

Message from Uluber... x Uluberia College x Uluberia College x Dashboard x Attendance Reports x People in UC SEM 6H x MARCH 2020 - Vocal x +

uluberiacollegeapp.in/college_lms/moodle/my/

UC LMS Dr. Biswajit Saha

Dashboard

- Site home
- Calendar
- Content bank
- My courses
- PHSA_CC14
- Advanced Materials Characterization Techniques
- Site administration

Customise this page

Recently accessed courses

- College LMS | Advanced Materials Characterization Tec
★ Add-on Course on Advanced Mate...
- College LMS | PHSA_CC14
Solid State Physics (Theory)

Timeline

No upcoming activities due

Private files

No files available

Online users

2 online users (last 5 minutes)

Course overview

▼ All Short name ▼

32°C Cloudy 13:55 13-07-2023

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uluberiacollegeapp.in/college_lms/moodle/course/view.php?id=49

UC LMS Dr. Biswajit Saha

PHSA_CC14

- Participants
- Badges
- Competencies
- Grades
- General
- Elementary Lattice Dynamics
- Magnetic Properties of Solids
- Dielectric Properties of Solids
- Dashboard
- Site home
- Calendar

Solid State Physics (Theory)

Dashboard / My courses / PHSA_CC14 Turn editing on

Announcements

Elementary Lattice Dynamics

- Lattice Vibrations and Phonons
- Specific Heat of Solids

Magnetic Properties of Solids

Dielectric Properties of Solids

14:02 13-07-2023

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Advanced Materials Characterization Techniques

- Participants
- Badges
- Competencies
- Grades
- General
- Introduction to Materials Science
- Importance of Materials Characterization
- Recent Advancements in Material Characterization
- Optical Microscopy

Announcements

Attendance

Curriculum

Brochure

Course Feedback

Introduction to Materials Science

Introduction to Materials Science

Importance of Materials Characterization

Recent Advancements in Material Characterization

Optical Microscopy

32°C Cloudy Search ENG IN 13:58 13-07-2023

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PHSA_CC14

Participants

- Badges
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- Dielectric Properties of Solids
- Dashboard
- Site home
- Calendar

1 2 »

First name / Surname	ID number	Roles	Groups	Last access to course	Status
<input type="checkbox"/> SK SAHID AKTAV	20-PHSA-0037	Student	No groups	Never	Active
<input type="checkbox"/> RENASHA BHANDARI	20-PHSA-0007	Student	No groups	Never	Active
<input type="checkbox"/> DIPTI BHUNIYA	20-PHSA-0005	Student	No groups	Never	Active
<input type="checkbox"/> PABITRA DAS	20-PHSA-0023	Student	No groups	Never	Active
<input type="checkbox"/> PALLABI DUTTA	20-PHSA-0010	Student	No groups	Never	Active
<input type="checkbox"/> POULOMI JANA	20-PHSA-0001	Student	No groups	Never	Active
<input type="checkbox"/> ANKITA KAR	20-PHSA-0003	Student	No groups	106 days 21 hours	Active
<input type="checkbox"/> KOUSTAV KHAN	20-PHSA-0027	Student	No groups	Never	Active
<input type="checkbox"/> RUPALI KHATUN	20-PHSA-0002	Student	No groups	30 days 3 hours	Active
<input type="checkbox"/> MANISHA MAITY	20-PHSA-0014	Student	No groups	Never	Active
<input type="checkbox"/> SHRESTHA MAJUMDAR	20-PHSA-0012	Student	No groups	106 days 21 hours	Active
<input type="checkbox"/> SOURAV MONDAL	20-PHSA-0045	Student	No groups	Never	Active
<input type="checkbox"/> ANIKET MONDAL	20-PHSA-0034	Student	No groups	105 days 3 hours	Active

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classroom.google.com/c/NjExMTA3NTcwMTE0

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UC SEM 6H (2023) | Stream | Classwork | People | Grades

UC SEM 6H (2023)

Class code

evd5s22

Upcoming

No work due soon

[View all](#)

