66th Republic Day in India

By– Anant Shaurya Gaur (ECE– 3rd Year)

This year’s republic day was very special in itself as it was the first time that the president of the U.S.A served as the chief guest in the parade of 26th January at Rashtrapati Bhawan. This visit was not only to ensure the friendly relations among the two nations but also meant to discuss on various worldwide topics. Subjects like national security, nuclear arms race, trade, smart cities and terrorism were the subjects of limelight. President Obama ensured to make India an active member in the U.N. This was the major step towards the new dawn. He also ensured to provide assistance to make smart cities. Allahabad, Ajmer and Vishakhapatnam were the firsts in the list. Environmental safety was also highlighted. President Obama sowed a peepal plant at Rajghat, giving a message to ensure environmental safety and to take measures to reduce environmental pollution. The might and glory of Indian army was experienced by President Obama at the republic day parade. There were several processions held which portrayed the culture and diversity of Indian states. On seeing India’s vast cultural diversity and mighty force, the president was overwhelmed. President Obama was given a ceremonial reception on the forecourt of Rashtrapati Bhawan soon after he landed in Delhi, with a grand ceremony followed by the Guard of Honour by Air Force wing commander Pooja Thakur. The U.S President also received a 21 gun salute. Women’s power was the main theme for this year’s Republic Day Parade where the army, navy and IAF were fielding an all women marching contingent for the first time.

Obama gave a message that India’s cultural and religious diversity are serving as a jewel on a crown. India can develop progressively if the divisions on such basis are neglected. He quoted the words of Mahatma Gandhi that all the religions are simply the blossoming flowers of a huge garden called world. He also emphasized that a nation’s progress is dependent on the treatment of its female community. Females play an important role in the progress of a country and they are required to get their deserved respect and dignity. The main thing to pay attention is that an outsider is coming to our country and giving us such lessons. It is to be seen now that how many of us imbibe and implement them in our lives.
Placement 2014-15

By– Nitin Bhatnagar (ECE– 3rd Year)

Students of MIT are continuously proving that they will nail it till the end. Enthralling everyone by getting huge success in previous year, MITians continued to excel even in this year. In the month of January, 6 students of MIT (2015 passing-out batch) got themselves placed. Out of which, 4 students got their first job in Vaibhav Group on 10 January 2015, while, on 15 January 2015, 2 students were placed in Mphasis.

Now, let us have a look on list of companies in which MITians of 2015 passing-out batch are placed till date:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Name of the Company</th>
<th>No. of Selections</th>
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<tbody>
<tr>
<td>1.</td>
<td>Tata Consultancy Services</td>
<td>54</td>
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<td>2.</td>
<td>Navigant Technologies</td>
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<td>3.</td>
<td>Designco</td>
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<td>Genpact</td>
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<td>5.</td>
<td>Interglobe Technology</td>
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<td>6.</td>
<td>Cozmic Solution Pvt. Ltd.</td>
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<td>7.</td>
<td>Capixa Tech. Pvt. Ltd.</td>
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<td>8.</td>
<td>Webexpert Softech Pvt. Ltd.</td>
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<td>9.</td>
<td>Priya Industries Ltd.</td>
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<td>10.</td>
<td>Unisys Global Services</td>
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<td>11.</td>
<td>Colnovation Technologies/ Vaibhav Group</td>
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<td>12.</td>
<td>Mphasis</td>
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<td></td>
<td><strong>Total</strong></td>
<td><strong>276</strong></td>
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Able team of T&P Dept. is continuously in contact with the HRs of reputed companies and are helping the students of MIT in boosting their career by giving them a platform to get placed in reputed firms.

Mit organized a motivational symposium for providing spiritual knowledge to our students. Acharya Vijayji Maharaj provided a vision of life to our students. He told us that we must be spiritual for the betterment of our life and society. He said, If the person is not associated with spirituality he can’t lead forward neither his family nor his society. It is extremely important to have any faith, but must be truthful and simple-hearted. He described methods to achieve our goal through proper way. In the continuation of this he also said that we must have God and discipline in our mind while doing anything in our life. We all believe in God but do not fully devout. We should think about the society. After this motivational talk he planted saplings in the MIT campus. On this occasion all the dignitaries of MIT family Shri Sudhir Gupta Ji, Shri Y P Gupta Ji, Shri Adarsh Agarwal Ji, Shri Anil Agarwal Ji, Professor. (Dr.) S. Mukherjee, Prof. (Dr.) Vineet Tirth and all the faculty members and non teaching staff were present.
NASA's New Robot Will Take the Plunge ... Into a Volcano

NASA is gearing up to test an innovative new robot built to explore some of Earth’s most inhospitable places: the fiery heart of volcanoes. Engineers at NASA’s Jet Propulsion Laboratory in Pasadena, California, are gearing up to drop VolcanoBot 2 inside Hawaii’s active Kilauea volcano in March to create a 3D map of its fissures and crevices. And the hardy robot may one day help scientists explore volcanoes on other worlds.

