

3rd TAMILNADU ASTEROID SEARCH CAMPAIGN 2023



 OPEN SPACE
FOUNDATION

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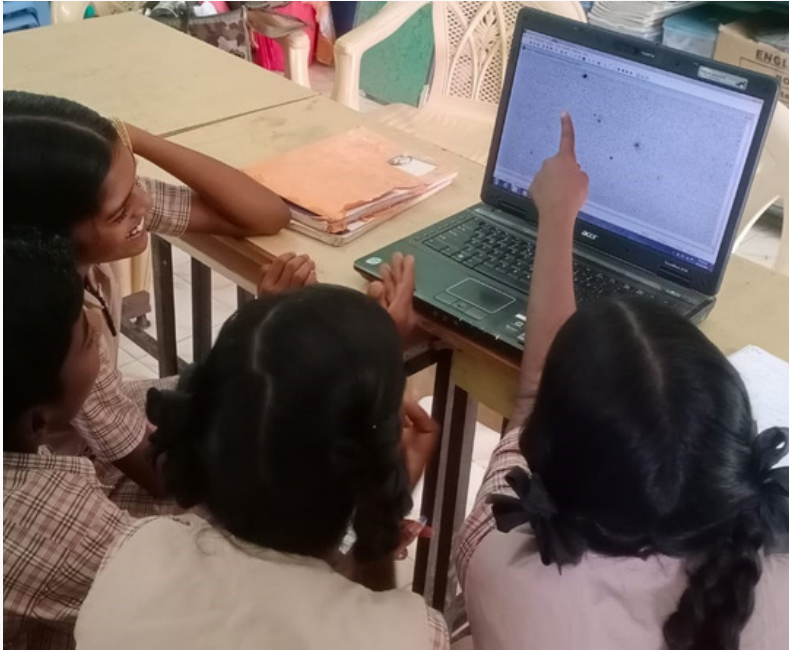
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About Us



Open Space Foundation (OSF) is a youth led Non-profit organization committed to introducing astronomy to students in a direct and engaging manner. Our primary aim revolves around ensuring that astronomy becomes accessible to all, fostering a shared journey of discovery among educators, learners, and science enthusiasts. Recognized as a registered space tutor of ISRO, OSF actively contributes to advancing space education and exploration.

Students of Tamilnadu Discovering Asteroids !



Tamilnadu Asteroid Search campaign is a part of worldwide Citizen Science program that is organized in association with International Astronomical Search Collaboration (IASC) and NASA. OSF plays a significant role in driving this opportunity to the students of Tamilnadu by organizing TN Asteroid Search Campaign every year.

Open space foundation is set on the dream mission of taking astronomy to the little hands of potential students in the rural streets across the state. Tamilnadu Asteroid Search Campaign is one such initiative by OSF in which the students are empowered to play an instrumental role as Citizen Scientists in discovering new Asteroid signatures thereby involving in real-time research. Their discoveries are found to be very significant for the global protection from potential asteroid impacts.

Our Citizen Scientist Teams



TN OSF1

**Dr. N.G.P. Arts and Science College
Coimbatore District**



TN OSF2

**AVM Public Matriculation Higher
Secondary School
Sivagangai District**



TN OSF3

**Government Model School
Ariyalur District**



TN OSF4

**Panchayat Union Middle
School, Bettathapuram
Coimbatore District**



TN OSF5

**Panchayat Union Middle
School, Uthiramerur
Kancheepuram District**

Our Citizen Scientist Teams



TN OSF6

**Panchayat Union Middle School, Rakkipalayam
Coimbatore District**



TN OSF7

**Panchayat Union Middle School, Veerakeralam
Coimbatore District**



TN OSF8

**Panchayat Union Middle School, Periyanaickenpalayam
Coimbatore District**



TN OSF9

**Shri Nehru Maha Vidyalaya College of Arts & Science
Coimbatore District**



TN OSF10

**Panchayat Union Middle School, Edayathankudi
Ariyalur District**

Our Citizen Scientist Teams



TN OSF11

**Rabiammal Ahamed Maideen
College for Women
Thiruvarur District**



TN OSF12

**Corporation Middle
School, Thudiyalur
Coimbatore District**



TN OSF13

**Corporation Middle
School, Thudiyalur
Coimbatore District**



TN OSF14

**Mar Athanasius College of Engineering
Ernakulam District**



TN OSF15

**Subham Vidya Mandir
Nagapattinam District**

Our Citizen Scientist Teams



● **TN OSF16**
Panchayat Union Middle School, Chinnamuthur Tiruppur District



● **TN OSF17**
Government Girls Higher Secondary School, Palacode Dharmapuri District



