NORTH GAUHATI COLLEGE

DEPARTMENT OF PHYSICS

Physics Seminar Series

presents

Intra-Departmental Seminar Competition

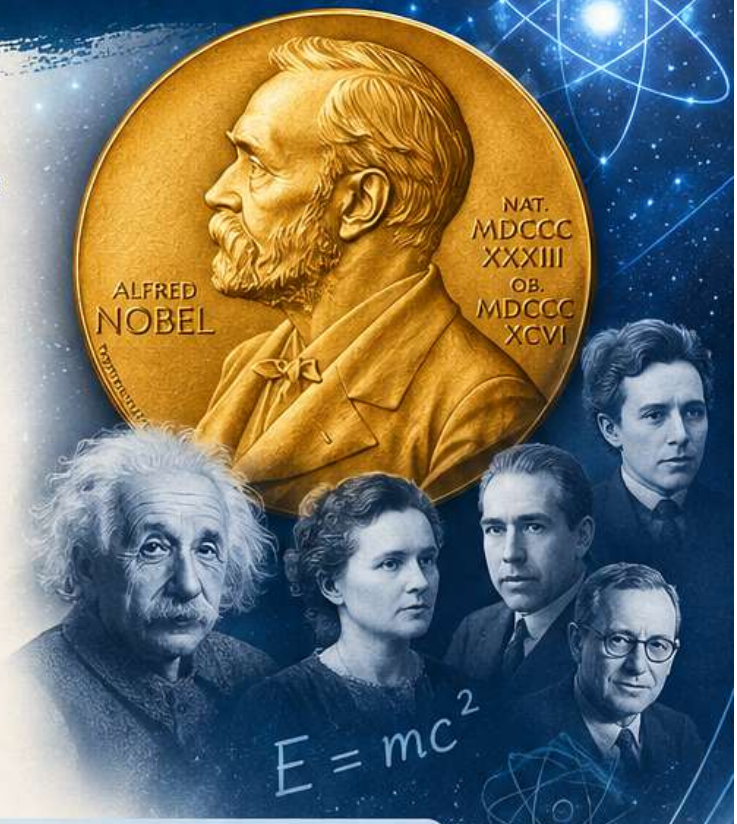
on

NOBEL PRIZE IN PHYSICS

Through the Years

Discovering the Minds Behind a Brighter Tomorrow

Explore the journey of groundbreaking ideas, iconic scientists and the discoveries that shaped our understanding of the universe — through the lens of the Nobel Prize in Physics.



Date
3rd November, 2026
(Tuesday)

Time
10:00 AM

Venue
Smart Classroom, North Gauhati College

Presentation Format

- Single participant : 5 + 2 mins
- Group of 2 members : 8 + 2 mins

(Equal contribution from each member)

Participation

Mandatory for all Physics Major and Minor students.

Same discoveries. New perspectives.
Are you ready to present yours?


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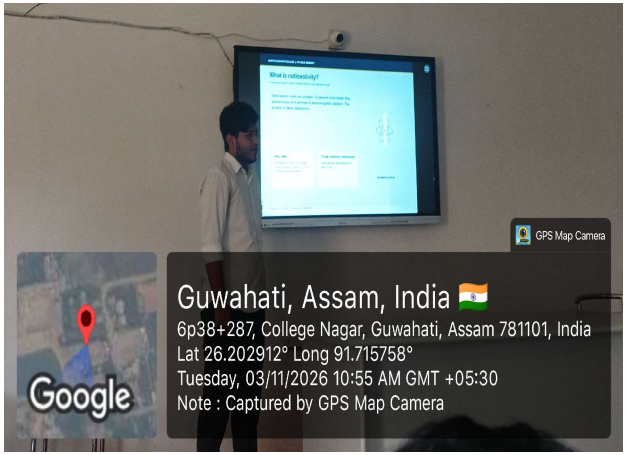

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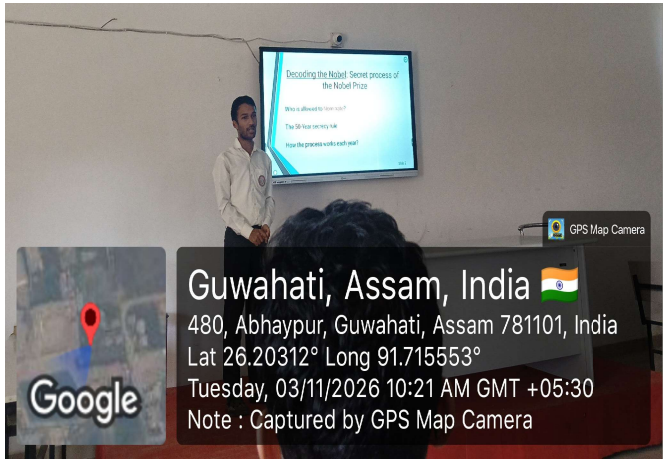

