


NAGARJUNA GOVT. COLLEGE (A)






IIT BOMBAY SPOKEN TUTORIAL

ACADEMIC YEAR: 2021-22

Organized by





NODAL
TELANGANA SKILLS & KNOWLEDGE CENTRE
TS KC
Telangana Skills & Knowledge Centre



CREATING OPPORTUNITIES **DEVELOPING SKILLS** **UNLEASHING POTENTIAL**

NAGARJUNA GOVERNMENT COLLEGE (A)

Re-Accredited by NAAC with 'A' Grade
Affiliated to Mahatma Gandhi University



NALGONDA



CERTIFICATE

COURSE

The Spoken Tutorial project

- Self explanatory - uses simple language
- Audio-video - uses multisensory approach
- Small duration - has better retention
- Learner-centered - learn at your own pace
- Learning by doing - learn and practice simultaneously
- Empowerment - learn a new FOSS

Target group

- School students
- College students and graduates
- Research scholars
- Teacher educators

Workshops

The Spoken Tutorial Project Team conducts work-shops on GChemPaint and other FOSS using spoken tutorials and gives certificates to those who pass an online test.

For more details, please write to
contact@spoken-tutorial.org

The Spoken Tutorial Project is funded by the National Mission on Education through Information and Communication Technology, Ministry of Human Resource Development, Government of India.

Contact Us

Email : contact@spoken-tutorial.org
info@spoken-tutorial.org

Website : <http://spoken-tutorial.org>



IIT Bombay

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Spoken Tutorials



GChemPaint



National Mission on Education through Information and Communication Technology (NMEICT)

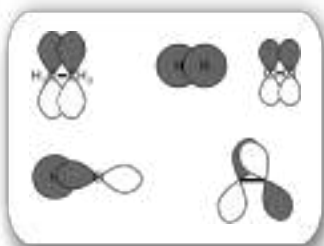
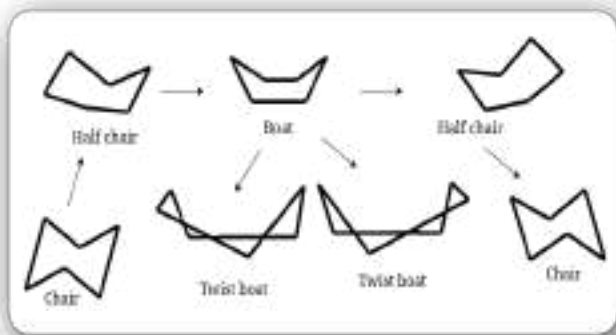
www.sakshat.ac.in

An MHRD initiative

<http://spoken-tutorial.org>

Introduction

- GChemPaint is a two dimensional chemical structure editor for Linux Operating System.
- It is a Free and Open Source Software(FOSS) developed in 'C'.
- It is useful for students, teachers, researchers and teacher educators.
- For details about GChemPaint visit:
<http://www.nongnu.org/gchempaint/>



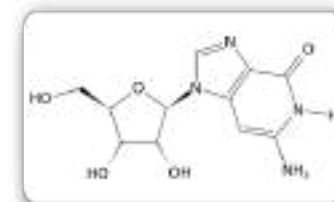
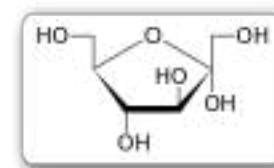
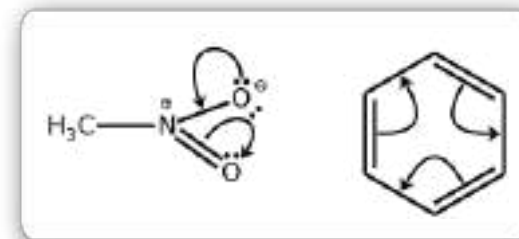
Features of GChemPaint

- GChemPaint allows to draw and display two dimensional chemical structures.
- Tool box contains various tools to draw structures, bonds, orbitals and type text.
- It has inbuilt Templates with different categories of structures to load into GChemPaint Display area.
- It has an inbuilt Modern Periodic Table.
- It supports multiple file formats like .mol, .pdb, .svg, .pdf etc.
- It has an inbuilt Chemical Calculator to calculate molecular weight of compounds.
- It helps to convert 2D structures to 3D structures using GChem3D feature.
- In GChem3D, structures can be viewed in Ball and sticks, Space filling, Cylinders and Wireframe.
- Periodic table trends and properties can be shown using the GChemTable feature.
- Different types of charts can be created and viewed using GChemTable.



