


A VIRTUAL STUDENT
ENRICHMENT PROGRAM


STUDENT SEMINAR 2021

Sem IV and Sem VI


June 29, 2021
FROM 4 PM



Google Meet



DEPARTMENT OF PHYSICS
SURENDRANATH COLLEGE
(UNDER DBT-STAR COLLEGE SCHEME,
GOVT. OF INDIA)



Student Seminar 2021

June 29, 2021

Students of Semester IV and VI

Department of Physics,
Surenthranath College.

The seminar was conducted in Google Meet platform. The seminar was attended by Physics Hons students of semester II, IV and VI, and also the faculty members of the Department of Physics. The students were grouped earlier for the presentation and they were asked to select a topic and prepare the presentation on it. One student from each group presented their work on 29th June 2021. A total of seven presentations were there.

Semester IV:

01. "Cryptography", by Eram Tanwir, Deepanwita Das, Snehashis Mandal, and Santanu Moi.
02. "de Broglie wave is merely a wave of not achieving simultaneity", by Soumyadeep Mandal, Shuvrangshu Hait, and Arin Bhattacharya.

03. “Game Theory Analysis of E-Commerce’s Price War”, Nilay Sankar Chattopadhyay, Subha Pritam Pal, and Ishan Saha.

Semester VI:

01. “Landau Theory of the Nematic Isotropic Phase Transition”, by Poushali Mallick, Abhasita Das Munshi, Indranil Sadhya, and Rohit Thapa.
02. “Gravitational Waves and its Detection”, by Budhaditya Das, Rajibul Islam, Avijit Sen Majumder, Jamal Uddin, and Rajdeep Saha.
03. “The Fourth State of Matter: Plasma”, Sudipta Ghosh, Tanmoy Nath, and Sujoy Sadhukan.
04. “Time Independent Non-Degenerate Perturbation Theory”, by Argha Deb.

The presentations were judged by three judges, Aritra Ghosh (Prime Minister's Research Fellow, School of Basic Sciences, IIT Bhubaneswar, India), Dr. Purnendu Prakash Pal (Department of Physics, Surendranath College), and Dr. Asok Kumar Das (Department of Physics, Surendranath College). Depending on the writing, presentation, time management, and question answer session the student presentations were finally graded.

Final grades on student seminars

Judges: Purnendu Prakash Pal, Asok Kumar Das and Aritra Ghosh¹

Date: 30th June 2021

Each judge has awarded marks to each group of students based on their overall performance out of 50 as per the guidelines mentioned in an earlier notice. The final score of each group of students (out of 150) is then scaled down to a 1-10 scale and is expressed below.

- Poushali et al. on liquid crystals: 5.4/10
- Budhaditya et al. on gravitational waves: 7.4/10
- Sudipta et al. on plasma: 6.07/10
- Argha on time independent non-degenerate perturbation theory: 6.8/10
- Iram et al. on cryptography: 6.53/10
- Nilay et al. on game theory: 6.33/10
- Soumyadeep et al. on de Broglie waves: 6.2/10