1. **Name of the programme:** National level Webinar on **"An insider's look at space missions**."

2. Date: 22/07/2020 (2.30 P.M. to 4.00 P.M.)

3. Organized by: Department of Physics, B. N. College, Dhubri.

(Under the banner of DBT star college scheme)

4. Name of resource person: **Dr. Sayan Adhikari**

Postdoctoral Fellow

Section for Plasma and Space Physics

Department of Physics

University of Oslo

Norway

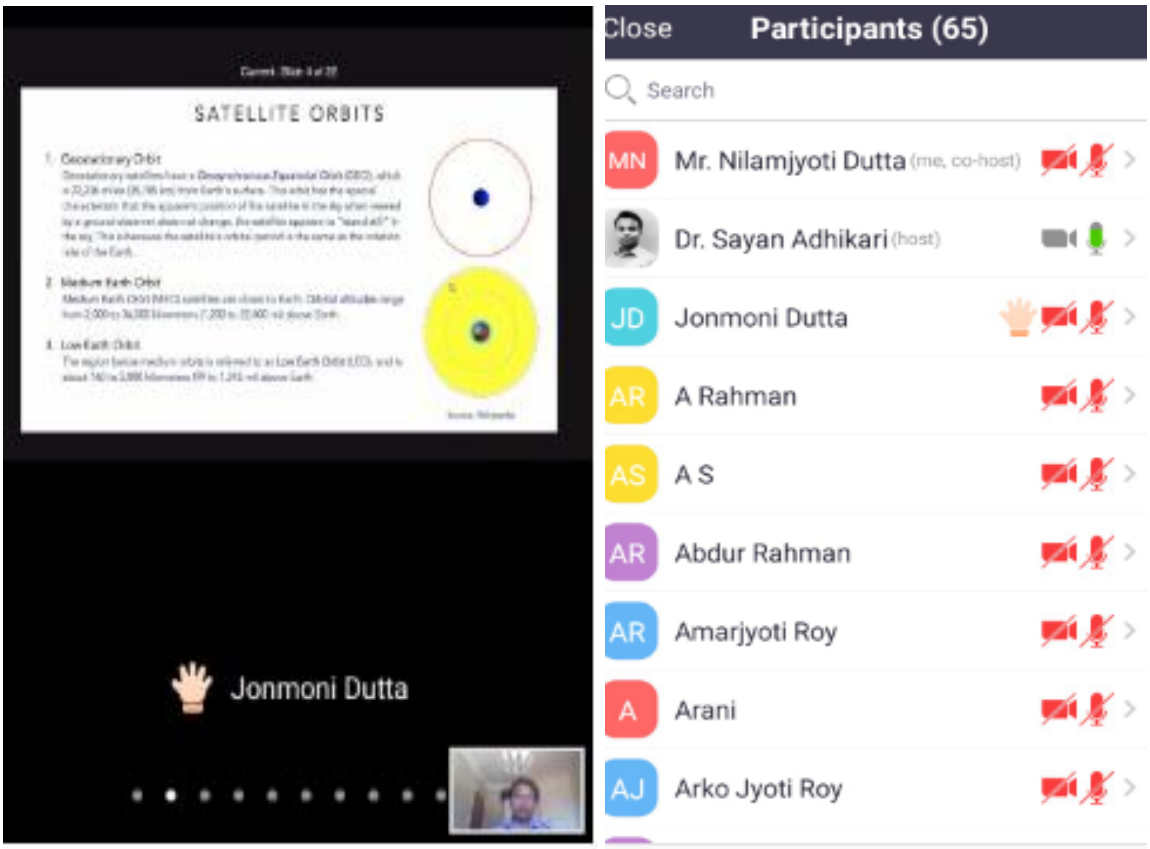
5. Numbers of participant: 65 (Faculty and student)

6. **Online platform:** Zoom

In the last few years, India has made a remarkable contribution to the space research field. When we talk about India's space research, then at the beginning, we have to mention the name of Prof. Vikram Sarabhai. Vikram Ambalal Sarabhai was one of the greatest scientists of India. He is widely regarded as the father of the Indian space program. Prof Sarabhai was a rare combination of a scientist, an innovator, an industrialist, and a visionary. Vikram Sarabhai was born on August 12, 1919, at Ahmedabad. This year 2020 is celebrating as the birth centenary year of Vikram Sarabhai to tribute and respect him by many institutes of India like ISRO. In connection to that Physics department of B N College, Dhubri also decided to organize a lecture on space research and dedicate the same to the greatest scientist of India. For this purpose, we invite Dr. Sayan Adhikary to provide a speech on the topic **"An insider's look at space missions."**

Before starting the formal speech by the resource person, a short introduction and inauguration session was accomplished, where Mr. Nilam Jyoti Dutta, co-ordinator of the webinar, addressed the purpose of the webinar. Mr. Dutta briefly explains the contribution of Prof Vikram Sarabhai towards India space research from the second floor of a church located at Thumba near the seashore to the Moon mission. He also introduced

the resource person with the participants. Then the program was formally inaugurated by Dr. Dhruba Chakrabortty, principal, B. N. College, Dhubri.



In the webinar, Dr. Adhikary started his speech right from the creation of energy in star and basic Newtonian physics behind the projection of satellite in orbit. He has discussed the underlying physics of launching various satellites and about different obstacles and precautions that have to maintain during the projection of the satellite. Dr. Adhikary demonstrated one python program to visualize the dependence of multiple physical properties during the launching of the satellite. The formal speech was ended with a lively interaction session of about half an hour. At last, the webinar was concluded with the formal vote of thanks from Mr. N. J. Dutta departmental co-ordinator of DBT star college scheme B. N. College, Dhubri.

As the convenor of the webinar, I would like all the participants throughout the country. Also want to thank faculties of the different institute for naming a few, Dr. S. Devasankar and Dr. Mahadevan, Tamilnadu, Dr. Vivek Patnaik, Odisha, Dr. Gautam, Hariyana, Devashree, USTM, Dony, Nagaon, Hemen Da, Nalbari, Mousumi ba, Sipajhar, Kuldeep da Tihu, Upakul sir, Pathsala and others. They have helped me to reach their student. Last but not least, I would also like to thank all the members of the physics department of the college, respected Principal Sir, co-ordinator DBT star college scheme, Dr. SenGupta maam, for their help and motivation.

Convenor,
Mr. N. J. Dutta
Dept. Co-ordinator,
DBT star college scheme
B. N. College, Dhubri

Department of BioTechnology, Government of India

सत्यमेव जयते

DBT (Star College Scheme) sponsored

"National level webinar"

"An insider's look at space missions"

Speaker: Dr. Sayan Adhikari,
Postdoctoral Fellow, Section for Plasma and Space Physics,
Department of Physics,
University of Oslo, Norway

Online Platform
ZOOM

https://uio.zoom.us/j/64822249065?pwd=cVN6dXVtWGxJSnhvdG50a05nMktWQT09

Organize by:
Department of Physics,
B. N. College, Dhubri, Assam

Date: 22.07.2020 Time: 2.30-3.30 P.M.