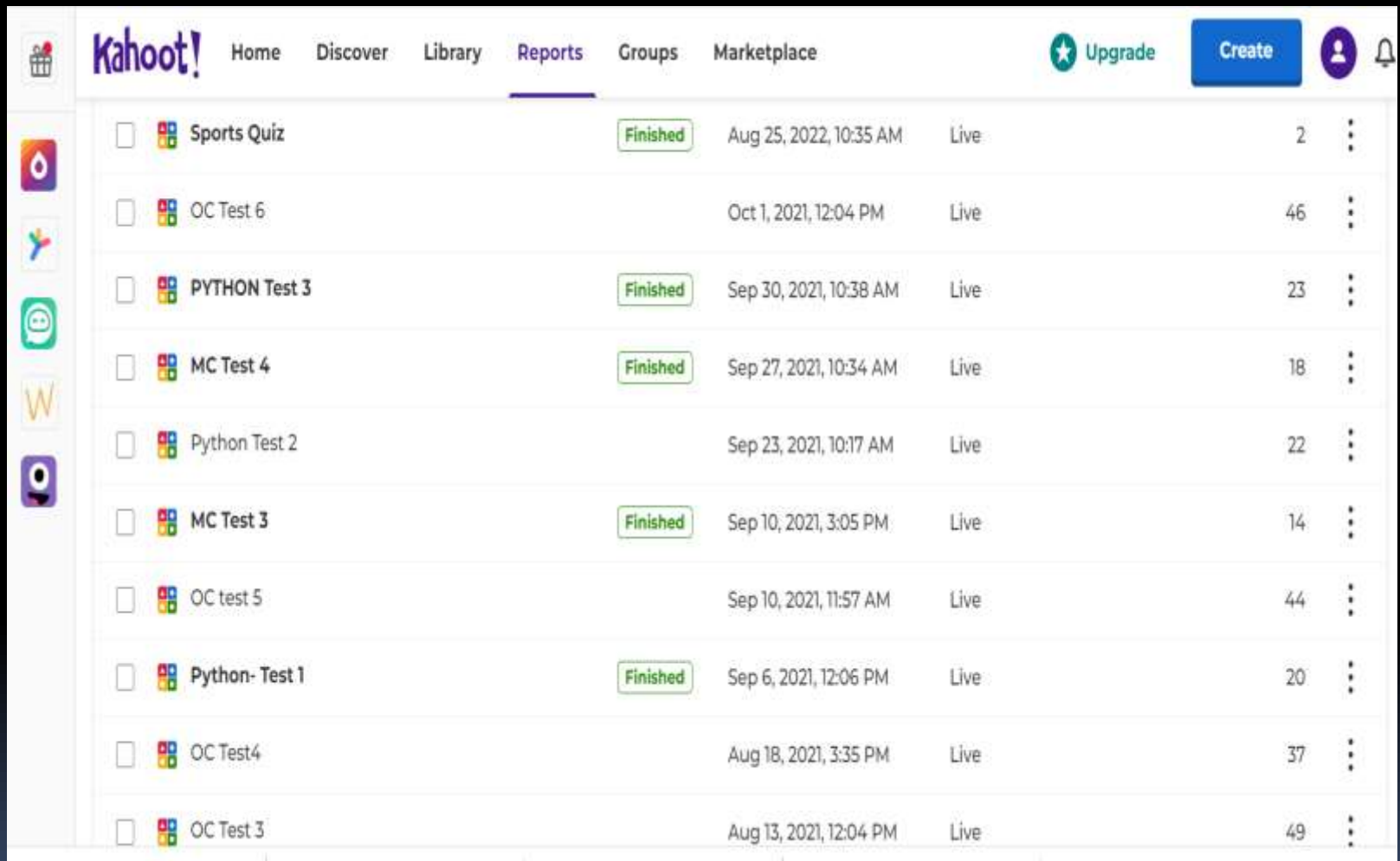




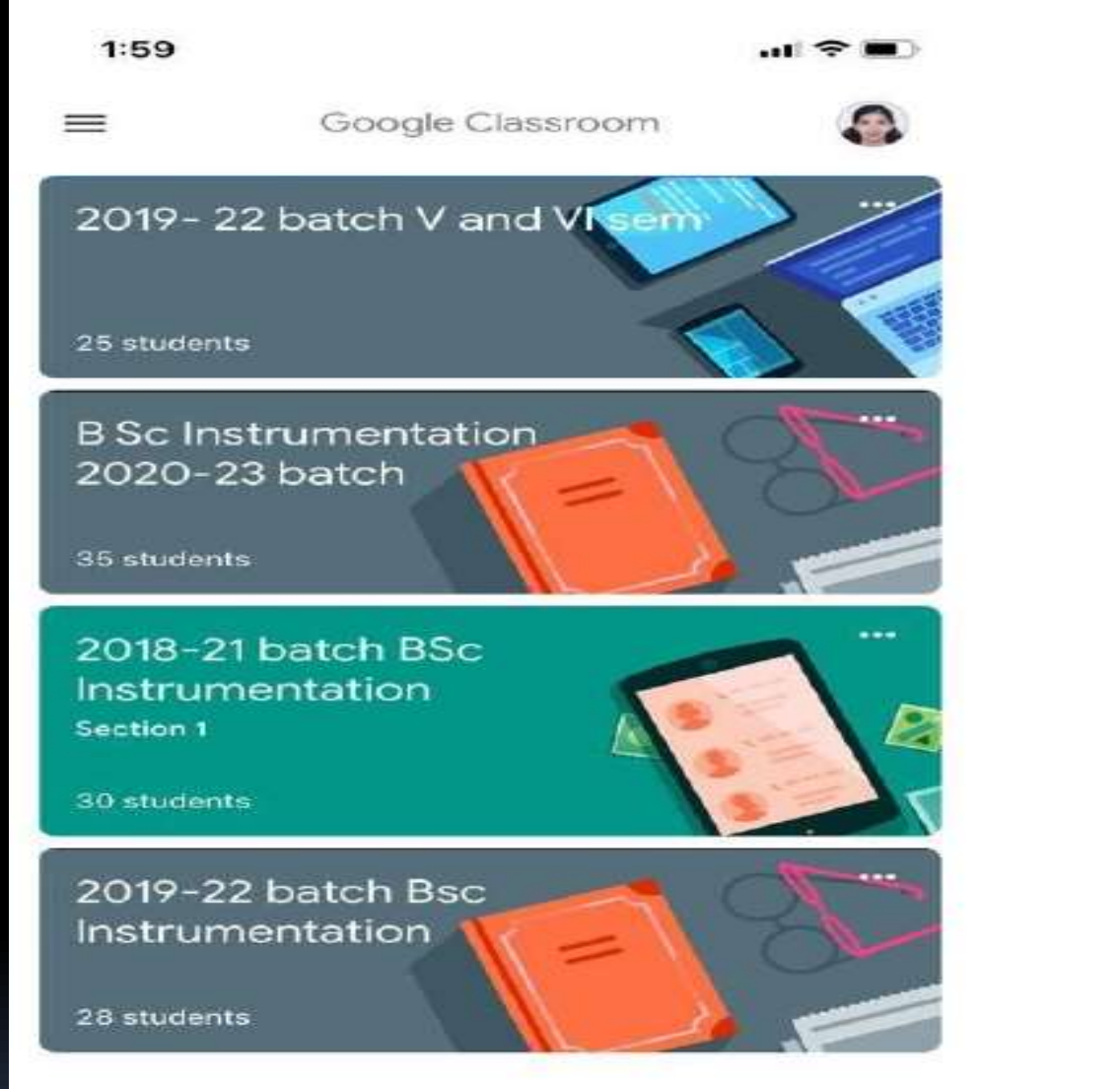
**ICT ENABLED
TEACHING LEARNING**

INSTRUMENTATION



The screenshot displays the Kahoot! Reports page. The navigation bar includes Home, Discover, Library, Reports (selected), Groups, and Marketplace. There are also buttons for Upgrade and Create, and a user profile icon. The main content is a table of quiz reports.

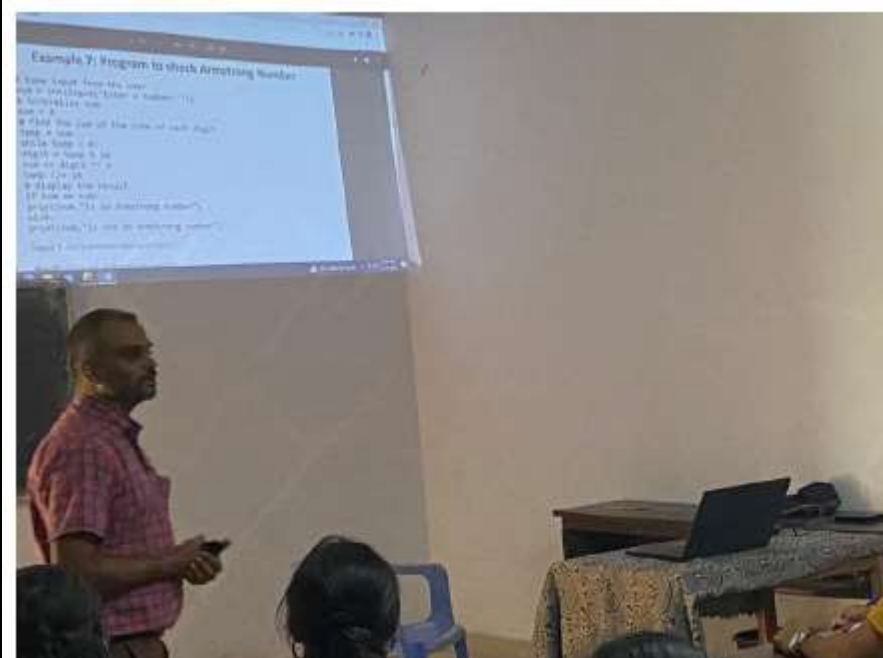
Quiz Name	Status	Date	Mode	Count
<input type="checkbox"/> Sports Quiz	Finished	Aug 25, 2022, 10:35 AM	Live	2
<input type="checkbox"/> OC Test 6		Oct 1, 2021, 12:04 PM	Live	46
<input type="checkbox"/> PYTHON Test 3	Finished	Sep 30, 2021, 10:38 AM	Live	23
<input type="checkbox"/> MC Test 4	Finished	Sep 27, 2021, 10:34 AM	Live	18
<input type="checkbox"/> Python Test 2		Sep 23, 2021, 10:17 AM	Live	22
<input type="checkbox"/> MC Test 3	Finished	Sep 10, 2021, 3:05 PM	Live	14
<input type="checkbox"/> OC test 5		Sep 10, 2021, 11:57 AM	Live	44
<input type="checkbox"/> Python- Test 1	Finished	Sep 6, 2021, 12:06 PM	Live	20
<input type="checkbox"/> OC Test4		Aug 18, 2021, 3:35 PM	Live	37
<input type="checkbox"/> OC Test 3		Aug 13, 2021, 12:04 PM	Live	49