Uses of GChemPaint

- View mass spectrum of the molecule using Chemical calculator.
- Change length, angle and width of the bonds using Preferences window.
- Structures can be rotated in GChem3D.
- Magnification of structures, automatic and manual assignment of atoms can be done in the window.
- We can drag and drop Templates and also create new Templates.
- It allows to use various residues and create new residues.
- It can group and align different objects as one single object.
- We can view NIST Web Book page and PubChem page for a molecule.
- Images can be used in print media, journals and publications.



NAGARJUNA GOVT. COLLEGE (A) NALGONDA
TELANGANA SKILL & KNOWLEDGE CENTRE

GChemPaint Certificate Course

in collaboration with

IIT Bombay Spoken Tutorial

Report:

Telangana Skill & Knowledge Centre (TSKC) conducted a certificate course on GChemPaint from 01-02-2022. In this course 123 III Year students from BZC, BBC, MZC were enrolled and successfully completed their course.

Course outcome:

GChemPaint allows to draw and display two dimensional chemical structures. It has inbuilt templates with different categories of structures that can be loaded into the GChemPaint Display area. It has an inbuilt Modern periodic table. It supports multiple file formats like .mol, .pdb, .svg, .pdf and other forms. It has an inbuilt Chemical Calculator to calculate molecular weight of compounds and view mass spectra. It helps to convert drawn 2D structures to 3D structures using GChem3D feature. Structures can be viewed in "ball and sticks", "space filling", "Cylinders" and "wireframe". Periodic table trends and properties can be shown using the GChemTable feature. Different types of charts can be created and viewed using GChemTable. two dimensional chemical structure editor

NAGARJUNA GOVT. COLLEGE (A) NALGONDA TELANGANA SKILL & KNOWLEDGE CENTRE

Date: 24-01-2022

NOTICE

All the B.Sc, B.Com & B.A students are hereby informed that, those students who are not registered in IIT Bombay Spoken tutorial should register from 24-01-2022 by scanning the QR Code. Last date for registration is 28-01-2022.



Note:

1. It is a free of cost & remote learning training
2. After completion of course you will get a certificate from IIT Bombay Spoken Tutorial
3. Course will be allot and intimate on 30-01-2022
4. Already registered student no need to register again

A handwritten signature in blue ink, appearing to read 'Dawood'.

TSKC Co-Ordinator (Nodal)
N.G. College (A), NALGONDA

NAGARJUNA GOVT. COLLEGE(A) NALGONDA**TELANGANA SKILL & KNOWLEDGE CENTRE****IIT BOMBAY SPOKEN TUTORIAL****GChemPaint- Certificate Course-Student Enrollment**