● **TN OSF18**
Open Science centre Namakkal District



● **TN OSF19**
Jamal Mohamed College Tiruchirappalli District



● **TN OSF20**
Government Girls Higher Secondary School Krishnagiri District

Our Citizen Scientist Teams



TN OSF20
Government Girls Higher
Secondary School, Anthiyur
Erode District



TN OSF20
T.S.A. Higher secondary school
Coimbatore District

Participation



15 Schools



106 Students



5 Colleges

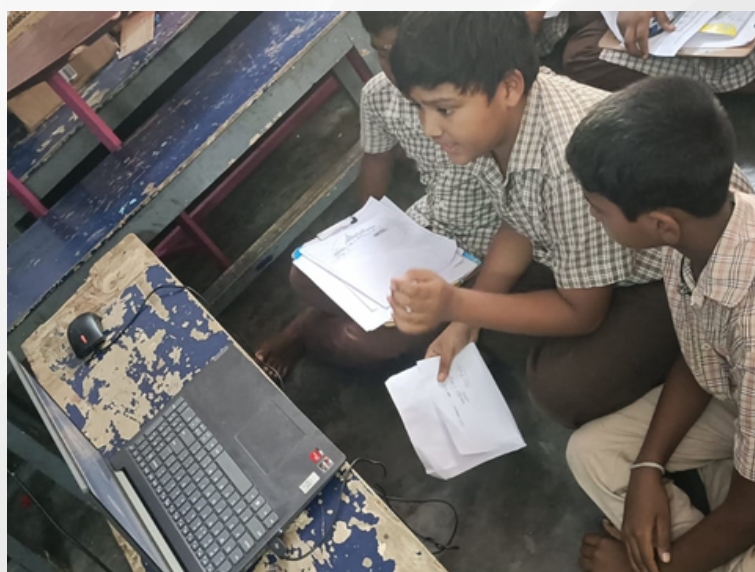
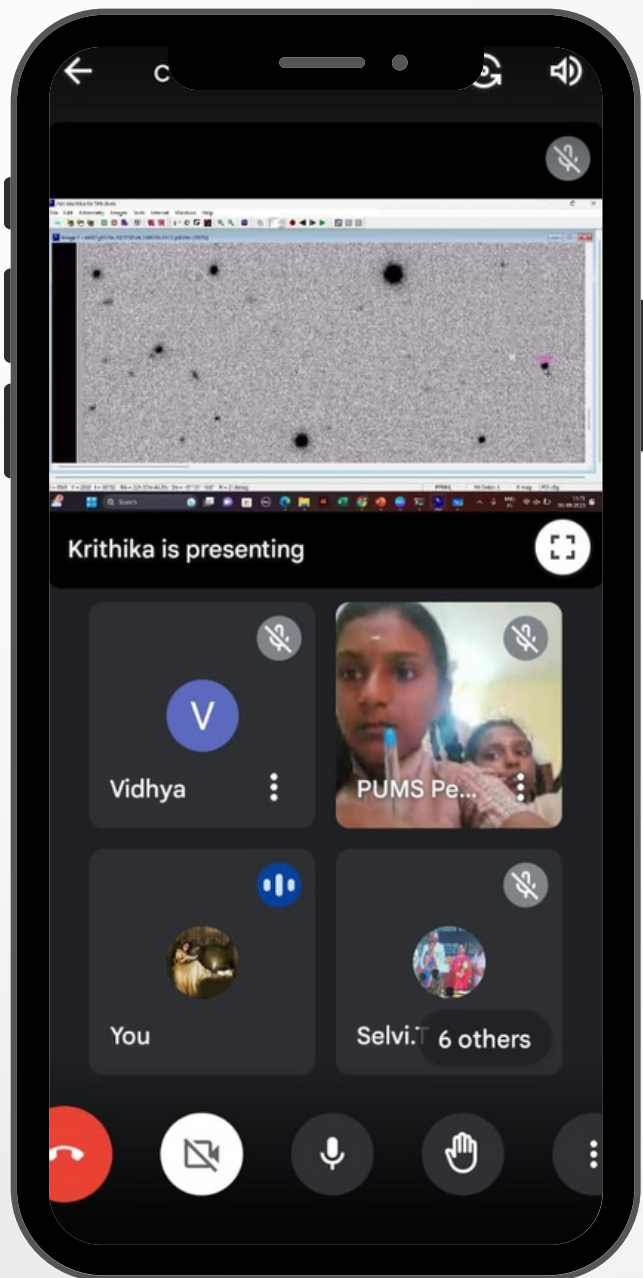


22 Teachers



Male Female

A Visual story of our Training adventure to hunt the asteroids



The teams engaged in a two month (August & September) training program, both online and offline mode.

