

## Activity Report (Physics) 01.06.2023- 31.05.2024

### One-Day Seminar on Recent Trends in Physics

*Organized jointly by  
Department of Physics  
&  
IQAC, City College*

#### SPEAKERS

**Dr. Amitava Moitra**

Computational Materials Modeling Center,  
Department of Physics, Raidighi College

**Multiscale Materials Modeling to Understand the  
Role of Defects in Deformation Mechanism**

**Dr. Suvam Roy**

Department of Physical Sciences, IISER Kolkata

**Exploring the Origin of Life with the Help of  
Mathematical Models and Computer Simulations**

December 19, 2023

11.30 AM

Room 6, City College

classmate  
Allowed to  
conduct Seminar  
on 19/12/2023 by  
Physics Dept. in  
Room no. 6.  
Subl. Co-ordinator  
12/11/2023

Date: 12.12.2023

To  
The Principal,  
City College,  
Kolkata- 700 009

Sir,

This is to inform you that the seminar on "Recent Trends in Physics" organized by the Department of Physics in collaboration with IQAC, City College scheduled to be held on 28/11/2023 (Tuesday) has been rescheduled to 19/12/2023 (Tuesday) at 11:30 am in Room no. 6.

This is for your kind information & necessary action.

Thank you.

Yours sincerely

Samapti Pal  
12-12-23  
(SAMAPTI PAL)

Copy to: -

1. IQAC Coordinator

HEAD  
DEPARTMENT OF PHYSICS  
CITY COLLEGE, KOLKATA-700 009

no problem on 19/11/23  
for Room No 6

- Saha  
12/11/23

**One day Seminar on  
Recent Trends in Physics**

**Date: 19.12.2023**

**Speaker: Dr. Amitava Moitra**

**Affiliation: Department of Physics, Raidighi College**

**Title: Solar Cells: Multiscale Materials Modeling to Understand the Role of Defects in Deformation Mechanism**

**Speaker: Dr. Suvam Roy**

**Affiliation: Department of Physical Sciences, IISER, Kolkata**

**Title: Solar Cells: Exploring the Origin of Life with the Help of Mathematical Models and Computer Simulations**

**Objective and Report on the Seminar**

The seminar consisted of two talks delivered by Dr. Amitava Moitra and then by Dr. Suvam Roy, who happens to be an alumnus of this department. The seminar was organized with the objective of providing current students of the Department the opportunity to interact with researchers working on frontier areas of physics and allied subjects. This will encourage the present students to pursue higher studies in physics. They will also get to know the allied fields of study related to physics where they can potentially pursue higher studies.

The seminar was attended by Honours students of all semesters and General students and faculty members of the department. Respected Principal inaugurated the seminar. It was also attended by Coordinator, IQAC, City College.

The talks were followed by an interesting question and answer session where the speakers answered questions posed to them by enthusiastic and inquisitive students.









**CITY COLLEGE**  
102/1, Raja Rammohan Sarani, Kol-9

Attendance  
19/12/23

ONE DAY SEMINAR ON -  
RECENT TRENDS IN PHYSICS  
ORGANISED BY DEPT. OF PHYSICS, WITH IRAC, CITY COLLEGE  
DATE: 19/12/2023, VENUE: ROOM No. 6

ATTENDANCE RECORD

SL. NO.	SIGNATURE	DESIGNATION	DATE
01.	Anshu Mishra	ASS. PROF	19/12/2023
02	Suvana Roy	Postdoc Scientist	19/12/2023
03	Soudeb Chakrabarty	Teacher.	19/12/23.
04	Arindam Mishra	Teacher	19/12/23
05	Kajjan Samajapati	Teacher	19/12/23.
06	Debasmita Samanta	Teacher	19/12/23
07	Sannapti Pal	Associate Professor	19-12-23
08	Kushali Ananta Mishra	Teacher	19/12/23
09	Ayan Mishra	Assistant Professor	19/12/23
10	Anshuman Nandy	Assistant Professor	19/12/23
11.	ARNAB CHAUDHURI	Associate Professor in Physiology	19/12/2023
12.	Kausik Munchopadhyay	Assistant Professor	19/12/2023
13.	Silpa Chatterjee	Principal	19/12/2023