VolcanoBot 2, and its predecessor VolcanoBot 1, are designed to fit inside crevices in volcanoes that are too small or too dangerous for humans to explore. The robots are the brainchild of Carolyn Parcheta, a volcanist and NASA postdoctoral fellow based at JPL.

Parcheta said in a NASA statement. "This is the first time we have been able to measure it directly, from the inside, to centi-meter-scale accuracy." The scientists found, however, that VolcanoBot 1 was too large and its motors too weak to reach the fissure’s bottom. Therefore, VolcanoBot 2 was born.

With its length of 10 inches (25 cm), VolcanoBot 2 is smaller and lighter than its predecessor, with features that allow it to look up, down and around a fissure. Data will be collected and stored on board VolcanoBot 2, and the robot’s 3D live video feed will allow Parcheta and her colleagues to navigate its path more accurately.

Parcheta hopes the project will help scientists build more complex models of how volcanoes erupt.

"In order to eventually understand how to predict eruptions and conduct hazard assessments, we need to understand how the magma is coming out of the ground," Parcheta said in a NASA statement. "This is the first time we have been able to measure it directly, from the inside, to centi-meter-scale accuracy."

The intrepid VolcanoBot 1 explores a lava tube inside Hawaii’s Kilauea volcano in May 2014. NASA will test the new VolcanoBot 2 in Kilauea in March 2015.

VolcanoBot 2 (left) and its larger predecessor, VolcanoBot 1, are robots built to explore nooks, crannies and fissures inside a volcano and create 3D maps of the terrain. In March, NASA will drop VolcanoBot 2 inside the maw of Hawaii’s active Kilauea volcano.

"We've never had a chance to measure a volcanic conduit before because they usually get buried or destroyed during an eruption," Parcheta said in her project’s entry in a National Geographic Expedition contest. But Parcheta found two preserved, inactive fissures in the active Kilauea volcano in Hawaii. She and her JPL co-advisers, Aaron Parness and Karl Mitchell, already tested VolcanoBot 1.

In May, NASA sent VolcanoBot 1 down 82 feet (25 meters) to two locations on the fissure. The wheeled robot is about 12 inches (30 centimeters) long with wheels that are 6.7 inches wide (17 cm).

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Movie Review

By– Archit Saxena (ECE– 3rd Year)

Genre: Indian espionage action thriller film
Rating:****
Cast: Akshay Kumar, Taapsee Pannu, Rana Daggubati, Danny Denzongpa, Anupam Kher, Madhurima Tuli, Rashid Naz, Kay Kay Menon
Director: Neeraj Pandey
Story: The story follows members of a fictional secret operation called Baby, a temporary task force headed by Feroz (Denzongpa) whose mission is to protect India from terrorists and whose mandate is coming to a close. It might have been hailed as just another innocuous, smartly-packaged, competently shot espionage thriller if only the politics at its heart not been so dangerously dodgy. Early in the film, the unstoppable spy hisses: “I can do anything.” A little later, the terror mastermind he is up against declares: "India cannot do anything”.

So, in this all-out everything-or-nothing battle, the onus falls squarely on the invincible hero to prove the enemies of the nation wrong.

The point that Baby seems to make is that it isn’t just trained killing machines, but also the nation as a whole, that can, and should, do ‘anything’, collateral damage be damned.