<https://classroom.google.com/u/o/c/NDM4NzMoNzE5MjY5>

<https://classroom.google.com/c/MTA3NjkoNDkoMjkz?cjc=z63q2a9>

<https://classroom.google.com/u/o/c/MjlzMzA1Mjl3MTUw>



CHEMISTRY

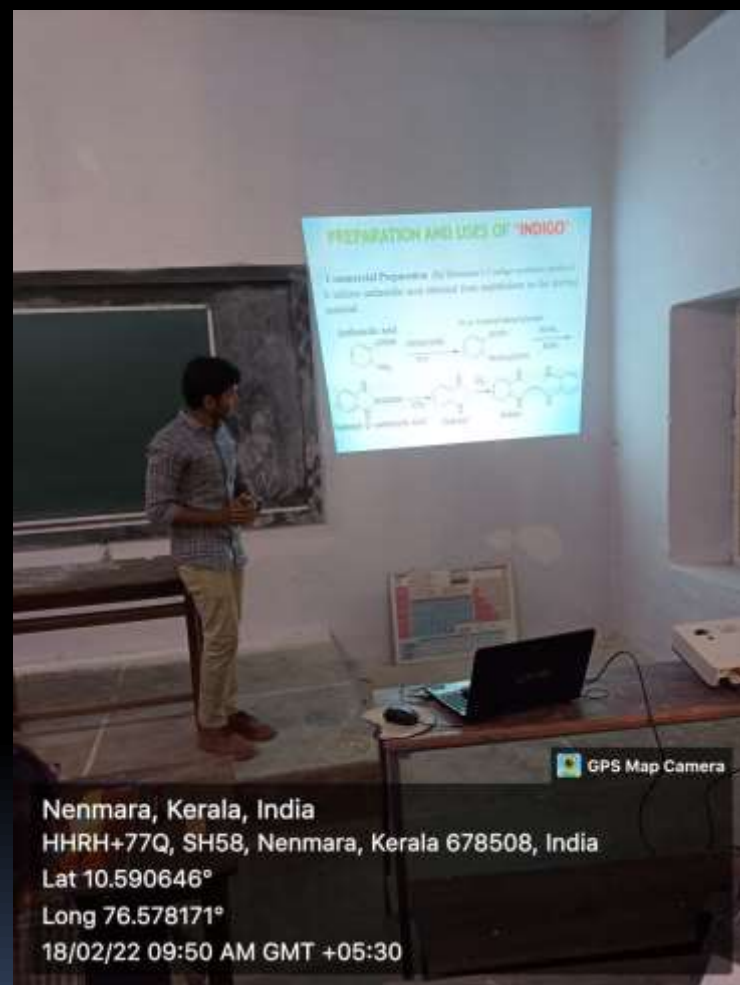


<https://classroom.google.com/c/MzM4ODk4NjUzMDk3>

<https://classroom.google.com/c/MTE4Nzg4ODgyOTM3>

<https://classroom.google.com/c/NTMyODczNTcyMTZa>

<https://classroom.google.com/c/NTMyNjUyNTkxMzRa>





<https://swayam.gov.in/explorer?searchText=chemistry>

NPTEL
 12 Weeks (Starts: 23-01-2023)
 Exam Date: 30 Apr, 2023
 Enrollment Ends: 30 Jan, 2023

https://onlinecourses.nptel.ac.in/noc23_cy05/preview



Approximate Methods In Quantum Chemistry

Prof Sabyashachi Mishra

IIT Kharagpur

NPTEL
 8 Weeks (Starts: 23-01-2023)
 Exam Date: 26 Mar, 2023
 Enrollment Ends: 30 Jan, 2023

https://onlinecourses.nptel.ac.in/noc23_cy25/preview



Basic Organic Chemistry

Biochemistry - IITM
 Prof. Subramaniam K
 IIT Madras

https://onlinecourses.nptel.ac.in/noc23_mx21/preview

NPTEL
 12 Weeks (Starts: 23-01-2023)
 Exam Date: 30 Apr, 2023
 Enrollment Ends: 30 Jan, 2023



Bioelectrochemistry

Prof. Mainak Das

IIT Kanpur

NPTEL
 4 Weeks (Starts: 23-01-2023)
 Exam Date: 26 Mar, 2023
 Enrollment Ends: 30 Jan, 2023

https://onlinecourses.nptel.ac.in/noc23_mx31/preview



Bioinorganic Chemistry

Prof. S. P. Rath

IIT Kanpur

NPTEL
 4 Weeks (Starts: 23-01-2023)
 Exam Date: 26 Mar, 2023
 Enrollment Ends: 30 Jan, 2023



Chemistry - II

Prof. K. Mangala Sunder

IIT Madras

NPTEL
 8 Weeks (Starts: 23-01-2023)
 Exam Date: 26 Mar, 2023
 Enrollment Ends: 30 Jan, 2023

https://onlinecourses.nptel.ac.in/noc23_cy08/preview



Chemistry Of Main Group Elements

Prof. M. S. Balakrishna

IIT Bombay

NPTEL
 12 Weeks (Starts: 23-01-2023)
 Exam Date: 30 Apr, 2023
 Enrollment Ends: 30 Jan, 2023

https://onlinecourses.nptel.ac.in/noc23_cy14/preview



Chemistry XI Part-I



e-PG Pathshala is an initiative of the MHRD under its National Mission on Education through ICT (NME-ICT) being executed by the UGC.

