



**Department of Chemistry**  
**Government College Theog**  
**Report**



**Report on Remedial Classes Conducted for B.Sc. 1<sup>st</sup> and 3<sup>rd</sup> year Students**  
**Month: January 2026**

Remedial classes for B.Sc. students were conducted during the month of January 2026 with the objective of strengthening students' conceptual understanding and providing additional academic support. These classes were taken by Dr. Vikas Nathan and were aimed at bridging learning gaps and improving overall academic performance.

A total of 14 students from B.Sc. 1st Year and 7 students from B.Sc. 3rd Year attended these remedial sessions.

For B.Sc. 1st Year students, the remedial classes focused on the fundamental units of Atomic Structure and Chemical Bonding. Under Atomic Structure, important topics such as the Schrödinger Wave Equation, Slater's Rules, and Probability Distribution Curves were discussed in detail to help students understand the behavior of electrons in atoms and the concept of effective nuclear charge.

In the unit of Chemical Bonding, emphasis was laid on covalent bonding and its theoretical approaches. The Valence Bond Theory (VBT) was explained to illustrate bond formation through orbital overlap. The VSEPR (Valence Shell Electron Pair Repulsion) Theory was covered to help students predict molecular geometries, while the Molecular Orbital Theory (MOT) provided deeper insights into bonding and antibonding interactions.

Remedial sessions were also conducted for B.Sc. 3rd Year students, focusing on advanced topics in spectroscopy, particularly Nuclear Magnetic Resonance (NMR). Key concepts such as chemical shift, coupling, and splitting of signals were discussed to enhance students' understanding of molecular structure determination and spectral analysis.

The classes were interactive in nature, encouraging active participation, discussion, and doubt clarification. Practice questions and examples were incorporated to strengthen conceptual clarity.

The remedial classes proved to be highly beneficial for both B.Sc. 1st and 3rd year students. The initiative successfully enhanced their understanding of core



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and advanced topics, boosted confidence, and contributed positively to their academic progress. Such efforts will continue to support effective teaching and learning.

Vikas Nathan (You, presenting) Stop presenting

You are presenting

To avoid an infinity mirror, don't share your entire screen or browser window. Share just a tab or a different window instead.

Show my screen anyway Stop presenting

People

Add people

Contributors 4

- Vikas Nathan (You) Meeting host
- Vikas Nathan Your presentation
- Kritik Hanta
- Surman Vekta

3:05 PM | BSc 1st Year Remedial Class ...

Calendar Today < > January 7, 2024

Create

January 2026

Search for people

Working pages

Calendars

- Vikas Nathan
- B.Sc Third year Medical 2...
- B.Sc Third year Non-Med...

BSc 1st Year Remedial Class Organic

Wednesday, January 7 · 3:00 - 4:00pm

Join with Google Meet

meet.google.com/pkf-qiqd-kfk

BSc First Year GC Theog M NM 2025-26

Created by: Vikas Nathan

BSc 1st Year Remedial Class Organic 3 - 4pm

Chemistry BSc 1st 25-26

Bsc, Kritik, Prof, Samiksha, SANJEEDA, SUJAL, Sumanvekta, +91 62309 3...

Today

Bsc 1 Shikha Verma GCT

Ok sir 9:45 am

meet.google.com

<https://meet.google.com/pkf-qiqd-kfk>

meet.google.com

BSc 1st Year Remedial Class Organic

Wednesday, January 7 · 3:00 - 4:00pm

Time zone: Asia/Kolkata

Google Meet joining info

Video call link: <https://meet.google.com/pkf-qiqd-kfk> 3:00 pm

Type a message



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Calendar - Monday, Jan 19, 2024  
BSc 1st Year RC  
Monday, January 19 - 3:00 - 4:00pm  
Join with Google Meet  
meet.google.com/ozw-kdeu-mtg  
BSc First Year GC Theog M NM 2025-26  
Created by: Vikas Nathan

Chemistry BSc 1st 25-26  
BSc, Kritik, Prof, Samiksha, SANJEEEDA, SUJAL, Sumanvekta, +91 62309 3...  
numericals  
You: Online Class tomorrow at 3:00 pm.  
Be ready for the class 12:14 pm ✓  
Bsc 1 Shikha Verma GCT: Prof Anamika Ramchaik  
Revise what we have done till now and ask doubts. Try to solve numericals  
Ok mam 12:16 pm  
Bsc 1 Shikha Verma GCT: You  
Be ready for the class  
Yes Sir 12:16 pm  
Kritik BSc1 GCT 2025: Voice message  
Type a message

