

**Report**  
**on**  
**Hands on Scientific Software Training Programme**

This is hereby reported that a five days-long ‘**Hands on Scientific Software Training Programme**’ was organized by Shyam Lal College, University of Delhi during 22<sup>nd</sup> - 26<sup>th</sup> February 2021 under the aegis of DBT Star College Scheme in collaboration with IQAC (**Annexure 1**). A total of 30 students of the college participated from various disciplines of undergraduate courses including B.Sc. Chemistry (H), B.Sc. Physical Sciences and B.Sc. Mathematics (H). The participants were given hands on training on different scientific softwares which are an integral part of scientific research such as ChemDraw, Mathematica, HyperChem and Origin. With the help of these softwares, the students can now be able to draw molecular structures and reaction schemes, plot and analyse scientific data obtained via various analytical instruments, perform molecular modelling, simulation and can also do mathematical computations using programming language. Hence, it is believed that the software training workshop would have unquestionably helped the students in the development of their technical skills and made them stand apart from the rest. To evaluate the success of the event, a Google Form was circulated amongst the participants, where an overwhelming response was observed. 100% of the participants found the workshop to be very useful and stated that the ideas and the concepts the faculty members presented were very clear to everyone and all of them would like to attend such events in the near future as well (**Annexure 2**). The organizers are very thankful to Prof. Rabi Narayan Kar (Principal, SLC) and Dr. Kusha Tiwari (Coordinator IQAC) for their support and guidance throughout the workshop.

Glimpses of the workshop are attached herewith as **Annexure 3**.

Attendance is attached as **Annexure 4**.

## Annexure 1



**SLC (University of Delhi)**  
**SHYAM LAL COLLEGE**  
*under the aegis of DBT Star College Scheme  
in collaboration with IQAC  
organizes*

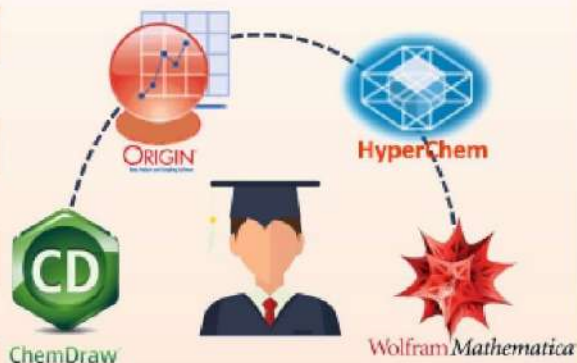


Department of  
BioTechnology,  
Government  
of India

# Hands on Scientific Software Training Programme

DATE	DAY	SOFTWARE
22 <sup>nd</sup> Feb '21	Monday	ChemDraw
23 <sup>rd</sup> Feb '21	Tuesday	ChemDraw
24 <sup>th</sup> Feb '21	Wednesday	Mathematica
25 <sup>th</sup> Feb '21	Thursday	HyperChem
26 <sup>th</sup> Feb '21	Friday	Origin

Timings: 02:00-04:00 pm  
Venue: Computer Lab, SLC



**Limited seats for 25 students only!**

Please email your names to  
[ashugupta@shyamlal.du.ac.in](mailto:ashugupta@shyamlal.du.ac.in)

**E-certificates  
will be given!**

**Dr. Ashu Gupta**  
Overall Coordinator DBT,  
Department of Chemistry

**Dr. Kusha Tiwari**  
Coordinator IQAC

**Prof. Rabi Narayan Kar**  
Principal, SLC

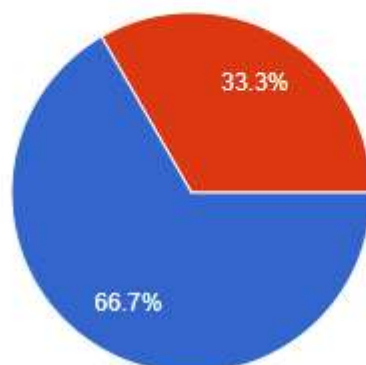
**Team Members - Dr. Ompal Yadav, Mr. Rahul Tomar,  
Dr. Anuj Sharma, Dr. Radhika Gupta**

(In case of higher number of interested students, additional batch might be organized)

## Annexure 2

How useful did you find the workshop?

