

MICROSOFT TEAMS

The screenshot shows a Microsoft Teams meeting recording player. The video player displays a title slide with the following text: "BT 202: Immunology & Immunotechnology", "2021-07-12 08:48 UTC", "Presented by: Dr. SB. Sainath", "Organized by: Dr. SB. Sainath", and "General". The video progress bar shows 0:00 / 46:04. Below the video player, the recording details are: "BT 202: Immunology & Immunotechnology", "July 12, 2021", "No expiration", "23 views", "Dr. SB. Sainath", "General > Recordings". The Windows taskbar at the bottom shows the time as 3:41 PM on 3/24/2023.

The screenshot shows a Microsoft Teams meeting recording player displaying a PowerPoint slide. The slide title is "Cytokines and cell-cell contacts at each stage of differentiation are different". The diagram illustrates the differentiation of B cells from an "Early pro-B" cell to a "Late pro-B" cell and finally to a "Pre-B" cell, all resting on a "Stromal cell". "Interleukin-7 receptor" is shown on the Early pro-B and Late pro-B cells, while "Interleukin-7 Growth factor" is shown on the Pre-B cell. The video progress bar shows 5:27 / 46:04. Below the video player, the recording details are: "BT 202: Immunology & Immunotechnology", "July 12, 2021", "No expiration", "25 views", "Dr. SB. Sainath", "General > Recordings". The Windows taskbar at the bottom shows the time as 3:37 PM on 3/24/2023.

Microsoft Teams

BT 202: Immunology & Immunotechnology

2021-07-12 08:48 UTC

Recorded by: Dr. SB. Sainath | Organized by: Dr. SB. Sainath | Channel: General

0:00 / 46:04

3.1.2_policy_document_or6vDw...

Heavy and light chain rearrangement is potentially wasteful

V	D	J	C	Germine	<p>Large pre-B</p>
V	D _H	J _H	C	D _H -J _H joining	
V	D _H	J _H	C	V _H -D _H -J _H joining	

With two "random" joins to generate a heavy chain there is a 1:9 chance of a rearrangement being in frame

V	D	J	C	Germine	<p>Small pre-B</p>
V	D	J	C	V _H -J _H joining	

With one "random" join to generate a light chain there is a 1:3 chance of a rearrangement being in frame

There is, therefore, only a 1:27 chance of an in frame rearrangement

Out of frame rearrangements arrest further B cell maturation

Click to add notes

BT 202: Immunology & Immunotechnology

July 12, 2021 | No expiration | 27 views | Dr. SB. Sainath | ... | General | Recordings

Add a description to explain what this video is about.

vsu lms updated check - sagargy x BT 202_ Immunology & Immun... 3.1.2_policy_document_o6vDei x +

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Stream BT 202_ Immunology & Immunotechnology-2...

Cytokines can act in:

- Autocrine (same cell)
- Paracrine (close proximity)
- Endocrine (long distance)

1. Cytokines are pleiotropic ... one cytokine can have different effects on different cells.

Activated T_H1 cells → IL-4 → B cell (Activation, Proliferation, Differentiation) and T cell (Proliferation)

2. Cytokines can be redundant ... different cytokines can have the same effects.

3. Cytokines can synergize with each other.

BT 202: Immunology & Immunotechnology

July 12, 2021 No expiration 19 views Dr. SB. Sainath General Recordings

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35°C Partly sunny 3:59 PM 3/24/2023

vsu lms updated check - sagargy x BT 202_ Immunology & Immun... Inbox (4) - criteria2@vsu.ac.in x +

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Stream BT 202_ Immunology & Immunotechnology-20...

T cell Receptor

- T-cell receptor complex
- T-cell activation via signal transduction mechanism

BT 202: Immunology & Immunotechnology

July 23, 2021 No expiration 10 views Dr. SB. Sainath General Recordings

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https://drive.google.com/file/d/1B7_TMNyEKDUWRSh8Q0D1mJub9Q0tH-/view

DAA AP -16.07.2021 3hr friday.mp4

Open with

Microsoft Teams

Design Analysis & Algorithms

2021-07-16 06:30 UTC

Recorded by Prof. Ande Prasad Organized by Prof. Ande Prasad Channel General

0:00 / 1:00:32

Type here to search

35°C Partly sunny 3:46 PM 3/24/2023

vsu lms updated check - sagarg... x DAA AP -16.07.2021 3hr fr... x Inbox (24) - criteria3@vsu.ac.in... x Vikrama Simhapuri University, N... x IQAC - Vikrama Simhapuri Uni... x