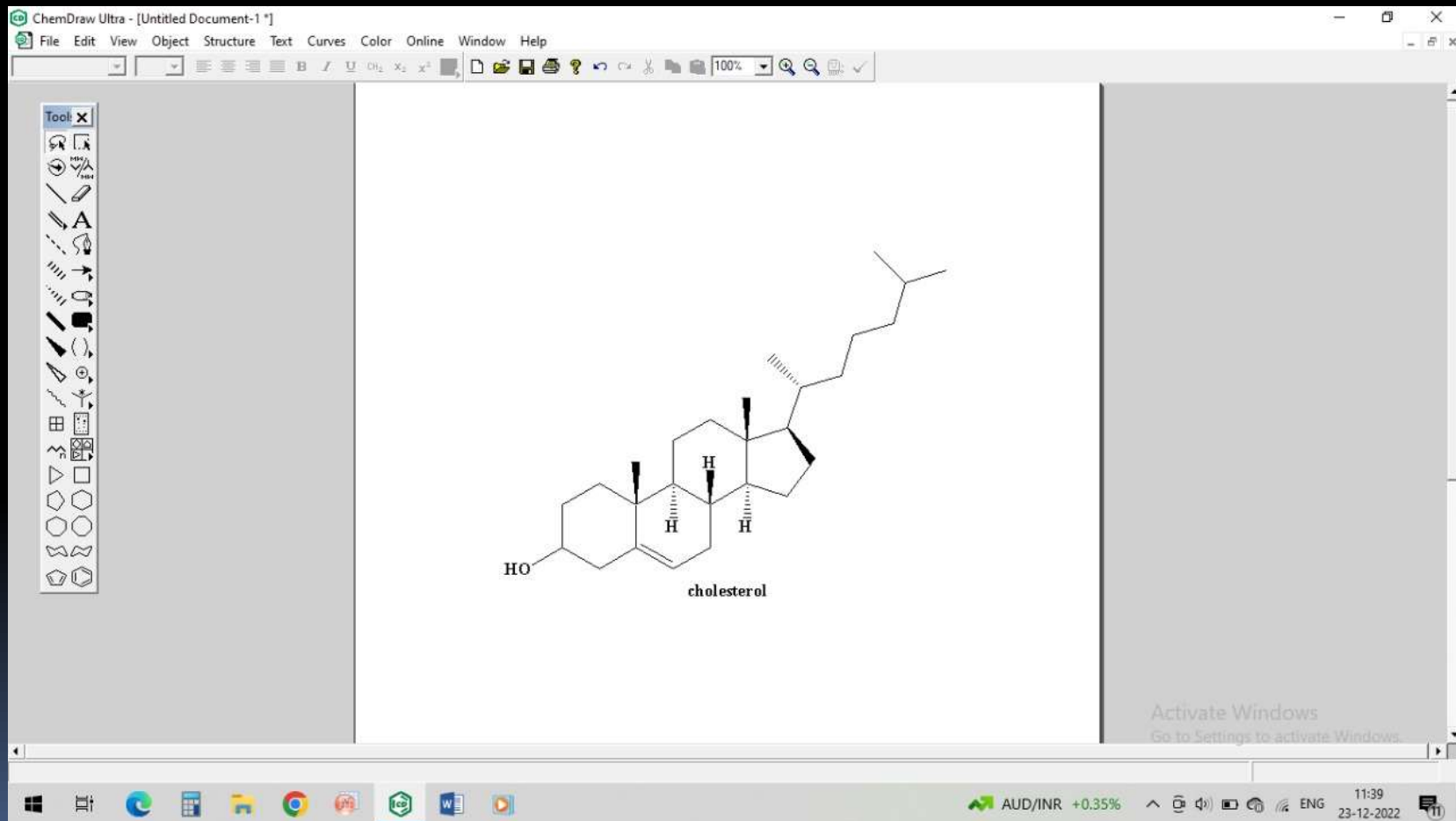
<https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=oYyNXHI8GPO8SUQIUYNtTA==>

<https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=13G8VouhmrFfuhs6rkiyTA==>

<https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=9RA537jM1m7VD3VCoav4IQ==>

<https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=ZLCHeZEhCZ8yCri36nSF3A==>

CHEM DRAW



Games software

The screenshot displays the Gamess software interface. At the top, there is a menu bar with options: File, Edit, View, Builder, Molecule, Subwindow, and Help. Below the menu bar is a toolbar with icons for View, Select, and Edit. The main window contains a 'Builder Tools' panel with a 'Periodic Table' tab. The periodic table is shown with the element Carbon (C) selected. The 'Selected Element: C' is displayed, along with a 'Coordination number' dropdown set to 4 and a 'Number of lone pairs' dropdown set to 0. The periodic table includes elements from Hydrogen (H) to Oganesson (Og), with the f-block elements (lanthanides and actinides) shown separately below the main table. The Windows taskbar is visible at the bottom, showing the system tray with the date and time (23-12-2022, 11:48) and the language set to ENG. A watermark 'Activate Windows' is present in the bottom right corner.

