



# Aarohan

ASCENT OF KNOWLEDGE

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 APOGEE 2019

# Aarohan



**Birla Institute of Technology and Science, Pilani** is a premier engineering college of India and a global front-runner in the race for innovation and technology, providing the finest quality technical education. With a rigorous intake process solely on the basis of merit and an acceptance rate of less than 3%, BITS Pilani is the most selective university in India producing adroit personages in every sphere of engineering.

# APOGEE

## 2019

With a mélange of events such as Hackathon, Stock Market Simulation, Full Throttle Grand Prix, Robowars, Projects and Paper Presentations, and a gamut of lectures, technical events, workshops and quizzes, APOGEE provides a unique opportunity for students from all over the country to conglomerate ideas and innovate.

APOGEE, the first ISO 9001:2008 certified technical fest in India, is a large scale event that has attracted the connoisseurs of engineering and technology over the years. It represents the zenith of science and engineering in a landscape of future visionaries and scientists.

APOGEE has witnessed speakers of exemplary portfolios in its Think Again Conclave, an out of the box lecture series featuring incredible speakers from different walks of life. Our past speakers include Dr. A. P. J. Abdul Kalam, Dr. Walter Lewin, Jimmy Wales, Dr. John Mather, Sir Harold Kroto, Marzio Nessi, Jeff Lieberman among many others. innovate.

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Expect a paper on a totally different level than most examinations with constant surprise elements. The paper is designed by BITSians and verified by a panel of professors.

The paper will have one unifying theme based on an extraordinary scientific phenomenon, suggested by the panel, which can be understood and solved using reasonable amount of knowledge in basic sciences and logical reasoning. With this paper, we are trying to revive the lost essence of real education which involves questioning the very fundamentals of any phenomenon. By the end of the paper, students will have learnt something new which we hope, will inspire them to question the science of our world which most of us take for granted.

AAROHAN is a national level examination crafted and conducted by the students of BITS Pilani in schools. The examination is conducted for classes IX, X, XI and XII. The aim of this examination is to inculcate scientific temperament and get the coming generation interested towards scientific and technical development studies. All that at the cost of ₹150 per student.

## What will the students gain out it?

Apart from a first-hand exposure to a national level exam and an opportunity to compete with students from schools across India, Aarohan has a lot more to offer.

You will get an 'All India Rank'(AIR) and a certificate of participation. The school and city toppers will get a certificate of merit stating the same and would also get exciting prizes according to their ranks.

The final winners will be invited to BITS Pilani's technical fest APOGEE. They'll have access to all the events and workshops happening on the campus and we'll have round two and some other events exclusively for them. And on a materialistic and tangible scale, there'll be exciting goodies and prizes as well as the opportunity to interact with the most progressive minds of the country.

# Pattern of the events

## Round One – Aarohan

- The paper will be Multiple Choice based.
- The duration of the paper will be two hours.
- The paper will have one unifying theme based on recent scientific breakthroughs and phenomena.
- The questions based on that will be entirely application based and not factual.
- The syllabus comprises of the syllabus of the students' respective class.
- The students will have to get innovative with the basic formulae and improvise.
- The marking scheme will be revealed at the time of examination.

## Round Two- Aarohan Qrios

- Two students from each region would be selected for the final round.
- Each student would be given a particular scientific topic or a research area, one month prior to the second round.
- Students are supposed to gather knowledge, relevant data, notes, breakthroughs and current happenings related to that topic.
- Help from teachers is encouraged.
- Everyone will have to present their topic.
- This would be followed by constructive group discussion in the presence of a panel.

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## TIMELINE

- **July 15** - Registration Begins(details would be updated on the facebook page).
- **October 22 to October 27** - First Set of Examination Dates.
- **November 20 to November 25** - Second Set of Examination Dates.
- **January 5** - Release of Answer Key and Solutions.
- **February 5** - Result Announcement.

Visit our facebook page [facebook.com/aarohan.bits](https://www.facebook.com/aarohan.bits) to stay updated.



“Aarohan is an exam which requires no preparation, just IQ which is what every student wants”



“An interesting and educating experience to meet people of such calibre from all over the country at a single place”



“Aarohan gives us an opportunity to have a hands on interaction with the students of a premier engineering college of India”

## Previous Winners



“Getting to attend the technical fest of BITS is an educating experience in itself where we get to know what the students are capable of doing and achieving when they get the tools to utilize their potential”



“Aarohan is an exam which truly tests the grasping ability of students and the opportunity to attend Apogee, the technical fest of BITS is an eye opener as the students here constantly try to hone their skills, not just in academics but other aspects also”

## Previous Winners

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