



Birla Institute of Technology & Science, Pilani
Pilani Campus

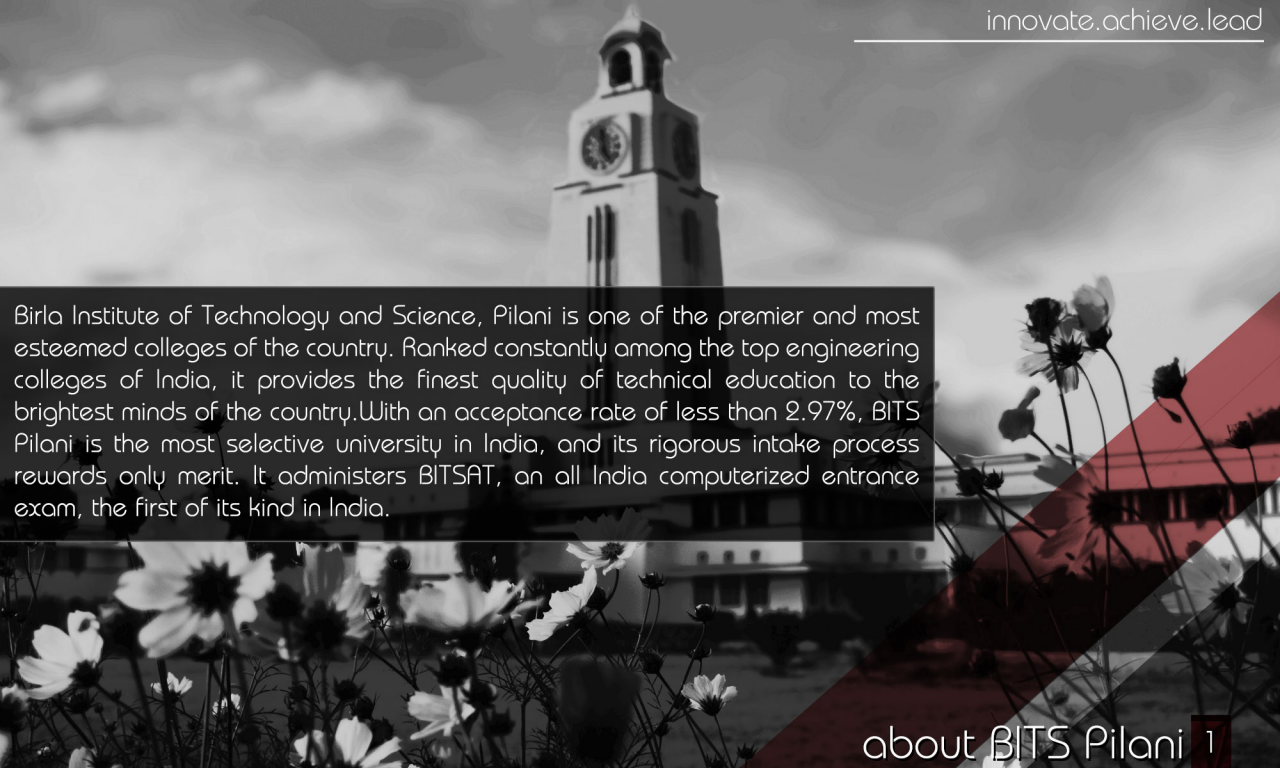
Aarohan

 APOGEE 2015

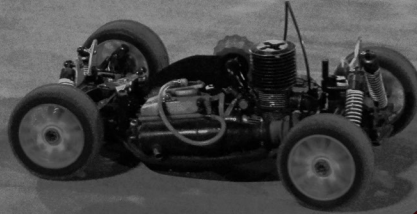
www.bits-apogee.org/aarohan



Inspiring young minds



Birla Institute of Technology and Science, Pilani is one of the premier and most esteemed colleges of the country. Ranked constantly among the top engineering colleges of India, it provides the finest quality of technical education to the brightest minds of the country. With an acceptance rate of less than 2.97%, BITS Pilani is the most selective university in India, and its rigorous intake process rewards only merit. It administers BITSAT, an all India computerized entrance exam, the first of its kind in India.



33rd International Technical Festival

WHAT IS APOGEE?