1/2023

1/23

23



ESTD. 1981  
NAAC Accredited in 2007

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SIGNATURE	DESIGNATION	DATE
Anshik K. Sinha	5th sem-(general)	19.12.2023
Afridi Mondal.	5th Sem (general)	19.12.2023
Nitish Kumar Shaw	5th sem (general)	19.12.2023
Sagnik Mazumdar	3rd Sem (Chem Hon)	19.12.2023
Sajon Barman	5th sem (general)	19.12.2023
Amitam Das.	5th sem (Physics Hon)	19.12.23
Sagnik Chakraborty	5th sem (Physics H)	19.12.23
Anindam Acharya	5th Sem (Physics Hon)	19/12/23
Soumyajit Roy	5th sem (Physics Hon)	19.12.23
Chakri Patel	1st sem (Maths hon)	19.12.23
Deepak Kumar	3rd Sem (Physics Hon)	19/12/2023
Arnab Banerjee	3rd Sem (Physics Hon)	19/12/2023
Md: Abdus Salam Biswas	3rd Sem (Physics Hon)	19/12/2023
Arindra Mishra	3rd Sem (Physics Hon)	19/12/2023
Ayushi Roy	3rd Sem (Physics Hon)	19/12/2023

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- |                           |                        |          |
|---------------------------|------------------------|----------|
| 16) Maanrita Sengupta     | 1st sem (Maths Honors) | 19/12/23 |
| 17) Meera Kumari Yadav    | 1st Sem (Phy. Honors)  | 19/12/23 |
| 18) Sudipta Dey           | 1st Sem (Chem. Honors) | 19/12/23 |
| 19) Priyati Banerjee      | 1st sem (Phy. Honors)  | 19/12/23 |
| 20) Anujit Rabi Das       | 1st Sem (Phy. Honors)  | 19/12/23 |
| 21) Jisan Haque           | 1st sem (Phy. Honors)  | 19/12/23 |
| 22) Anjali Kumari         | 3rd Sem (Chem. Honors) | 19/12/23 |
| 23) Ankita Dey            | 3rd sem (Chem. Honors) | 19/12/23 |
| 24) Shubhramil Dutta      | 5th sem (Phy. Honors)  | 19/12/23 |
| 25) Quazi Zubayer Ali     | 5th Sem (Phy Honors)   | 19/12/23 |
| 26) Meghna Debnath        | 3rd Sem (Phys Honors)  | 19/12/23 |
| 27) Abhoy Roy Choudhury   | 3rd Sem (Phy Honors)   | 19/12/23 |
| 28) Maanrita Sengupta     | 1st sem (Maths Honors) | 19/12/23 |
| 29) Meera Kumari Yadav    | 1st Sem (Phy Honors)   | 19/12/23 |
| 30) Sudipta Dey           | 1st Sem (Chem Honors)  | 19/12/23 |
| 31) Priyati Banerjee      | 1st Sem (Phy. Honors)  | 19/12/23 |
| 32) Anujit Rabi Das       | 1st Sem (Phy. Honors)  | 19/12/23 |
| 33) Jisan Haque           | 1st sem (Phy. Honors)  | 19/12/23 |
| 34) Shauvika Mandal,      | Ex student (Alumni)    | 19/12/23 |
| 35) Karsten Maitra        | Alumni                 | 19/12/23 |
| Arhava Guria Samapiti Pal | 5th Sem (Phy. Honors)  | 19.12.23 |

19/12/23  
HEAD  
DEPARTMENT OF PHYSICS  
CITY COLLEGE

Satabdi Ghosh  
CITY COLLEGE  
KOL-9



