	1500
Student	800	1000
Industry	2000	2500
		*(Inclusive of 18% GST)

Mode of payment: Online

Name of the Accounts :- THE IPAMSB's Bombay College of Pharmacy Autonomous
Bank Name :- Canara Bank
Branch Name :- Kalina
Account No. 0116101079370
IFSC Code :- CNRB0000116

*In case of cancellation, no refund will be provided.

REGISTER NOW

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OR

Note:

- Registration will be confirmed only after receipt of registration fees.
- Attendance is compulsory.
- Participants will be awarded a certificate upon successful completion of the workshop

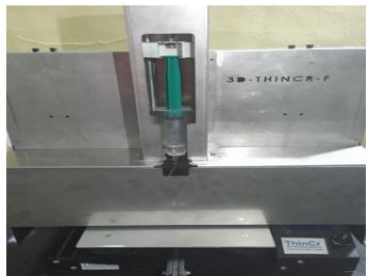
ABOUT INSTITUTE AND DEPARTMENT OF PHARMACEUTICS

Bombay College of Pharmacy (BCP) is a pioneer institution in Pharmaceutical education in India. BCP was founded in 1957 by the Indian Pharmaceutical Association- Maharashtra State Branch (IPA-MSB). The institute offers Bachelors, Masters and Doctoral programs of study in Pharmaceutical Sciences. BCP has a DST-sponsored National Facility for Research and training that is equipped with various sophisticated instruments for characterization of pharmaceuticals and other products. The Department of Pharmaceutics is engaged in highly collaborative and collegial environment for empowering the students with knowledge and skills for outstanding careers in pharmaceutical industry, academia, regulatory agencies, and research institutions. Faculty of the Pharmaceutics Department are involved in cutting-edge, multidisciplinary and translational research in advanced drug delivery system. The department of pharmaceutics is well-equipped to take-up research projects in drug delivery, nutraceuticals and cosmeceuticals.

ABOUT THINCR TECHNOLOGIES INDIA PVT LTD

ThInCR technologies is among one of the very early players in India involved in the 3D printed pharmaceuticals development. ThInCR aims at bridging the gap between the ideation and development of commercial scale 3D printed pharmaceuticals by providing product centric approach to build high quality cost-effective 3D printers and handholding from ideation stage to scalable production.

3D-ThInCr solid dosage form



3D-ThInCr Oral film Printer

About the 3D Printing

The foundation for development of 3D printing technology was rapid prototyping. Prototyping helps in development of products ensuring best outputs of final product.

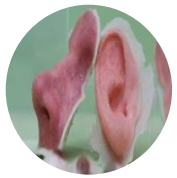
3D printing is also known as additive manufacturing. It is a method for creation of three-dimensional solid objects using digital file. The object is created by deposition of successive layers of material

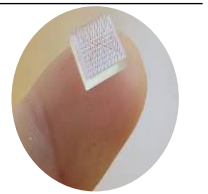
Advantages Of 3D Printing

- Design flexibility
- Faster rate of prototype development
- Durable and lightweight parts
- Minimization of the waste
- Cost effectivity
- Versatile applications

Applications Of 3D Printing

- Personalization of medicine
- Biomedical implants
- 3D organ microchips
- Prosthetics
- Dosage form designing





Workshop Schedule

DAY 1

Morning Session

- Introduction to 3D printing in Pharmaceuticals
- Advantages over conventional method
- Major companies using 3D technology

Afternoon session

- Demonstration of 3D printer

DAY 2

- Hands on training

Workshop Take-aways

- CAD designing slicing software
- Training on industrial grade 3D printers
- Introduction and details on different types of 3D printers
- Expert's sessions on novel 3D designs and applications
- Knowledge on operation of 3D printing machine
- Hands-on skills on formulation development using 3D printing