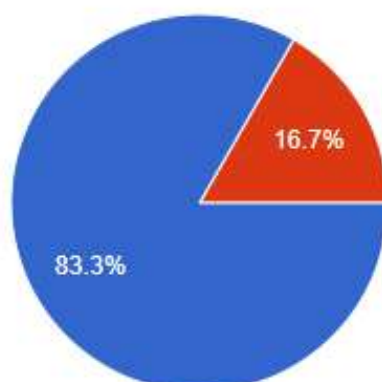
24 responses



- Extremely useful
- Useful
- Not useful

How clear were the ideas and concepts we presented?

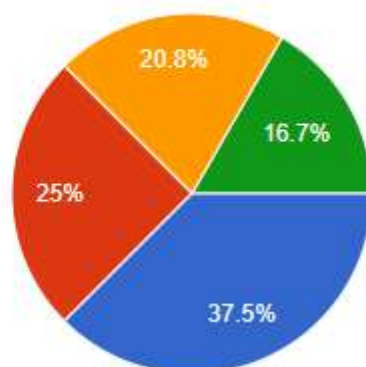
24 responses



- Extremely clear
- Clear
- Not clear

Which activity did you enjoy the most?

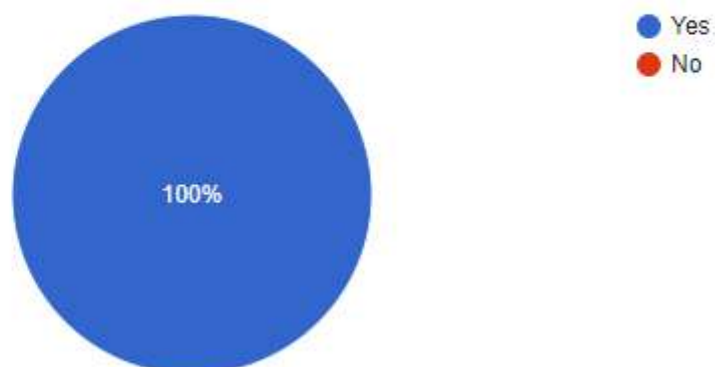
24 responses



- ChemDraw
- HyperChem
- Mathematica
- Origin

Would you like to attend such workshops in the near future?

24 responses



Any suggestions to make this workshop better?