https://drive.google.com/file/d/1B7_TMNyEKDUWRSh8Q0D1mJub9Q0tH-/view

DAA AP -16.07.2021 3hr friday.mp4

Open with

1. Tree Representations

2. Data Representation

Set Name Pointer

S1

S2

S3

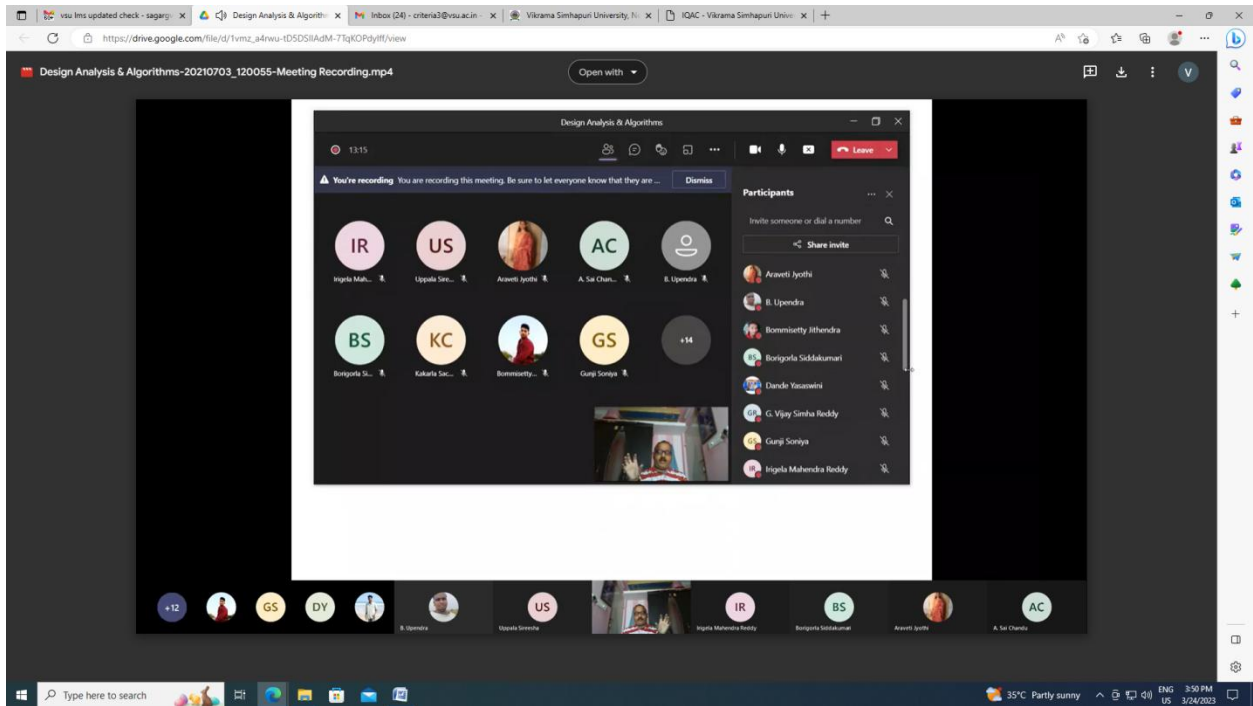
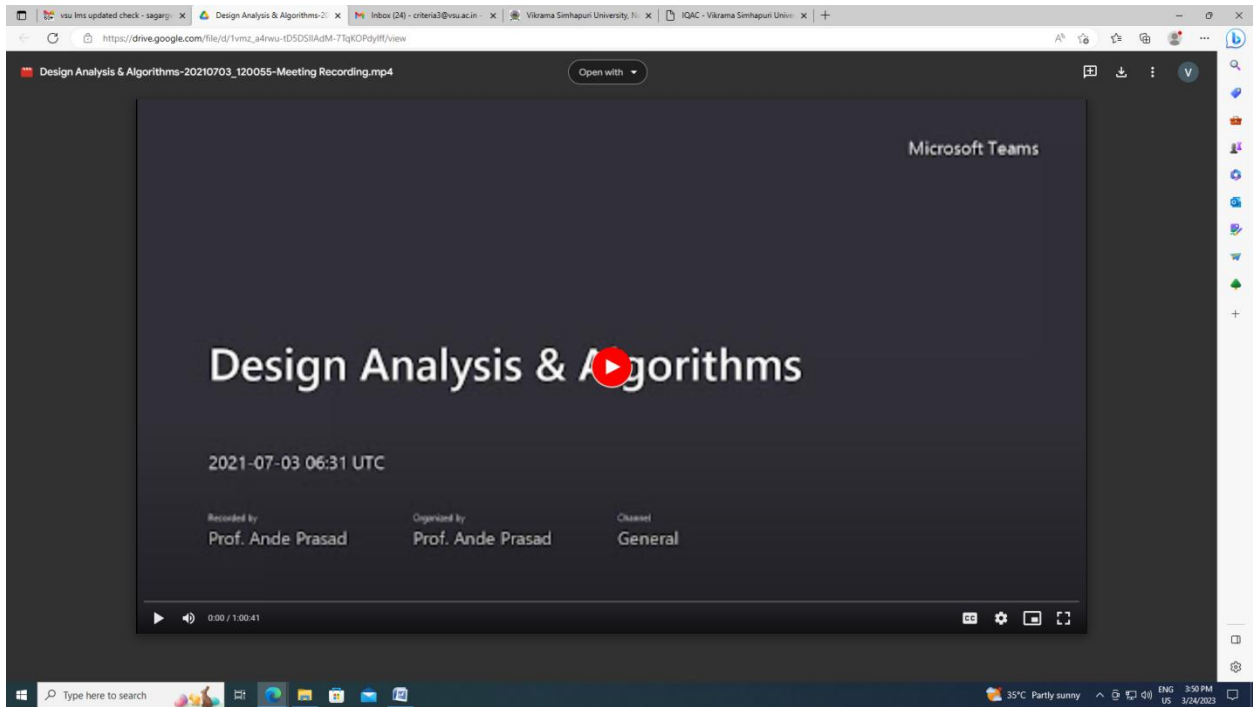
3. Array Representation