Sl.No	Name	Roll Number	Group	Year	Email	Gender
1	ATHUKURI VINAY	19044028445010	BZC	III	athukurivinay2002@gmail.com	Male
2	DAIDA MAHESH	19044028445046	BZC	III	daidamahesh158@gmail.com	Male
3	ERIGI KAVYA SREE	19044028445062	BZC	III	kavyasrierigi@gmail.com	Female
4	KUNCHAM ANUSHA	19044028445112	BZC	III	anusha9390458920@gmail.com	Female
5	NEDUNGHAT VISHNU	19044028445150	BZC	III	nedunghatvishnu.ngc@gmail.com	Male
6	NEHA NAAZ	19044028445154	BZC	III	nehanaaz.ngc@gmail.com	Female
7	RAPOLU KAVERI	19044028445176	BZC	III	rapolukaveringc@gmail.com	Female
8	SHAIK ARSHIYA	19044026445190	BZC	III	shaikarshiya.ngc@gmail.com	Female
9	SHAIK MASOOD	19044028445193	BZC	III	mn1999544@gmail.com	Male
10	AITHAGONI LINGASWAMY	19044028445002	BZC	III	aithagonilingaswamy.ngc@gmail.com	Male
11	AITHAGONI VENKATESH	19044028445003	BZC	III	venkateshgoud94427@gmail.com	Male
12	ALUGU NANDINI	19044028445006	BZC	III	alugunandini2@gmail.com	Female
13	AYESHA AFROSE	19044028445014	BZC	III	ayeshaafrose1312@gmail.com	Female
14	BATHULA VAMSHI SAIKIRAN	19044028445024	BZC	III	bathulavamshi10@gmail.com	Male
15	BOMMALA SHIVA	19044028445033	BZC	III	bommalashivangc@gmail.com	Male
16	CHAMAKURI UMESH	19044028445037	BZC	III	umeshchamakuri910@gmail.com	Male
17	CHILUKURI ANJALI	19044028445042	BZC	III	chilukurianjali08@gmail.com	Female
18	CHITRAM VAMSHI	19044028445043	BZC	III	chithramvamshi.ngc@gmail.com	Male
19	CHOWKALA NAVYA	19044028445045	BZC	III	navyachaukala@gmail.com	Female
20	DAMARLA RAJITHA	19044028445047	BZC	III	damarlarajitha@gmail.com	Female
21	DASARI KAVYA SRI	19044028445049	BZC	III	ddasarikavyasri@gmail.com	Female
22	DHANAVATH LALITHA LALITHA	19044028445051	BZC	III	dhanavathlalitha2002@gmail.com	Female
23	DHANAVATH RAJESH	19044028445052	BZC	III	dhanavathrajesh31@gmail.com	Male
24	DHARAVATH RAMAKRISHNA	19044028445053	BZC	III	dharavathramakrishna@gmail.com	Male
25	DOTI RAMU	19044028445058	BZC	III	dotiramul234.ngc@gmail.com	Male
26	DUBBAKA NAGARAJU	19044028445059	BZC	III	nagarajdubbaka555@gmail.com	Male
27	ESARAM MADHU	19044028445065	BZC	III	esarammadhu2@gmail.com	Male
28	GADDAM KAVERI	19044028445069	BZC	III	gaddamkaveri9@gmail.com	Female
29	BHAVITHA GATTU	19044028445077	BZC	III	gattubhavitha@gmail.com	Female

NAGARJUNA GOVT. COLLEGE(A) NALGONDA**TELANGANA SKILL & KNOWLEDGE CENTRE****IIT BOMBAY SPOKEN TUTORIAL****GChemPaint- Certificate Course-Student Enrollment**

