

Report on
Talk on “Interactions of Light with Matter”



Prof. Tarasankar Pal, IIT Kharagpur, delivered a speech on the topic "**Interactions of Light with Matter**" on 26th February, 2019, at the Arts Seminar Hall. The program was organized by Department of Chemistry, Bahona College. Dr. Parinita Borah, HoD of Chemistry offered a short introduction of Prof. Tarasankar Pal and he was felicitated with a gamocha. Dr. P.K Dutta, Principal of the college offered a brief welcome speech.

In his speech, Prof. Tarasankar Pal talked about the basic concepts of electromagnetic wave as well as light. He elaborately talked how light interacts with matter and the consequences of the interaction. In this talk, he briefly explained that light-matter interactions are fundamentally quantum electrodynamical and in many cases, are described as quantum transitions by electrons, accompanied by the emission, absorption or scattering of quanta of the electromagnetic field in vacuum (photons). Prof. Tarasankar Pal also gave some ideas to the participants about his research fields and the research done so far. At the end of his speech, faculties and students interacted with him and he nicely addressed all the queries and questions raised from the participants.

The speech was attended by around 65 students and 34 faculties. Dr Digonta prasad Gogoi, Assistant professor of Dept. of Physics, Bahona College, offered vote of thanks at the end of the program.

A few photographs of the program are attached.