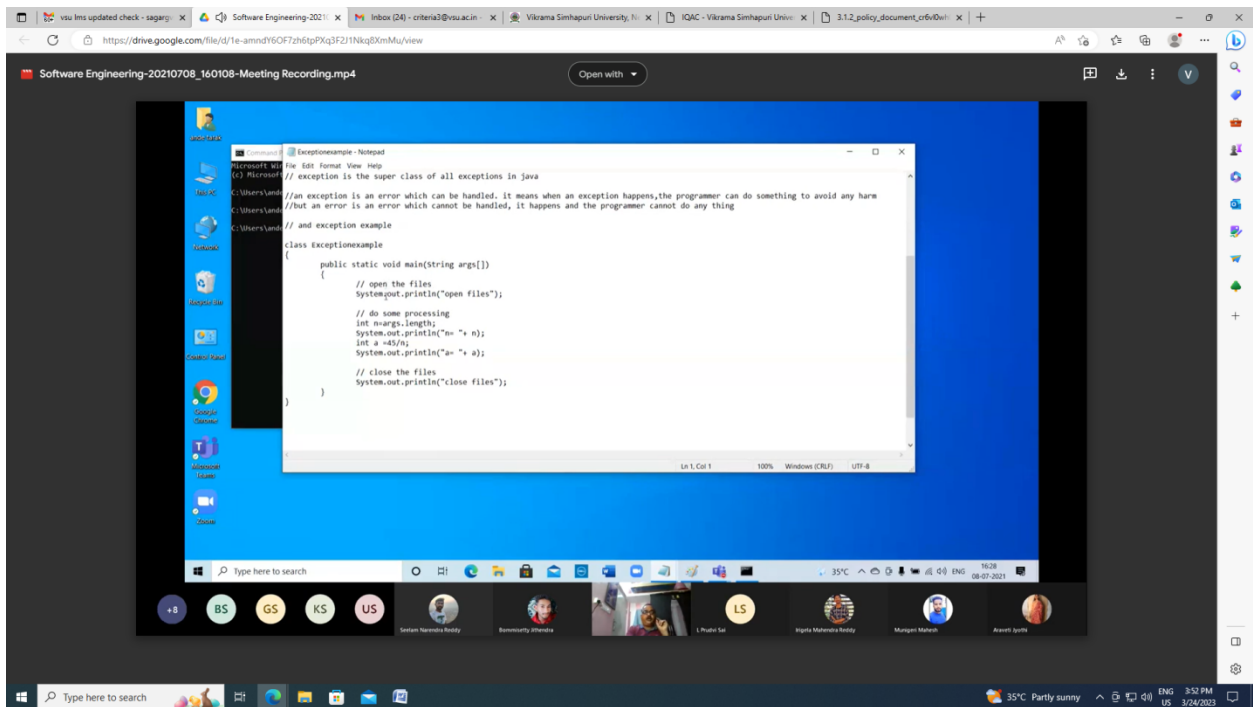
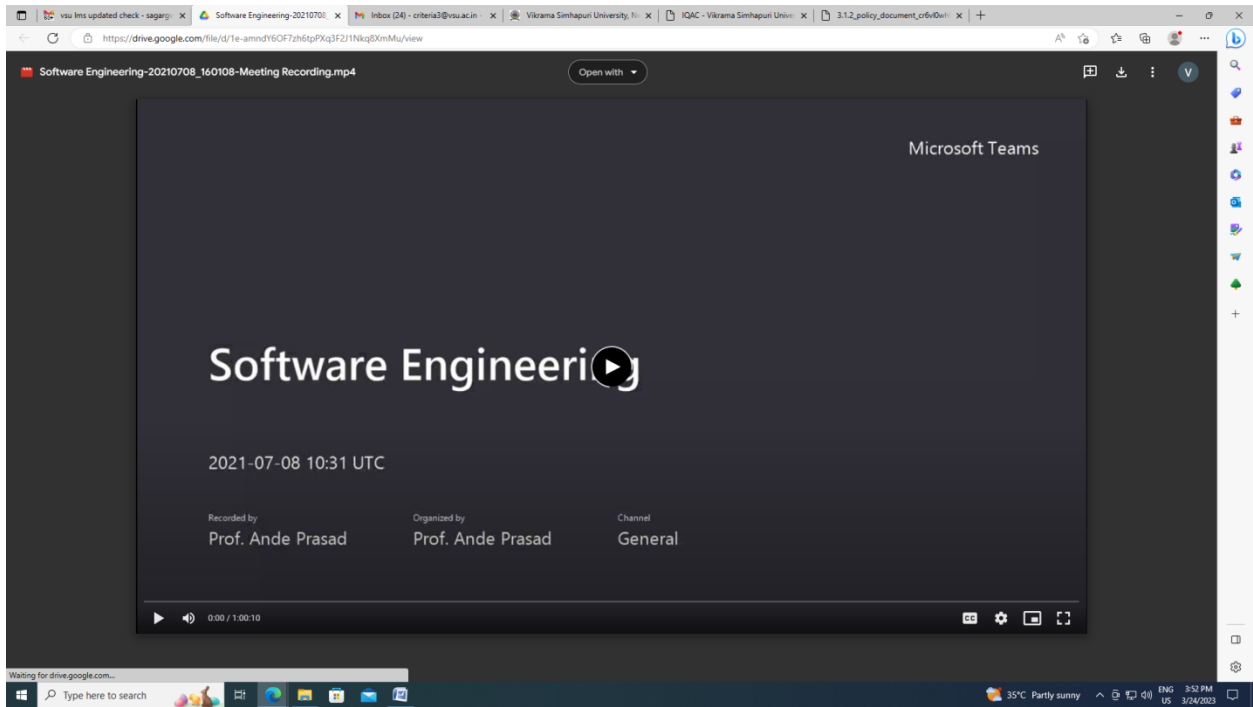
1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0