Announce something to your class

Biswajit Saha posted a new material: Nano Charaterzation_XRD
May 23

Biswajit Saha posted a new material: Nano Charaterzation_OM_SEM_TEM
May 23

Biswajit Saha posted a new material: Nano Charaterzation_SPM_STM_AFM
May 23

Biswajit Saha posted a new material: Nanotechnology Introduction
May 23

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classroom.google.com/r/NjExMTA3NTcwMTE0/sort-last-name

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UC SEM 6H (2023) | Stream | Classwork | People | Grades

Teachers

Biswajit Saha


Students

12 students

Actions

- SK SAHID AKTAV
- Renasha Bhandari
- Pabitra Das
- Pallabi Dutta
- Ankita Kar
- Rupali Khatun

GBP/INR +0.33% | Search | ENG IN | 13:17 13-07-2023


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- Dashboard
- Site home
- Calendar
- Content bank
- My courses
- The art of Coding
- Site administration

Course overview

All

Short name



College LMS | Light
Diffraction of Light



College LMS | The art of Coding
Add-on Course on Computer
Programming in ...

Private files

No files available

Online users

1 online user (last 5 minutes)

Latest badges

You have no badges to display

Calendar

July 2023

Mon Tue Wed Thu Fri Sat Sun

1 2

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- Light
- Participants
- Badges
- Competencies
- Grades
- General
- Fresnel's Diffraction 1
- Fresnel Diffraction 2
- Fresnel Diffraction 3
- Fraunhofer Diffraction - Single slit
- Fraunhofer Diffraction

Diffraction of Light

Dashboard / My courses / Light

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Announcements

Fresnel's Diffraction 1

Class 1

Fresnel Diffraction 2

FD 2

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UC LMS

- Light
- Participants
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- General
- Fresnel's Diffraction 1
- Fresnel Diffraction 2
- Fresnel Diffraction 3
- Fraunhofer Diffraction - Single slit
- Fraunhofer Diffraction

Fresnel Diffraction 3

Fresnel Diffraction 3

Fraunhofer Diffraction - Single slit

Single slit diffraction

Fraunhofer Diffraction - Double slit

Double slit

Fraunhofer Diffraction - Grating

Diffraction grating

Multiple slits, diffraction grating phenomenon and intensity pattern are summarized. Different observations and related parameters are defined and described.

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The art of Coding

- Participants
- Badges
- Competencies
- Grades
- General
- Drawing
- Editing
- Integrating
- Differentiating
- Dashboard

Add-on Course on Computer Programming in Physics and beyond

Dashboard / My courses / The art of Coding

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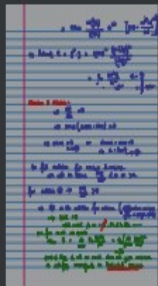
- Announcements
- Attendance
- Syllabus
- Brochure
- Course Feedback

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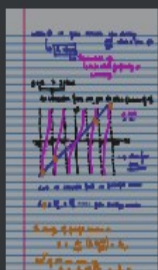
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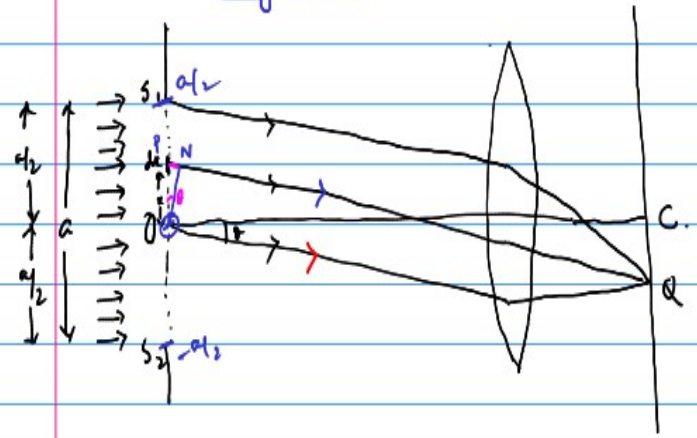


2



Fraunhofer Diffraction:

↳ in a single slit → to double slit & grating.



