

Report on
“SPECIAL SEMINAR”
Conducted by
Department of Physics, Hooghly Mohsin College
Date: - 19.01.2026



1. **Date:** 19/01/2026
2. **Venue:** Room No-SG-18, Hooghly Mohsin College
3. **Details about the speakers:** Mr. Archisman Panigrahi,
Ph.D. scholar of MIT, Cambridge, USA

4. **About the program:**

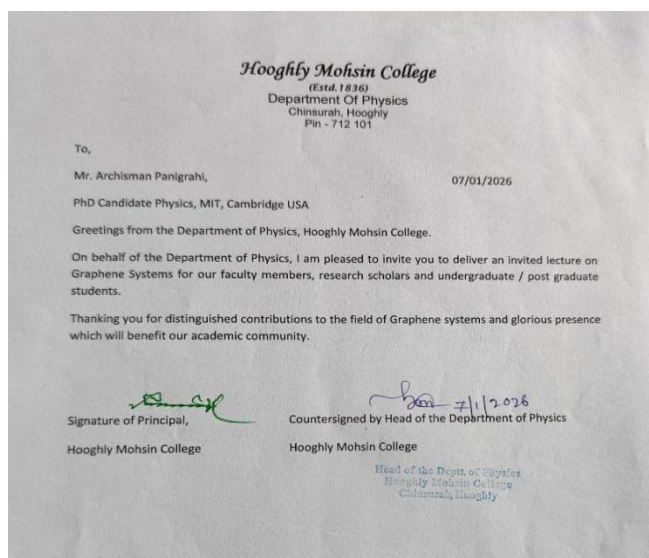
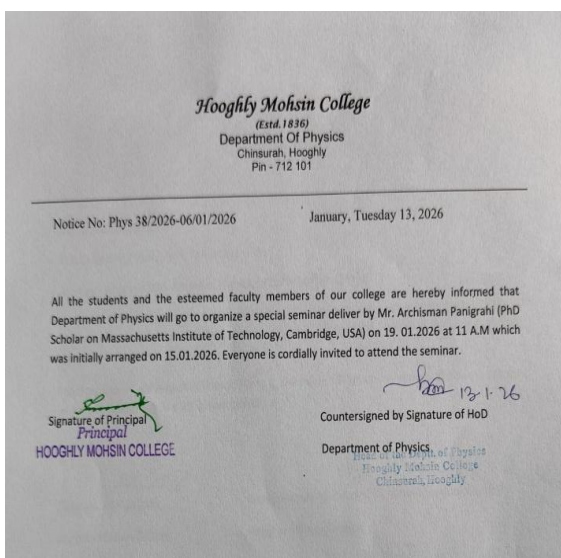
The Department of Physics of Hooghly Mohsin College organized a Departmental Special Seminar on Graphene System on 19/01/2026. The seminar was delivered by Mr. Archisman Panigrahi, a Ph.D. scholar of MIT, Cambridge, USA, whose valuable presentation offered students and faculty members an excellent opportunity to learn about one of the most revolutionary discoveries in modern material science.

The seminar began with an introduction to graphene as a two-dimensional material consisting of a single layer of carbon atoms arranged in a hexagonal honeycomb lattice. Mr. Panigrahi explained the exceptional structural strength, extraordinary electrical conductivity, superior thermal properties, and remarkable flexibility of graphene, which make it one of the most promising materials of the twenty-first century. He also discussed the fundamental physics behind graphene, including the unusual behavior of charge carriers and its significance in condensed matter research.

Special emphasis was given to the wide range of practical applications of graphene in advanced nanoelectronics, high-speed transistors, energy storage devices, solar cells, sensors, biomedical technology, and

flexible electronic devices. The seminar also highlighted the ongoing global research efforts to utilize graphene in next-generation technologies.

The interactive session that followed encouraged students to ask questions and engage in meaningful academic discussions. The seminar greatly enriched the intellectual environment of the department, broadened the scientific outlook of the participants, and inspired students to pursue higher studies and research in frontier areas of physics.