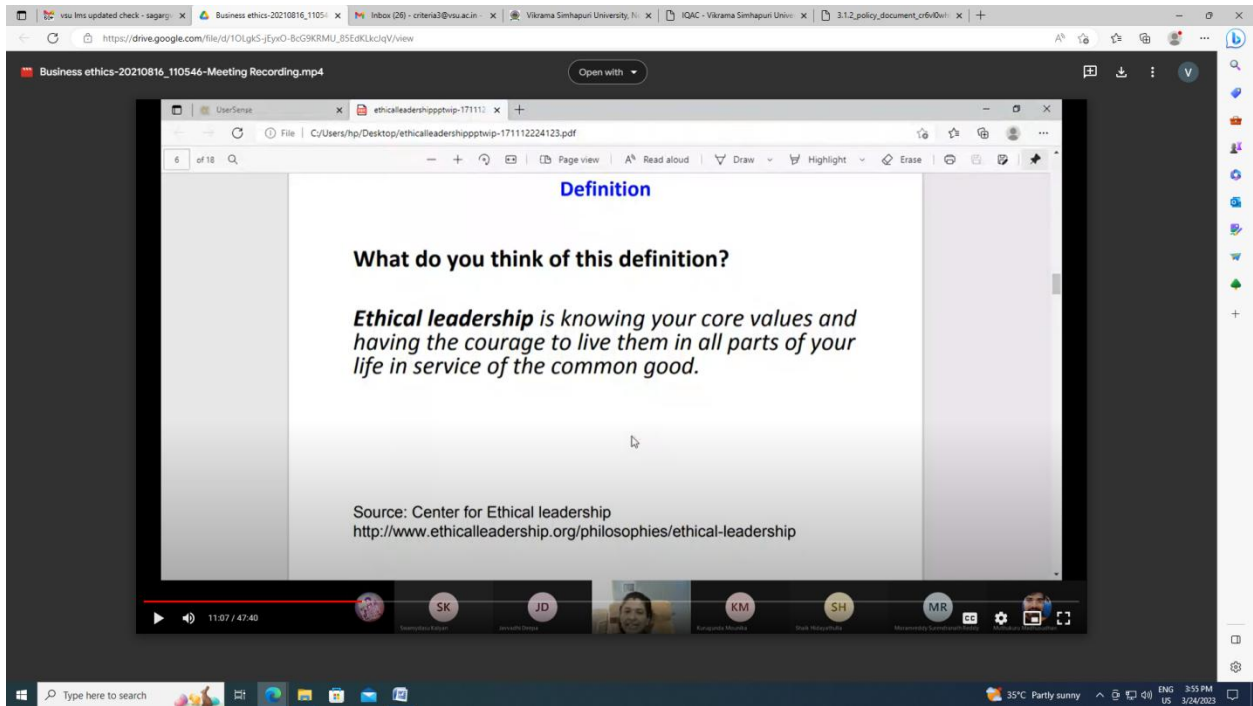
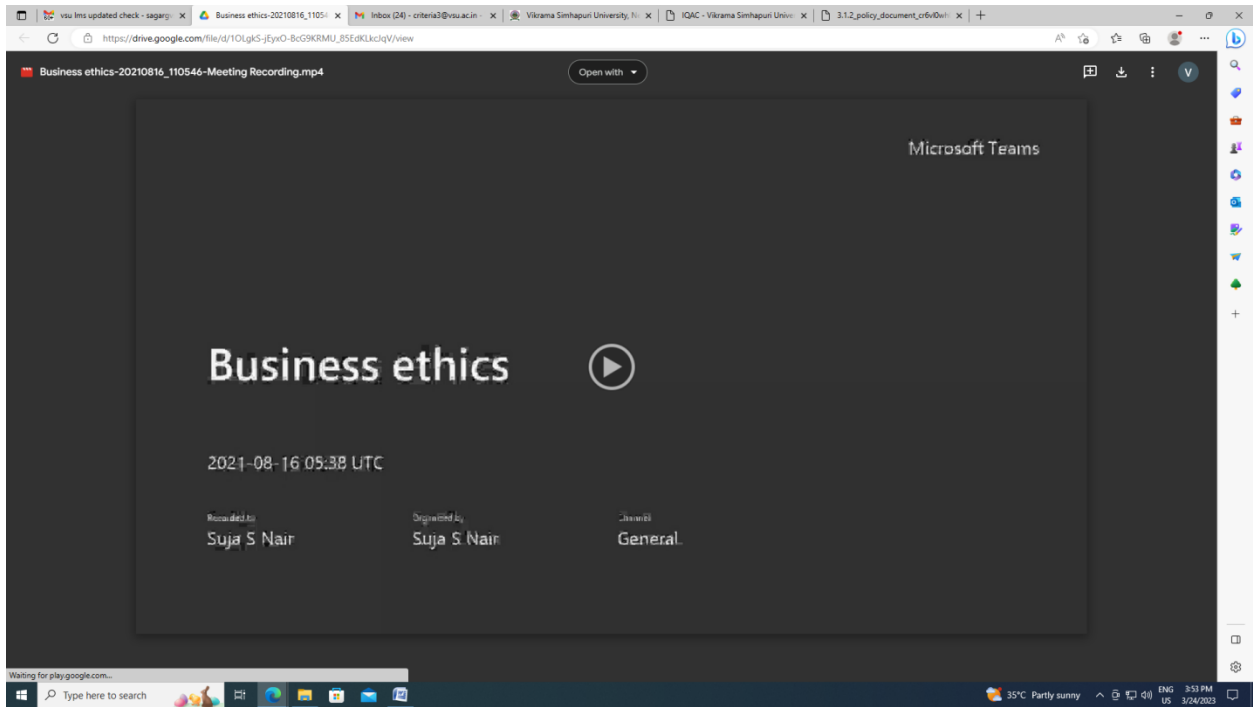
Type here to search