The journey of TN Asteroid Search Campaign 2023



The Tamilnadu Asteroid Search Campaign 2023 took place from 9 October, 2023 to 3 November, 2023.

The teams diligently and eagerly examined these images. They prepared and submitted the Minor Planet Center (MPC) reports to IASC.

The teams analysed telescopic images that were sourced from both Pan-Starrs 1 and 2 telescopes in Hawaii.

What's been achieved ?



Telescopic Image Analysis

Over the span of one month the teams collectively analysed approximately 520 sets of telescopic images and submitted the reports to IASC



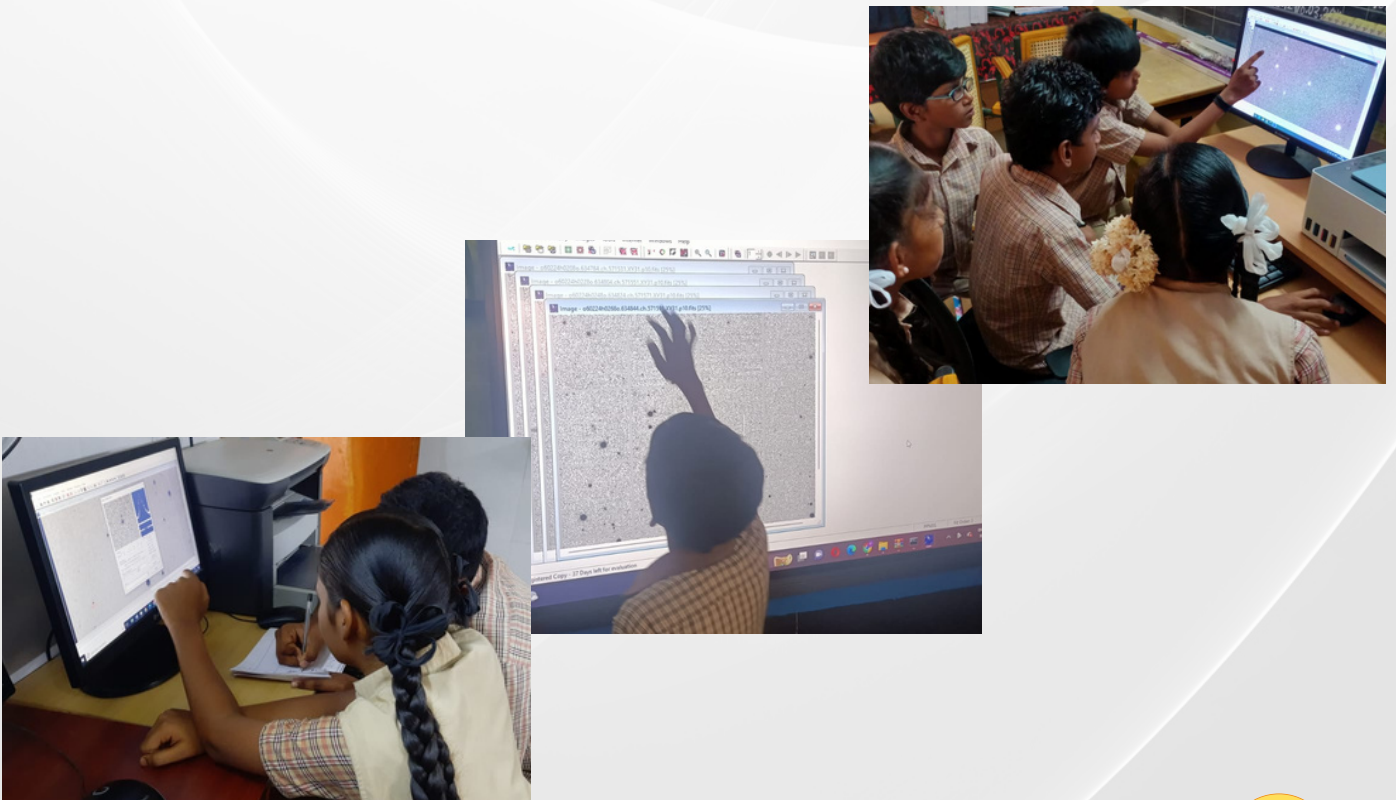
Asteroid Discoveries

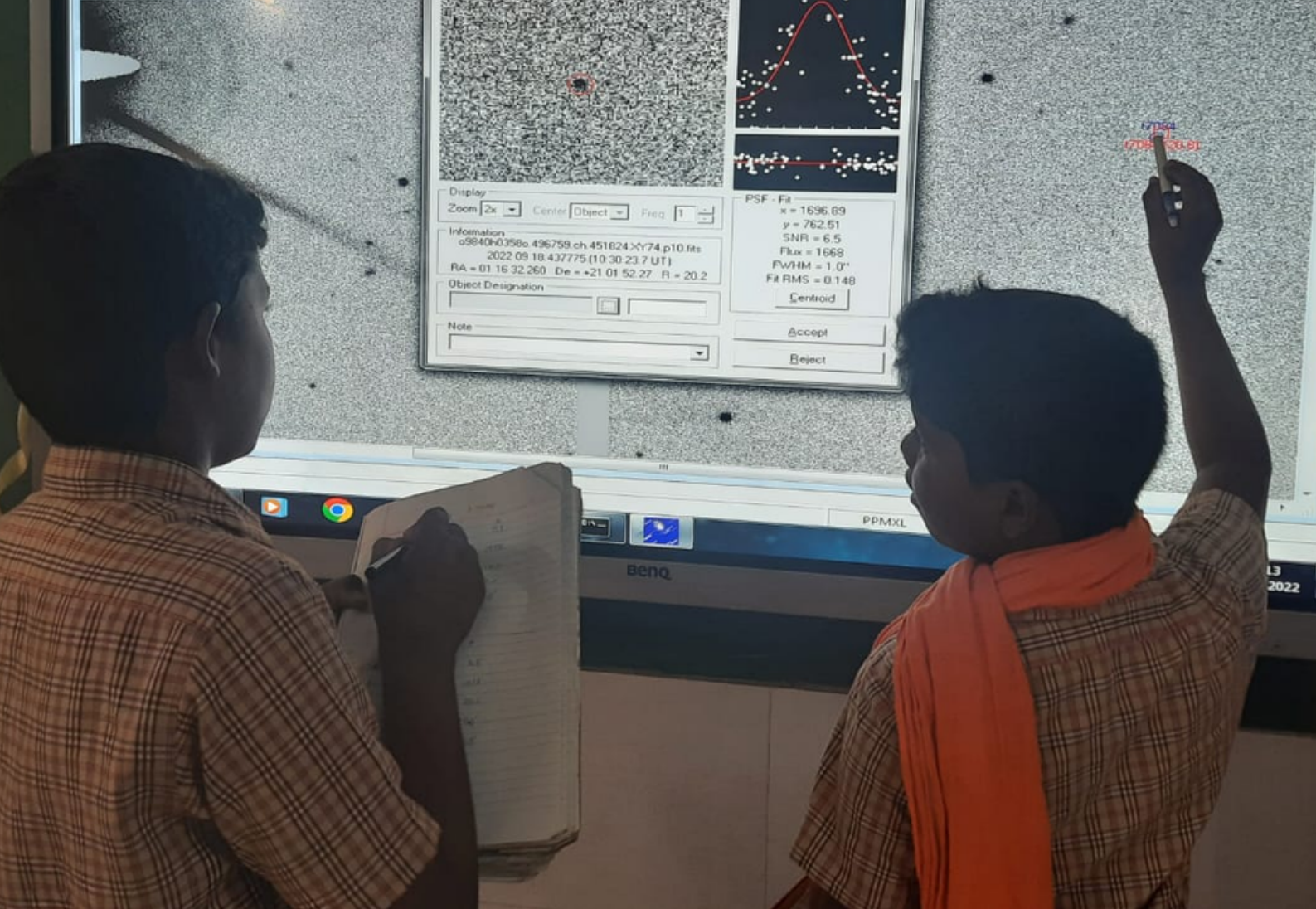
Working together, the teams successfully detected and recorded roughly 180 asteroid signatures



Preliminary Detections

Out of these detected asteroid signatures, 33 have been qualified as preliminary detections





KEEP IN TOUCH WITH US



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