



**Government of Rajasthan
Department of Science & Technology
Shastri Nagar, Jaipur**

Announcement

Department of Science and Technology (DST), Government of Rajasthan is announcing an astronomical activity for the young and curious enthusiasts.

DST Rajasthan in collaboration with International Astronomical Search Collaboration (IASC) announcing “**DST- Rajasthan Asteroid Search Campaign**”.

Date of upcoming campaign is as follows:

1.)	3 rd May- 28 th May, 2021	30 Teams
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By participating in this campaign students will be provided with high quality astronomical data to analyze. They are able to make original astronomical discoveries and participate in hands-on astronomy sitting at home at NO COST!!

Preference will be given to shortlist at least one team from each District of Rajasthan. Exceptional teams outside the province of Rajasthan shall also be considered.

Form starting Date: 25th March, 2021

Eligibility: Students from 10th class onwards (in a team of 4 students at max)

Registration: Online through Google form submission (*Link:* <https://bit.ly/3b12Yjx>)

Deadline: 15th April, 2021, 1100 hrs

Selection criteria will be based on mainly two parameters: Prior exposure to field of Astronomy & your motive to participate in this campaign.

Short-listing of teams: A separate mail will be sent only to shortlisted teams for the campaign on or before 30th April, 2021

Correspondence: rscspjaipur [at] gmail.com

Secretary
Department of Science & Technology
Government of Rajasthan

About Organising Collaboratory

The International Astronomical Search Collaboration (IASC) is a citizen science program. It provides high quality astronomical data to citizen scientists around the world. They are able to make original astronomical discoveries and participate in hands-on astronomy.

Standard Operating Procedure of “DST- Rajasthan Campaign”

Step-1: Registration by applicants (team) through Google Form.

Step-2: Short-listing of teams by experts.

Step-3: Training of team members to teach basic data analysis.

(through Zoom/ teamviewer/ hangouts/ skype or any other webinar platforms).

Step-4: Allotment of astronomical data to each team by experts.

Step-5: Login and download the data from IASC website.

Step-6: Analysis of data by each individual team.

Step-7: Preparation of Report by respective teams of their findings.

Step-8: Submission of Report to IASC and DST- Rajasthan.

Step-9: Announcement of Discoveries by IASC.

Step-10: Distribution of Certificate.

Training of shortlisted team members

All shortlisted team members will be trained via Cisco webex/ teamviewer/ hangouts or other webinar platforms sitting at home, in order to follow the precautionary measures by Government.

Basic steps of analysis and using of software will be taught and practised by team members.

Each team will submit a basic report to IASC and DST Rajasthan if they find out any astronomical object during their analysis.

About Software: Software to be used for analysis of data is “Astrometrica”

It is publically available software of file size (not more than 10 MB), which is compatible for windows operating system only. It may be downloaded from: <http://www.astrometrica.at/>

Announcement of Discoveries

There will be an announcement of possible discoveries at preliminary level by end of the campaign. After campaign ends, all teams will be provided with the certificate of appreciation if they actively participate and analyse data on time.

Correspondence

Feel free to mail if you face any difficulty or errors during analysis of astronomical data provided to you: **rscspjaipur [at] gmail.com**