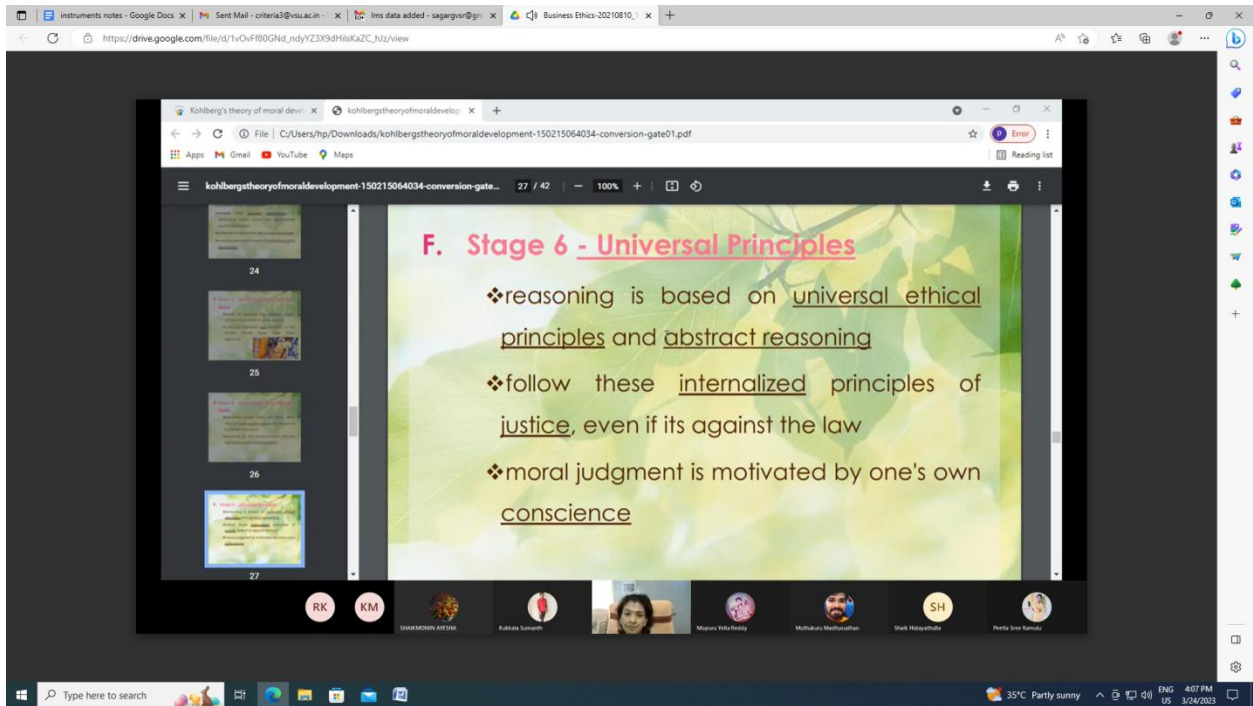
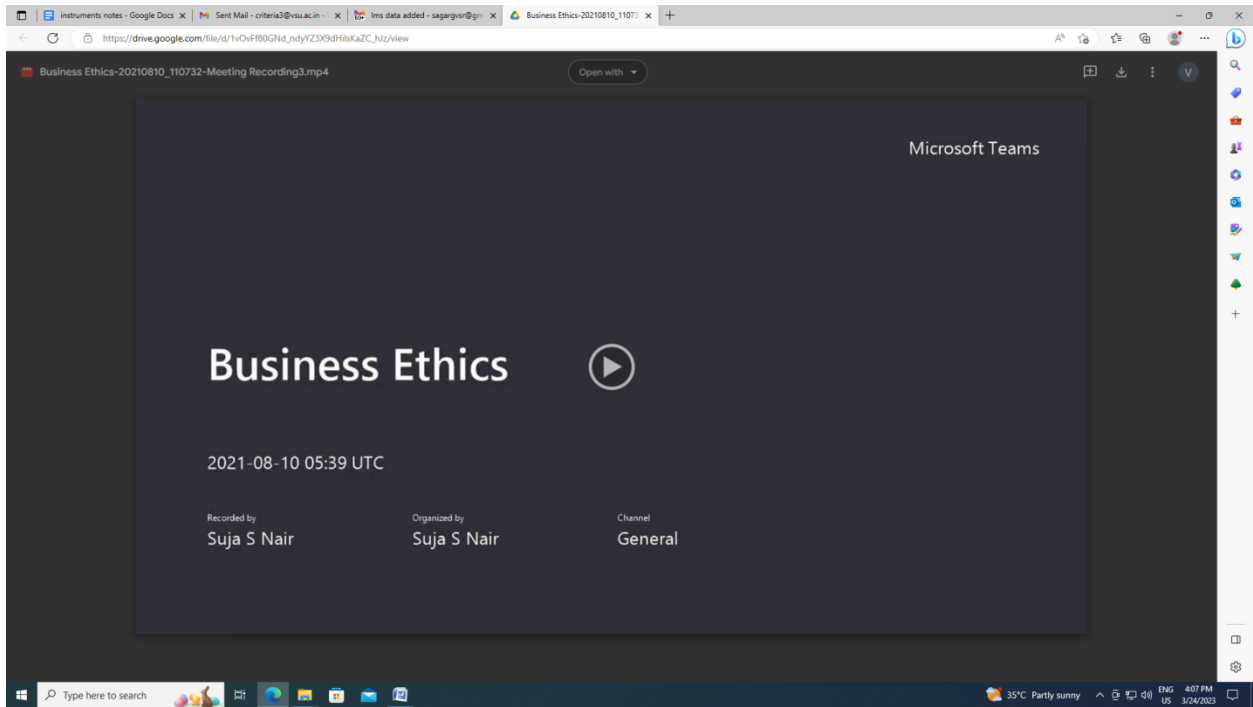
34°C Cloudy 12:16 16-07-2021

