



ज्ञानं परमं बलम्



GOVT. MADHAV SCIENCE COLLEGE, UJJAIN

A GRADE ACCREDITED THROUGH NAAC

DST-FIST SUPPORTED

AFFILIATED TO VIKRAM UNIVERSITY UJJAIN

IN FRONT OF POLYTECHNIC COLLEGE DEWAS ROAD, UJJAIN



SAMPLE MOOCS SUGGESTED TO STUDENT

virtual lecture hall
NMR
Class code kxhyzak

Stream Classwork People Marks

Upcoming
No work due in soon
View all

Announce something to your class

Kalpana Singh posted a new material: NMR Spectroscopy by Jacobsen
22 May

Kalpana Singh
6 May
virtual lecture hall
Thursday, 6 May: 4:00 – 5:00pm
Google Meet joining info
Video call link: <https://meet.google.com/trz-qjz-faxf>

Principles and Applications of NMR Spectroscopy

Url Link :-

Instruction to NMR Spectroscopy

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRspectroscopy-IISc-Bangalore/lecture-01.html>

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRspectroscopy-IISc-Bangalore/lecture-02.html>

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRspectroscopy-IISc-Bangalore/lecture-03.html>

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRspectroscopy-IISc-Bangalore/lecture-04.html>

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRspectroscopy-IISc-Bangalore/lecture-05.html>

Chemical Shifts and J-Coupling

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRspectroscopy-IISc-Bangalore/lecture-06.html>

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRspectroscopy-IISc-Bangalore/lecture-07.html>

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRspectroscopy-IISc-Bangalore/lecture-08.html>

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRspectroscopy-IISc-Bangalore/lecture-09.html>

Signature Not Verified
ARPAN BHARDWAJ
E=ARPANBHARDW
AJ11@GMAIL.COM,

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRSpectroscopy-IISc-Bangalore/lecture-10.html>

One-Dimensional Proton NMR

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRSpectroscopy-IISc-Bangalore/lecture-11.html>

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRSpectroscopy-IISc-Bangalore/lecture-12.html>

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRSpectroscopy-IISc-Bangalore/lecture-13.html>

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRSpectroscopy-IISc-Bangalore/lecture-14.html>

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRSpectroscopy-IISc-Bangalore/lecture-15.html>

One Dimensional NMR of X-nuclei (^{13}C , ^{15}N , ^{31}P and ^{19}F)

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRSpectroscopy-IISc-Bangalore/lecture-16.html>

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRSpectroscopy-IISc-Bangalore/lecture-17.html>

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRSpectroscopy-IISc-Bangalore/lecture-18.html>

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRSpectroscopy-IISc-Bangalore/lecture-19.html>

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRSpectroscopy-IISc-Bangalore/lecture-20.html>

Homonuclear 2D NMR

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRSpectroscopy-IISc-Bangalore/lecture-21.html>

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRSpectroscopy-IISc-Bangalore/lecture-22.html>

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRSpectroscopy-IISc-Bangalore/lecture-23.html>

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRSpectroscopy-IISc-Bangalore/lecture-24.html>

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E=ARPANBHARDW
AJ11@GMAIL.COM,

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRSpectroscopy-IISc-Bangalore/lecture-25.html>

Heteronuclear 2D NMR

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRSpectroscopy-IISc-Bangalore/lecture-26.html>

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRSpectroscopy-IISc-Bangalore/lecture-27.html>

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRSpectroscopy-IISc-Bangalore/lecture-28.html>

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<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRSpectroscopy-IISc-Bangalore/lecture-30.html>

Structure Determination of Molecules

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRSpectroscopy-IISc-Bangalore/lecture-31.html>

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRSpectroscopy-IISc-Bangalore/lecture-32.html>

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<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRSpectroscopy-IISc-Bangalore/lecture-35.html>

Advanced Topics (Solvent Suppression, Drug Discovery, DOSY)

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRSpectroscopy-IISc-Bangalore/lecture-36.html>

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRSpectroscopy-IISc-Bangalore/lecture-37.html>

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRSpectroscopy-IISc-Bangalore/lecture-38.html>

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Signature Not Verified
ARPAN BHARDWAJ
E=ARPANBHARDW
AJ11@GMAIL.COM,

<http://www.infocobuild.com/education/audio-video-courses/chemistry/PrinciplesOfNMRspectroscopy-IISc-Bangalore/lecture-40.html>

[Infrared Spectroscopy](#)

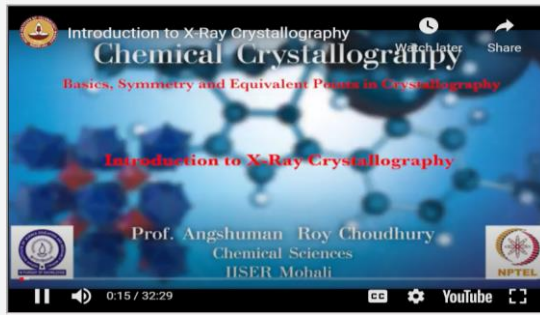
Signature Not Verified
ARPAN BHARDWAJ
E=ARPANBHARDW
AJ11@GMAIL.COM,

