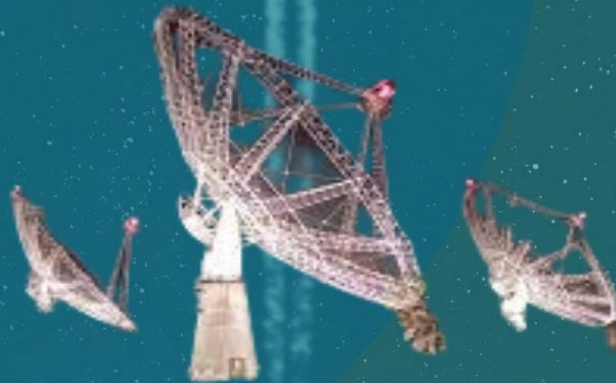




AstraX'21 and RAD@home

Brings you

#RADatIITmandi



RAD@home Astronomy Workshop
For citizen science research with the GMRT

15TH & 16 MAY

VENUE: ONLINE



S.T.A.C
IIT Mandi

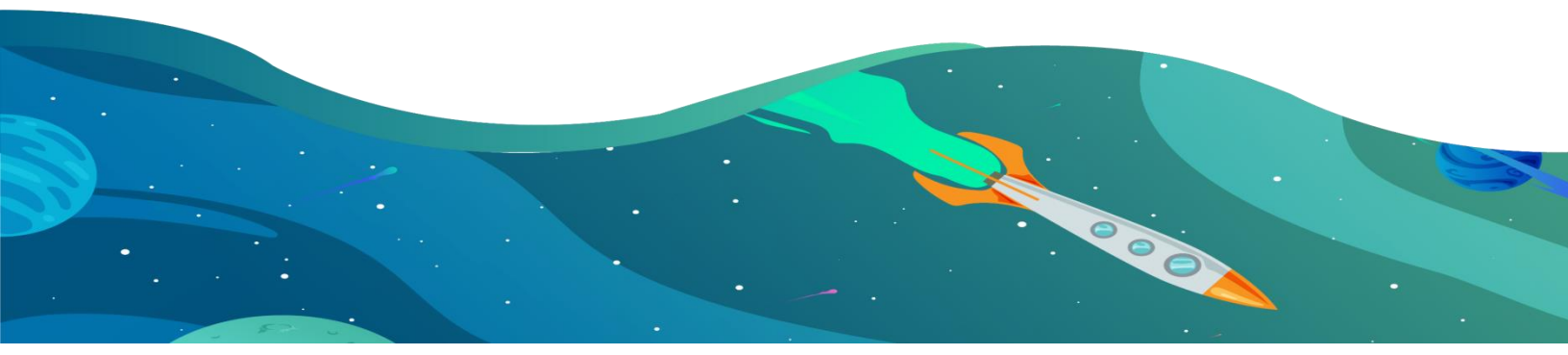


About RAD@home

RAD@home is a zero-funded, zero-infrastructure, nationwide, Inter-University Citizen Science Research Collaboratory which has been growing as a startup under University Grants Commission and has been supported by over two dozen research and educational institutes all over India, since 2013.

Office of the Principal Scientific Adviser where PI of the Collaboratory is a member of the Consultative Group, and Department of Science Technology (Govt of India) promote Citizen Science (see New Science Technology and Innovations Policy document).

Institutions supporting RAD@home CSR workshops include ICTS-TIFR, IOP, HRI, UM-DAE CEBS, Nehru Planetarium (Delhi), Vigyan Prasar, IIT (BHU), IISER (Kolkata & Berhampur), IISc, Vigyan Samagam (DST, DAE, NCSM, SKA-India, NCRA-TIFR) etc.