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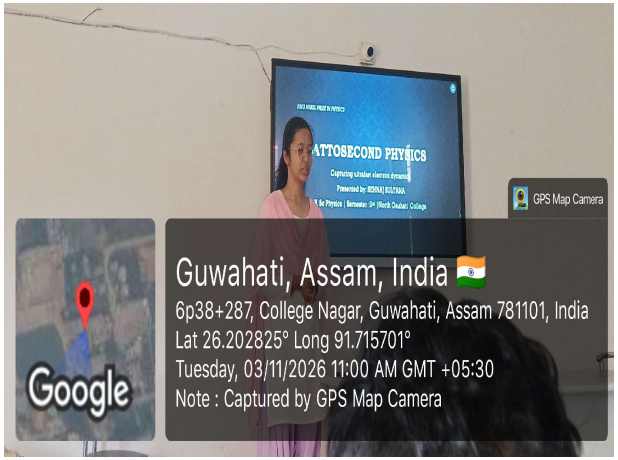

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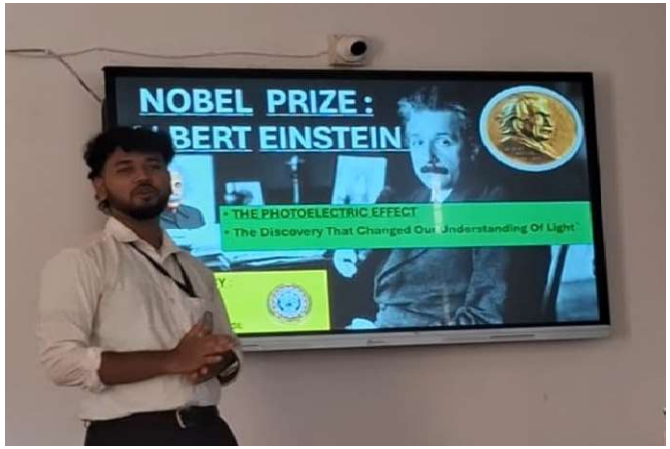

What Is a Transistor?
A transistor is a semiconductor device that controls electric current.
Amplifier
A small input signal can control a larger output signal.
Electronic switch
It can turn current ON or OFF in a circuit.
Solid-state device
It works in a solid material, without a vacuum tube's heated cathode.
Transistors made electronic equipment smaller, cooler, more reliable and easier to manufacture.

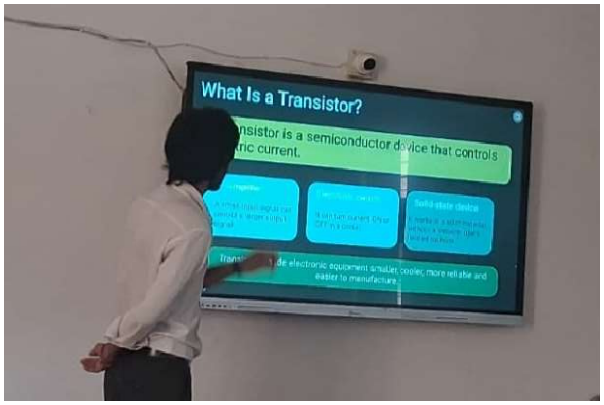

GPS Map Camera
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Decoding the Nobel: Secret process of the Nobel Prize
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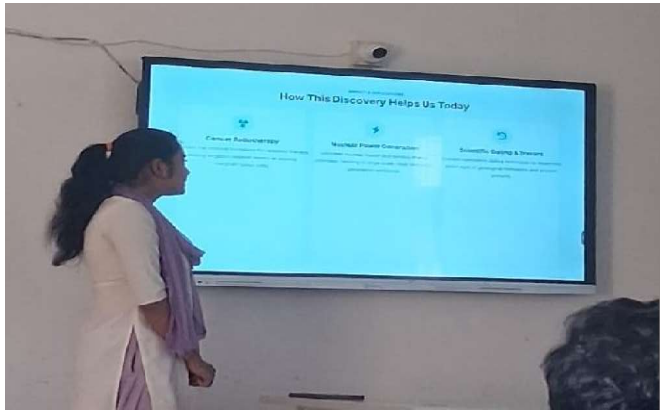

ATTOSECOND PHYSICS
GPS Map Camera
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NOBEL PRIZE :
BERT EINSTEIN
- THE PHOTOELECTRIC EFFECT
- The Discovery That Changed Our Understanding Of Light


What Is a Transistor?
nsistor is a semiconductor device that controls
ric current.
Solid-state device
de electronic equipment smaller, cooler, more reliable and
easier to manufacture.