Builder Tools

Periodic Table Prototypes

Selected Element: C

Coordination number: 4

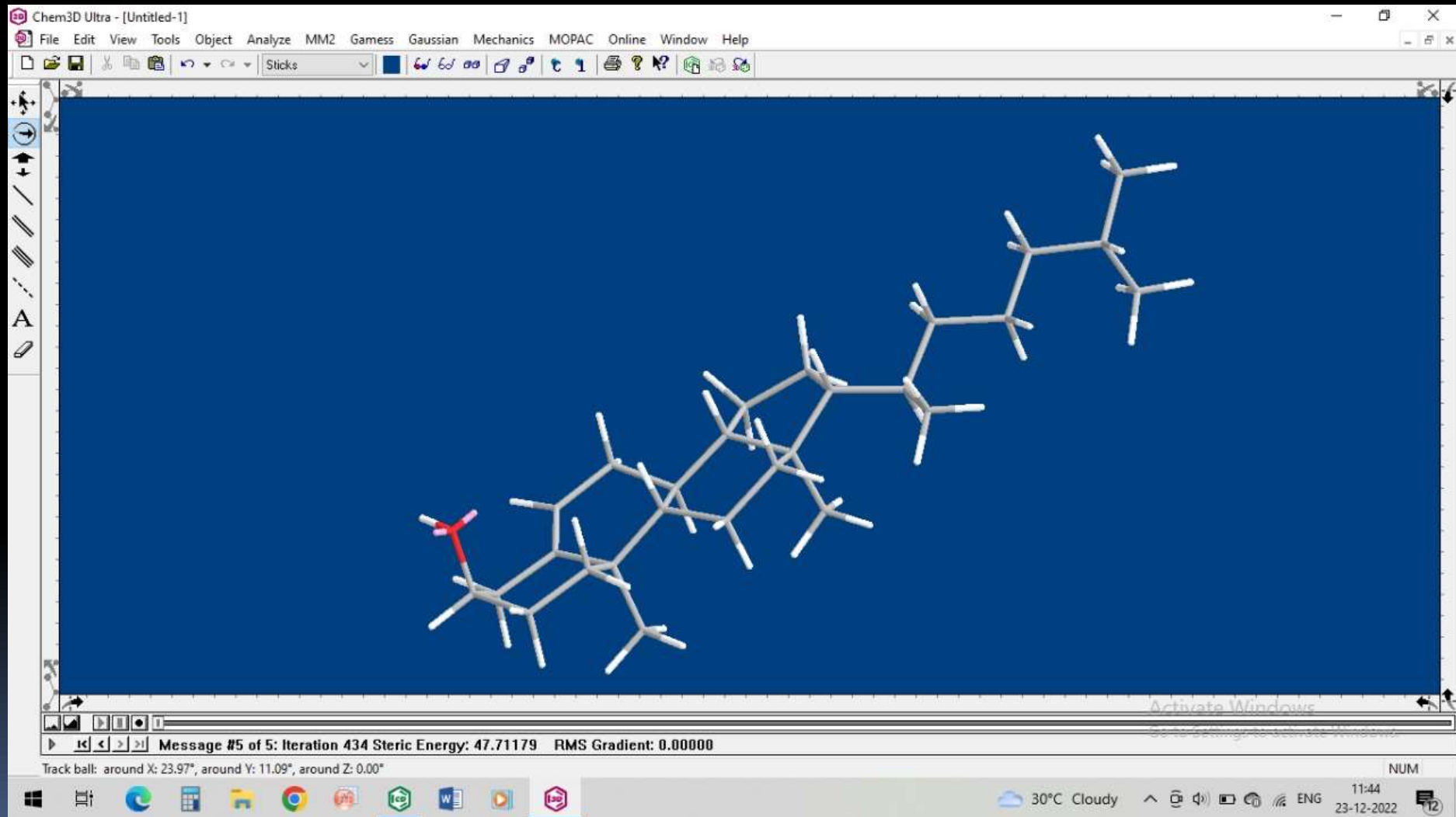
Number of lone pairs: 0

H																	He
Li	Be											B	C	N	O	F	Ne
Na	Mg											Al	Si	P	S	Cl	Ar
K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr
Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe
Cs	Ba	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn
Fr	Ra	Ac	Rf	Db	Sg	Bh	Hs	Mt	Ds	Rg	Cn						
Ce	Pr	Nd	Pm	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu				
Th	Pa	U	Np	Pu	Am	Cm	Bk	Cf	Es	Fm	Md	No	Lr				

