



# Aarohan

— INSPIRING YOUNG MINDS —

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 **APOGEE 2017**



# 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 three percent, BITS Pilani is the most selective university in India producing adroit personages in every sphere of engineering.



# APOGEE

## 2017

With a mélange of events such as Hackathon, National Social Challenge, Robowars, Stock Market Simulation, Full Throttle Grand Prix, 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.



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

The paper will have one unified theme based on some 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.



## **What will the students gain out of 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.

The final winners will be invited to BITS Pilani's technical fest APOGEE with their accommodation and travel expenses covered by the organizing committee. 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 for the winners.



# Pattern of the events

## Round One – Aarohan

- The paper will be OMR 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 Beta

- Two students from each zone would be selected for the final round (total 10).
- An all expense paid trip to BITS Pilani during APOGEE 2017, along with one guardian. Two day all access pass issued to all students.
- 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

- **November** - Registration portal opens (details would be updated on the facebook page).
- **December 15 to January 10** - Round one at your school.
- **January** - Answer Keys with solutions.
- **February** - AIRs, Certificates and Alpha winners announced.  
Topics with instructions allotted to each winner.
- **March 25** - Aarohan Beta at BITS Pilani, Pilani Campus.

Visit our facebook page [facebook.com/aarohan.bits](https://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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“Live as if you were  
to die tomorrow.  
Learn as if you were  
to live forever.”

MAHATMA GANDHI