θ → diffracting angle.
or angle of diffraction.

Let the disturbance by the secondary wavelets from O is
 $= Ae^{i\omega t}$

∴ The phase diff. between rays coming from O & P is

$$\Delta\phi = \frac{2\pi}{\lambda} PN = \frac{2\pi}{\lambda} a \sin\theta$$

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$$= \lambda x \quad \therefore x = \frac{a \sin\theta}{\lambda}$$

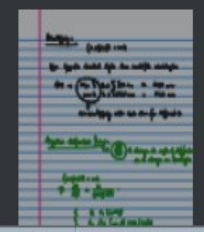
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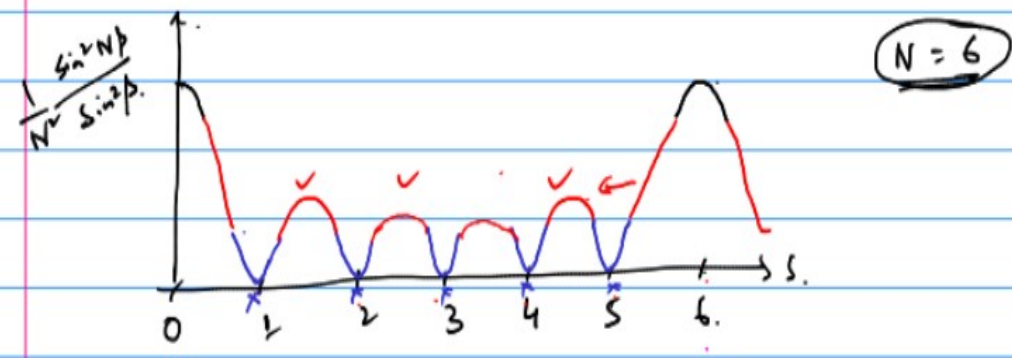


6



became for these values of $s \rightarrow \sin \beta = 0$

$$\frac{\sin N\beta}{\sin \beta} = \frac{0}{0} \Rightarrow \text{principal maxima}$$



i) $N = \text{no. of slits}$

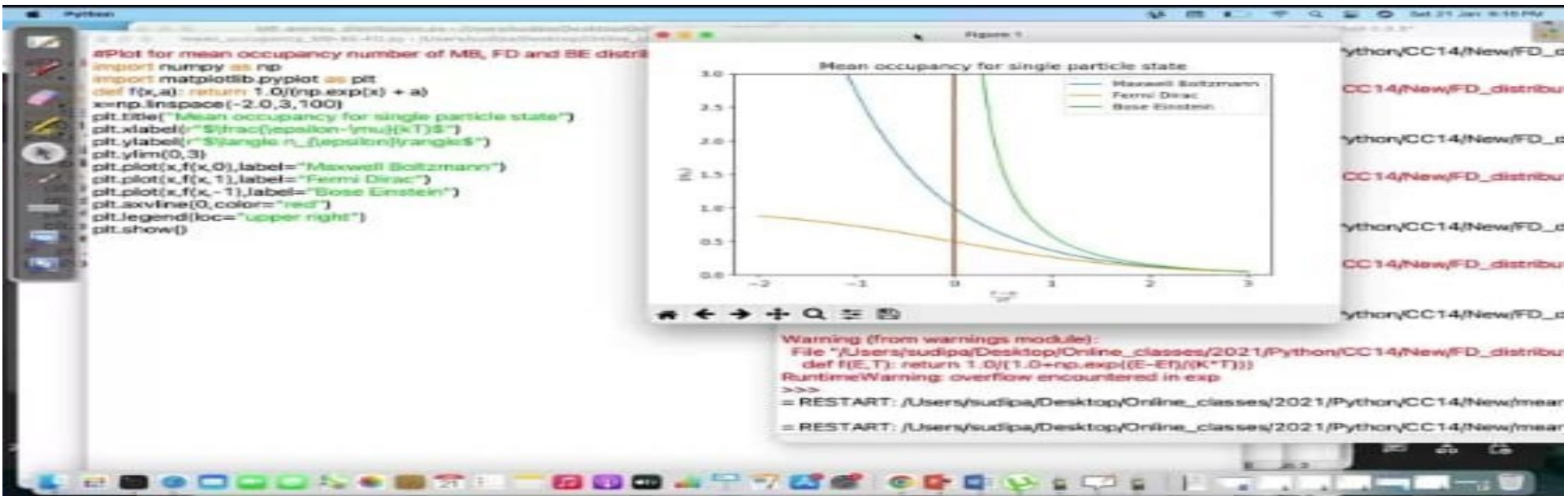
\Rightarrow at $s = 0, N, 2N$ etc. \rightarrow we have principal maxima