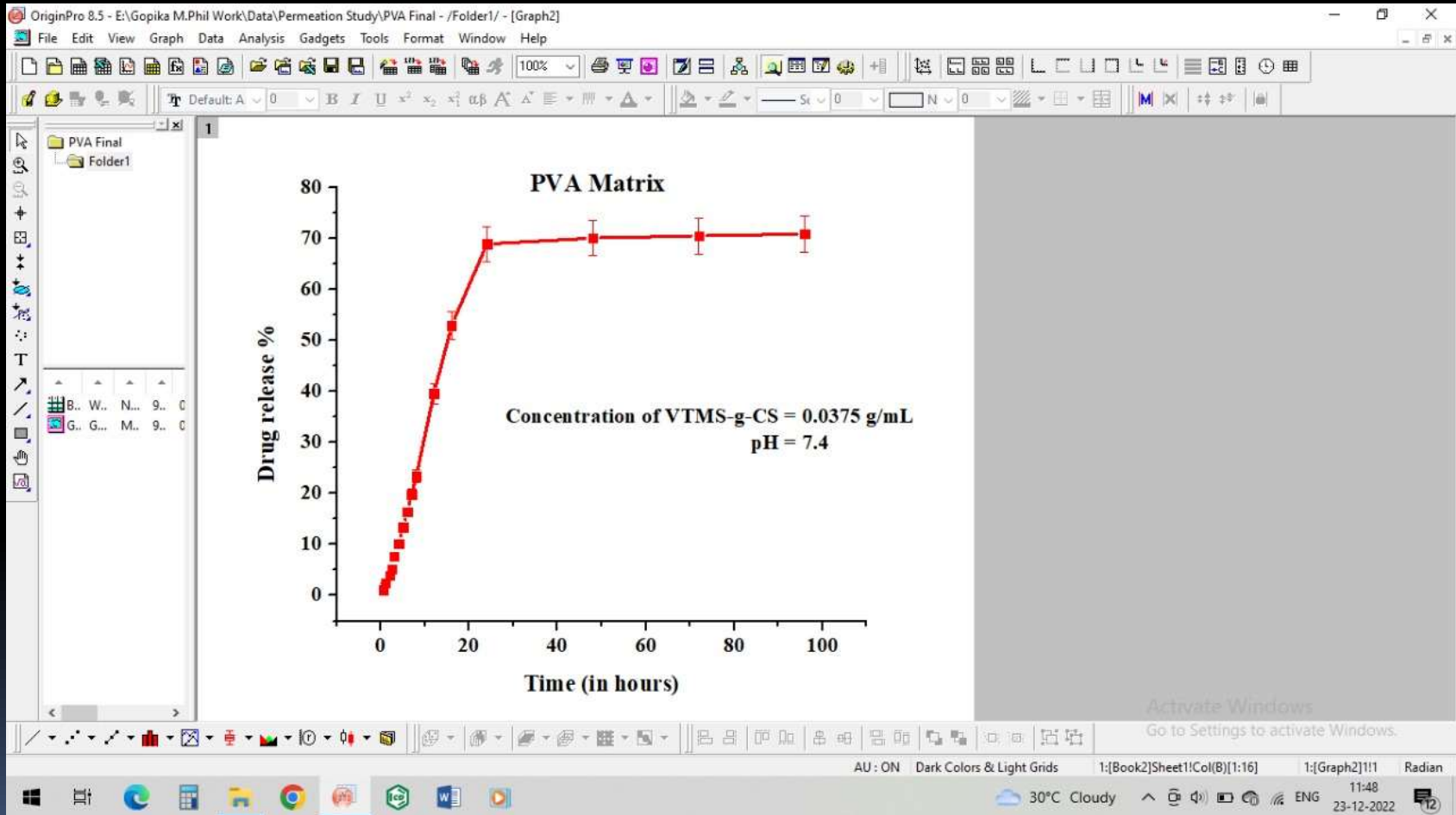
Frame 1 of 1

30°C Cloudy 11:48 23-12-2022 ENG

Chem 3D ultra



Origin software



Dr Anoop S

<https://www.youtube.com/watch?v=EuPKUF3waRA>
<https://www.youtube.com/watch?v=e0mg1-lMKvw>
<https://www.youtube.com/watch?v=Ibv5LGSeXjw>
<https://www.youtube.com/watch?v=RbJAdroWzfk>
<https://www.youtube.com/watch?v=CleOawMVdgl>
<https://www.youtube.com/watch?v=CleOawMVdgl>

Dr Ambili VK

<https://youtube.com/channel/UCvyFFKStz-PLQzqyUmaJk2A>
<http://youtu.be/IU6sBiaILa8>
<https://youtu.be/N67akKePflg>

Dr Aswathy LB

<https://drive.google.com/file/d/175yxhjdSZ9WkyJ7uw3lfqUHIIJ4qSIIF/view?usp=sharing>
<https://drive.google.com/file/d/1a5xY6FpQTdpCi6PnJENfcOBd9j--IvOo/view?usp=sharing>
<https://drive.google.com/file/d/1S8ZZy0U6fGPNxDRBNEMqabSI40m0L4zi/view?usp=sharing>

Dr Priya S

<https://www.youtube.com/watch?v=AarjSOBYgRw>

<https://www.youtube.com/watch?v=7ePe-1yHDgA>

<https://www.youtube.com/watch?v=4vP5JFbqVo4&t=35s>

<https://www.youtube.com/watch?v=4vP5JFbqVo4&t=35s>

<https://www.youtube.com/watch?v=lcRLtLJB14w&t=1083s>

<https://www.youtube.com/watch?v=8FEt6l7BAzQ&t=1367s>

ICT LEARNING-ZOOLOGY DEPARTMENT 2021-22



The image shows a browser window displaying the Molbiotools website. The browser's address bar shows the URL "molbiotools.com". The website's header includes the Molbiotools logo and the text "Molecular Biology Tools". The main heading is "DNA Sequence Tools". Below this, the "Restriction Analyzer" tool is highlighted. The tool's interface includes a diagram of a DNA sequence with restriction sites, a table for site identification, and a gel electrophoresis simulation.

