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- **TITLE OF EVENT/ PROGRAMME (SEMINAR/ WEBINAR/ WORKSHOP/EXTENSIONLECTURE/ EXTENSIONACTIVITY/ANYOTHERACTIVITY):** Journey of the molecular world using theory and computation
  - **THEME OF THE EVENT/PROGRAMME:** Alumni Lecture series: Alchemist
  - **ACADEMIC SESSION:** 2023-2024
  - **DATE:** 27th February, 2024
  - **VENUE:** Seminar Hall, Centenary Building, Asutosh College
  - **OBJECTIVE/PURPOSE:**

This particular Alumni Lecture series: Alchemist was kept open to all candidates with the larger aim of knowledge transfer to the willing candidates (students and faculties of Asutosh College and others). The sole purpose of conducting this Alumni Lecture series in the Department of Chemistry is to provide the participants, to interact with their pass-out senior.

- **SPEAKER/S / RESOURCE PERSON/S:**

The guest speakers were Dr. Sutirtha Narayan Chowdhury, R&D Engineer, Intel Corporation, USA.

- **TARGET AUDIENCE/PARTICIPANTS:**

UG and PG Students and faculties of Asutosh College as well as other colleges and Universities

- **ATTENDANCE SHEET:** Attached

- **BRIEF REPORT ABOUT THE EVENT/PROGRAMME:**

The Department of Chemistry organized the one-day Alumni Lecture series on Journey to the Molecular World using Theory and Computation. The guest speaker was Dr. Sutirtha Narayan Chowdhury, R&D Engineer, Intel Corporation, USA.

Dr. Sutirtha Narayan Chowdhury has completed his Bachelor of Science from Asutosh College in 2013. He completed his masters from Indian Institute of Technology (IIT) Chennai, Chennai, India and Ph.D from University of Rochester, Rochester, NY Doctor of Philosophy, Computational.



The students were very much encouraged to raise their queries during the entire session and clear their doubts.

➤ **EXPECTED OUTCOME:**

The power of theory and computation is beyond our imaginations. The success of modern-day science and technology largely depends on theory and method development & computational research. With the help of powerful supercomputers, we were able to simulate the celestial object-like blackhole images to the motion of tiny microorganisms. In this talk, I will deliver a high-level idea of theory and computational research and its application to Chemistry, Physics, and beyond. I will summarize my research findings in the kinetics of single molecule nanocatalysis to quantum dynamics theorems on Charge transfer (Electron, proton) and photon-induced chemical reactions. This lecture will provide broad aspects of theory and computation towards modern-day research topics.

PRINCIPAL  
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92, S. P. MUKHERJEE ROAD  
KOLKATA-700 026

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➤ **GEO-TAGGEDPHOTOGRAPHS:**

**ASUTOSH COLLEGE**  
92, S.P. MUKHERJEE ROAD, KOLKATA - 26  
Alumni Lecture Series 2024  
**ALCHEMIST**  
JOURNEY TO THE MOLECULAR WORLD  
USING  
THEORY AND COMPUTATION  
Organised By  
**DEPARTMENT OF CHEMISTRY**  
In collaboration with  
**IQAC, ASUTOSH COLLEGE**  
Speaker:  
**SUTIRTHA NARAYAN CHOWDHURY**  
R&D Engineer  
Intel Corporation, USA  
Tuesday, 27th February 2024  
1 P.M. Onwards  
Venue: Seminar Hall, Centenary Building, Asutosh College.



