REFLECTIONS

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October a month of festivities, changing season, changing fortunes and as everything changes how our college could remained untouched from this very natural process. Finally after two years the much awaited and one of the most prolific events of colleges of North India, UTKARSH was organized. And just like everything the atmosphere of the college changed from the gloomy classrooms to the vibrant stages and yet again the MITians shone throughout. It was a four day event but the excitement started toiling more than a month before the event.

The first two days were dedicated to sports. The college sports extravaganza MITSA was organized. This time it was taken to a whole new level, to a whole new zenith where different colleges from the district were invited to participate in this event. The first day it was all for schools where 9 schools participated in different field and track events. The next day MITians had a daunting task ahead of them, as it was the time to prove their excellence on the field and they succeeded in doing so to a great extent. Not only the MITians organized the event successfully but also participated in the events with full enthusiasm and dynamism.

After the physical exercises it was time for some Mind boggling exercises as the next day it was time for technical event of the Tech-fest, HI-TECH as many as 5 technical events were organized in this from technical/general paper presentation event Pragyan to fun events like Crossroads and Fact n Furious. All witnessed the energy and vigor of the students. It was the strong emissions from the nerdy brains of the future Engineers of the country which energized the whole atmosphere and brought everyone to the edge of their seats in every event.

The events of Hobbies Club in the Central Park i.e. the 15 Aug Lawn were studded with the fervor of Young Guns and each of their events added a feather in the cap of HI-TECH. Since a thrilling song always ends at high note just was the case with UTKARSH. It was the cultural night and everything seemed to stop just to feel the warmth in the chilling atmosphere of the college ground. The whole college was lit up by the mercuries, but the stage outshone each and everything. What added to the beauty of the stage were the power packed performances of the student. Where the Goonj group brought tears to everyone’s eyes, The Raj Kapoor show made everyone encapture and relish the magic of “The Showman of Indian Cinema”. The Inertia group enthralled everyone and various dances reflected the varied culture of the country. But it was the college band Riyaazz which stood out in its performance and gave everyone some mesmerizing memories to cherish. Their performance left an impact on everyone’s senses.

The occasion was graced by Chief Guest Shri Gulab Singh, DIG, Moradabad Zone and Trustees Shri Arvind Goyal, Shri YP Gupta, Shri Sudhir Gupta, Shri Anil Agarwal, Shri Adarsh Agarwal, Shri Pradeep Jain.

The event brought out various colors of the institute and constituted everything into one "UTKARSH" which means the Pinnacle which the event certainly was in each and every respect.
“Culture is a clusture of intangibles and tangible aspects of life passed down from generation to generation.”

“To Love is to receive, A glimpse of HEAVEN.”
Transistors easily switch on and off in response to an applied voltage, which allows electric current to flow between two terminals. But they can respond to other things as well, says Mariana Medina-Sánchez, now at the Leibniz Institute for Solid State and Materials Research in Dresden, Germany. Medina-Sánchez and her colleagues have engineered a transistor that recognises the protein biomarkers of common diseases, switching on only when it has detected them—and the device can be printed with an inkjet printer.

The team printed the transistor using a special ink embedded with a common antibody called human immunoglobulin G, which binds to antigens from a number of common viruses, bacteria and fungi. When a disease protein binds to an antibody, it changes the transistor’s electrical properties, altering the voltage level at which it turns on. Eventually, the team says, doctors could print out a sheet of the devices—each equipped with a different disease antigen—and diagnose people in a snap.

Tony Turner, head of the biosensors and bioelectronics centre at Linköping University in Sweden is impressed with the proof of concept. “It combines the sophistication of advanced electrochemical biosensors with a simple manufacturing technique,” he says. "Interference due to pH changes in real samples might be a problem for them, but overall, mobile diagnostics for healthcare, food safety and environmental monitoring demands such new generations of inexpensive sensing systems."

They may look like tiny weapons, but these bone anchors are a gentle alternative to what surgeons currently use to treat ruptured tendons.

