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## **REPORT ON CERTIFICATE COURSE (2020-2021)**

**Name of the Course** :GChemPaint

**1. Department** : Chemistry

**2. Duration** : No. of hours –2hrs , No. of days –15

**3. Whether brochure containing details of curriculum,assessment, procedures, etc., is enclosed?** :yes

**4. Number of students enrolled** : 30

**5. Whether list of students is enclosed? (Yes/No):** Yes

**6. Brief Report of the Certificate Course along with the outcome:**

• **Objectives:**

- Explanation about GChemPaint
- Uses of GChemPaint
- Benefits of GChemPaint
- Installation
- To open a new file
- To open a new file from Terminal
- Explain about Menubar, Toolbar and Status bar
- Explain about Display area
- Explain about Document Properties window
- Use of Tool box items
- Draw structures using "Add a Chain" tool
- Save the drawing with gchempaint extension

**Report:**Students Completed Certificate Course Organized by IITBombay Spoken Tutorial.

**Outcome:**On 07.08.2021, The Department of chemistry successfully completed Certificate Course titled ‘Gchempaint’ with the collaboration of Spoken Tutorials, IIT Bombay. 30 Students have registered and finished the course. The course has been coordinated by Smt.Vijaya Jyothi, Assistant Professor and Head, Department of Chemistry. Dr. P. V. Geetha Lakshmi Patnaik, Principal of the college has wholeheartedly congratulated the students.The students are expertise in software technology relating to GChem-paint course which helps the students to tackle the issues raised while presenting the molecular synthesis,structures in higher education as well as in research and also, this course enable and provide opportunities to them to be absorbed into

software side in Pharma industries. ..



<b>S/NO</b>	<b>Name of the Student</b>	<b>Class</b>	<b>RollNumber</b>
1.	Chandan Chaurasia	MPC-III Year	<b>107018441007</b>
2.	Goutham B	MPC-III Year	<b>107018441004</b>
3.	Nagalaxmi K	MPC-III Year	<b>107018441021</b>
4.	Venkatesh G	MPC-III Year	<b>107018441014</b>
5.	Gopi Depavath	MPC-III Year	<b>107018441009</b>
6.	Sathish Kumar J	MPC-III Year	<b>107018441015</b>
7.	Vamshi Sagar M	MPC-III Year	<b>107018441034</b>
8.	Mounika M	MPC-III Year	<b>107018441029</b>
9.	ASHOKLAL M	MPC-III Year	<b>107018441032</b>
10.	Shiva Sai M	MPC-III Year	<b>107018441026</b>
11.	Gnana Deepu P	BZC-III Year	<b>107018445080</b>
12.	Aishwarya M	BZC-III Year	<b>107018445062</b>
13.	Manichandra Naik Mudavath	BZC-III Year	<b>107018445068</b>
14.	Sravanthi P	BZC-III Year	<b>107018445086</b>
15.	Manisha Adapala	BZC-III Year	<b>107018445001</b>
16.	Nandini Goud R	BZC-III Year	<b>107018445087</b>
17.	Suman Banoth	MPC-III Year	<b>107018441003</b>
18.	Prashanth Routh	MPC-III Year	<b>107018441044</b>
19.	NagarjunKukutla	MPC-III Year	<b>107018441024</b>
20.	Bantu Goutham	MPC-III Year	<b>107018441004</b>
21.	Swetha Golla	MPC-III Year	<b>107018441011</b>
22.	Shruthi Bowroju	MPC-III Year	<b>107018441006</b>
23.	Varre Mounika	MPC-III Year	<b>107018441050</b>
24.	Ramavath Vinod Kumar	BZC-III Year	<b>107018445092</b>
25.	Kamoji Shivani	BZC-III Year	<b>107018445051</b>
26.	KollurBaswaraj	BZC-III Year	<b>107018445055</b>
27.	Swetha Golla	MPC-III Year	<b>107018441011</b>
28.	Palakurla Krishna	BZC-III Year	<b>107018445076</b>
29.	Gouda Srikanth	BZC-III Year	<b>107018445039</b>
30.	Varikuppala Anil	MPC-III Year	<b>107018441049</b>

**Signature of I/C of Dept.:**.....

## IQAC Resolutions 2020-2021

As per IQAC Resolutions, It was decided by the Department of Chemistry to conduct a Certificate program on

"**CICHEM PAINT**" in the month of July, 2021 for the BSc final year students of BZC, MPC, Bt.z.c, Bt.B. and etc.  
The resolutions as follows.