Restriction Analyzer

Carry out *in silico* restriction analysis online. Quickly find absent and unique sites. Tabular and graphical output. Analyze restriction fragments. Simulate a gel electrophoresis.

ONLINE GRAPHICS

Software

- [WINDOWS- & JAVA or PERL-BASED PROGRAMS](#) - free molecular biology programs

GenBank

- [DOWNLOADING SEQUENCES FROM GENBANK & MANIPULATING THEM IN BIOEDIT](#)

[The Bio-Web](#): Resources for Molecular and Cell Biologists is a non-commercial, educational site with the only purpose of facilitating access to biology-related information over the internet.

Random Sequence Generator



Generate random DNA, RNA or protein sequences. Based on the Mersenne Twister algorithm. No unwanted repeats are generated even in very long sequences. Can be used for calculations of DNA, RNA and protein molecular weights and for string reverse and complement transformations (also with user-provided sequences).

Metabolomics

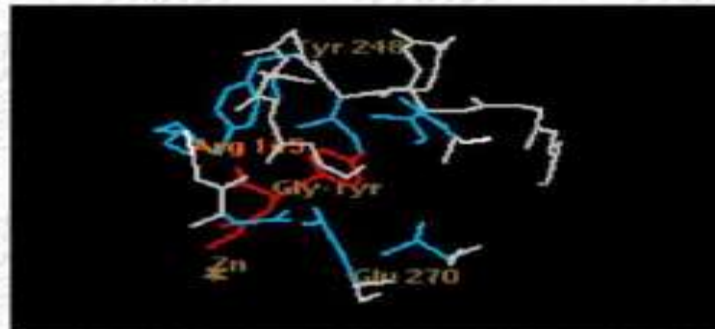
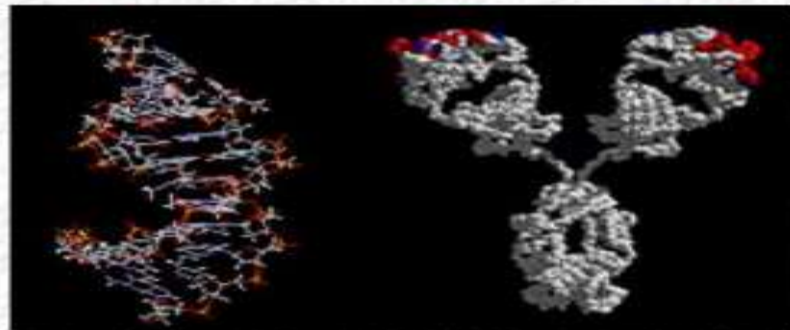
- [TOOLS FOR METABOLOMIC RESEARCH](#)

Protein sequence analysis

- [ALIGNMENTS](#)
- [COMPOSITION & CHEMISTRY](#)
- [HOMOLOGY SEARCHES](#)
- [MOTIFS](#)
- [PHYLOGENY](#)
- [QUATERNARY STRUCTURE PREDICTIONS](#)
- [SECONDARY STRUCTURE PREDICTIONS](#)
- [TERTIARY STRUCTURE PREDICTIONS](#)



ONLINE ANALYSIS TOOLS (INTERNET RESOURCES for MOLECULAR BIOLOGISTS)