The innovative implants, shown next to the tip of a match for scale, are made of iron-tricalcium phosphate, a biodegradable material that combines metal and ceramic. Like the current titanium versions, they mainly help bones heal by anchoring severed tendons.

But patients have to go under the knife for a second time to have conventional implants removed—or put up with them remaining in the body. Once the new anchors have finished their work, they disappear within two years by degrading in the body. Their ceramic component also stimulates bone growth, helping the person’s body fill in the hole left as the implant breaks down.

The most advanced flying car ever made was unveiled at the Pioneers Festival in Vienna this week by Slovakia-based company, AeroMobil. The two-passanger prototype vehicle, called the AeroMobil 3.0, is about the size of a limousine or large luxury sedan, and works just like a transformer, morphing from car to aeroplane in minutes. In car form it can hit speeds of up to 160 km/h and as a plane, 200 km/h.

"From the front it looks a lot like a car; from the back it looks a lot like a small plane. From the side it looks insane," says Victoria Turk from Motherboard.
Movie Review

By– Archit Saxena (ECE– 3rd Year)

Cast: Shah Rukh Khan, Abhishek Bachchan, Boman Irani, Sonu Sood, Deepika Padukone, Jackie Shroff, Vivaan Shah

Direction: Farah Khan

Rating: ****

Story: Charlie (Shah Rukh Khan) is looking to avenge the humiliation of his father who was put in a wrong spot by Grover (Jackie Shroff). Following him and tracking him for 8 years led him to the momentous day when Grover will keep protected a handful of rare diamonds.

Charlie builds a team of people whom he calls Charlie’s Angels to participate in World Dance Championship which will lead them to the diamonds they want to steal. Nandu Bhide (Abhishek Bachchan), Jags (Sonu Sood), Tammy (Boman Irani) and Rohan (Vivaan Shah) along with their dance teacher Mohini (Deepika Padukone) train for the championship.

How a bunch of losers manage to sneak out the diamonds from the world’s safest locker is what the film entails. A series of events and a tight climax leads to the downfall of Grover that Charlie had plotted for 8 years.

G.K. Quiz

By– Anmol Goel (CS– 3rd Year)

1. Who among the following has been honoured with Dadabhai Naoroji Award for Culture by the UK government?
   a) Madhav Sharma  b) Asha Khemka  c) Patricia Hewitt  d) Lynda Bellinghman

2. Which player has won the European Golden Boot Award 2014?
   a) Luis Suarez  b) Luis Enrique  c) Lionel Messi  d) Sergi Roberto

3. Who has won the Shanti Swaroop Bhatnagar Award 2014 for Biological Science?
   a) Dr. Kavirayani Ramakrishna Prasad  b) Dr. Roop Mallik  c) Dr. S Venkata Mohan  d) Dr. Anurag Agrawal

4. What was the slogan for Asian Games held at Incheon 2014?
   a) Diversity Shines Here  b) Green, Clean and Friendship  c) We Cheer, We Share, We Win  d) The Games of your Life

5. Who among the following has designed the logo and gave slogan of the campaign “Swach Bharat Abhiyan”?
   a) Anant and Bhagyashree  b) Neelam Bhatacharjee  c) D Udaya Kumar  d) Virman Kohli

SUDOKU

By– Anmol Goel (CS– 3rd Year)

Solution

Answers

14 23 35 42 54

REFLECTIONS
Hi tech is the annual tech fest of MIT which comprises of many technical events like crossroad, pragyan, puzzle etc. this year a large no. of students taken part in different events enthusiastically. The conveer of HI– Tech 2014 was Mr. Nishant Saxena (Assistant Prof., Deptt. of EE&EI).

**CROSS-ROAD**

By– Shruti Bhatnagar (EI– 2nd Year)

This event was organized by Hi-Tech society on 17th October 2014 at D-block Auditorium. A total of 85 teams have participated each team having 3 students in each team.