G.K. Quiz

By– Anmol Goel (CS– 3rd Year)

1. The theme of National Youth Festival-2015, which began in Guwahati recently (January 2015) is....?
   A) Celebrating Diversity in Unity
   B) B) Youth for Drugs Free World
   C) Youth for Clean, Green and Progressive India
   D) Youth for Better India

2. The Union Government is planning to launch ‘Rashtriya Avishkar Abhiyan’ to create awareness among the students in...?
   A) Science and Mathematics
   B) Science and Social
   C) Ancient History
   D) Classical Music

3. Who among the following has become the first to make three test centuries in his first three innings as captain?
   A) Virat Kohli
   B) M S Dhoni
   C) Steve Smith
   D) Hashim Amla

4. The strategic oil and gas bearing region called ‘yamala Peninsula’ is located in which country?
   A) Russia
   B) Norway
   C) Vietnam
   D) China

5. Which city is the host of International Hindi Conference (April 2015)?
   A) New York
   B) Chicago
   C) New Jersey
   D) California

Answers

SUDOKU

By– Anmol Goel (CS– 3rd Year)

Solution
As we all know that Govt. of India has declared 12th January, the birthday of Swami Vivekananda as “National Youth Day”. Every year all educational Institutes are whole heartedly celebrating this day. According to Govt. of India ‘It was felt that the philosophy of Swamiji and the ideals for which he lived and worked could be a great source of inspiration for the Indian Youth’.

On this occasion, different people participated in several activities all over the globe which promote youth in various fields like education, art, culture and give a ray of hope to generate moral values with enlightenment of inner soul.

As a part of the celebration, MIT organized Hindi Elocution competition, English Elocution competition on ‘Chicago address of Swami Vivekananda’ and Essay competition in Hindi, Essay competition in English on the topic ‘Vivekananda call to the youth of India’ for school children.

Participants from various schools like Shirdi Sai Public school, Bonnie Anne Public school, Modern Public school, St. Mary’s Sr. Secondary, Chitragupt Inter school were indulged in the celebration.

Along with 45 school participants, MIT students and faculties delightedly participated in the National Youth Day celebration.

To boost the morale of the participants, prizes, mementos and certificates were distributed to the winners of the competitions on 12th January 2015.

66th Republic Day was celebrated on 26th Jan’15 in D Block Auditorium in Moradabad Institute of Technology Campus, Moradabad. The proceedings started at 10:00 a.m. by Flag Hoisting done by Chief Guest Dr. Jaipal Singh ‘Vyast’ and trust members of MET Moradabad. MIT was also honored by the precious presence of various Rotarians.

The Kulgeet of Moradabad Institute of Technology (MIT) and other patriotic songs sung by MITians enthralled everyone. The speech given by students were eye opening for everyone present there. The clarity of thoughts at such a young age amazed everyone in the auditorium. Dr. Jaipal Singh ‘Vyast’ also addresses the very precious moments by his valuable and encouraging words. After the function tree-plantation ceremony was also organized in the MIT Campus.
**Place to Visit**

**CHURCH OF St. AUGUSTINE**

**Location:** Atop the Holy hill in Old Goa  
**Highlights:** Ancient ruins, 46 meter high tower  
**How to Reach:** You can easily reach the St. Augustine church by hiring local transport like taxis, autos and buses from just about anywhere in Goa.

The ruins of St. Augustine church is a very popular tourist attraction and one of the most spectacular monuments in Goa. The church was built in 1602 with the combined efforts of 12 Augustinians. They also built a convent besides the church. However, the Portuguese government in India put a ban on them and they abandoned the church and the convent. The Saint Augustine church was considered to be one of the greatest of three Augustinian churches. Now, only the ruins of the front portion of the church and magnificent tower remain.

The tower in the ruins of St. Augustine church is the main attraction. This huge tower reaches up to a staggering height of around 46 meters. It had four stories and was originally meant to be a belfry. The church had a giant bell that was removed and is now at the Church of our Lady of the Immaculate Conception located in Panaji. The church had eight beautifully adorned chapels and four decorated altars. There was also a convent attached to the church.

Around the year 1931, the church began to fall apart and the façade and half of the tower were lost. Thereafter, the church began to deteriorate rapidly and many parts fell off. The whole body of the church finally gave way due to neglect and natural forces. The portico and the tower are still present and look absolutely splendid despite being in ruins. The ruins of St. Augustine are visited by many tourists from all over the world, which was once the largest church in Goa.

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**Monthly Health Tips**  
**By**- Niharika Verma (ECE 3rd Year)

- Take a piece of the inside of the banana peel and gently rub around on your teeth for about two minutes. The amazing minerals in the peel like potassium, magnesium and manganese absorb into your teeth and written them.
- Place slices of peeled ginger on the aching tooth and press it. The pain will go away within minutes.

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**Website an Engineer must know...**  
**By**- Niharika Verma (ECE 3rd Year)

- [http://www.tenlinks.com/](http://www.tenlinks.com/) engineering/civil/@tenlinksnews

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