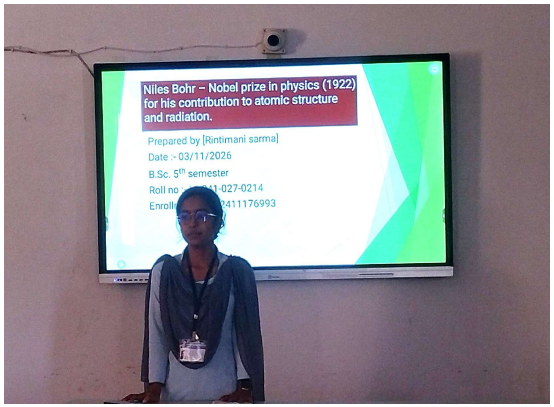

GPS Map Camera
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How This Discovery Helps Us Today

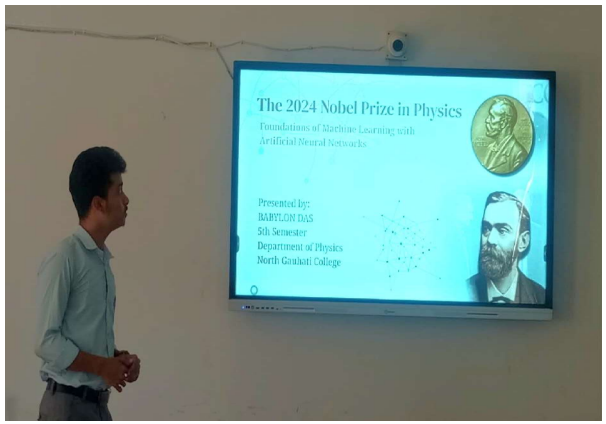

Cockcroft–Walton Experiment (1932)

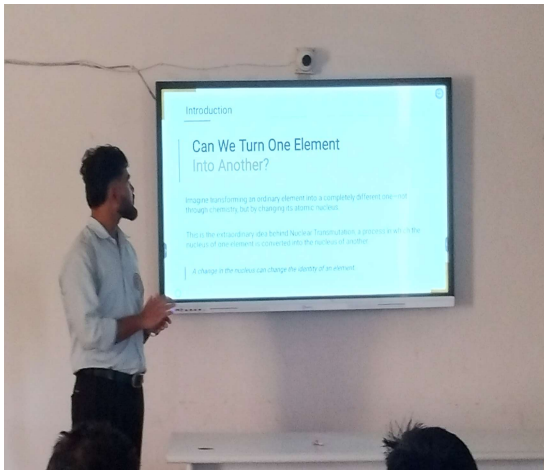

What is a Neutrino?
Zero Electric Charge
Near-Light Speed

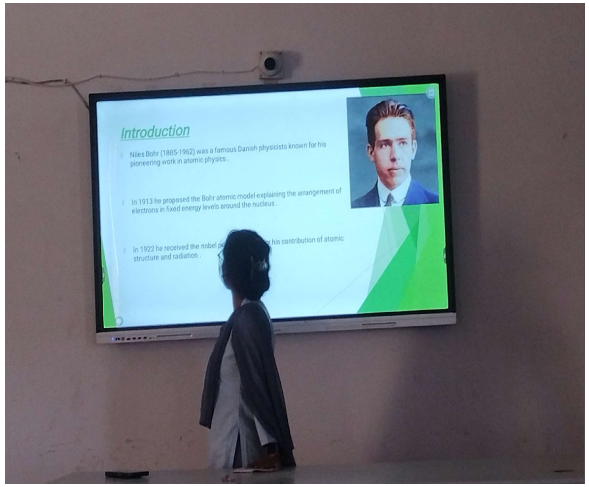

a universe whose story we
still learning to read."


Niles Bohr – Nobel prize in physics (1922) for his contribution to atomic structure and radiation.
Prepared by [Rintimani sarma]
Date :- 03/11/2026
B.Sc. 5th semester


SUBRAHMANYAN CHANDRASEKHAR
His contribution to astrophysics and our understanding of the structure and evolution of stars
Presented by: Achyut Hazam


The 2024 Nobel Prize in Physics
Foundations of Machine Learning with Artificial Neural Networks
Presented by:
BABYLON DAS
5th Semester
Department of Physics
North Gauhati College


Introduction
Can We Turn One Element Into Another?


Introduction
Niles Bohr (1885-1962) was a famous Danish physicists known for his pioneering work in atomic physics.
In 1913 he proposed the Bohr atomic model explaining the arrangement of electrons in fixed energy levels around the nucleus.




NORTH GAUHATI COLLEGE
PRIZE
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