7 responses

No

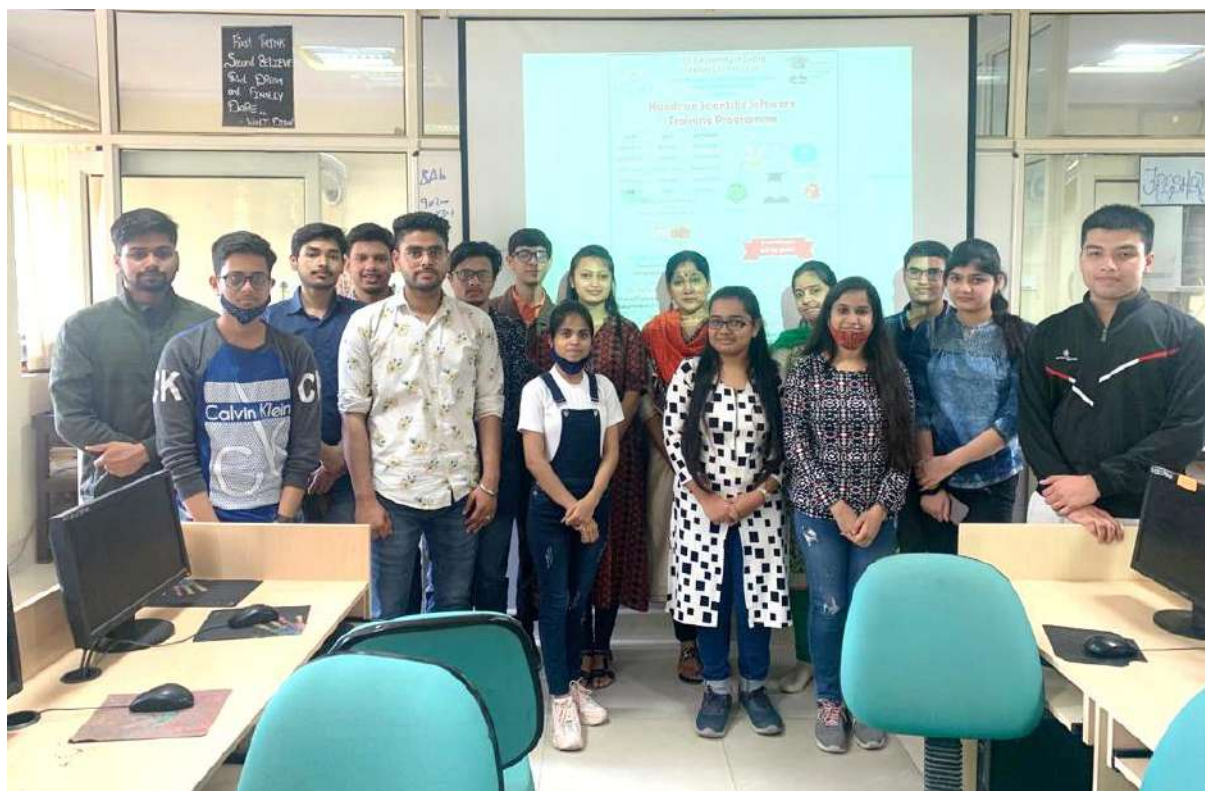
Faculty is appreciable

Its fully fantastic

Each activity should be of atleast 2 days to get more retention like hyperchem, origin and mathematica should be for atleast 2 days rather one day each



### Annexure 3







ORIGIN

# Hands on Scientific Software Training Programme

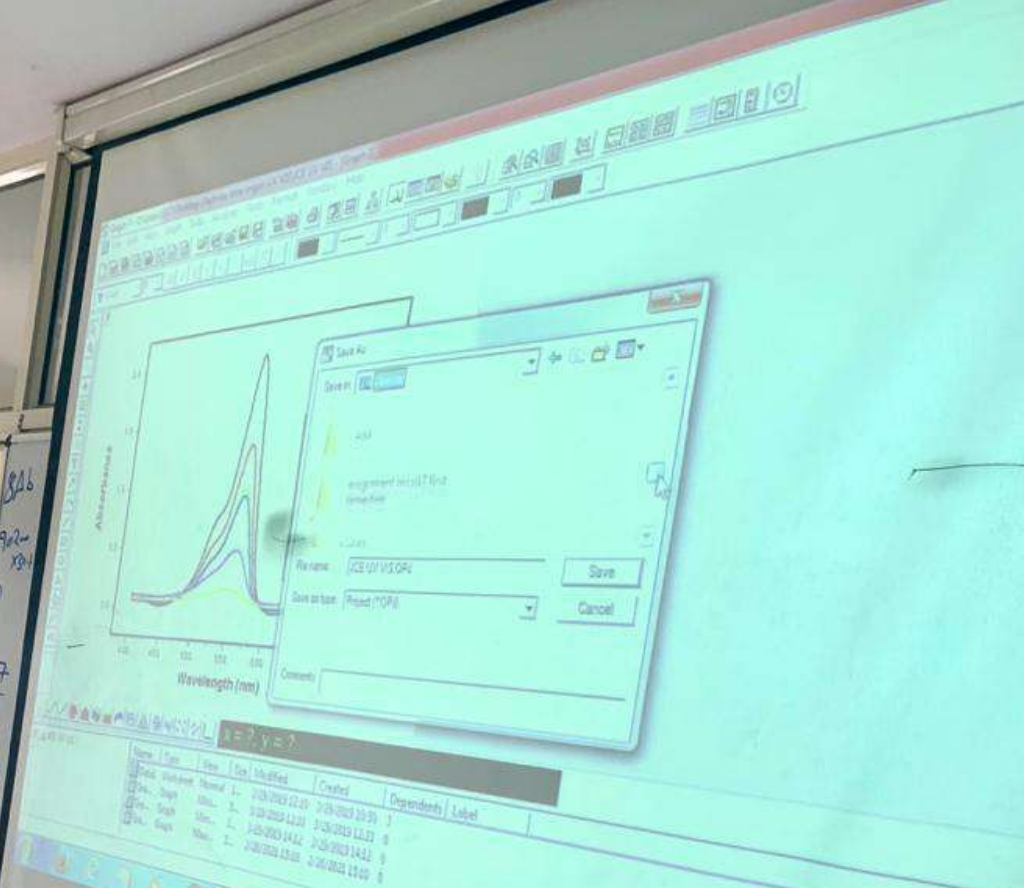


NAG  
OriginLab



Radhika Gupta  
Department of Chemistry  
Shyam Lal College  
University of Delhi