Sl.No	Name	Roll Number	Group	Year	Email	Gender
30	SAI GUDIPATI	19044028445080	BZC	III	gudipatisai2000@gmail.com	Male
31	KALLETLA SHIRISHA	19044028445092	BZC	III	kalletlashirisha.ngc@gmail.com	Female
32	KAMBHAMPATI SARITHA	19044028445094	BZC	III	kambhampatisaritha1@gmail.com	Female
33	KANUKURTHI PRAVALLIKA	19044038445100	BZC	III	kanukurthipravallika19@gmail.com	Female
34	KATTEBOINA HARISH	19044028445104	BZC	III	katteboinaharish.ngc@gmail.com	Male
35	KONKA.SANDHYA KONKA .SANDHYA	19044028445111	BZC	III	sandhyasandhya08590@gmail.com	Female
36	MANGALI LAVANYA	19044028445122	BZC	III	mangalivijayalaxmi75@gmail.com	Female
37	MANGALI VAISHNAVI	19044028445123	BZC	III	mangalivaishnavi18@gmail.com	Female
38	M RADHIKA	19044028445125	BZC	III	maheshhero0836@gmail.com	Female
39	MARRI SHIVAVENI	19044028445126	BZC	III	marrishivaveni.ngc@gmail.com	Female
40	MEDA SANDHYA	19044028445128	BZC	III	sandhyameda7@gmail.com	Female
41	M.NIDHISRI M.NIDHISRI	19044028445129	BZC	III	mediganidhisri.ngc@gmail.com	Female
42	MEDIGA SATHWIKA	19044028445130	BZC	III	medigashivani@gmail.com	Female
43	MIRYALA UMA	19044028445137	BZC	III	miryalauma.ngc@gmail.com	Female
44	MOHAMMAD SANIYA	19044028445138	BZC	III	mohammadsaniya.ngc@gmail.com	Female
45	MOTE KALYANI	19044028445141	BZC	III	motekalyani62@gmail.com	Female
46	MUDAVATH RAMU	19044028445142	BZC	III	mudavathramu2000@gmail.com	Male
47	MUNAVATH SRIKANTH	19044028445144	BZC	III	munavathsrikanth.ngc@gmail.com	Male
48	MUTHYAM SHIVASAI	19044028445146	BZC	III	shivasaimuthyam51@gmail.com	Male
49	PAVAN NAKKA	19044028445148	BZC	III	nakkapavan2001@gmail.com	Male
50	NEELAKANTAM SANDHYA	19044028445151	BZC	III	nsandhyasandy28@gmail.com	Female
51	NOMULA KAVERI	19044028445155	BZC	III	nomulakaveri123@gmail.com	Female
52	PADALA NAVYA	19044028445158	BZC	III	padalanavya132@gmail.com	Female
53	CHANDANA PAGILLA	19044028445159	BZC	III	chandanapagilla1@gmail.com	Female
54	PAGILLA SHIVANI	19044028445160	BZC	III	pagillashivani89@gmail.com	Female
55	PANTHANGI SRIKANTH	19044028445161	BZC	III	panthangisrikanth.ngc@gmail.com	Male
56	PASHAM SHIVANI	19044028445162	BZC	III	shivanipasham2@gmail.com	Female
57	PATHULOTHU VASANTHA	19044028445163	BZC	III	pathulothuvasantha1234@gmail.com	Female
58	PRAVEEN KUMAR PERAM	19044028445166	BZC	III	perampraveenkumar21@gmail.com	Male

NAGARJUNA GOVT. COLLEGE(A) NALGONDA**TELANGANA SKILL & KNOWLEDGE CENTRE****IIT BOMBAY SPOKEN TUTORIAL****GChemPaint- Certificate Course-Student Enrollment**

