



# Laureate Institute of Pharmacy

(Approved by PCI & AICTE, New Delhi and H.P. Govt.)  
Affiliated to H.P. University, Shimla

Kathog, Tehsil Dehra, Distt. Kangra (H.P.)-177 101

Ref. No. LIPH/estt/PC&T/106

Date 25/01/2019

## Notice

All the students of B. Pharm Sem VI, VIII & M. Pharm are hereby informed that the Training and Placement Cell has organised An Guest Lecture on "QbD in the Development of Analytical Methods" by Mr. Kunal Goyal from Fresenius Kabi, Gurugram on 28 January 2019.

All should take a note of it.

Prof. (Dr.) M.S. Ashawat

Director cum Principal

DIRECTOR CUM PRINCIPAL  
LAUREATE INSTITUTE  
OF PHARMACY, KATHOG  
TEHSIL JAWALAKHAI  
DISTT. KANGRA (H.P.)





# Laureate Institute of Pharmacy

(Approved by PCI & MCTE, New Delhi and H.P. Govt.)  
Affiliated to Himachal Pradesh Technical University, Hamirpur  
V.P.O Kathog, Tehsil Jawalamukhi, Distt. Kangra, H.P. Pin Code 176031

Ref. No. \_\_\_\_\_

Date \_\_\_\_\_

Date: 28 January 2019

## "QbD in the Development of Analytical Methods"

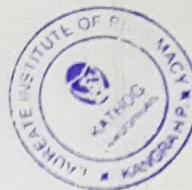
Guest lecture series on the topic "QbD in the Development of Analytical Methods" was organised to enhance and upgrade the knowledge of students and faculty members. Mr. Kunal Goyal gave the first guest lecture on the topic "QbD in Analytical Method Development" on January 28, 2019 for students in M.Pharm Sem II & IV, B.Pharm Sem VI & VIII, and faculty members. Mr. Kunal Goyal is currently employed at Fresenius Kabi Gurgaon as a Senior Research Scientist<sup>1</sup>. He has given numerous talks on analytical method development, the concept of QbD and DoE, and the standardisation of herbal drugs. Dr. MS Ashawat, Principal, Laureate Institute of Pharmacy, greeted Mr. Kunal Goyal.

Mr. Kunal began his presentation by explaining the basics of QbD and the ICH Q14 guideline. He explained that the ICH is considering a guideline on analytical method development for the first time. He went over the different stages of the product development cycle and stated that analytical methods should be based on a life cycle approach. He talked about the importance of analytical methods at various stages of product development, as well as the challenges that come with developing them. He discussed the various steps in Analytical Quality by Design, the significance of risk identification, and the analytical target profile. He described design expert software and demonstrated how the QbD concept can be used in the development of analytical methods and the identification of critical parameters.





The session was highly interactive, with faculty and students asking a variety of questions about the development of analytical methods. Finally, Professor and Academic Dean Dr. Vinay Pandit proposed a vote of thanks.



Placement Cell Incharge

Shammy Jindal

A handwritten signature in black ink, appearing to be "Shammy Jindal", written over the printed name.

A handwritten signature in green ink, appearing to be "M.S. Ashawat", written over the printed name.

Prof. (Dr.) M.S. Ashawat



Director cum Principal

Principal  
Pharmacy  
Laureate Institute  
Kathog, Teh. Jawalamulshi  
Distt. Kangra (H.P.)





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28/01/2019

QbD



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# Laureate Institute of Pharmacy

Kathog (Jawalaji), Teh.Dehra, Distt. Kangra (H.P.)