8A6  
902-  
x3+  
⇒  
2.7  
0.9  
= 3.6  
or  
2.7+3.6



Save As

Save: [icon]

File name: JCE 101 VIS.GPJ

Save as type: Project (\*.OPJ)

Save Cancel

Absorbance

Wavelength (nm)

Name	Type	Size	Col. Identifies	Created	Dependencies	Label
Book	Workbook	Normal	1	3/26/2013 12:00	3/26/2013 12:00	1
101	Sheet	Normal	2	3/26/2013 12:00	3/26/2013 12:00	0
102	Sheet	Normal	2	3/26/2013 12:00	3/26/2013 12:00	0
103	Sheet	Normal	2	3/26/2013 12:00	3/26/2013 12:00	0

8A6  
902-  
x3+  
⇒  
2.7  
0.9  
= 3.6  
or  
2.7+3.6







### Annexure 4

## SHYAM LAL COLLEGE (University of Delhi)

Under the aegis of DBT Star College Scheme in collaboration with IQAC organizes

### Hands on Scientific Software Training Programme

#### Students List

S.No.	Name	Course	Roll No.	Attendance (26 feb. 2021)	Remarks
1.	Dhani Ram	Chem (H) IIInd Yr	2103	P	
2.	Muskan Gupta	B.Sc.(PS) IIInd Yr	2811		
3.	Vansh Kochhar	B.Sc.(PS)	2825		
4.	Sneha Chaudhary	Chem (H) IIInd Yr	2118	P	
5.	Mannan Arif	B.Sc.(PS) IIInd Yr	2877	P	
6.	Aviral Singh	B.Sc.(PS) IIInd yr	2824	P	
7.	Astha Chaudhary	B.Sc.(PS)	2872	P	
8.	Saurav Verma	Chem (H) IIInd Yr	2110	P	
9.	Niharika Singh	B.Sc. (PS) IIInd Yr	2866	P	
10.	Abhishek Jha	B.Sc.(PS) IInd Yr	2816	P	
11.	Ritik Chaudhary	Chem (H) IInd Yr	2812		
12.	Shaily Sharma	B.Sc.(PS) IInd Yr	2870		
13.	Yash Arya	B.Sc. Maths (H)	9308	P	
14.	Vidisha Maru	B.Sc.(PS) IInd Yr	2878		
15.	Ravent Rana	B.Sc.(PS) IIIInd Yr	5659	P	
16.	Ajay Shiwal	B.Sc.(PS) IInd Yr	2834	P	
17.	Mohan Manglam saraswat	Chem (H) Ist Yr	9234	P	
18.	Ayushi Jain	Chem (H) Ist Yr	9209	P	
19.	Ankit	B.Sc. Maths (H)	9356		
20.	Nishant Nagar	Chem (H) Ist Yr	9233		
21.	Harsh Verma	B.Sc.(PS) Ist Yr	8930	P	
22.	Sonika Vashisht	B.Sc.(PS) IIIInd Yr	5612		
23.	Dhruv Sharma	Chem (H) IInd Yr	2126	P	
24.	Abhishek Chauhan	Chem (H) IInd Yr	2120	P	
25.	Swasti Jain	Chem (H) IInd Yr	2127	P	
26.	Shreya Jain	Chem (H) IInd Yr	2115	P	
27.	Abhishek Sharma	Chem (H) IInd Yr	2111	P	
28.	Abhishek Mehta	B.Sc.(PS) IIIInd Yr	5727	P	
29.	Arnav Gupta	B.Sc.(PS) IIInd Yr	2755		
30.	Aakash	Chem (H) Ist Yr	9212	P	