Sl.No	Name	Roll Number	Group	Year	Email	Gender
59	PITTALACHITTI CHITTI	19044028445170	BZC	III	pittalachitti14@gmail.com	Female
60	REGULAGADDA DEVENDAR	19044028445178	BZC	III	regulagaddadevendar.ngc@gmail.com	Male
61	REGULAGADDA DIVYA	19044028445179	BZC	III	regulagaddadivya.ngc@gmail.com	Female
62	REKALA VIJAYA	19044028445181	BZC	III	vijayarekala85@gmail.com	Female
63	RUBEENA TABASSUM	19044028445182	BZC	III	nemathbegum552@gmail.com	Female
64	SADAM MADHAVI	19044028445183	BZC	III	madhavisadam030@gmail.com	Female
65	AFREEN SHAIK	19044028445189	BZC	III	safreen4082@gmail.com	Female
66	SHAIK ASIF	19044028445191	BZC	III	shaikasif.ngc@gmail.com	Male
67	SHAIK KAREENA	19044028445192	BZC	III	karishmashaik0179@gmail.com	Female
68	ZUBAIR SHAIK	19044028445195	BZC	III	shaikzubairpasha.ngc@gmail.com	Male
69	SOPPARI TEJASWI	19044028445200	BZC	III	tejaswisoppari53@gmail.com	Female
70	THORAKOPPULA SHREYA	19044028445204	BZC	III	ts2250981@gmail.com	Female
71	TOOBA MOIZ	19044028445206	BZC	III	toobamoiz979@gmail.com	Female
72	UMMARA TABASSUM	19044028445208	BZC	III	ummaratabassum.ngc@gmail.com	Female
73	VADDEPALLI ELLORA	19044028445210	BZC	III	ellorakhushi19@gmail.com	Female
74	CHIKKULA SHIVANI	19044028445040	BZC	III	shivanichikkula@gmail.com	Female
75	GUNDEBOINA PRAVEEN	19044028445082	BZC	III	gundeboinapraveen111@gmail.com	Male
76	YASHWANTH MAGI	19044028445120	BZC	III	sunnymagi1999@gmail.com	Male
77	MEDIGA SATHWIK	19044028445130	BZC	III	medigasathwika86@gmail.com	Female
78	NANDYALA UDAY PRAKASH REDDY	19044028445149	BZC	III	udayreadynandyala@gmail.com	Male
79	PRAVEEN KUMAR PERAM	19044028445166	BZC	III	peram.praveenkumar21@gmail.com	Male
80	PERKA SRILATHA	19044028445167	BZC	III	shirishasrikanth2022@gmail.com	Female
81	RAVULA BALARAJU	19044028445177	BZC	III	ravulabalarajuyadav2001@gmail.com	Male
82	SANDRA NISHA	19044028445185	BZC	III	nishasandra2222@gmail.com	Female
83	SHIKHA MEHVISH	19044028445196	BZC	III	shikamehvish10@gmail.com	Female
84	THUDUM VINOD	19044028445205	BZC	III	thudumvinod.ngc@gmail.com	Male
85	TOOBA MOIZ	19044028445206	BZC	III	toobamoiz979@gmail.com	Female
86	VEMULA OHMSAI	19044028445214	BZC	III	vemulaohmsai214@gmail.com	Male
87	GADAM ASHWINI	19044028445068	BZC	III	ashwingaddam52@gmail.com	Female

NAGARJUNA GOVT. COLLEGE(A) NALGONDA**TELANGANA SKILL & KNOWLEDGE CENTRE****IIT BOMBAY SPOKEN TUTORIAL****GChemPaint- Certificate Course-Student Enrollment**

Sl.No	Name	Roll Number	Group	Year	Email	Gender
88	MANOJKUMAR KANDULA	19044028445096	BZC	III	kandulamanojkumar.ngc@gmail.com	Male
89	MUSOJU UPENDHAR CHARY	19044028445145	BZC	III	uppiuppi934@gmail.com	Male
90	NEDUNGHAT VISHNU	19044028445150	BZC	III	nedunghatvishnu2001@gmail.com	Male
91	UDDAGIRI VINODA	19044028445207	BZC	III	vinodauddagiri2@gmail.com	Female
92	BATHULA CHAITHANYA	19044028445022	BZC	III	bathulalchaithanyabchaithanya@gmail.com	Female
93	BEESAM BEESAM MOUNIKA	19044028445027	BZC	III	beesammounika@gmail.com	Female
94	HEMALATHA BOLLAGONI	19044028445032	BZC	III	hemalathabollagoni@gmail.com	Female
95	DEVARAKONDA NAVEEN	19044028445050	BZC	III	devarakondanaveen.ngc@gmail.com	Male
96	ERUGANTI VARYN	19044028445064	BZC	III	erugantivarun@gmail.com	Male
97	KOTAIAH JANAPATI	19044028445086	BZC	III	kotesjjanapati56@gmail.com	Male
98	MARRI VENNELA	19044028445127	BZC	III	vennelamarri41@gmail.com	Female
99	NEELAM NAVYA	19044028445153	BZC	III	neelamnavya.ngc@gmail.com	Female
100	NOMULA KAVERI	19044028445155	BZC	III	kn7238221@gmail.com	Female
101	NAVANEETHA PACHIPALA	19044028445157	BZC	III	pachipalanavaneetha33@gmail.com	Female
102	KAVYA PUPPALA	19044028445172	BZC	III	puppalakavya02@gmail.com	Female
103	RUBEENA TABASSUM	19044028445182	BZC	III	rubbu907@gmail.com	Female
104	YARRABELLI PREETHI	19044028445215	BZC	III	yarrabellipreethireddy@gmail.com	Female
105	YASMEEN YASMEEN	19044028445216	BZC	III	mdyasmeen53@gmail.com	Female
106	BOODIDHA PAVITHRA	1904402844034	BZC	III	pavitragoud154@gmail.com	Female
107	BADETI THIRUMALESH	19044028445016	BZC	III	badetithirumal69@gmail.com	Male
108	CHOLLETI GEETHA	19044028445044	BZC	III	cholletigeetha6633@gmail.com	Female
109	JALA KALYANI	19044028445084	BZC	III	jalakalyani4@gmail.com	Female
110	KOMPELLY NAGAMANI	19044028445107	BZC	III	kompellynagamani.ngc@gmail.com	Female
111	KONETI KOTESH	19044028445110	BZC	III	konetikotes9@gmail.com	Male
112	SHIVAVENI MARRI	19044028445126	BZC	III	shivavenimarri@gmail.com	Female
113	PERUMALLA SOWMYA	19044028445168	BZC	III	perumallasowmya62@gmail.com	Female
114	SHAIK RIZWAN	19044028445194	BZC	III	rrizzu847@gmail.com	Male
115	BATHULA MATHSYAGIRI	19044028457001	MZC	III	mathsyagiribathula3@gmail.com	Male
116	DESHIDI SAI SHIVANI	19044028457002	MZC	III	deshidisaishivani@gmail.com	Female