There were questions whose answers were to be filled in a crossword. The questions were from various fields such as geography, bollywood, science, politics etc. The whole event comprised of 3 levels. First level had 3 sets of questions each having 10 questions which were to be filled by the all three members of a group. 20 highest scoring teams were selected among all for the next round. Second round was also based on crossword pattern but consists of some clues for each question. After this round another top 10 teams were selected for the final round. The final round had 10 questions based on pictures shown on the projector to teams and they were to recognize them in 1 minute.

The first prize winning team was Prateek Vishnoi (EC 1st year), Siddharth Puri (EC 1st year), Shubham Agarwal (EC 1st year). The Second prize was won by Abhilash Rastogi (EC 3rd year), Archit Saxena(EC 3rd year), Anant Shaurya Gaur (EC 3rd year). The third prize was won by Pranjay Gupta (CS 1st year), Naman Gupta(EC 3rd year), Himanshu Bhatnagar (CS 1st year)

The faculty advisors were Ms. Deepti Singhal , Ms. Anupam Yadav , Ms. Monica Kathuria & Ms. Anshika Sharma . The coordinators were Mohd.Shahrukh (EC-3rd year) and Meghna Saxena (EC, 3rd yr).

**FACTS AND FURIOUS**

By– Arpita Bhanagan (EE-2nd Year)

It was another event organized by Hi-Tech society. It was organized at two levels. First round was organized on 15th October 2014 at B-Block B-317,318,321. There were entries in a group of 2 students & around 60 groups had participated.

It was a very interesting event based on the facts. In first round the each group was provided with a question paper which had 50 MCQ based questions which have to be solved within 30 min. After this top 10 teams were selected on the basis of marking. Top 3 teams had the direct entry for the final round. While another 17 teams had to face the elimination round which was held on 18th October 2014 at C-Block seminar hall in which each team had been provided with a question paper of 10 questions and they have to solve them within 15 min.

Among 7 teams further top 5 teams were selected for the final round. Final round had 5 levels- 1. Leadership round. 2. Subject round. 3. Abbreviations. 4. Audio visual. 5. Rapid fire.

The first prize winners were HARSHUL GUPTA (CE -3YR), ARVIND SINGH (CE-3YR). Second prize winners were SID DHARTH SAXENA (EN-3YR), ASHWARYA JETHI (CS-3YR). Third prize winners were DIVYA NIGAM (CS-4YR), ARCHIE JAIN (CS-4YR).

The faculty advisors were Ms. Priyanka Goel , Mr. Sunil Kumar, Mr. Sanjeev. The event was well co-ordinated by Sugandha Bhatnagar (IT-4th year), Apoorva Tondon (CS-4th year), Shubham Gupta (CS-3rd year), Shobhit Agrawal (CS-3rd year).

**TURN COAT**

By– Nitin Bhatnagar (ECE– 3rd Year)

Another hit event from HI-TECH society was Turn Coat. The event was held on 18th October in B- Block Seminar Hall from 10:30 am onwards. In this, the participants were given a random subject on which they had to present their views both the ways i.e. for and against the motion. Individual entries were allowed. Participants found much interest in the topics given and participated very enthusiastically in the event. The faculty coordinators were Ms. Sugandha Agarwal (Deptt. Of AS & H), Ms. Sangeeta Mahesh (Deptt. Of AS & H) and Ms. Shailesh Chauhan (Deptt. Of AS & H). The student coordinators were Sagar Mehrotra (ME 3rd year) and Shubham Gupta (ME 3rd year). The first position was secured by Richa (EC, 3rd year), Second by Garima Rastogi (4th Year, CS) and Third by Sumna Khan (3rd year, EC). The event’s main focus was to boost up the communication skills of the participants and to imbibe confidence in them.
On 17th Oct'2014 an amazing event named ‘Pragyan’ was organized under Hi-tech society in MIT. In the event participants were made to present presentations on any technical topic or any knowledgeable topic or even some creative ideas. Faculty advisors were Mr. Anurag Malik, Mrs. Pragati Gupta, Mrs. Aanchal Baranwal, Mr. Arvind Kumar & Mr. Rajhuvendra Agrahari. Students coordinators were Shiva Kulshreshtha & Shubham Katta (CS 3rd year students). Session 1 was technical presentation round. Participants actually came up with great and innovative ideas and were judged by teachers who were expert in technical knowledge namely Mr. Sunil Kumar (CS), Mr. Pankaj Bhardwaj (EC). Deeksha Mishra (2nd year EC) won the 1st prize, Krishna Kumar (3rd year EC) won 2nd prize and Osheen Masih & Jaspreet Kaur (3rd year EC) won the 3rd prize. While session 2 was of general topic presentation round and were judged by experienced teachers Ms. Ridhhi Garg, Mr. Anurag Agarwal and Mr. Ankur Malhotra. The 1st prize winner was Samrath Rastogi (3rd year ME), 2nd prize winner was Shubham Gangwar (3rd year ME) and 3rd prize winner was Apaar Mehrotra (3rd year CS branch).