### Resolutions :

1. To send a circular/Notice to all the BSc final year students
2. It has been resolved to encourage the students to participate in the Certificate program in good numbers
3. It also has been resolved to prepare the list of the students, interested in the course.
4. It has been resolved to prepare time-table, syllabus and schedule of the course.

Prof. Jothu



## Need analysis of the course

Students in the present generation are in and around are surrounded by technology every where, In the every stages of their lives, the students need to be updated with the latest technology and software.

Hence Dept. of chemistry to update and acquaint Bsc students with the latest software that has been developed in chemistry field, to make easy to draw chemical structures (gaint) and reaction pathways, etc.

Luqman

## Objectives and outcome of the course

- \* Explanation about G. Chempaint
- \* Uses of G. ChemPaint
- \* Benefits of G. Chem paint
- \* Installation.
- \* To open a new file
- \* To open a new file from Terminal
- \* Explain about Menubar, Toolbar and Statusbar
- \* Explain about Display area
- \* Explain about Document properties window
- \* Use of Tool box items.
- \* Draw structures using "Add a Chain" tool
- \* Save the drawing with g. Chempaint extension.

Outcome :- The Students are expertise in Software technology relating to G. Chempaint course which helps the Students to tackle the issues raised while presenting the molecular synthesis, structures in higher education as well as in research.

Ans. form.

## Outline of the Course

1. Overview of Gchem Paint - complete installation of Gchempaint along with utility files.
2. Introduction to G-chem paint - explanation, uses benefits of Gchem paint
3. Basic operations - To open, add, select text
4. View print and export structures
5. Edit preferences Templates and Residues
6. Formation of chemical molecules  
- use or modify text, add or delete elements by using periodic table
7. Formation of bonds - Add to the existing bond
8. Editing molecules - add, charge, electron pair
9. Aromatic molecular structures drawing
10. orbital overlap - add or modify
11. Analysis of compounds.
12. Features of Gchem 3D
13. Features and colours schemes.
14. Resonate structures
15. Charts in G-chem table.

Cvg - goth



**Notice**

**Dt.09/07/2021**

All the students of BSc Life sciences and Physical Sciences are informed that Chemistry Department is going to offer 10 days Certificate Program(on-line mode) on " G-CHEM PAINT " offered by Spoken Tutorials in collaboration with IIT, Bombay to BSc students from 11/07/2021 to 29/07/2021. Interested students are requested to give their names to Chemistry faculty immediately for undergoing training as well as attending the examination.

  
I/C Chemistry Dept.

  
Principal





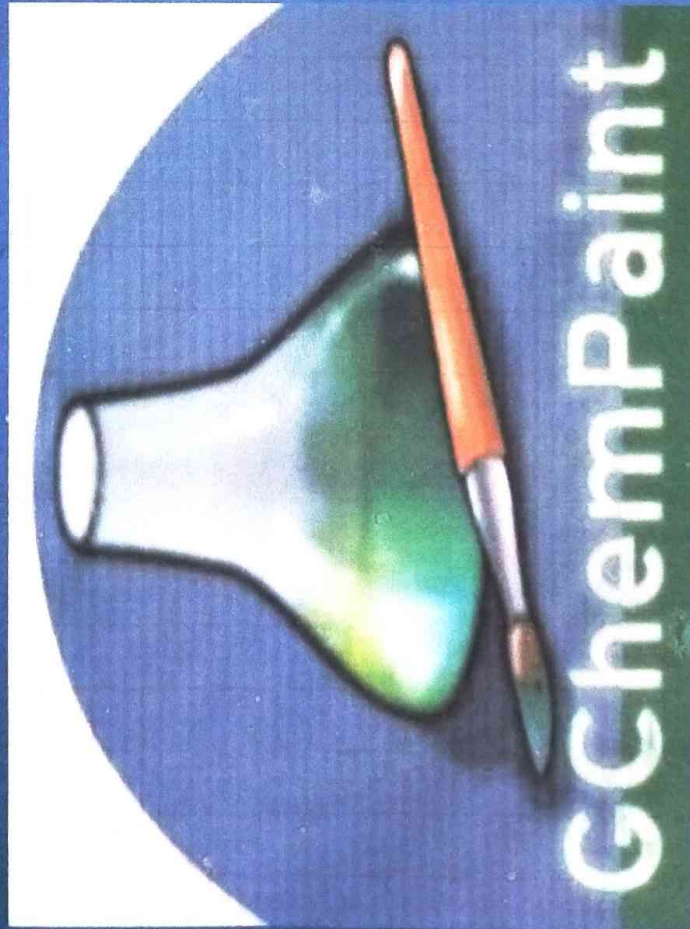
**BJR Government Degree College,  
Hyderabad**  
**Department of Chemistry**

**Certificate Course on**



**spoken-tutorial**

Powered by  
Ministry of Human Resources and  
Development, Government of India.