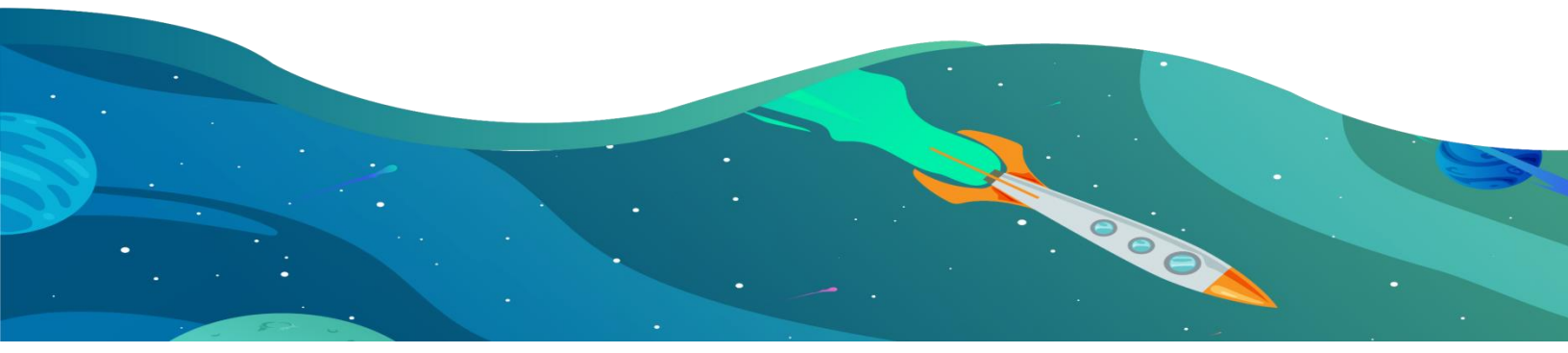
#RADatIITMandi Workshop

Live Talks on Fantastic Bursts and How to Find Them using Artificial Intelligence (Dr. Devansh Agrawal), UV-Optical-IR-radio RGB-contour images of thermal and non-thermal sky (Dr. Ananda Hota), Observing supermassive black holes in Quasars and radio galaxies (Dr. Chiranjib Konar), Galaxy black hole co-evolution study using RAD@home and GMRT (Dr. Ananda Hota).

Practical Demonstration and nationwide Inter-University Live discussion on RGB images made by participants (Dr. Ananda Hota & RAD@home e-astronomers).

Selected participants will get the opportunity to be a part of #DiSeDiscovery later in Facebook and Google Classroom by RAD@home e-astronomers & Dr. Ananda Hota, Director and Principal Investigator of the Collaboratory

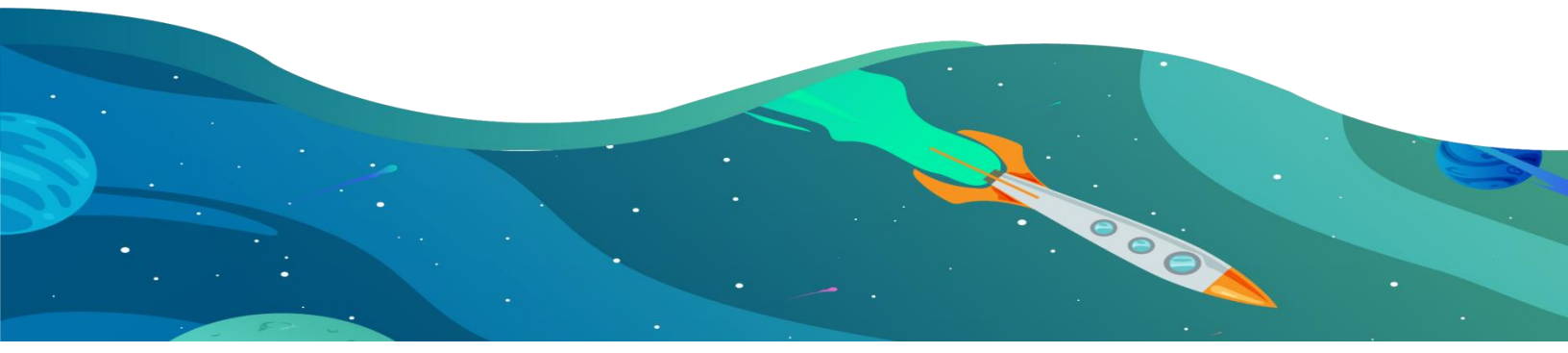
- Make UV-Optical-IR-radio images of astronomical objects using #RADatHomeIndia RGB-maker, a free online tool.
- Analyse multi-wavelength galaxy images having actively accreting supermassive black holes.
- Analyse radio images of the sky taken with the GMRT telescope, largest such in the world and pride of India.
- And thus, you will be able to contribute to citizen science discovery program in Astronomy in India.





Join the Facebook group of RAD@home for further participation in CSR beyond this ODRAW at <https://www.facebook.com/groups/RADathome>. Note that your request to join the group will be accepted only if your Facebook profile looks real and your current/past University affiliation is publicly declared. Participation in this facebook group is mandatory for members of the Collaboratory.

Be a part of the workshop in order to play and learn with radio astronomy and even possibly discover deep space objects!