35°C Partly sunny 3:47 PM 3/24/2023









gct-mfy-bwg (2021-06-02 at 01:43 GMT-7)

IEF - Microsoft PowerPoint

Separation of protein by Ip value

Electrophoresis

Soaking the gel SDS solution and fitting it on an SDS PA gel

Separation of protein by molecular mass with SDS-PAGE electrophoresis

Click to add notes

Slide 15 of 29 'Office Theme'

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35°C Partly sunny 4:08 PM 3/24/2023

ghq-yvgx-nzf (2021-05-07 at 03:07 GMT-7)

Agarose gel electrophoresis - Microsoft PowerPoint

Plasmid Vector DNA

NEGATIVE ELECTRODE

POSITIVE ELECTRODE

DNA Bands

Gel Stained with Ethidium Bromide

DNA Bands Exposed on Film

Click to add notes

Slide 7 of 34 'Office Theme'

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htb-wfqz-daz (2021-04-29 at 23:45 GMT-7)

Gel filtration chromatography - Microsoft PowerPoint

6. Column Cleaning and Storage

- Most gel-filtration matrices can be cleaned with 0.2 M sodium hydroxide or nonionic detergents.
- When left unused for long periods of time, matrices should be stored at 4 °C in the dark in the presence of an antimicrobial agent (e.g., 0.02-0.05 % w/v sodium azide or 20 % v/v ethanol).

Click to add notes

Dr KVL Shrikanya Rao

36°C Partly sunny 4:09 PM 3/24/2023

ikp-fxmo-ish (2021-06-19 at 02:52 GMT-7)

Spectroscopy - Microsoft PowerPoint

Fig. a: Single Beam Spectrophotometer

Fig. b: Double - Beam Spectrophotometer

Click to add notes


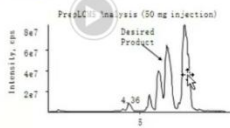
Dr KVL Shrikanya Rao

36°C Partly sunny 4:10 PM 3/24/2023

Reverse phase liquid chromatography - Microsoft PowerPoint

APPLICATIONS

- purification of synthetic organic and inorganic compounds from reaction mixtures
- general purpose separation of polar/non-polar compounds when the sample is in a non-polar solvent

Automated chromatography purification of designed drug combinatorial libraries

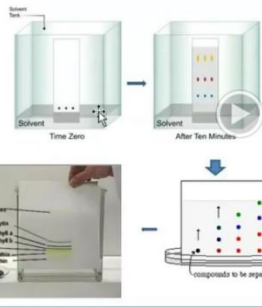
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Slide 9 of 19 "Office Theme"

Dr KVL Shrikanya Rao

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Thin Layer chromatography - Microsoft PowerPoint



solvent (mobile phase)

components to be separated

TLC plate: silica gel (stationary phase)

Click to add notes

Slide 11 of 13 "Office Theme"

Dr KVL Shrikanya Rao

36°C Partly sunny 4:10 PM 3/24/2023

This screenshot shows a Microsoft Teams stream recording. The main content area displays the title "Plant Biotechnology" in a large white font on a dark background. Below the title, the recording date and time are listed as "2022-01-04 13:50 UTC". Further down, the recording details are provided: "Recorded by Dr. Chadipiralla Kiranmai", "Organized by Dr. Chadipiralla Kiranmai", and "Channel General". The video player interface includes a progress bar at the bottom left showing "001 / 11:12" and a volume icon at the bottom right. The right-hand side of the screen shows the Teams interface with a search bar and a list of participants. The browser's address bar at the top shows the URL: "https://vsuniv.sharepoint.com/sites/M.Sc.MICROBIOLOGY-FIRSTSEMESTER2020-21/_layouts/15/stream.aspx?id=%2Fsites%2Fm%2E5c%2EMICROBIOLOGY-FIRSTSEMESTER2020-21%2FShared%20Documents%2FGeneral%2FRecordings...". The Windows taskbar at the bottom indicates the system time as 4:16 PM on 3/24/2023, with a temperature of 36°C and weather conditions of "Partly sunny".

This screenshot shows a Microsoft Teams stream recording. The main content area displays a slide titled "Introduction of Microbial Metabolisms" with a blue and green background. The slide contains the following bullet points:

- The term metabolism denotes all chemical reactions & physical workings occurring in a cell.
- Energy production from metabolism helps a bacterial cell to be extensive and varied.
- Energy which produces from metabolism system is required for synthesis of enzymes, nucleic acids, polysaccharides and other chemical components.
- Energy is also required for repair damage of cell.

The video player interface includes a progress bar at the bottom left showing "025 / 53:50" and a volume icon at the bottom right. The right-hand side of the screen shows the Teams interface with a search bar and a list of participants. The browser's address bar at the top shows the URL: "https://vsuniv.sharepoint.com/sites/M.Sc.MICROBIOLOGY-FIRSTSEMESTER2020-21/_layouts/15/stream.aspx?id=%2Fsites%2Fm%2E5c%2EMICROBIOLOGY-FIRSTSEMESTER2020-21%2FShared%20Documents%2FGeneral%2FRecordings...". The Windows taskbar at the bottom indicates the system time as 4:17 PM on 3/24/2023, with a temperature of 36°C and weather conditions of "Partly sunny".

