

# Paper Presentation

## Event Structure:

The Event consists of two rounds:

The first round shall be an online round and shall be conducted in the following fashion:

The topics will be allotted to the participating teams randomly on the basis of their technex ID.

The team leader should take modulo 13 of his/her technex ID and the answer would be the topic allotted to the team. For eg. technex ID is TM1375. Take modulo 13 of 1375 which is 10. Therefore, you are allotted topic no. 10.

The teams will have to submit a summary on the topic via email to [info.astronomyclub@gmail.com](mailto:info.astronomyclub@gmail.com) with the subject as "Paper Presentation 2020".

A total of 10 teams will be shortlisted and will be invited for the on-campus round to be held at IIT(BHU), Varanasi.

The shortlisted teams will be provided with research papers on their topic. They will have to present the research paper in the form of a PowerPoint presentation in front of the jury. The presentation must contain all the major points and the essence of the research paper provided to them. The presentation may also contain any more relevant points which shall fetch bonus points. It shall be conducted in the following fashion:

1. The shortlisted teams will have to submit their completed PPTs beforehand by 13th February 2020 via email to [info.astronomyclub@gmail.com](mailto:info.astronomyclub@gmail.com)
2. The teams will then have to present their work in front of a jury and fellow teams and answer any questions posed to them.
3. The team with the best scores shall be proclaimed the winner.

## Note:

The participants are advised to have peripheral knowledge about the topic as well.

## Rules:

### Team Structure:

1. Maximum three members can participate in a team.
2. Intercollege teams are allowed.

### Rules for Round 1:

1. It is mandatory for all the teams to fill out the form given and choose a topic given in the list. No other topic will be accepted.
2. One team can choose only one topic and no changes will be allowed. So choose your topic carefully!
3. The teams should submit the abstract by 25th January.

# Paper Presentation

## Topics List:

0. The evolution of the universe
1. An exoplanet orbiting a solar-type star
2. The LIGO detector and the observation of gravitational waves
3. The accelerating expansion of the Universe through observations of distant supernovae
4. The blackbody form of the cosmic microwave background radiation
5. Anisotropy of the cosmic microwave background radiation
6. The detection of cosmic neutrinos
7. Detection of cosmic X-ray sources
8. The detection of Hulse-Taylor pulsar and its purpose for the study of gravitation
9. The physical processes of importance to the structure and evolution of the stars
10. Cosmic microwave background radiation
11. Radio astrophysics: the discovery of pulsars
12. The energy production in stars

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**TECHNEX'20**

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### Rules for round 2:

1. All the teams must be present at the venue 10 minutes prior to the starting time.
2. After abstract submission, no changes in team will be allowed.
3. Each team shall be given 7 minutes for presenting and 3 minutes for subsequent QnA.
4. The teams will be judged on several criteria such as accuracy, presentation skills, plagiarism etc.

### General Rules:

1. In case of any disputes and disagreements, Astronomy Club's decision will be final and abiding.
2. The Astronomy Club reserves the right to change the rules if the need arises.
3. Use of unfair means in any form shall lead to immediate disqualification from the event.

### For further details, contact:

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See you at Technex!

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