**About the Course:** The course is organized in collaboration with Spoken Tutorials, IIT Bombay. The course is to be pursued through self-learning mode (Online) with the e-content provided by the Spoken Tutorials.

**Important Dates:** 11.07.2021 – 30.07.2021

**Registration:** Please register on or before 02.07.2021

**Contact:** In-charge, Department of Chemistry



# Gr-chem Paint Certificate Course Attendance - 2020-21

SNO	Name of the student	Roll No.	Year & Group	11/7/21	13/7/21
1	Bantu Goutham	1070-18-441-004	III MPC	B Goutham	B
2	Banoth Suman	1070-18-441-003	III MPC	Suman	Sun
3	Shruthi Bowsoju	1070-18-441-006	III MPC	Shruthi	Shru
4	chandam chaurasia	1070-18-441-007	III MPC	chaurasia	chau
5	Gopi Deepavath	1070-18-441-009	III MPC	Gopi Deepavath	Gopi
6	Sweetha Golla	1070-18-441-011	III MPC	Sweetha Golla	Sweet
7	Venkatesh G	1070-18-441-014	III MPC	Venkatesh	Ve
8	Sathish Kumar J	1070-18-441-015	III MPC	Sathish Kumar	Sathish
9	Naga Lakshmi K	1070-18-441-021	III MPC	Naga Lakshmi	Nag
10	Nagarajun K	1070-18-441-024	III MPC	Nagarajuna	Naga
11	Shiva Sai M	1070-18-441-026	III MPC	Shiva Sai	Shiva
12	Mounika M	1070-18-441-029	III MPC	Mounika	Moun
13	Prashanth R	1070-18-441-044	III MPC	Prashanth	Prasha
14	Vasre Mounika	1070-18-441-050	III MPC	Monika	moun
15	Vamsi Sagar M	1070-18-441-034	III MPC	Vamsi	Vam
16	V. Anil	1070-18-441-049	III MPC	Anil	Anil
17	Manish A	1070-18-445-001	III BZC	Manish	Manish
18	G. Srikanth	1070-18-445-039	III BZC	Srikanth	Srikan
19	K. Shivani	1070-18-445-031	III BZC	Shivani	Shivan
20	K. Baswajaj	1070-18-445-055	III BZC	Baswajaj	Baswaj
21	Aishwarya M	1070-18-445-062	III BZC	Aishwarya	Aishw
22	Manikchandra Naik	1070-18-445-068	III BZC	manikchandra	manik
23	P. Krishna	1070-18-445-076	III BZC	Krishna	Krish
24	Ananadeepu P	1070-18-445-080	III BZC	Ana Deepu	Deep
25	Sravanthi P	1070-18-445-086	III BZC	Srav	Srav
26	Nandani Goud R	1070-18-445-087	III BZC	Nandani	Nand
27	R. Venod Kumar	1070-18-445-092	III BZC	Venod	Ven
28	Ashok Lal M	1070-18-441-032	III MPC	Ashok	Ash