Instruments notes - Google Docs | Inbox (24) - criteria3@vsnu.ac.in | lms data added - sagargov@gm | Biotechnology II semester

https://vsnuiv.sharepoint.com/sites/Dr.G.VijayaAnandKumarBabu/_layouts/15/stream.aspx?id=%2Fsites%2FDr.G.VijayaAnandKumarBabu%2FShared%20Documents%2FGeneral%2FRecordings%2FBiotechnology%20II%20seme...

Stream Biotechnology II semester orientation class-20...

New | Add to playlist | Move to | Copy to

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1.MSc or Integrated PhD
a. India
b. Abroad

2.Job
A. Public
B.Private

3.Entrepreneur
Agriculture
Tissue Culture
Aquaculture
Pharma
Biotech Related

9:02 / 1:07:18

Biotechnology II semester orientation class

July 1, 2021 | No expiration | 14 views | Dr. Uday Sankar Allam | General | Recordings

Add a description to explain what this video is about.

Type here to search | 36°C Partly sunny | ENG US | 4:19 PM | 3/24/2023

Instruments notes | Inbox (24) - criteri... | lms data added - ... | Stream | BTT-402-2021 | BTT-204_BI... | BTT-204_BIONF... | BTT-204_BIONF... | MB T 202 Mole... | MB 202 P Molecu...

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Stream MB T 202 Molecular Biology-Model-Replicatio...

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DNA Damage

- DNA is a relatively stable molecule, but Earth's natural environment is quite toxic, and damage to DNA is inevitable.
- Because each cell contains only one or two copies of its DNA, the DNA sequence is highly protected from harm.
- But DNA can be altered by mistakes made during its own replication or recombination. • Damage and sequence alterations to DNA are often quickly repaired, but when they are not, the DNA becomes permanently altered and harbors a mutation.
- Mutations are changes in DNA sequence, and when mutations occur in germline cells, these changes are inheritable.
- DNA damage is distinctly different from mutation.

0:23 / 47:41

MB T 202 Molecular Biology-Model-Replication

August 10, 2021 | No expiration | 5 views | Dr. KVidya Prabhakar | General | Recordings

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Stream BT T-402-20210709_104314-Meeting Recording

10:17 / 20:37

Non microbial pharmaceutical products

- These are two types
- 1. Traditional pharmaceuticals :
- These are low molecular organic chemicals isolated from biological sources or manufactured by direct chemical synthesis
- There will be two types of manufacturing companies one produces or manufactures raw chemicals in bulk quantities where as other companies purchase raw material and formulate them to final products.

BR R PM VY K DS

BTT-402
 July 8, 2021 No expiration 0 views Dr. Mary sandeepa General Recordings

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Stream BT T-204_BIOINFORMATICS & BIOSTATISTICS...

7:42 / 54:43

Emerging Infectious Diseases

Definition

- Emerging infectious diseases can be defined as infectious diseases that have newly appeared in a population or have existed but are rapidly increasing in incidence or geographic range.

Examples:

- Aerobacter* (nosocomial infections)
- Bacillus anthracis* (anthrax)
- Clostridium botulinum* toxin (botulism)
- Yersinia pestis* (plague)
- Francisella tularensis* (tularemia)
- Bartonella* (bartonellosis)

Characteristics:

- Can be easily disseminated or transmitted from person to person
- Result in high mortality rates and have the potential for major public health impact
- Might cause public panic and social disruption
- Require special action for public health preparedness

Desord et al. Res Microbiol, 2004, 155:105-111

EM K EA MB NP VH UY B MG DB

BT T-204: BIOINFORMATICS & BIOSTATISTICS
 August 9, 2021 No expiration 3 views Dr. Vijaya Ananda Kumar babu General Recordings

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Allport's Trait Theory

It is based upon the distinction between common traits and personal disposition. Allport classifies people on the basis of his scale of value test. He identified **six categories** of values like **theoretical, economic, aesthetic, social, political and religions**.

These six values are common traits which may be used for comparing people. Besides these common traits he has identified some unique traits which he calls as personal dispositions.

He classifies these unique traits under **three** categories, they are **Cardinal (pervasive), Central (unique and limited in number) and Secondary (peripheral)**. Allport lays greater emphasis on personal dispositions which register a departure from the common personality trait theory.

00004

00351

Prof P Ch Srinivasa Babu

Stream BT T-204, BIOINFORMATICS & BIOSTATISTICS...

What can be discovered about a gene by a database search?

- A little or a lot, depending on the gene
 - **Evolutionary information:** homologous genes, taxonomic distributions, allele frequencies, synteny, etc.
 - **Genomic information:** chromosomal location, introns, UTRs, regulatory regions, shared domains, etc.
 - **Structural information:** associated protein structures, fold types, structural domains
 - **Expression information:** expression specific to particular tissues, developmental stages, phenotypes, diseases, etc.
 - **Functional information:** enzymatic/molecular function, pathway/cellular role, localization, role in diseases

BT T-204: BIOINFORMATICS & BIOSTATISTICS

July 25, 2021 No expiration 4 views Dr. Vijaya Ananda Kumar babu General Recordings

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Stream BT T-204_BIOINFORMATICS & BIOSTATISTICS

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11:20 / 53:12

What is bioinformatics?

A working definition is that of Home of Representatives Standing Committee on Primary Industries and Regional Services Inquiry :-

"All aspects of gathering, storing, handling, analyzing, interpreting and spreading vast amounts of biological information in databases. The information involved includes gene sequences, biological activity/function, pharmacological activity, biological structure, molecular structure, protein-protein interactions, and gene expression. Bioinformatics uses powerful computers and statistical techniques to accomplish research objectives, for example, to discover a new pharmaceutical or herbicide."

