

Flyer of the Webinar on “Scientists and their Contributions” held on 20-05-21

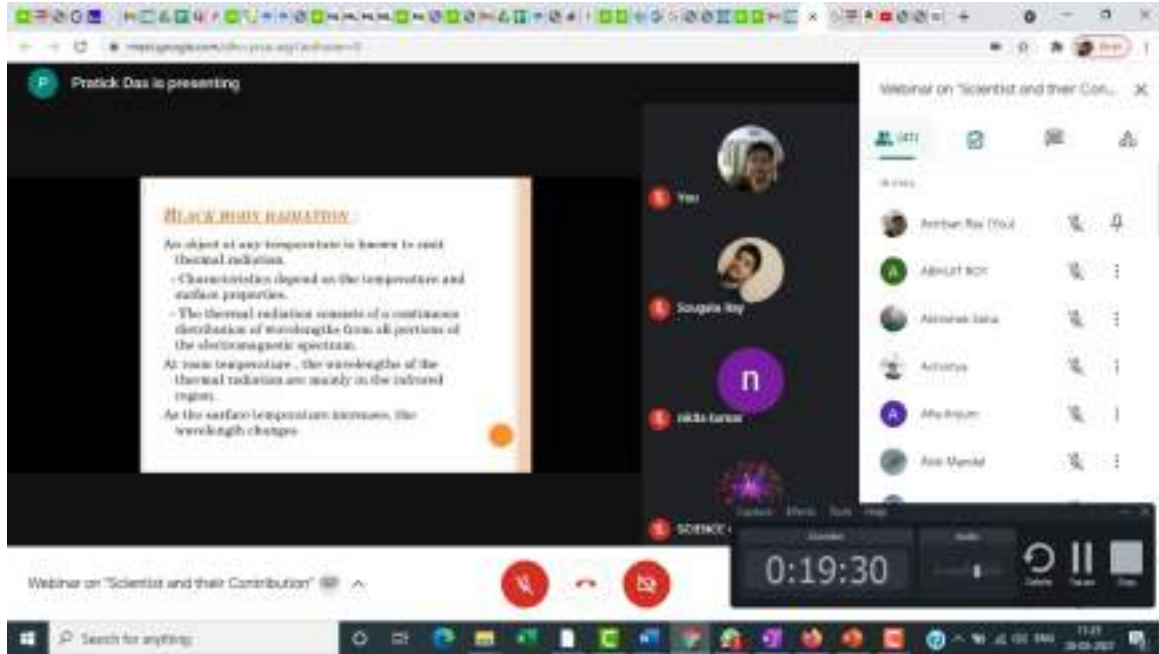


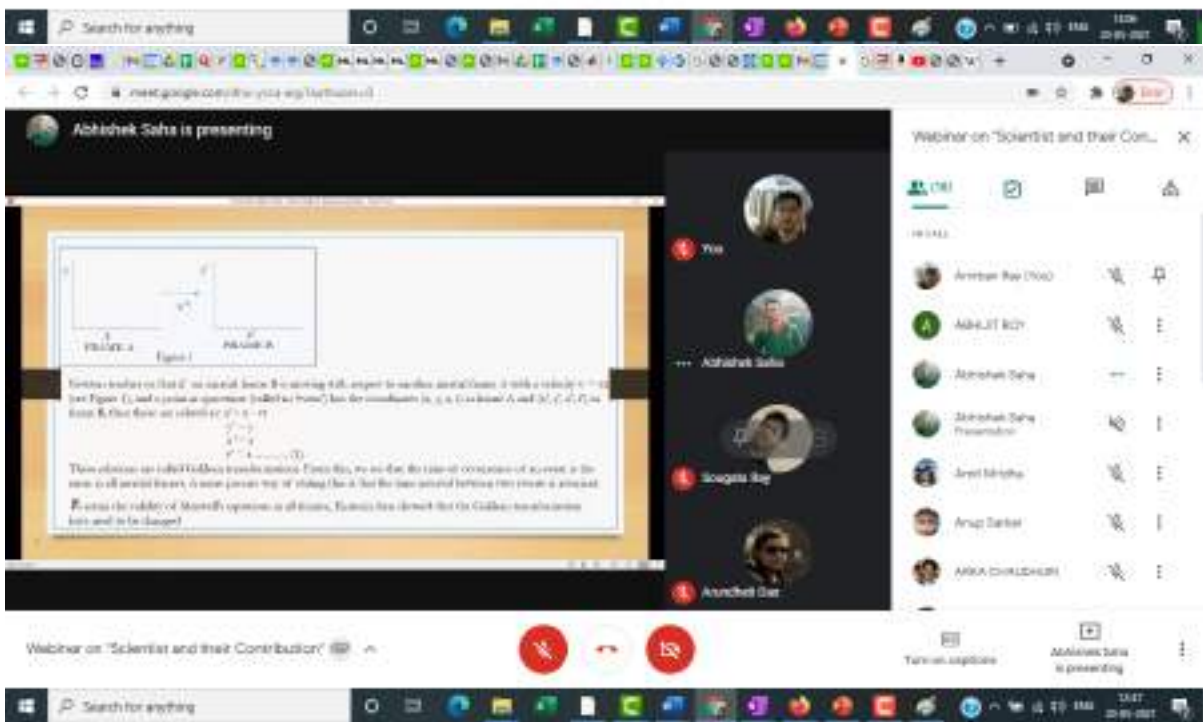
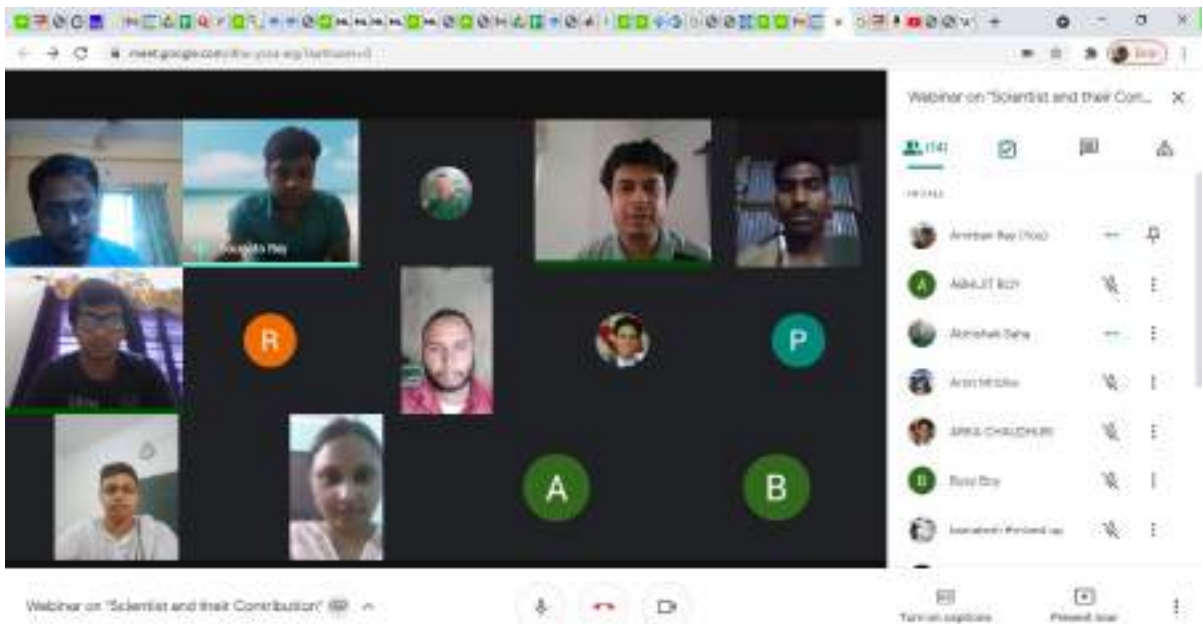
Attendance for the Webinar on “Scientists and their Contributions” held on 20-05-21

Sl No	Name	Designation
1	Dr. Anirban Ray	HOD, Dept of Physics
2	Dr. Arka Chaudhuri,	Assistant Professor, Dept of Physics
3	Ms. Tajnur Khatun,	SACT, Dept of Physics
4	Sadhan Biswas	SACT, Dept of Physics
5	Priyanka Chaudhuri	SACT, Dept of Physics
6	Rakesh Sarkar	Assistant Professor, Dept of Mathematics
7	Sougata Ray	Student, 4 th Sem, Dept of Physics
8	Abhisek Saha	Student, 4 th Sem, Dept of Physics