B. Pharm. Final Year, 2018-19

Roll. No.	Name	Sign.
BP5012611	Abhinash Saini	Abhinash Saini
BP5012612	Aayush Gupta	Aayush Gupta
BP5012613	Abhinay	Abhinay
BP5012614	Abhishek Sharma	Abhishek Sharma
BP5012615	Abhishek Sharma	Abhishek Sharma
BP5012616	Abhishek Sharma	Abhishek Sharma
BP5012617	Adarsh	Adarsh
BP5012618	Aditi Sharma	Aditi Sharma
BP5012619	Aditi Thakur	Aditi Thakur
BP5012620	Ajay Malhotra	Ajay Malhotra
BP5012621	Akshima Sharma	Akshima
BP5012622	Aman Guleria	Aman Guleria
BP5012623	Aman Kumar	Aman Kumar
BP5012624	Aman Kumar	Aman Kumar
BP5012625	Amandeep Singh	Amandeep Singh
BP5012626	Amit Kumar	Amit Kumar
BP5012627	Ankita	Ankita
BP5012628	Ankita Sharma	Ankita Sharma
BP5012629	Ankush	Ankush
BP5012630	Anshul Sharma	Anshul Sharma
BP5012631	Anuj Kumar	Anuj Kumar
BP5012632	Anuj Suman	Anuj Suman
BP5012633	Anuradha Thakur	Anuradha Thakur
BP5012634	Ashna Sharma	Ashna Sharma
BP5012635	Bharti	Bharti
BP5012636	Deeksha Kumari	Deeksha Kumari
BP5012638	Dheeraj Kumar	Dheeraj Kumar
BP5012639	Dipanshi Gour	Dipanshi Gour
BP5012640	Gaurav Kumar	Gaurav Kumar
BP5012641	Indu Bala	Indu Bala
BP5012642	Ishesh Dhiman	Ishesh Dhiman
BP5012643	Jyoti	Jyoti
BP5012644	Jyotika Pathania	Jyotika Pathania
BP5012645	Madhu Bala	Madhu Bala
BP5012646	Manjeet Kumar	Manjeet Kumar
BP5012647	Manjeet Singh	Manjeet Singh
BP5012648	Mohita Thakur	Mohita Thakur
BP5012649	Neetu Kushwaha	Neetu Kushwaha
BP5012650	Neha Sharma	Neha Sharma
BP5012651	Nidhi	Nidhi
BP5012652	Nittish Bhardwaj	Nittish Bhardwaj

Principal  
DIRECTOR/CUM PRINCIPAL  
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BP5012653	Palak	Palak
BP5012654	Pankaj Kumar	Pankaj
BP5012655	Parul Thakur	Parul
BP5012656	Poonam Thakur	Poonam
BP5012657	Rajeev Kumar	Rajeev
BP5012658	Rajesh Kumar	Rajesh
BP5012659	Rana Vishal Singh	Vishal
BP5012660	Ridhi Dutta	Ridhi
BP5012661	Rishav Saini	Rishav
BP5012662	Riya Thakur	Riya
BP5012663	Robin Sharma	Robin
BP5012665	Sagar Chaudhary	Sagar
BP5012666	Sahil	Sahil
BP5012667	Sahil Sharma	Sahil
BP5012668	Sakshi Devi	Sakshi
BP5012669	Sakshi Thakur	Sakshi Thakur
BP5012670	Shakti Singh	Shakti
BP5012671	Shiva	Shiva
BP5012672	Shivani Sharma	Shivani
BP5012673	Subham	Subham
BP5012674	Shubham Kaundal	Shubham
BP5012676	Shubham Sharma	Shubham
BP5012677	Suraj	Suraj
BP5012678	Sushant Sharma	Sushant
BP5012679	Varun Kumar	Varun
BP5012680	Vashist	Vashist
BP5012681	Ankush Prashar	Ankush
BP5012682	Ashish Kumar	Ashish
BP5012683	Ashish Kumar	Ashish
BP5012684	Himani Dhiman	Himani
BP5012685	Kajal	Kajal
BP5012686	Kanchan Bhatti	Kanchan
BP5012687	Manish Dadwal	Manish
BP5012688	Mukesh Thakur	Mukesh
BP5012690	Ritesh Rana	Ritesh Rana
BP5012691	Sarika Dhiman	Sarika
BP5012692	Vikarant Kaundal	Vikarant

*[Signature]*

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M.Pharmacy students list

S.NO	Names	Sign
1	Samridhi Bugwan	
2	Surbhi Datta	<i>Surbhi</i>
3	Anurag Kumar	<i>Anurag</i>
4	Avichal Kumar	<i>Avichal</i>
6	Avantika Dhadwal	<i>Avantika</i>
7	Anchal Guleria	<i>Anchal Guleria</i>
8	Pratibha Chaudhary	<i>Pratibha</i>
9	Shashi Bala	<i>Shashi</i>
10	Amit Chaudhary	<i>Amit</i>
11	Nitin	<i>Nitin</i>
12	Aman Kumar	<i>Aman</i>

*[Signature]*

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