\Rightarrow in between two prin. maxima, there are $(N-1)$ sec. minima.

\downarrow $(N-2)$ sec. maxima.

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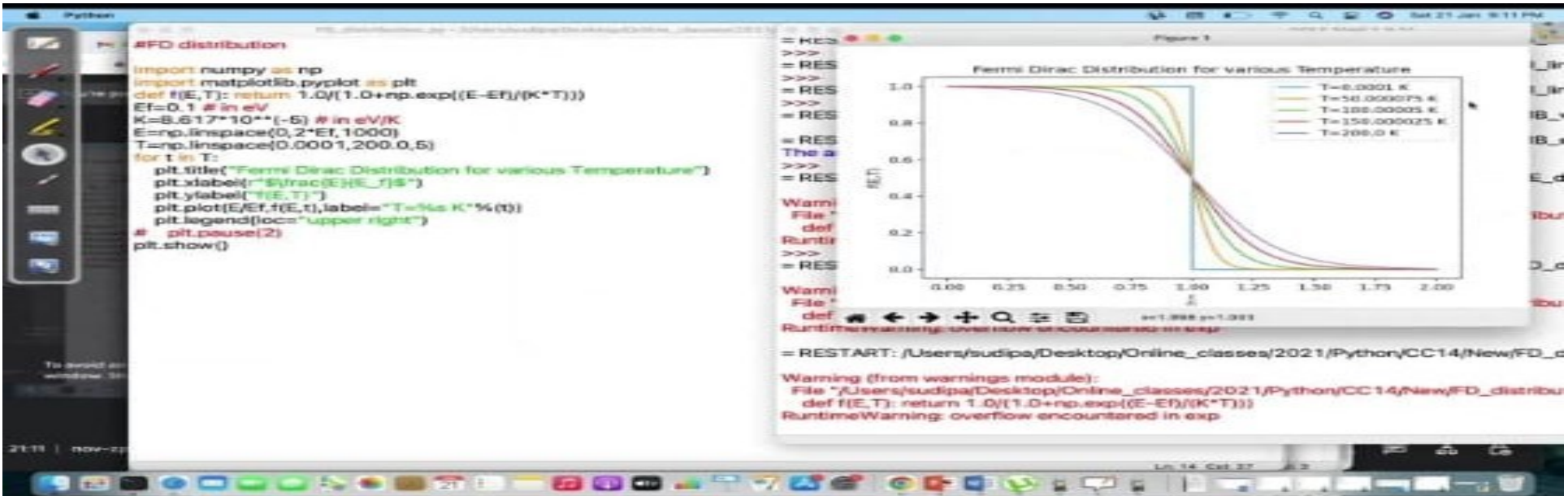
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Kinkar is presenting