Chemistry BSc 1st 25-26  
BSc, Kritik, Prof, Samiksha, SANJEEEDA, SUJAL, Sumanvekta, +91 62309 3...  
numericals  
Ok mam 12:19 pm  
Kritik BSc1 GCT 2025: You  
Be ready for the class  
Ok sir 12:19 pm  
meet.google.com/ozw-kdeu-mtg  
https://meet.google.com/ozw-kdeu-mtg  
meet.google.com  
BSc 1st Year RC  
Monday, January 19 - 3:00 - 4:00pm  
Time zone: Asia/Kolkata  
Google Meet joining info  
Video call link: <https://meet.google.com/ozw-kdeu-mtg>  
Class Timings: 3:10 pm - 2:40 pm

Suman Vekta, Anuj Sharma, Niharika Sharma, Vikas Nathan  
BSc 1st Year RC

Anshita Mista, Sanjjeeda Sharma, Kritik Hanta, Vikas Nathan  
BSc 1st Year RC

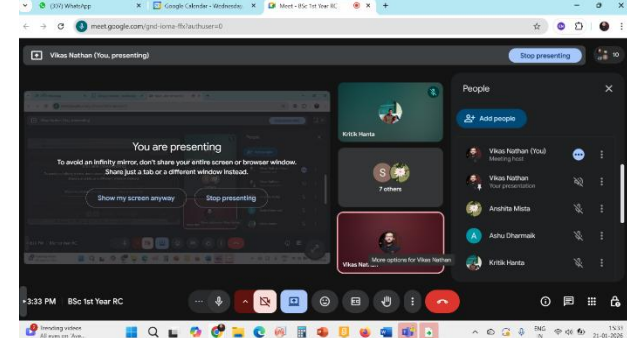
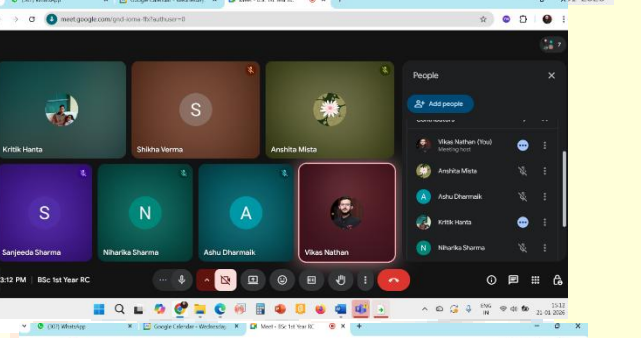
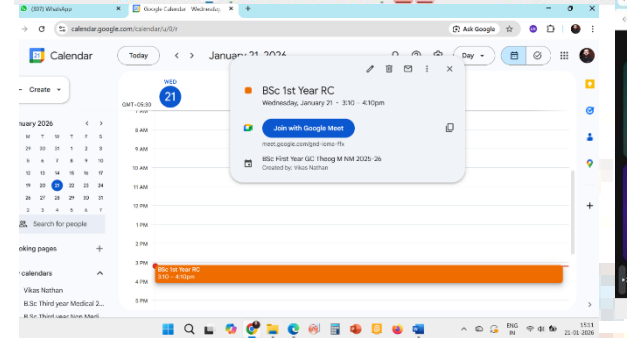
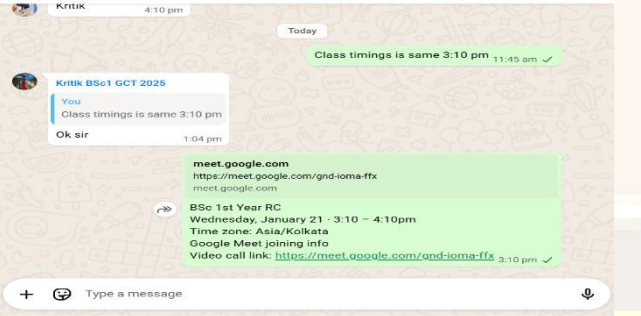
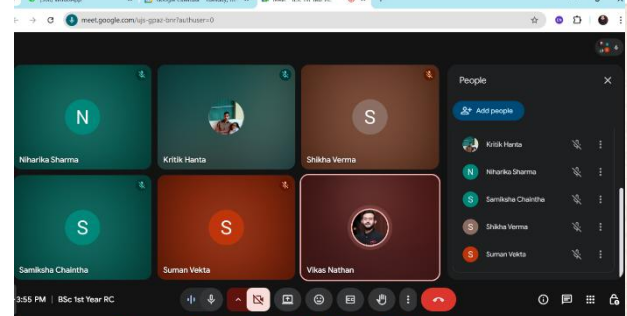
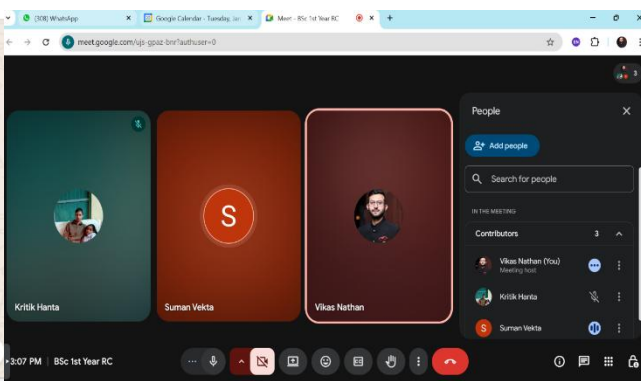
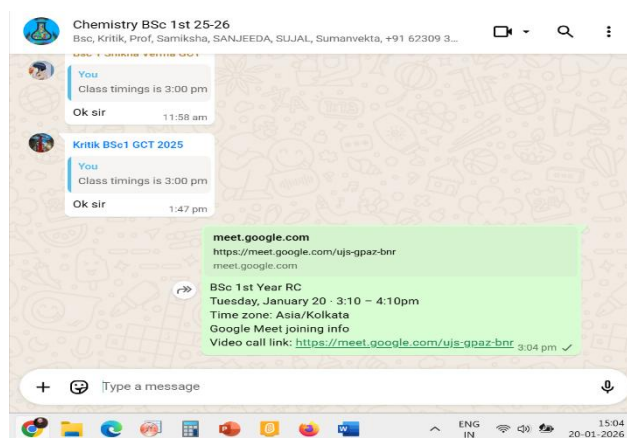
Picture-in-picture is open because you're screen sharing  
Using picture-in-picture lets you see others in the call while you screen share  
Bring the call back here  
Change automatic picture-in-picture setting  
Vikas Nathan (You, presenting)  
People: Vikas Nathan (You), Anshita Mista, Anuj Sharma, Kritik Hanta, Niharika Sharma, Sanjjeeda Sharma, Suman Vekta