14/7/21	15/7/21	16/7/21	17/7/21	19/7/21
B. Gouthary	B. Gouthary	B. Gouthary	B. Gouthary	B. Gouthary
Suman	Suman	Suman	Suman	Suman
Shruthi	Shruthi	Shruthi	Shruthi	Shruthi
Chaurasia	Chaurasia	Chaurasia	Chaurasia	Chaurasia
Gopi Deepavath	Gopi Deepavath	Gopi Deepavath	Gopi Deepavath	Gopi Deepavath
Sweetha. G	Sweetha. G	Sweetha. G	Sweetha. G	Sweetha. G
Venkatesh	Venkatesh	Venkatesh	Venkatesh	Venkatesh
Satish Kumar	Satish Kumar	Satish Kumar	Satish Kumar	Satish Kumar
Nagalaaxmi	Naga laxmi	Naga laxmi	Naga laxmi	Naga laxmi
<del>Nagaraju</del> Shiva Sai	<del>Nagaraju</del> Shiva Sai	<del>Nagaraju</del> Shiva Sai	<del>Nagaraju</del> Shiva Sai	<del>Nagaraju</del> Shiva Sai
<del>Shiva Sai</del> Mounika	<del>Shiva Sai</del> Mounika	<del>Shiva Sai</del> Mounika	<del>Shiva Sai</del> Mounika	<del>Shiva Sai</del> Mounika
Mounika	Mounika	Mounika	Mounika	Mounika
Prashanth	Prashanth	Prashanth	Prashanth	Prashanth
maunika	maunika	maunika	maunika	maunika
Vamshi	Vamshi	Vamshi	Vamshi	Vamshi
Anil	Anil	Anil	Anil	Anil
manish	manish	manish	manish	manish
Brickanth	Brickanth	Brickanth	Brickanth	Brickanth
Shivani	Shivani	Shivani	Shivani	Shivani
Baswaraj	Baswaraj	Baswaraj	Baswaraj	Baswaraj
Ashwarya	Ashwarya	Ashwarya	Ashwarya	Ashwarya
manika	manika	manika	manika	manika
krishna	krishna	krishna	krishna	krishna
Deepu	Deepu	Deepu	Deepu	Deepu
Suy	Suy	Suy	Suy	Suy
Nay	Nay	Nay	Nay	Nay
Nay	Nay	Nay	Nay	Nay
Anj	Anj	Anj	Anj	Anj



20/12/21	22/12/21	23/12/21	24/12/21	26/12/21
B. Clouthary	B. Clouthary	B. Clouthary	B. Clouthary	B. Clouthary
Suman	Suman	Suman	Suman	Suman
Shenithi	Shenithi	Shenithi	Shenithi	Shenithi
Chaurasia	Chaurasia	Chaurasia	Chaurasia	Chaurasia
Chopi Devath	Chopi Devath	Chopi Devath	Chopi Devath	Chopi Devath
Sweetba-Cj	Sweetba-Cj	Sweetba-Cj	Sweetba-Cj	Sweetba-Cj
Venkatesh	Venkatesh	Venkatesh	Venkatesh	Venkatesh
Sathish Kumar	Sathish Kumar	Sathish Kumar	Sathish Kumar	Sathish Kumar
Naga lakshmi	Naga lakshmi	Naga lakshmi	Naga lakshmi	Naga lakshmi
Nagarjun	Nagarjun	Nagarjun	Nagarjun	Nagarjun
Shiva Sai	Shiva Sai	Shiva Sai	Shiva Sai	Shiva Sai
manika	manika	manika	manika	manika
Prashanth	Prashanth	Prashanth	Prashanth	Prashanth
manika	manika	manika	manika	manika
Vamsi	Vamsi	Vamsi	Vamsi	Vamsi
Anil	Anil	Anil	Anil	Anil
manish	manish	manish	manish	manish
Srikanth	Srikanth	Srikanth	Srikanth	Srikanth
Shivani	Shivani	Shivani	Shivani	Shivani
Baswaraj	Baswaraj	Baswaraj	Baswaraj	Baswaraj
Dishwaraya	Dishwaraya	Dishwaraya	Dishwaraya	Dishwaraya
manika	manika	manika	manika	manika
krishna	krishna	krishna	krishna	krishna
Deepu	Deepu	Deepu	Deepu	Deepu
Suy.	Suy.	Suy.	Suy.	Suy.
Wuy.	Wuy.	Wuy.	Wuy.	Wuy.
Vuy.	Vuy.	Vuy.	Vuy.	Vuy.
Juy.	Juy.	Juy.	Juy.	Juy.



27/7/21

B. Cloutbary

Suman

sheuthi

chaurasia

Capi Derath

Sweetha. C.

Venkatesh

Sathish kumar

Naga lakshmi

Nagarjun

Shiva Sai

mounica

Prashanth

mounica

Vamsi

Anil

Manish

Srikanth

Shivani

Baswaraj

Pishwaraya

manica

Krishna

Deepu.

Suy.

Wuy.

Vuy.

Any.

28/8/21

B. Cloutbary

Suman

sheuthi

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Sweetha. C.

Venkatesh

Sathish kumar

Naga lakshmi

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manica

Krishna

Deepu

Suy.

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Any.

29/8/21

B. Cloutbary

Suman

sheuthi

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Sweetha. C.

Venkatesh

Sathish kumar

Naga lakshmi

Nagarjun

Shiva Sai

mounica

Prashanth

mounica

Vamsi

Anil

Manish

Srikanth

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manica

Krishna

Deepu.

Suy.

Wuy.

Vuy.

Any.