



Ref. No.

Date 24/09/2022

**Report on One Day Workshop on
Hands on Training on Double Beam UV Visible Spectrophotometer
UV-1900i
(Handling, Troubleshooting & Maintenance)**

Name of Resource Person: Ravinder Kumar

Designation: Sr. Service executive

Name of Company: Toshvin, Authorized dealer of Shimadzu UV & FT-IR in India

Date of Program: 22 Sep 2022


Venue: Conference Hall, Laureate Institute of Pharmacy-HP

Laureate Sophisticated Instrumental facilities (LSIF), Department of PA &QA, LIPH

Time: 12:30-1:30PM

The function started with lamp lighting ceremony and Saraswathi Vandana. **Prof.(Dr.) Mahendra Singh Ashawat**, Professor cum Director, Laureate Institute of Pharmacy and Convener of Institution's Innovation Council welcomed the resource person, Mr. **Ravinder, Sr. service executive**, Toshvin India, Chandigarh Unit by presenting the bouquet.

In his welcome speech, **Prof. Mahendra Singh Ashawat** welcomed the participants at Laureate Institute of Pharmacy, Kathog, HP. He highlighted the importance of Sophisticated Analytical instruments in assuring the quality and safety and efficacy of drug molecule and new drug development. He further added institute possesses most of the analytical instruments like RP-HPLC, Brookfield Viscometer, FT-IR and Shimadzu double beam UV 1900i. He mentioned that institute encourages the budding research scholars and students to get acquainted with the knowledge of instrument handlings and organize such workshop frequently.


Prof. (Dr.) M. S. Ashawat
DIRECTOR CUM PRINCIPAL
LAUREATE INSTITUTE OF
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DIST. KANGRA (H.P.)





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Prof. (Dr.) Amar Deep Ankalgi, Professor and Head, Pharmaceutical Analysis and Quality Assurance Cum Pharmaceutical Chemistry , Laureate Institute of Pharmacy and NISP co-ordinator informed that **participants** registered for the workshop and wished the workshop will be knowledge bearing session for the participants.

Mr. Ravinder, resource person, covered the brief introduction to analytical instruments and basic principle , working and handling of the Double beam UV Visible Spectrophotometer in lecture session at conference hall.


During the practical demo at Sophisticated Instrumental Facilities(SIF) at department of Pharmaceutical Analysis and Quality Assurance. He explained the overall hardware and software component of Shimadzu UV1900i. He demonstrated the use of the instrument both by using instrument display unit and PC control system. He showed the techniques of validation of the instrument. He runned the M. Pharmacy scholar sample in the instrument and showed how to plot overlay spectra and calibration plot .

There was interactive session in which Mr. Ravinder addressed the queries of participants regarding UV instruments.

Mr. Shiv Kushawaha, Associate Professor and Head , Pharmacology, IIC member and Mr. Dev Raj, Assistant Professor ,Pharmaceutics, Media head, IIC jointly distributed the certificate to the participants.

Dr. Mahendra Singh Ashawat ,Director Cum Principal , IIC convener, presented the memento and certificate to eminent resource person, Mr. Ravinder, Shimadzu, India

Dr. Pravin Kumar, HOD ,Pharmaceutics and Start UP Activity Coordinator, IIC delivered vote of thanks to the resource Mr. Ravinder for providing his valuable time to conduct the analytical workshops and also thanked all IIC representatives, faculty , staffs and participants for enthusiastically attending the event


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Power Point Presentation:



Workshop on

Hands on Training on Double Beam UV Visible Spectrophotometer

UV-1900i

(Handling, Troubleshooting & Maintenance)

On 22 Sep 2022

Time: 12:30-1:30PM

Presented by: Ravinder Kumar

Sr. Service executive , Toshvin
Authorized Dealer of Shimadzu , India

Organized by:

Institution's Innovation Council, Laureate Institute of Pharmacy –HP

(IC202216219, Estb. 28 June 22)

Ultraviolet light is arbitrarily broken down into three bands, according to its anecdotal effects.

Anecdotal based on reports or things someone saw rather than on proven facts:

UV-A is the least harmful and most commonly found type of UV light, because it has the least energy. UV-A light is often called black light.

UV-B is typically the most destructive form of UV light, because it has enough energy to damage biological tissues, yet not quite enough to be completely absorbed by the atmosphere. UV-B is known to cause skin cancer. Since most of the extraterrestrial UV-B light is blocked by the atmosphere, a small change in the ozone layer could dramatically increase the danger of skin cancer.