INTRODUCTION TO X-RAY CRYSTALLOGRAPHY

<https://nptel.ac.in/courses/104/106/104106093/>

By Prof Angshuman Roy Choudhary

Week 1
Introduction to X-Ray Crystallography
Sources of X-Rays, Crystal Systems and Bravais lattices
Crystallographic Symmetries
Equivalent Points and 1D Lattices
5 Fold Symmetry and 2D Lattices

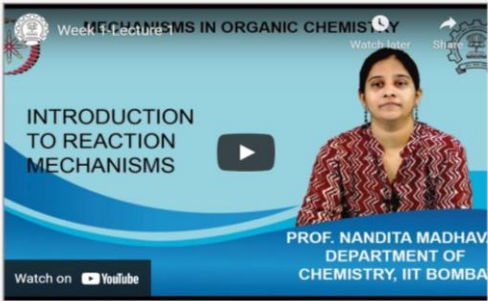


2. INTRODUCTION TO REACTION MECHANISMS

<https://nptel.ac.in/courses/104/101/104101115/>

By Prof. Nandita Madhav

Modules / Lectures
Week 1
Lecture 1 : Introduction to Reaction Mechanisms
Lecture 2 : Writing Reaction Mechanisms: Arrow pushing
Lecture 3 : Types of Polar Reactions
Lecture 4 : The Radical Reactions



3. MOLECULES IN MOTION

<https://nptel.ac.in/courses/104/105/104105093/>

By Dr. Amita Pathak

Modules / Lectures
MODULE 1
Lecture 01: Kinetic theory of gases
Lecture 02: Kinetic theory of gases (Contd.)
Lecture 03: Kinetic theory of gases (Contd.)
Lecture 04: Kinetic theory of gases (Contd.)
Lecture 05: Kinetic theory of gases (Contd.)



Department of Computer Science&Application

1. INTRODUCTION TO C++ <https://nptel.ac.in/courses/106/101/106101208/>

PROF. ABHIRAM RANADE

Modules / Lectures	
WEEK 1	<ul style="list-style-type: none">Lecture 1 : IntroductionLecture 2 : Introduction (Contd.)Lecture 3 : Introduction (Contd.)Lecture 4 : Introduction (Contd.)Lecture 5 : Introduction (Contd.)
WEEK 2	
WEEK 3	
WEEK 4	
WEEK 5	
WEEK 6	
WEEK 7	
WEEK 8	
WEEK 9	
WEEK 10	
WEEK 11	
WEEK 12	



2. INTRODUCTION TO OPERATING SYSTEM

<https://nptel.ac.in/courses/106/105/106105214/>

PROF SANTANU CHATTOPADHYAY

Modules / Lectures	
WEEK 1	<ul style="list-style-type: none">Lecture 1 : IntroductionLecture 2 : Introduction (Contd.)Lecture 3 : Introduction (Contd.)Lecture 4 : Introduction (Contd.)Lecture 5 : Introduction (Contd.)
WEEK 2	
WEEK 3	
WEEK 4	
WEEK 5	
WEEK 6	
WEEK 7	
WEEK 8	
WEEK 9	
WEEK 10	
WEEK 11	
WEEK 12	



3. INTRODUCTION TO DATA BASE MANAGEMENT SYSTEM

<https://nptel.ac.in/courses/106/105/106105175/>

PROF PARTHA PRATIM DAS

The image shows a screenshot of the NPTEL course page for 'Database Management System' by Prof. Partha Pratim Das. On the left, there is a 'Modules / Lectures' sidebar with a tree view for Week 1, including lectures on Course Overview, Introduction to DBMS/1, Introduction to DBMS/2, Introduction to Relational Model/1, and Introduction to Relational Model/2. The main content area displays a video player for the 'COURSE OVERVIEW' lecture, featuring a play button and a thumbnail of Prof. Partha Pratim Das. The video player interface includes 'Watch later' and 'Share' buttons at the top right and 'Watch on YouTube' and 'PROF. PARTHA PRATIM DAS, IIT KHARAGPUR' at the bottom.

4. INTRODUCTION TO FUNDAMENTALS OF COMPUTER

<https://nptel.ac.in/courses/106/105/106105163/>

The image shows a screenshot of the NPTEL course page for 'Introduction to Fundamentals of Computer' by Prof. Partha Pratim Das. On the left, there is a 'Modules / Lectures' sidebar with a tree view for Week 1, including lectures on Evolution of Computer Systems, Basic Operation of a Computer, Memory Addressing and Languages, Software and Architecture Types, and Instruction Set Architecture. The main content area displays a video player for the 'Lecture 1 : Evolution of Computer Systems' lecture, featuring a play button and a thumbnail of Prof. Partha Pratim Das. The video player interface includes 'Watch later' and 'Share' buttons at the top right and 'Watch on YouTube' at the bottom.

5.INTRODUCTION TO THEORY OF COMPUTATIONS

<https://nptel.ac.in/courses/106/104/106104148/>

Modules / Lectures
Week 1
◦ Introduction to Finite Automata
Basic Notation and Convention, DFA Edit Lesson
Example of DFAs
Computation by DFA and Regular operation
Introduction to Nondeterminism
Week 2
Week 3
Week 4
Week 5
Week 6
Week 7
Week 8
Live Session