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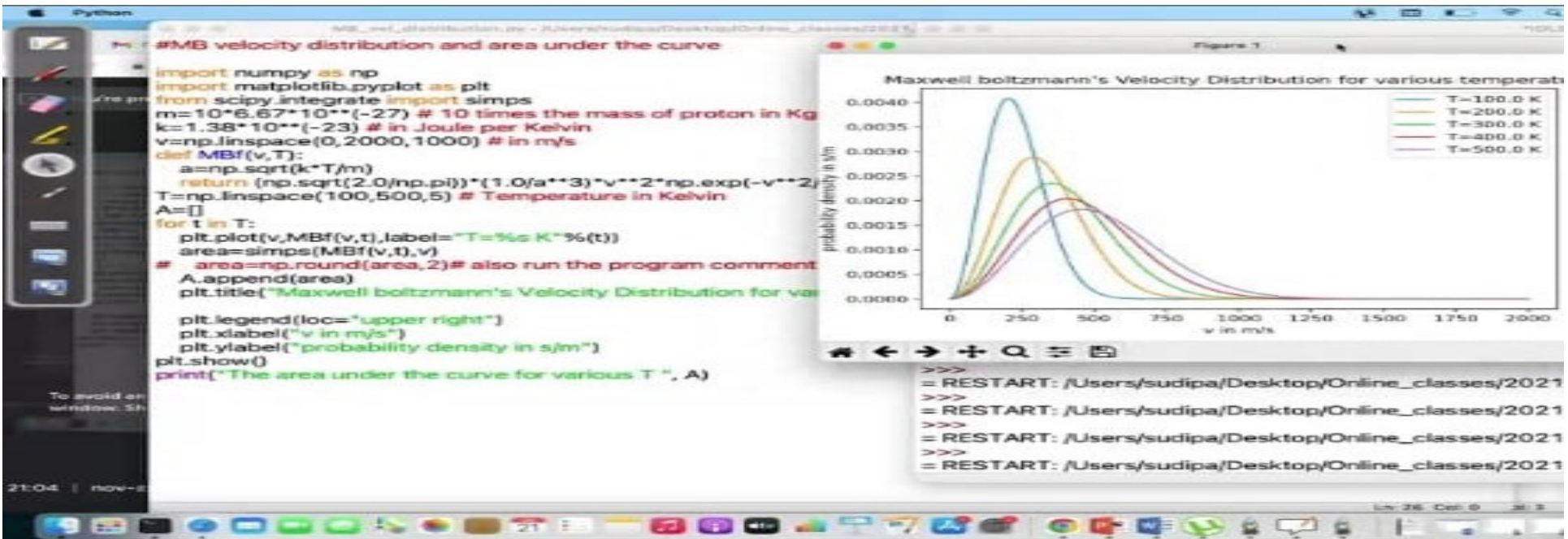




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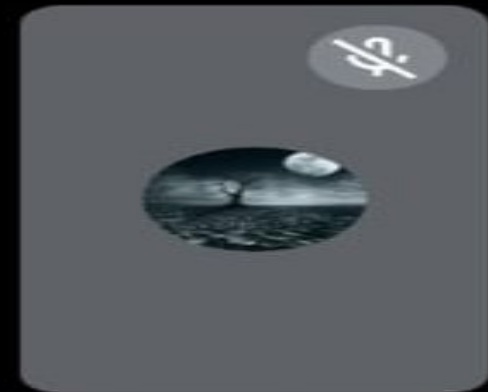
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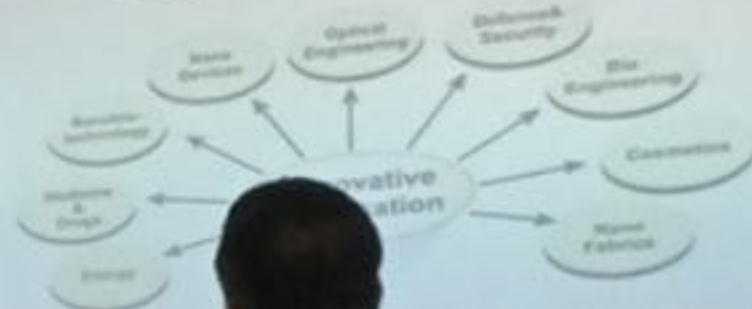



Kinkar is presenting

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Application Of Nanotechnology



 GPS MAP CAMERA

F494+QPG Presidency Division West Bengal IN

Latitude: 22.4693908

Longitude: 88.10705

Date: 17 Jun 2023

Time: 10:49 AM

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