NAGARJUNA GOVT. COLLEGE(A) NALGONDA**TELANGANA SKILL & KNOWLEDGE CENTRE****IIT BOMBAY SPOKEN TUTORIAL****GChemPaint- Certificate Course-Student Enrollment**

Sl.No	Name	Roll Number	Group	Year	Email	Gender
117	MAHENDARKAR PUNITHA	19044028457006	MZC	III	mahendarkarpunitha4971@gmail.com	Female
118	SURABHI MARUTHI PRASAD	19044028457009	MZC	III	surabhimaruthi84@gmail.com	Male
119	VUNNAM PRASANNA	19044028457010	MZC	III	prasannavunnam1806@gmail.com	Female
120	HUSNA BEGUM	402815457007	MZC	III	husnabegum1787@gmail.com	Female
121	KODIDETI NAGADURGA	18044028457025	MZC	III	nagadurga4563370@gmail.com	Female
122	BANOTHU SAI SHIREESHA	19044028572001	BBC	III	banothusaishireesha@gmail.com	Female
123	MAMIDI GOUTHAM	19044028572006	BBC	III	mamidigoutham1505@gmail.com	Male

NAGARJUNA GOVT. COLLEGE (A) NALGONDA
TELANGANA SKILL & KNOWLEDGE CENTRE


Date: 30-01-2022

NOTICE

All the below mentioned groups of IIT Bombay Spoken Tutorial registered students are hereby informed that, TSKC allotted your course for the Academic year 2021-22 shown below. In this regard instructed that completed your course before 28-02-2022.

Sl.No	Group	Year	Allotted Course	Duration
1	BZC	III	GChemPaint	1 Month
2	MZC	III		
3	BBC	III		
4	MPCS	III	HTML	
5	EHP EM	III	Office - LibreOffice Suite Calc 6.3	
6	EHP TM	III		
7	HPG	III		
8	HPMJ	III		
9	HPP	III		
10	BA	III		
11	BBA	III	Office - LibreOffice Suite Writer 6.3	
12	MPCS	II		
13	BCOM CA	II		
14	BBA	II		
15	MPC	II		
16	BBC	II		
17	MZC	II		
18	MSCS	II		
19	BZG	II		
20	BZC	II		
21	BZCS	II		
22	MSDS	II		
23	BCOM Taxation	II		