Notice and Invitation Letter to Speaker

Sl. No	Name of the faculty	Department	Sem
1.	Arup Ray	PHYSICS	Ans. by
2.	BRAHMI DAS	PHYSICS	Examination
3.	Bimal Kumar Mondal	Physiology	17/10/26
4.	Swarnalata Brahmachari	PHYSICS	17/10/26
5.	Dr. SURAJ KUMAR KARMAKAR	PHYSICS	17/10/26
6.	ANANYA PAULRAH	Physiology	17/10/26
7.	Dr. SUHA BOSE BANERJEE	Physiology	17/10/26
8.	PRANJIT CHAUDHURI	Physiology	17/10/26
9.	Dr. TRIDIB CHAKRABORTY	Physiology	17/10/26
10.	Dr. Saugik Ghoshal	Physico	17/10/26
11.	DR. UDAY DAS	PHYSICS	17/10/26
12.	DR. GOUTAM KUMAR PAUL	PHYSICS	17/10/26
13.	ANAS CHAKRABARTY	mathematics	17/10/26
14.	SUBRATA GHOSH	PHYSIOLOGY	17/10/26
15.	TIKHA KRITIM ADIKARY	PHYSICS	17/10/26
16.	BIKASH DE	PHYSICS	17/10/26
17.	SUDIP BANDYOPADHYAY	CHEMISTRY	17/10/26
18.	NARAYAN DAS	MATHEMATICS	17/10/26
19.	PAMPA SARKAR	CHEMISTRY	17/10/26
20.	PROFESSOR MONDAL	MATHEMATICS	17/10/26
21.	HIMANSHU BERAHA	PHYSICS	17/10/26

Attendance Sheet

Name of the Programme - Special Seminars
Organized by Department of Physics, Hooghly Mahish College
Date - 17/10/26
Time - 11 AM (Ground Floor, S.R. Bose Building)
Venue - P1

Sl. No.	NAME	DEPARTMENT/SEMESTER
1.	Koushik Ray	CEI
2.	Anirup Fy	CSE
3.	Alisha Shakil	physiology / sem-5
4.	Smita Mondal	Physiology / sem-5
5.	Anindranath Paul	Geology / sem-5
6.	Sayan Saha	physics / sem-5
7.	Ancha Bera	Physics / sem-5
8.	Debjyoti Koley	physiology / sem-5
9.	Shantika Ghosh	Physiology / sem-III
10.	Arunjoy Sen	Physiology / sem-III
11.	Tanya Bose	Physiology / UG sem-III
12.	Shreyo Sarkar	Physiology / UG sem-V
13.	Harish Mondal	Physiology / UG sem-V
14.	Chandranath Mitra	Chemistry / UG sem-III (4 years)
15.	Prady Ghosh	Chemistry / UG sem-III (4 years)
16.	Shantik Das	chemistry / UG sem-III (4 years)
17.	Baitha Mondal	chemistry / UG sem-III (4 years)
18.	Subrata Lakshmi Ghosh	Physics Hons. sem-III
19.	Chaitali Ramani	Physics Hons. sem-III
20.	Sabini Biswas	Physics Hons. sem-III

Sl. No	Name	Department / Semester
40	Bangita Adak	Physiology, sem III
41	Kajal Santra	Physiology, sem III
42	Poulami Das	Physiology, sem III
43	MANISH KUMAR SAHA	Physiology, sem III
44	Priyanka Singh	Physiology, sem III
45	Najiya farheen	Physiology, sem III
46	Seema Prasad	Physiology, sem III
47	Shikharika Kripasindhu Saha	Physiology sem V
48	Rabon Ghosh	Physics sem I
49	Shivan Ghose	Physics sem I
50	Dr. Saugik Rahman	Physics sem I
51	Chandranath Ghosh	Physics sem I
52	Koushik Bandyopadhyay	Physics sem I
53	Kasthika Bhattacharyya	Physics sem V
54	Janu Saha	Maths sem V
55	Sugato Das	Maths sem V

Sl. No.	NAME	DEPT. / Sem.
21	SUHANA SULTANA	Physics Hons. SEM-III
22	Shreyo Saha	Physics Hons. sem-III
23	Jishu Ganguly	Physics Major - sem V (4 years)
24	Aditya Debnath	Physics Major - sem V (4 years)
25	Subham Mukherjee	Physics Hons - sem V
26	Diprangshu Das	Physics Hons - sem V (4 years)
27	Md. Najis Anson	Physics Hons sem V (4 years)
28	Kamran Ansari	Physics Hons - sem I (4 years)
29	Swastika Brahma	Physics Hons sem (4 years)
30	Ankan Seemal	Physics (3 years) Sem - 5th
31	Ripon Haldar	Physics (sem - V) (3 years)
32	Ranadeep Ghosh	Physics (sem - IV) (4 years)
33	Siddhant Kundu	Physics (sem - 3) (4 years)
34	Sourya Sengupta	Physics (sem - 3) (4 years)
35	Saika Das	Physiology (sem - II) (4 years)
36	Tanuja De	Physiology (sem - III) (4 years)
37	Devi Ghosh	Physiology (sem - III) (4 years)
38	Trilok Das	Physiology (sem - III) (4 years)

22. Name of the faculty Department Signature
22. Sisir Kumar Chatterjee English 17/10/26
23. Anis Kumar Paul Physiology 17/10/26

Attendance Sheet



Some Glimpses of the Program