You are presenting  
To avoid an infinity mirror, don't share your entire screen or browser window. Share just a tab or a different window instead.  
Show my screen anyway  
Stop presenting  
Anuj Sharma has left the meeting  
Vikas Nathan  
People: Kritik Hanta, Niharika Sharma, Sanjjeeda Sharma, Shikha Verma, Suman Vekta

Calendar - Tuesday, Jan 20, 2024  
BSc 1st Year RC  
Tuesday, January 20 - 3:10 - 4:10pm  
Join with Google Meet  
BSc First Year GC Theog M NM 2025-26



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The image displays a series of screenshots from a Google Calendar and Google Meet interface, documenting a class session for 'BSc 1st Year RC'.

- Calendar Screenshot:** Shows a calendar for January 2025. An event titled 'BSc 1st Year RC' is scheduled for Thursday, January 22, from 3:10 to 4:10 pm. A 'Join with Google Meet' button is visible.
- Google Meet Chat Screenshot:** Shows a chat window for the 'Chemistry BSc 1st 25-26' meeting. It contains messages with Google Meet links and class timings: 'BSc 1st Year RC Wednesday, January 21 - 3:10 - 4:10pm' and 'BSc 1st Year RC Thursday, January 22 - 3:10 - 4:10pm'. A message also states 'Class Timings 3:10 pm - 4:40 pm'.
- Google Meet Main View Screenshot (3:12 PM):** Shows the main meeting interface with a grid of participants: Kritik Hanta, Niharika Sharma, Sanjeeda Sharma, Shikha Verma, and Vikas Nathan. A 'People' sidebar lists all attendees.
- Google Meet Main View Screenshot (4:00 PM):** Shows the meeting in progress with participants Niharika Sharma, Samiksha Chairtha, and Vikas Nathan.
- Google Meet Main View Screenshot (3:13 PM):** Shows the meeting interface with participants Kritik Hanta, Niharika Sharma, Sanjeeda Sharma, Shikha Verma, Samiksha Chairtha, and Vikas Nathan.
- Google Meet Main View Screenshot (3:43 PM):** Shows Vikas Nathan presenting. A 'You are presenting' overlay is visible, with instructions: 'To avoid an infinity mirror, don't share your entire screen or browser window. Share just a tab or a different window instead.' Buttons for 'Show my screen anyway' and 'Stop presenting' are present.