Note: Any doubts contact @ TSKC Lab, NG College(A) Nalgonda


TSKC Co-Ordinator (Nodal)
N.G. College (A), NALGONDA



1 Online / Offline content

1. The online content of Spoken Tutorials can be accessed from :
<http://spoken-tutorial.org/tutorial-search/>
2. You can also download the Spoken Tutorials for offline learning from :
<http://spoken-tutorial.org/cdcontent/>
3. From this link download the FOSS categories in the language you wish to learn.
4. The Spoken Tutorial content will be downloaded as a zip file on your machine.
5. Extract the contents of the zip file & access them.

2 The procedure to practice

1. You have been given a set of spoken tutorials and files
2. You will typically do one tutorial at a time
3. Listen to spoken tutorial and reproduce all the steps shown in the video
4. If you find it difficult to do the above, you may consider listening to the *whole* tutorial once and then practice during the second hearing

3 GChemPaint

1. Click on "Select FOSS" or "All FOSS Categories" drop-down and choose "GChemPaint".
2. Click on "Select Language" or "All Languages" drop-down and choose the language (English, Hindi, Marathi ...) in which you wish to learn.
3. Click on "Submit" button.
4. You will see a list of tutorials based on your selection.
5. Start with the first tutorial in the displayed list.

4 First tutorial: Introduction to GChemPaint

1. Locate the topic Introduction to GChemPaint and click on it.
2. To view the tutorial, click on the Play icon which is located in the player.
3. The Pre-requisite will be visible below the player (only for Online contents).
4. Outline, Assignments, Code Files and Slides are available below the player.
5. Adjust the size of the browser in such a way that you are able to practice in parallel.
6. These tutorials are created on Linux Ubuntu, version 12.04
7. From 2.32 min to 2.46 min the tutorial shows how to open GChemPaint.
8. If you are unable to open GChemPaint as demonstrated, then open the Terminal by pressing CTRL, ALT and T keys simultaneously.
9. On the Terminal, type GChemPaint and press Enter. This will open GChemPaint.

4.1 Instructions for Practice

1. Create a folder on the "Desktop" with your "Name-RollNo-Component". (Eg. "madhuri-04-GChemPaint").
2. Give a unique name to the files you save, so as to recognize it next time. (Eg. "Practice-1-madhuri").
3. Remember to save all your work in your folder.
4. This will ensure that your files don't get over-written by someone else.
5. Save your work from time to time, instead of saving it at the end of the task.

4.2 Changes in GChemPaint Version 14.10

1. Use colored atomic symbols checkbox is added. This feature will colour the atoms according to Rasmol colours. This

is a new feature added in GChempaint Version 14.10.

2. Data tab's name is changed to Details tab.
3. A new sub-menu, MinMax is added.
4. MinMax has various sub-chart options, namely, Scattered Vertical MinMax Lines, Scattered Horizontal MinMax Lines, Scattered Marked Vertical MinMax Lines, Scattered Marked Horizontal MinMax Lines.
5. There are changes in the Pubchem web page. To show 3D conformer, we have to click on 3D Conformer link under Contents. Select Animate check box to rotate the structure.

4.3 Common instructions for Assignments

1. Attempt the Assignments as instructed in the tutorial.

2. Save your work in your folder.

4.4 Common instructions to use Code files

1. Click on the link "Code files" located below the player and save it in your folder.
2. Extract the downloaded zip file.
3. You will see all the code/source files used in the particular tutorial.
4. Use these files as per the instructions given in the particular tutorial.
5. Play-pause-practise the whole tutorial.
6. Once the tutorial is complete, choose the next tutorial from the playlist which is located on the right side or below the player.
7. Follow all the above instructions, till you complete all the tutorials in the series.