APOGEE is the annual technical festival of BITS Pilani. Truly justifying its meaning as the "highest point", APOGEE signifies the zenith of science, engineering & path breaking in a landscape of the future visionaries, scientists & corporate bigwigs & innovators. From projects, paper presentations & guest lectures on one hand, to debates, quizzes & cultural nights, APOGEE'14 is playing host to a gamut of activities, giving you the opportunity to interact with the brightest minds.

MAJOR EVENTS

With a m'elange of events such as Hackathon, Dhiti-National Social Challenge, Robowars, Stock Market Simulation, Full Throttle Grand Prix, Projects and Papers Presentations, and a gamut of lectures, events, workshops and quizzes, APOGEE provides a unique opportunity for students from all over to conglomerate ideas and innovate. From those who want to take a break from the clanking of nuts and bolts and crackling of electronic-circuits, a variety of debates and cultural activities will be sure to keep you engaged.

GUEST LECTURES

APOGEE has witnessed speakers of exemplary portfolios in its Think Again Conclave, an out of box lecture series featuring incredible speakers from different walks of life. Our past speakers include Dr. Walter Lewin (*MIT Physicist*), Jimmy Wales (*founder, wikipedia*), Dr. John Mather (*nobel laureate in physics*), Sir Harold Kroto (*nobel laureate in chemistry*), Marzio Nessi (*technical coordinator, cern*), Jeff Lieberman (*host, time warp, discovery science*) among many others.

Aarohan is a one of its kind nationwide school level event. This event will comprise of a regional level round conducted in multiple schools across the country. It will consist of –

- a) Code Voyage: An online coding challenge
- b) Brainiac: A more general science and logical aptitude test (similar to JEE and BITSAT)

The event is being organised for the students of class 9th to 12th. Brainiac will be organized in two batches: class 9th & 10th in one batch; class 11th & 12th in second batch, while Code Voyage is for students of classes 11th and 12th only. The final rounds of both the competitions will be held at BITS Pilani during APOGEE 2015 (25th-29th March). Top students from each zone will be invited to attend the fest, where they will get an opportunity to attend a range of technical workshops and lectures given by renowned personalities. To facilitate the smooth running of the event and help you in case of queries, a volunteer from BITS Pilani will be present in your school on the day of the test.

brainiac

(an OMR based science and logical aptitude test)

- The purpose of the exam is to test application of simple scientific concepts and logical aptitude of the students.
- The exam would be held simultaneously within one city on a single day and would be OMR based
- Respective schools would be the venue for the exam.
- The questions would be objective in nature.
- The duration of the exam would be 60 minutes.
- The test paper will consist of:
 - Section A: Basic sciences and mathematics – 30 questions
 - Section B: Logical aptitude and mental reasoning – 15 questions
- There will be certain star marked questions which will be used as tie breakers.
- In order to be eligible to take the exam the student is required to register through the school and pay the registration fee. Each student, once registered, will be provided with a login id and password to the Aarohan portal, where they can generate their hall ticket before the exam.
- The score of each student and their All India Rank (AIR) would be displayed on the Aarohan web portal in the second week of January, 2015

code voyage

(an online coding event)

- The purpose of the exam is to test aptitude for coding, ability to think clearly and in a concise manner and knowledge of various coding languages.
- The exam would be hosted online on CodeChef-India's largest competitive programming platform.
- The exam would contain a problem whose solution the student needs to come up in the form of a computer code.
- Students can use the following languages: C, C++, JAVA, Python.
- Students need to have a codechef id to avail the test. Students can register here "<http://www.codechef.com/user/register>".
- The duration of the exam would be 60 minutes.
- The test paper will consist of 5 questions.
- There will be certain star marked questions which will be used as tie breakers.
- In order to be eligible to take the exam the student needs to register for it through the school and pay the required registration fee. Each student, once registered, will be provided with a login id and password to the Aarohan portal. The student will be required to login at the Aarohan portal and generate a link to the test. This link (activation window) would permit the student to give the test online through a particular time window, the only requirement being an internet connection.
- The score of each student and their All India Rank (AIR) would be displayed on the Aarohan web portal in the second week of January, 2015

what do the students gain?