BT T-204: BIOINFORMATICS & BIOSTATISTICS

July 19, 2021 No expiration 5 views Dr. Vijaya Ananda Kumar babu General Recordings

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11:20 / 53:12

GROWTH CURVE OR CYCLE

Number of Bacteria (Log)

Time

Log Phase

Stationary Phase

Death Phase

MB 202 P Molecular Biology

July 26, 2021 No expiration 4 views Dr. KVidya Prabhakar General Recordings

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Microsoft Teams

Replication types

2021-06-30 04:38 UTC

Recorded by
Dr. P. Ramachandra Reddy

Organized by
Dr. P. Ramachandra Reddy

Channel
General

Replication Types

Ramachandra Reddy Pamuru
29 subscribers

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10 ML Algorithms 10 ML algorithms in 45 minutes

INR/USD -0.24%

3:38 PM 3/24/2023

Microsoft PowerPoint

C) Synthesis is ALWAYS in the 5'-3' direction

What happens if a base mismatch occurs?

DNA polymerase template DNA strand

5' 3'

2' 3'

POLYMERASE ADDS AN INCORRECT NUCLEOTIDE

5' 3'

MISPAIRED NUCLEOTIDE REMOVED BY 3'-5' PROOFREADING

5' 3'

CORRECTLY PAIRED 3' END ALLOWS ADDITION OF NEXT NUCLEOTIDE

5' 3'

SYNTHESIS CONTINUES IN THE 5'-3' DIRECTION

2004 Garland Science

Where does energy for addition of nucleotide come from?

5' end of strand 3' end of strand

prime strand template strand

pyrophosphate

incoming deoxyribonucleoside triphosphate

5' end of strand

10:04 / 56:51

Replication Types

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Top 10 String Interview

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3:53 PM 3/24/2023

Microsoft Teams

UV-Visible spectrophotometry

2021-03-18 04:49 UTC

Recorded by
Dr. P. Ramachandra Reddy

Organized by
Dr. P. Ramachandra Reddy

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UV Visible Spectrophotometry

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How a Simple UV-visible Spectrophotometer Works

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ENG 3:39 PM IN 3/24/2023

Photomultiplier

The diagram illustrates the internal structure and operation of a Photomultiplier Tube (PMT). It shows a series of electrodes connected to a power supply (-V) and ground. The electrodes are labeled R₁ through R₈, representing the dynodes. A photon strikes the photocathode, releasing an electron (e⁻). This electron is accelerated towards the first dynode (R₁), where it causes secondary emission, producing more electrons. This process repeats through the subsequent dynodes (R₂ to R₈), resulting in a large number of electrons reaching the anode, which produces the output signal.

Labels in the diagram include: Photon, Photocathode, 8 Dynodes, Anode, Output, -V, R₁, R₂, R₃, R₄, R₅, R₆, R₇, R₈, Ground.

A detailed view of the PMT structure shows: High energy photon, Scintillator, Ionization track, Primary electron, Secondary electrons, Focusing electrode, Photomultiplier Tube (PMT), Dynode, Anode, Connector pins.

UV Visible Spectrophotometry

Ramachandra Reddy Pamuru
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55:20 / 4:00:00

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How a Simple UV-visible Spectrophotometer Works

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ENG 3:59 PM IN 3/24/2023

https://www.youtube.com/watch?v=9IB8htwCM

Features of DNA Replication

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0:06 / 53:35

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https://www.youtube.com/watch?v=9IB8htwCM

Microsoft PowerPoint

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25 DNA Replication

26

27

28

Click to add notes

25

Features of DNA Replication

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MSC II SEM BT & MB

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UNIT II

UNIT III

UNIT IV

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ASSIGNMENT II

SYLLABUS

HUMAN VALUES AND PROFESSIONAL ETHI... Edited May 7, 2020

UNIT I

UNIT I: Value Education Posted May 7, 2020

UNIT II

Unit II : Medical ethics Posted May 7, 2020

ANIMAL CLONING Posted May 9, 2020

UNIT III

UNIT III: Business ethics Posted May 7, 2020

Did you watch this lecture on professional e... activity No due date

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EPR-Presentation - Microsoft PowerPoint

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Clipboard New Slide Slides Font Paragraph Drawing Find Replace Select Editing

Slides Outline

1 Electron Spin Resonance (ESR) Spectroscopy

2 ESR/EPR Spectroscopy

3 ESR/EPR Spectroscopy

4 EPR spectra of all atoms, ions, radicals with organic dyes and dyes in their solutions

ESR/EPR Spectroscopy

• 'Electron Spin Resonance' (ESR), Also called 'Electron Paramagnetic Resonance' (EPR) is an excellent and versatile analytical technique, which can be used to study the paramagnetic materials.

• ESR was discovered by Professor E.K. Zavoyskiy in the year 1944

Professor E.K. Zavoyskiy

Electron spin resonance (ESR) spectroscopy, also referred to as electron paramagnetic resonance (EPR) spectroscopy, is a versatile, nondestructive analytical technique which can be used for a variety of applications including: oxidation and reduction processes, biradicals and triplet state molecules, reaction kinetics, as well as numerous additional applications in biology, medicine and physics.

Slide 2 of 75 - Office Theme

DB PL GS YP TS BA

Pathanjali Lakshya Getreddy Iremia Yaregata Prasad Thiruna Samatha Gummadijini Parashoatham Sali Ashok

Microsoft Teams

402-Unit-4

2021-07-29 04:26 UTC

Recorded by

Dr. A. Sivasankar Reddy

Organized by

Dr. A. Sivasankar Reddy

Channel

General