

Report on Two days workshop on Astronomy and Astrophysics for college teachers

Government Girls' General Degree College

18.12.2022

Two days workshop on Astronomy and Astrophysics for college teachers was organised by the Department of Physics, Government Girls' General Degree College during November 17-18, 2022 as a part of SERB Scientific social responsibility scheme. This was largely tuned to the syllabus on astronomy and astrophysics that we offer as an elective paper at the undergraduate level of the affiliated colleges under the University of Calcutta with an aim to promote interaction and collaboration among the faculty members of colleges and the University.

In the inaugural function, our Principal, Prof. S. A. Alquadri in her speech highlighted the importance of Astronomy and Astrophysics. Prof. Supratik Pal, Indian statistical institute, Kolkata delivered a lecture on "*Hubble to James Webb: 100 Years of Sky Watching*". *Active Galactic Nuclei and Their Observations with the Indian Space Telescope AstroSat* were discussed by Prof Ritaban Chatterjee of Presidency University. Prof. Sourav Bhattacharya and Prof. Soumen Mondal of Jadavpur University delivered lectures on *Loops in primordial cosmic inflation* and *Ideal E/IMRI vs Real E/IMRI: Constraining the Black Hole parameters using gravitational wave* respectively. Prof. Gautam Gangopadhyay of the University of Calcutta spoke on *Nucleosynthesis*. Prof. Punarbasu Chaudhuri of the University of Calcutta expressed his experience about his journey to Antarctica under the title *The sunny night -a tale of Antarctica*. Our target participants were the 25 faculty members from different colleges. Students were also present to attend those lectures. The event was very successful both in terms of participation and interaction. Dr. Soma Mandal, Principal Investigator, SERB-DST project coordinated this SERB funded workshop with the help of Dr. Koel Adhikary Department of Physics and Dr. Kaushiki Mukherjee from the Department of Mathematics.



Figure 1: Some glimpses of the workshop.