



**DCT's**  
**Dhempe College of Arts and Science Miramar, Panaji-Goa**

**Report on Solar Workshop organised by Department of Physics on 2<sup>nd</sup> September 2023**

Quarks Club, Department of Physics in collaboration with Association of Friend of Astronomy organised Solar Workshop to the students of the College under DBT Star College Scheme on 2<sup>nd</sup> September 2023.

**Objective**

To gain better understanding about solar science

Total No. of Participants 97 students and 12 faculties took the benefit of the program

**Proceedings**

Quarks Club, Department of Physics in collaboration with Association of Friend of Astronomy organised Solar Workshop to the students of the College under DBT Star College Scheme on 2<sup>nd</sup> September 2023. The workshop had following components

1. Sun spot Observation
2. Talk by Mr. Satish Nayak, President Association of Friends of Astronomy, Goa on Solar Science and Aditya L1 mission
3. Live streaming of Aditya L1 launch.



- The workshop started at 8:30 a.m. wherein both students and faculty members eagerly volunteers to observe the sunspots .The event took place on the college Terrace, where participants had a clear view of the sunspots. The sunspots are regions on the surface of the sun where the magnetic field is approximately 2500 times stronger than the Earth's magnetic field makes it significantly higher than anywhere else on the sun. The resource person for the session was Mr. Sumukh Kamat F.Y.B.Sc. Student and Mr. Tanay Govekar, S.Y.B.Sc. Student of the college. 97 students and 12 faculties took the benefit of the programme





- Mr. Satish Nayak, President Association of Friends of Astronomy, Panaji was invited to deliver a talk on Solar Science. In the talk he provided students with a brief overview of the sun, which is a superhot ionised gas known as plasma. He also explained how the Sun's surface and the atmosphere are in constant change due to the magnetic forces generated by the continuous motion of the plasma. He also emphasised that by studying the sun one can gain better understanding towards the ever-changing conditions that impact not only the earth but also the other celestial bodies.

Further, in his talk he briefed students about Aditya L1 launch. He explained them about the five Lagrange points and also told them that in Aditya L1 launch the satellite which was scheduled to be placed in a halo orbit around the Lagrange point 1 called in short as L1 of the sun-earth system, which is about 1.5 million Km from the earth. Further, he said that this mission will help in viewing the Sun without any eclipses there by observing the solar activities and its effect on space weather in real time. 82 students and 3 faculty were present during the event.



- Aditya L1 launch was scheduled on 2<sup>nd</sup> September 2023. To commemorate the event Quarks club of the department made arrangement to telecast the live launching of the Aditya L1 mission. 30 students and 5 faculty were present during the launch.





The event was coordinated by Dr. Miskil Naik. Principal Prof. Vrinda Borker welcomed the resource person, Dr. Swati Pawar briefed the students about the sun spot Ms. Ridhi Alornekar presented floral welcome and Ms. Siddhi Parsekar presented vote of thanks.

### Outcome

In all the three session overwhelming response was received . Particiapnts understood the Solar sun spot phenomena and witnessed the launch of India's First solar mission Aditya L1.

Prof. Vrinda Borker  
Principal

Dr. Swati Pawar  
Head, Department of Physics

Dr. Miskil Naik  
Event- Coordinator