  
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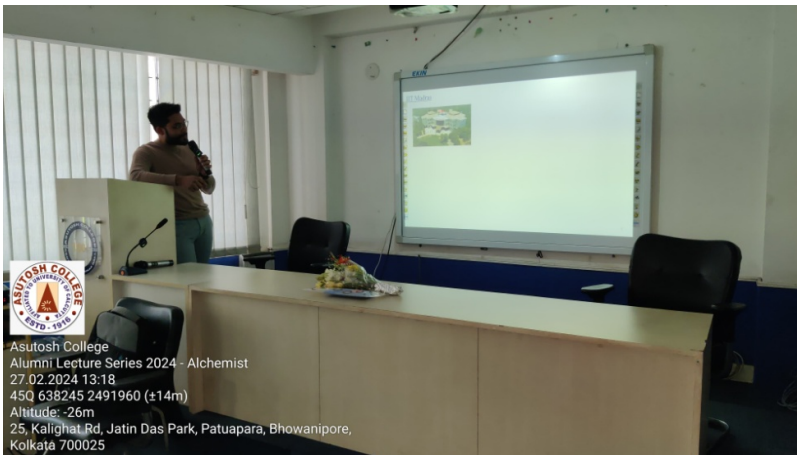
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Asutosh College  
Alumni Lecture Series 2024 - Alchemist  
27.02.2024 13:18  
45Q 638245 2491960 (±13m)  
Altitude: -26m  
25, Kalighat Rd, Jatin Das Park, Patuapara, Bhowanipore,  
Kolkata 700025



Asutosh College  
Alumni Lecture Series 2024 - Alchemist  
27.02.2024 14:33  
45Q 638247 2491960 (±14m)  
Altitude: -26m  
25, Kalighat Rd, Jatin Das Park, Patuapara, Bhowanipore,  
Kolkata 700025



Asutosh College  
Alumni Lecture Series 2024 - Alchemist  
27.02.2024 13:18  
45Q 638245 2491960 (±14m)  
Altitude: -26m  
25, Kalighat Rd, Jatin Das Park, Patuapara, Bhowanipore,  
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Asutosh College  
Alumni Lecture Series 2024 - Alchemist  
27.02.2024 13:18  
45Q 638238 2491948 (±127m)  
Altitude: -26m  
26, Kalighat Rd, Jatin Das Park, Patuapara, Bhowanipore,  
Kolkata 700025



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## ATTENDANCE SHEET

NO OF PARTICIPANTS PRESENT: 53

Day - J 27.12.24

ALCHEMIST : ALUMNI LECTURE SERIES  
-1

Speaker : - Subirtha Choudhury, R&D Engineer, Intel Corp., US  
Topic - Journey to the Molecular World, with Theory and Computation

Faculty Members :-

1. Dr. Keya Ghosh.
2. Dr. Ipsita Bhattacharya
3. Dr. Anrita Roy.
4. Nilkanth
5. Dr. Manas Kumar Biswas

Students :-

1. Ankur Das	19. Saanchita Gisi.
2. Soumitra Moitra.	20. Tamal Pakrasi
3. Sriraj Majumder.	21. Shayan Paul
4. Ritam Mandal.	22. Prayanshu Nandi
5. Chayan Samanta.	23. Ayan Debnath
6. Pratyusha Das	24. Anirca Mondal.
7. Shreyani Banerjee	25. Sultana Ruki
8. Poulomi Basak	<del>26. Sr. Sahil Rahman.</del>
9. Shrabanti Nath	27. Md Sayed Anwar
10. Subarna Ghosh	28. Aditya Kumar
11. Shikha Mishra	29. Somashree Dinda
12. Agnik Kumar Halder.	30. Sagnik Chakraborty
13. Nilan Mandal	31. Debatma Chatterjee
14. Akhira Pal	32. Priya Roy.
15. Smitama Maiti	33. Pratayee Manna.
16. Sanjukta Patra	34. Rishi Das.
17. Debnatta Halder.	35. Farhad Khan
18. Nitaran Talukder.	36. Rohan Mondal.
	37. Manish Ali Khan

  
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38. Aastha Baidya  
39. Suruti Mazumdar  
40. Ritwika Samaddar  
41. Whitta Das  
42. MD SHAHIL  
43. Ankan Roy  
44. Ruwaida Sultana  
45. Sou. Debanjana Das  
46. Piku Delanath  
47. Joy Janta  
48. Dildar Hussain

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