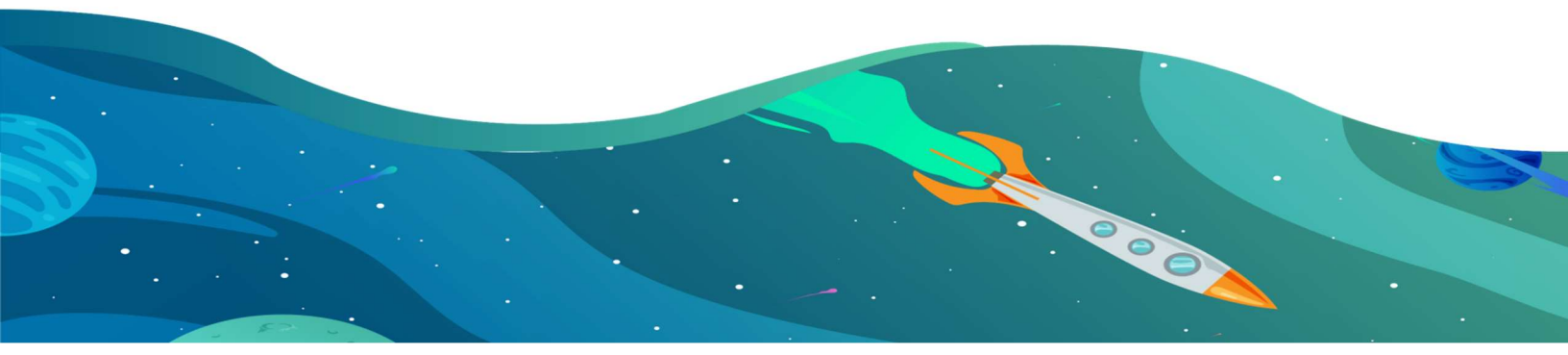
Schedule

Day 1 - 15th May 2021

Time	
09:00 - 09:15	Welcome Address by AstraX & RAD@home
09:15 - 10:15	Fantastic Bursts and How to Find Them using Artificial Intelligence Dr. Devansh Agrawal (West Virginia University, USA)
10:20 - 11:20	UV-Optical-IR-radio RGB-contour images of thermal & non-thermal sky Dr Ananda Hota (UGC, UM-DAE CEBS, RAD@home)
11:30 - 13:30	Practical Demonstration and Live nationwide Inter-University Live discussion on RGB images by RAD@home e-astronomers & Ananda Hota

Day 2 - 16th May 2021

Time	
09:00 - 09:15	Welcome Address by AstraX & RAD@home
09:15 - 10:15	Observing supermassive black holes in Quasars and radio galaxies Dr Chiranjib Konar (Amity University, Noida)
10:20 - 11:20	Galaxy black hole co-evolution study using RAD@home & GMRT. Dr Ananda Hota (UGC, UM-DAE CEBS, RAD@home)
11:30 - 13:30	Practical Demonstration and Live Nationwide Inter-University Live discussion on RGB images & Selection of participants for #DiSeDiscovery later in Facebook and Google Classroom by RAD@home e-astronomers & Ananda Hota





Additional Information

Please pay the Registration (Rs 199/-) fee to be a part of this workshop. The purpose behind taking this Registration fee is briefly mentioned at the end of this description.

[Registration link](#) – DEADLINE for submission of this form is 13th May 2021.

Note that this workshop is only a preparation for Citizen Science Research (CSR) to join Black hole galaxy co-evolution study by the RAD@home Astronomy Collaboratory (India).

Check regular updates for Preparation instructions, Schedule, T&C etc. at <https://radathomeindia.org/live>

Visit our website www.radathomeindia.org and join our entry-level Facebook group if you are interested beyond ODRAW <https://www.facebook.com/groups/RADathome>

Read our published conference/journal papers at

<https://ui.adsabs.harvard.edu/abs/2014ASInC..13..141H/abstract>

<https://ui.adsabs.harvard.edu/abs/2016JApA...37...41H/abstract>

Note to register with your personal (Gmail from Google) and not company/institutional email address, so that you can access various educational documents and can join Google Classroom.

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Note that the personal details asked in the registration form is only for internal use by the Organisers and will not be revealed to any third party.

Note that 50% of your registration fee, received by the host or AstraX organisers, will be transferred to the trained citizen scientists (RAD@home e-astronomers) who will be mentoring you during the ODRAW workshop and beyond, if selected for further training in RAD@home. This honorarium to the mentors is only for the purpose of reimbursing their educational/computational/health-care expenses during their participation in RAD@home Collaboratory activities.