- The students will get a first exposure to a national level examination and an opportunity to compete with students from various schools across India,thereby preparing them for various competitive exams like JEE,BITSAT,CAT, etc.
- The online coding event (CodeVoyage) introduces the students to competitive programming at a very early age.
- Every participating student will receive a certificate of participation, school and city toppers will receive separate certificates of merit and medals stating the same.
- Every participating student will be given an All India Rank (AIR).
- The final round of both the competitions would be held at BITS Pilani during APOGEE 2015.The country has been divided into 5 zones and the zonal winner for each sub-event will be given an opportunity to witness APOGEE 2015 at BITS Pilani,to be held from the 25th-29th of March.The travel and accommodation for the zonal winners,along with a guardian,would be provided by BITS Pilani.
- The national winners will receive a cash prize and other APOGEE memorabilia.

frequently asked questions

Who are eligible to participate in this event?

Any school student from class 9th-12th is allowed to participate in the event.

What are the prerequisites to give this exam?

For the coding event, you need basic programming knowledge in any of the following languages – C, C++ , JAVA, Python etc.. The students should have basic knowledge of algorithms.

Braniac will consist of basic science and logical aptitude questions.

Do I need to take part in both the events?

You are allowed to take part in one or both the events.

Registration fees for individual event: Rs.100

Registration fees for both events combined: Rs.150

Where will the examinations be held?

The first round of Braniac (OMR based science and aptitude exam) would be held in your respective schools, while Code Voyage (coding challenge) is an online event. The finals will be conducted at BITS Pilani –Pilani campus during APOGEE 2015.

What all I can bring to the examination hall while giving the test?

Rough sheets, stationary and calculators are allowed. You are not allowed to carry any other electronic media devices.

frequently asked questions

What will be the duration of the test?

Each test will have a maximum duration of 60 minutes.

When will the results of prelims be out?

The individual scores and AIR's would be declared in the second week of January, 2015.

What will I get from this test?

- The students will get a first time exposure to an examination conducted at the national level, similar to BITSAT, JEE, CAT etc.
- It gives them an opportunity to compete with students from various schools all over India.
- Top students from each city will get an opportunity to participate in the final rounds of the respective events to be held at BITS-Pilani during APOGEE 2015.
- The winners of the final rounds will be awarded with cash prizes and goodies.

How will our stay in BITS Pilani be managed?

Participants, along with a guardian will be provided free travel and accommodation for the fest. All participants will be accommodated in our hostels. The food will be available in the hostel mess at reasonable rates.

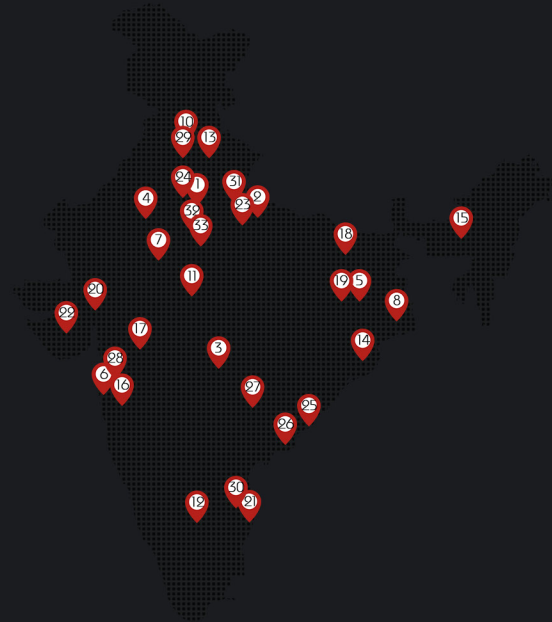
Can I bring my parents with me?

Each student is allowed to bring one guardian to accompany him/her for the final rounds.

What else can we do while our stay at BITS Pilani?

The students will get an opportunity to witness a grand technical symposium. They can attend lectures given by renowned personalities, events, workshops etc during the fest.

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|---------------|-----------------|--------------|
| 1 delhi/ncr | 2 lucknow | 3 nagpur |
| 4 pilani | 5 jamshedpur | 6 mumbai |
| 7 jaipur | 8 kolkata | 9 hyderabad |
| 10 chandigarh | 11 bhopal | 12 bengaluru |
| 13 dehradun | 14 bhubaneshwar | 15 guwahati |
| 16 pune | 17 aurangabad | 18 patna |
| 19 ranchi | 20 ahemdabad | 21 chennai |
| 22 rajkot | 23 kanpur | 24 meerut |
| 25 vizag | 26 vijaywada | 27 warangal |
| 28 nashik | 29 chandigarh | 30 tirupati |
| 31 bareilly | 32 agra | 33 gwalior |



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