9	Sanjay Paul	Student, 4 th Sem, Dept of Physics
10	Amit kr. Mridha	Student, 4 th Sem, Dept of Physics
11	Nikita kr. Paul	Student, 2 nd Sem, Dept of Physics
12	Sneha Karmakar	Student, 2 nd Sem, Dept of Physics
14	Ratna Paul	Student, 2 nd Sem, Dept of Physics
15	Barnali Paul	Student, 4 th Sem, Dept of Physics
16	Abhijit Roy	Student, 2 nd Sem, Dept of Physics
17	Sneha Nag	Student, 4 th Sem, Dept of Physics
18	Kamlesh Paul	Student, 2 nd Sem, Dept of Physics
19	Tapan Sen	Student, 4 th Sem, Dept of Physics
20	Riju Bhowmick	2 nd Sem, Dept of Physics
21	Arundhati Das	2 nd Sem, Dept of Physics
22	Pratick Das	Student, 2 nd Sem, Dept of Physics
23	Ritam Das	Student, 2 nd Sem, Dept of Physics
24	Sumana Ghosh	Student, 2 nd Sem, Dept of Physics
25	Alok Mandal	Student, 4 th Sem, Dept of Physics
26	Anup Sarkar	Student, 4 th Sem, Dept of Physics
27	Satyam Saha	Student, 3 rd year, Dept of Physics

28	Afia Anjum	Student, 4 th Sem, Dept of Physics
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Pratik Das is presenting

PLANCK'S ASSUMPTION - I

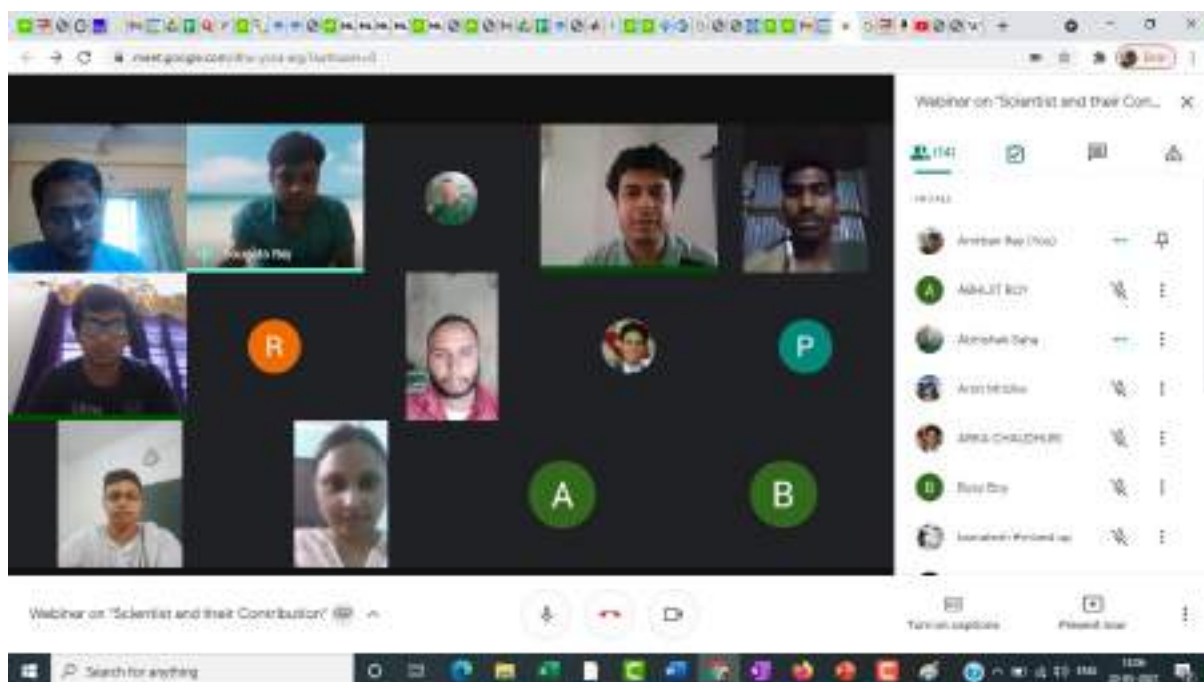
- The energy of an oscillator can have only certain discrete values E_n .
- $E_n = n h \nu$
- n is a positive integer called the quantum number.
 - ν is the frequency of oscillation.
 - h is the Planck's constant.
- Thus the energy is quantized.
- Each discrete energy value corresponding to a different quantum state.
- Each quantum state is represented by the quantum number, n .

Webinar on "Scientists and their Contribution" 0:22:01

Abhishek Saha is presenting

These values are called **allowed energy values**. From this, we see that the total energy of an electron in the atom is **quantized**, it can possess only a definite value. It is this **discrete energy value** that creates a **line spectrum**. Because the stability of Matter's structure is of course, electrons have discrete but the Coulomb force is continuous and will be changed.

Webinar on "Scientists and their Contribution" 0:22:01



Video-recording of the entire event has been uploaded to YouTube. Link of that video is <https://www.youtube.com/watch?v=Rtn65xc3DDE>

Anirban Ray

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