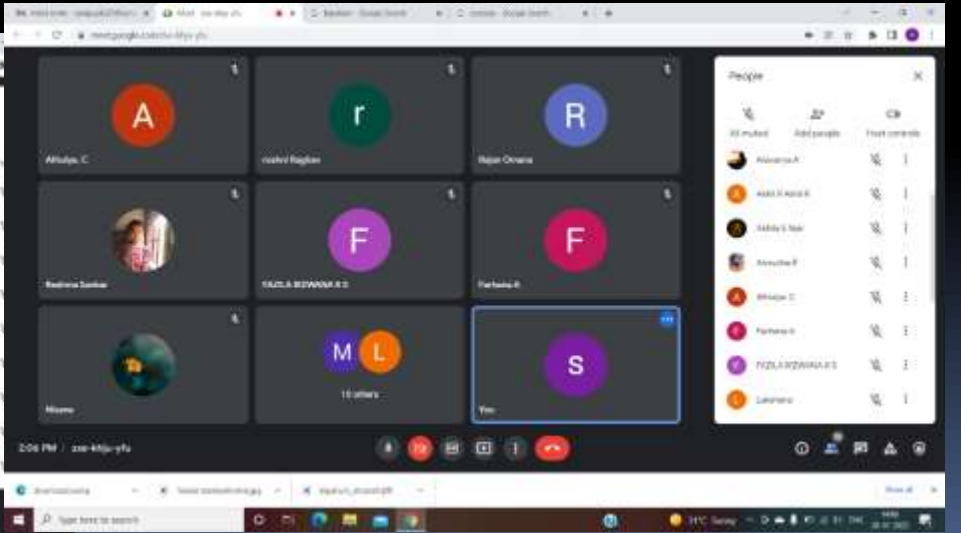
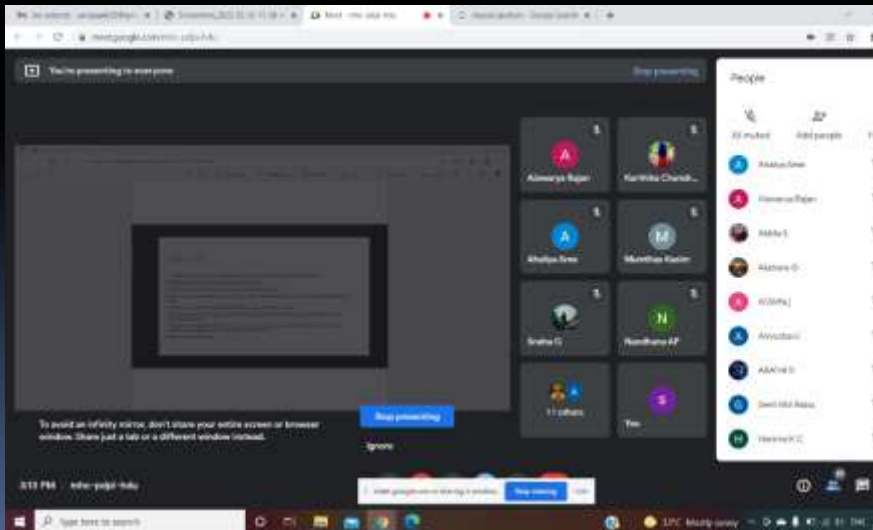
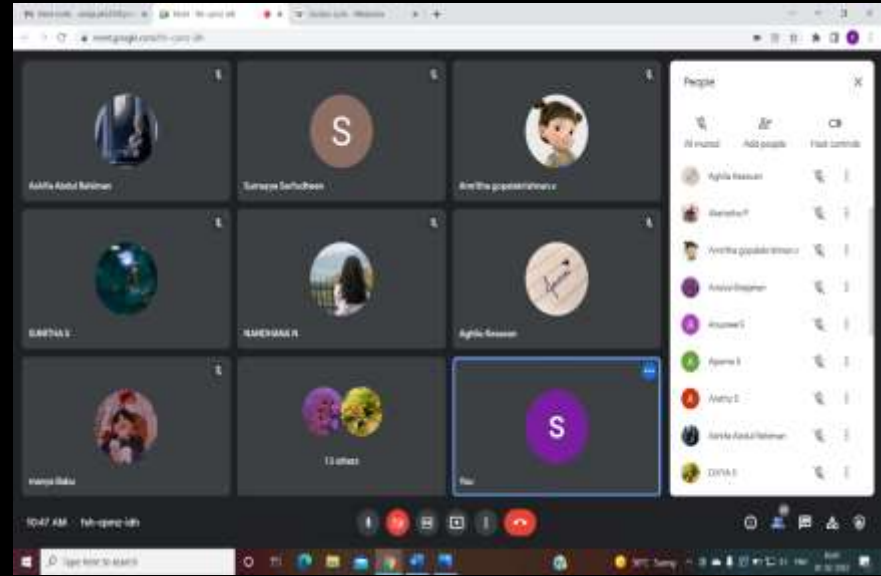
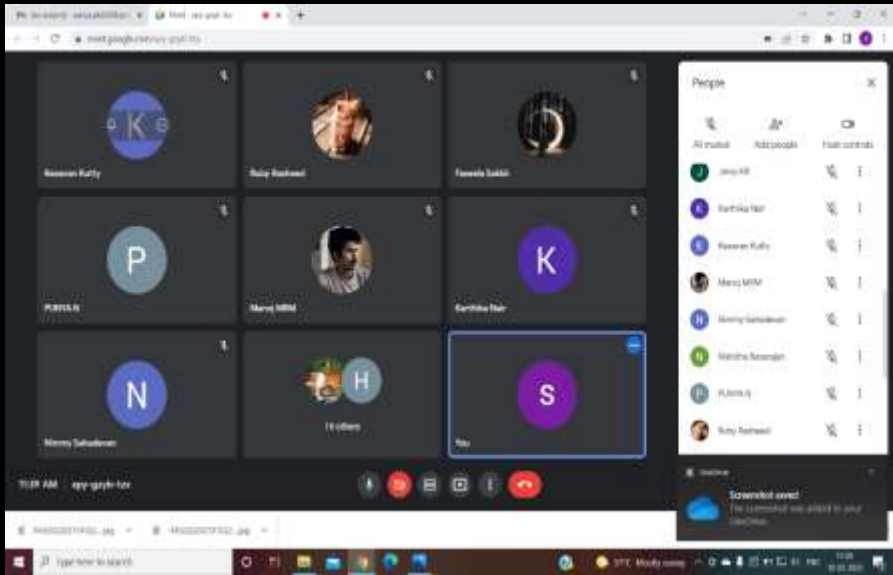
Analysis of nucleotide and protein sequence data was initially restricted to those with access to complicated mainframe or expensive desktop computer programs (for example PC/GENE,

DNA sequence analysis

- ALIGNMENTS
- CONVERT SEQUENCE (upper to low case, complement, reverse, RNA to DNA)
- COMPOSITION
- DNA MOTIFS
- HOMOLOGY SEARCHES
- MELTING TEMPERATURE (T_m)
- PCR PRIMER DESIGN
- PHYLOGENY
- PROMOTERS
- REPEATS & SECONDARY STRUCTURE
- RESTRICTION ENDONUCLEASE SITES
- TRANSLATION (GENERAL)
- TRANSLATION (EUKARYOTIC GENES)
(identification of introns and exons)
- TRANSCRIPTION FACTORS

Genomics

- TOOLS FOR WHOLE GENOME ANALYSIS



Department of english