Another exciting event organized by HI-TECH society was puzzles. As the name suggests this event was based on puzzles and questions from different fields like GK, Social sciences, aptitude, reasoning, etc. The event consisted of two rounds: in first round the participants had to go through a tough competition, the second round consisted of various interesting and out of the box sub rounds. Top ten qualified groups were allowed to go to the next level. The first round was held on 14 Oct’2014 in B-306,307. The next round was held on 17 October in C-block seminar hall. First position was secured by Anant Shaurya Gaur, Archit Saxena and Abhilash Rastogi (EC 3rd year), second position was grabbed by Akshay Chaudhary, Abhishek Bhardwaj and Akshay Krishna (ME 3rd year), and the third position was secured by Nikhil Chauhan, Deepak Singh and Rishabh Saxena (ME 1st year). The faculty conveners of the event were Mr. Manas Singhal, Mr. Pankaj Bhardwaj (EC), Mr. Ritu Rajan, Ms. Shweta Agarwal and Ms. Neha Gupta. Student coordinators were Pulkit Sharma (EI 4th year), Shubham Arora (IT 3rd year) and Kirti Vig (CS 3rd year).

“Hobbies Club” is the only central college level society apart from the departmental societies. The club organised a bunch of fun events in HI-TECH on 17 Oct 2014. The events were convened by Deepti Gupta (Deptt. of AS&H). The events were:

**Paper Drawing:** The paper drawing competition was held under the supervision of Dr. Modika Gupta. The winners were:
1. Adeel Sughra, B.Arch, 2nd yr, Zainab B.Arch, 1st yr
2. Himani Chahal, B.Arch, 2nd yr, Mahima Dhiman, B.Arch, 2nd yr, Ritika Varshney, B.Arch, 2nd yr
3. Ayush Dixit, B.Arch, 2nd yr, Shabiu Hamd, B.Arch, 2nd yr, Dhruv Bhatnagar, B.Arch, 2nd yr

**Sack Race:** The sequence in which participants reached the finishing line was:
1. Yuvraj Varshney, EN, 3rd Yr
2. Shubham Varshney, EE, 1st Yr
3. Monali Chauhan, CS, 3rd Yr
4. Shubham Bharadwaj, EN, 3rd Yr
5. Kumar Madhur, B.Arch, 1st Yr
6. Abhishek Bisht, B.Arch, 2nd Yr
7. Azar, EC, 2nd Yr

**Lemon race:** The old but ever relished game of running while holding a lemon in the spoon with mouth fascinated everyone. The following were the standings at the finishing line:-
1. Manali Chauhan, CS, 3rd Yr
2. Faisal Mansoori, EC, 3rd Yr
3. Dev Khanna, EC, 2nd Yr
4. Shubham Agarwal, ME, 3rd Yr
5. Namrata, CS, 3rd Yr
6. Sumna Khan, EC, 3rd Yr
7. Abhishek Chaudhary, EC, 4th Yr
8. Neha Chhabra, EC, 1st Yr