Short wavelength UV-C is almost completely absorbed in air within a few hundred meters. When UV-C photons collide with oxygen atoms, the energy exchange causes the formation of ozone. UV-C is almost never observed in nature, since it is almost completely absorbed.

Germicidal UV-C lamps are often used to purify air and water, because of their ability to kill bacteria.

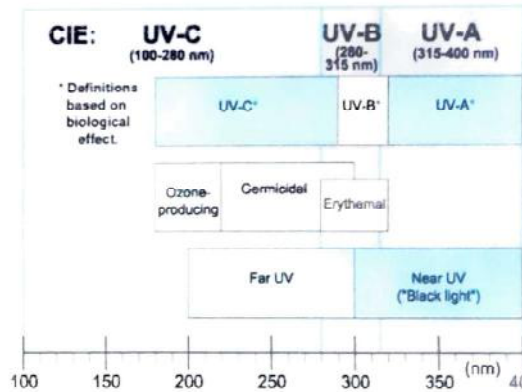


Fig. 1.2 Common ultraviolet band designations.

Glimpses of the event:

Prof. (Dr.) M. S. Ashawat
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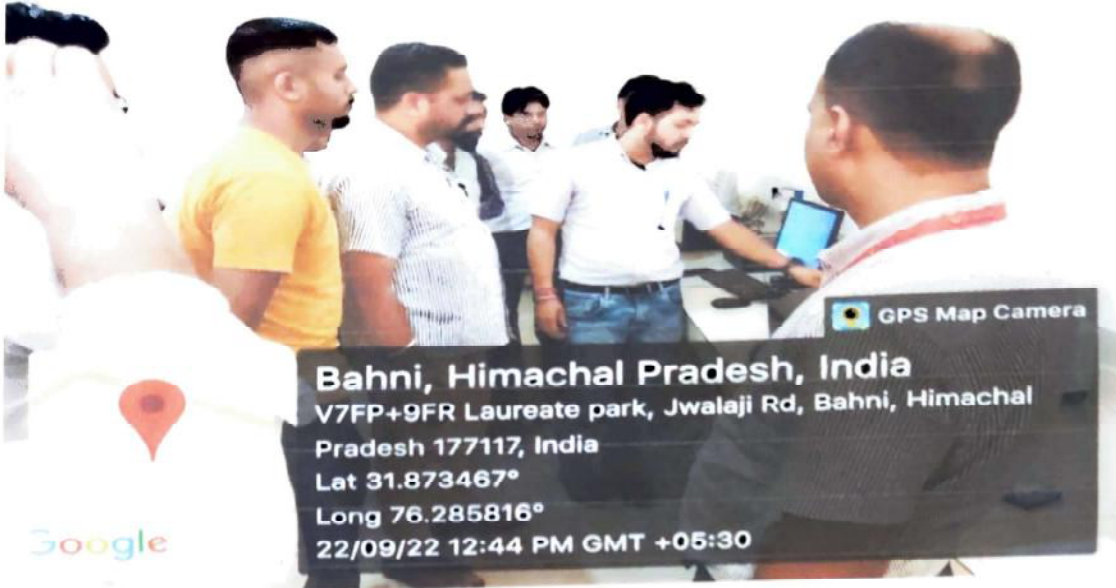
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Attendance sheet

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Sr. No.	Name of Participant	Designation	Semester/Class Dept.	Signature
1	Mr. Rajkumar	Lab Technician	Pharmaceutics (store Incharge)	
2	Mr. Rakesh	Lab Technician	Pharmacology	
3	Mr. Kamal Kumar	Lab Assistant	Pharmaceutical chemistry	
4	Mr. Rajeev Kaundal	Lab Assistant	Pharmaceutical chemistry	
5	Mr. Rishi Sharma	Lab Assistant	Pharmaceutics	
6	Mr. Ashwani Ohiman	Lab Technician	Pharmaceutics	
7	Mrs. Monika Devi	Lab Assistant	Pharmacology	
8	Ms. Shivani	Lab Assistant	Pharmaceutical chemistry	
7	Mr. Rohit	Lab Assistant	Computer	
8	Mr. Raghu	Lab Assistant	Computer	
9	Ms. Kashmira Devi	Lab Attendant	Pharmaceutics	
10	Mrs. Saroj	Librarian Assistant	-	
11	Mr. Rohit	Librarian	-	
12	Mr. Umang	Lab Technician	Pharmaceutics	

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