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A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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This is to certify that **DAIDA MAHESH** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

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This is to certify that **PASHAM SHIVANI** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

March 2nd 2022

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IIT Bombay



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Certificate of Participation

This is to certify that **PATHULOTHU VASANTHA** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

March 2nd 2022

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Certificate of Participation

This is to certify that **PRAVEEN KUMAR PERAM** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

March 2nd 2022

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Certificate of Participation

This is to certify that **PITTALACHITTI CHITTI** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **REGULAGADDA DEVENDAR** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **REGULAGADDA DIVYA** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **REKALA VIJAYA** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **RUBEENA TABASSUM** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **SADAM MADHAVI** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **AFREEN SHAIK** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **SHAIK ASIF** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **SHAIK KAREENA** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **ZUBAIR SHAIK** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **SOPPARI TEJASWI** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **THORAKOPPULA SHREYA** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **TOOBA MOIZ** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **UMMARA TABASSUM** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **VADDEPALLI ELLORA** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **CHIKKULA SHIVANI** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **GUNDEBOINA PRAVEEN** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **YASHWANTH MAGI** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **MEDIGA SATHWIK**A participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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A handwritten signature in black ink, appearing to read 'Kannan Moudgalya'.

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Certificate of Participation

This is to certify that **NANDYALA UDAY PRAKASH REDDY** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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This is to certify that **PRAVEEN KUMAR PERAM** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **PERKA SRILATHA** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **RAVULA BALARAJU** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **SANDRA NISHA** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **SHIKHA MEHVISH** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **THUDUM VINOD** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **TOOBA MOIZ** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **VEMULA OHMSAI** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **GADAM ASHWINI** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **MANOJKUMAR KANDULA** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **MUSOJU UPENDHAR CHARY** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **NEDUNGHAT VISHNU** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **UDDAGIRI VINODA** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **BATHULA CHAITHANYA** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **BEESAM BEESAM MOUNIKA** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **HEMALATHA BOLLAGONI** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **DEVARAKONDA NAVEEN** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **ERUGANTI VARYN** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **KOTAIAH JANAPATI** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **MARRI VENNELA** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **NEELAM NAVYA** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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A handwritten signature in black ink, appearing to read 'Kannan Moudgalya'.

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Certificate of Participation

This is to certify that **NOMULA KAVERI** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **NAVANEETHA PACHIPALA** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **KAVYA PUPPALA** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **RUBEENA TABASSUM** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **YARRABELLI PREETHI** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **YASMEEN YASMEEN** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **BOODIDHA PAVITHRA** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **BADETI THIRUMALESH** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **CHOLLETI GEETHA** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **JALA KALYANI** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **KOMPELly NAGAMANI** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **KONETI KOTESH** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **SHIVAVENI MARRI** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **PERUMALLA SOWMYA** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **SHAIK RIZWAN** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

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Certificate of Participation

This is to certify that **BATHULA MATHSYAGIRI** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

March 2nd 2022

Prof. Kannan M Moudgalya
IIT Bombay



Spoken Tutorial
Project at
IIT Bombay

Certificate of Participation

This is to certify that **DESHIDI SAI SHIVANI** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

March 2nd 2022

Prof. Kannan M Moudgalya
IIT Bombay



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Certificate of Participation

This is to certify that **MAHENDARKAR PUNITHA** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

March 2nd 2022

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IIT Bombay



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Certificate of Participation

This is to certify that **SURABHI MARUTHI PRASAD** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

March 2nd 2022

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Certificate of Participation

This is to certify that **VUNNAM PRASANNA** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

March 2nd 2022

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IIT Bombay



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Certificate of Participation

This is to certify that **HUSNA BEGUM** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

March 2nd 2022

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Certificate of Participation

This is to certify that **KODIDETI NAGADURGA** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

March 2nd 2022

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Certificate of Participation

This is to certify that **BANOTHU SAI SHIREESHA** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

March 2nd 2022

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Certificate of Participation

This is to certify that **MAMIDI GOUTHAM** participated in the **GChemPaint** training organized at **Nagarjuna Government College (Autonomous), Nalgonda** in **January 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **GChemPaint** were covered in the training.

March 2nd 2022

Prof. Kannan M Moudgalya
IIT Bombay