**Treasurer:** A large number of MITians ran across the campus in the hunt of the “TREASURE”. It all began from clue 1 with all next clues related to it. This event held under the coordination of Mr. Simrat Singh Gill. The following were the ones who got the TREASURE:
1. Abhishek Raj Johri, IT, Antriksh Bharadwaj, IT, Aditi Jain, CS, Anushheel Singh, CS, Jaya Routela, EN,
2. Robin Singh, EC, Akshay Goel, EC,

**Hair styling:** This event was under the guidance of Ms. Shuchita Saxena. In this event participants had to prepare dishes without gas. The winners were:
1. Khusboo Dhiman & group, EC, 3rd yr
2. Garima Rastogi & group, CS 4th yr.

**Tattoo making:** Ms. Megha Giri supervised the event and the winners were: Kusum, Deepanshi, Ambika Vishnoi

**Mehendi:** This event was also under the supervision of Ms. Megha Giri and the winners were: Yash Rastogi (CS 1st year) Dhruv Bhatnagar (BArch 2nd year).

**Nail art:** This event was under the management of Ms. Kalpana Agrawal and the winners were: Kritik Kaushik (CS 2nd year), Sakshi Jain, Divisha Mathur (EC 3rd year)

**Cooking without gas:** This event conducted under the guidance of Ms. Shuchita Saxena. In this event participants had to prepare dishes without gas. The winners were:
1. Khusboo Dhiman & group, EC, 3rd yr
2. Garima Rastogi & group, CS 4th yr.
“Great minds discuss IDEAS;
average minds discuss EVENTS;
small minds discuss PEOPLE.”

“Remind yourself that IT’S OKAY not to be PERFECT.”

Glimpses of Hi-Tech 2014
By– Mayank Gupta, Monica Vishnoi, Pooja Gupta (ECE– Final Year)
Place to Visit...Maui

Maui is part of the State of Hawaii and is the largest of Maui County's four islands. The Island of Maui is also called the "Valley Isle" for the large isthmus between its northwestern and southeastern volcanoes and the numerous large valleys carved into both mountains. Maui won travel industry award as Best Island In The World. Maui's diverse landscapes are the result of a unique combination of geology, topography, and climate. Each volcanic cone in the chain of the Hawaiian Islands is built of dark, iron-rich/quartz-poor rocks, which poured out of thousands of vents as highly fluid lava, over a period of millions of years. Maui is such a "volcanic doublet," formed from two shield volcanoes that overlapped one another to form an isthmus between them.

The climate of the Hawaiian Islands is characterized by a two-season year, mild and uniform temperatures everywhere (except at high elevations). Showers are very common; while some of these are very heavy, the vast majorities are light and brief — a sudden sprinkle of rain and it's over. Even the heaviest rain showers are seldom accompanied by thunder and lightning. Throughout the lowlands, in summer an overwhelming dominance of trade winds produces a drier season. The two major industries on Maui are agriculture and tourism. Government research groups and high technology companies have discovered that Maui has a business environment favorable for growth in those sectors as well. It is famous for the following sports:

**Snorkeling**
There are over 30 beaches and bays to snorkel at around the island.

**Windsurfing**
Kanaha Beach Park is a very well-known windsurfing spot and may have stand-up paddle boarders or surfers if there are waves and no wind.

**Surfing**
One of the most popular sports in Hawaii. Ho'okipa Beach Park is one of Maui's most famous surfing and windsurfing spots. Other famous or frequently surfed areas include Slaughterhouse Beach, Honolua Bay, Pe'ahi (Jaws), and Fleming Beach.

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**Monthly Health Tips**

By—Niharika Verma (ECE 3rd Year)

- Always answer the phone call by left ear because using the right ear will directly affect the brain.
- Beets are strongly effective in breaking up tumors mainly by their excellent amount of betacyanin.

**Website an Engineer must know...**

By—Niharika Verma (ECE 3rd Year)

- http://www.efunda.com/home.cfm
- http://www.engineeryourlife.org/

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