Independence Day is the national festival of India. It is celebrated by everyone in the immortal memory of all the freedom fighters who dedicated their lives by shedding their blood to make India independent by fighting with the British. The day commemorates the political independence from the British rule on 15th August 1947 and that independence is celebrated every year. It is a day to pay tribute to the martyrs because of whose struggle and sacrifice we are breathing in the air of freedom. This year, India celebrated its 68th Independence Day.

The national festival is observed throughout India with flag- hoisting ceremonies, parades and cultural events. Indians celebrate the day by displaying the national flag on their attire, accessories, homes and vehicles; by listening to patriotic songs, watching patriotic movies; and bonding with family and friends. Prime Minister Shri Narendra Modi addressed the nation from the ramparts of the Red Fort on the 68th Independence Day in an hour-long extempore speech. He said in his speech:

I pay my respects to the cores of citizens of this country on the pious occasion of India’s independence, and recall all those martyrs who had laid down their lives in India’s struggle for freedom. The day of Independence is a festival when we take a solemn pledge of working for the welfare of mother India, and also for the welfare of the poor, oppressed, Dalits, the exploited & the backward people of our country.

He says when we hear about the incidents of rape, we hang our heads in shame. People come out with different arguments, someone indulges in psycho analysis. But, today from this platform, I want to ask those parents that you have a daughter of 10 or 12 years age, you are always on the alert, every now and then you keep on asking where are you going, when would you come back, inform immediately after you reach. Parents ask their daughters hundreds of questions, but have any parents ever dared to ask their son as to where he is going, why he is going out, who his friends are. After all, a rapist is also somebody’s son. He also has parents. As parents, have we ever asked our son as to what he is doing and where he is going? If every parent decides to impose as many restrictions on the sons as have been imposed on our daughters, try to do this with your sons, try to ask such questions from them.
My heartiest welcome to all in this Independence Day celebration.

We have Independence Day in common with three other nations - South Korea who won its independence from Japan on 15th August 1945, Bahrain won its independence from UK in 1971 and Republic of the Congo won its independence from France in 1960. On behalf of MIT family, I congratulate the citizens of our country and all these nations on this auspicious day.

Though we are celebrating Independence Day but we are not independent. We are highly dependent on other nations for resources as basic as food, technology, medical science, energy etc. We are dependent on the UN to resolve our issues, the World Bank for loan and finance. This is not independence. We as educated citizens of independent India are not doing our job seriously. There is a light of hope in our new PM Sri Narendra Modiji but he will not be able to solve the problems alone which Britishers gave us while they were going; the corruption. I was informed by our Director General Prof. S. Mukherjee that corruption in India was first started by Engineers, and then it involved Bureaucrats and in the last, our Political Leaders. Now the situation has become the other way round, Political Leaders are most corrupt and nucleating agents for corruption, then comes the Bureaucrats who are forced to get involved in corruption and finally the Engineers.

Since this problem has been started by Engineers, It is our responsibility that we take the initiatives to solve it also. The reason of this problem is Democracy and the solution is also Democracy by self-awareness, realization to the implications of corruption on our society and country checking ourselves.

Second thing which I would share is about our culture which is a culture in real sense; we are forgetting it and following western culture which will lead us to nowhere. I will recall some examples-

We eat Eggs, a lot of them. Doctors recommend eggs as rich source of protein and we follow their advice. But we are not aware that eggs are one of the most hard to digest proteins. Basically eggs are source of proteins for European countries, America and Russia where lentils are not grown and eggs are found in abundance. We are not aware that an egg is digested in 24 hours; moreover the yolk is not healthy for the middle-aged people and above. On the other hand, lentils (pulses) are rich source of proteins, digested in less than 4 hours and with no side effects. We prefer to be guided than to guide.

We are forgetting the arts and techniques which our first and most primitive civilization developed. These are-

**Ayurveda.** most ancient medicine therapy with least cost and soft on body but we prefer to take Allopathic medicines and look towards Ayurveda with inferior sight.

**Martial Arts**-China is known for the introduction of this natural and wonderful technique of self-defense as well as deadly method of offense without weapons. We are not aware that martial art was developed in India by an Indian Bodhidharma who migrated to China and taught martial arts to the Chinese.

**Hypnotism** is an art which was developed in Indian, many of the Indian Sadhus are practicing hypnotism but not for the creative purpose and without any productivity for the society.

**Astrology**-Without Mathematics and Astrophysics, we have calculated years, days, planetary calculations from ancient times.

The moral is: We must go back to our ancient culture and science and stop following blindly the West. West will bring their culture to us and will also bring ‘n’ number of diseases which includes Aids, Cancer, Swine Flue, Bird Flue, Plague like they have been doing in the past. Not even one of the above diseases has originated in India. First we will get the problem from the West and then we will buy the cure from them only. So there is a lot of introspection we are required to do and act upon.

On this auspicious day, I appeal to all to have faith in our culture and practices. Today, we are releasing yet another issue of our International Journals, all HODs, contributors and editorial team deserve congratulations for it.

Jai Hind Jai Bharat
Surviving a stroke or debilitating injury is often the start of a very long ordeal. Physical therapy can be slow and strenuous with no guarantee of recovery. Robotic exoskeletons can sometimes provide the support a ravaged body needs to heal—and strength when it can’t—but they typically cost more than a car and must be anchored to a wall and plugged into a socket.

In late 2012, a team of mechanical engineering students at University of Pennsylvania set out to build a portable, affordable exoskeleton. Two semesters of late nights and long weekends later, Elizabeth Beattie, Nicholas McGill, Nick Parrotta, and Nikolay Vladimirov had the Titan Arm: an efficient, lightweight, and surprisingly powerful robotic limb. Its actuator, or electronic muscle, could provide resistance during therapeutic exercises and can augment strength, allowing its wearer to lift an additional 40 pounds with little effort.

To ensure a slimmer frame than other exoskeletons and make Titan Arm easier for patients to use, the team situated its actuator in a backpack instead of in the limb itself. They also milled load-bearing parts out of aluminum to limit weight and power consumption.

McGill, the electronics lead, created a software-and-sensor package to track arm movements and wirelessly relay the data. This would allow a patient to use a Titan Arm at home and a therapist to remotely monitor the exercises. Potential beneficiaries, including stroke victims and an injured snowboarder, have already reached out to the team with encouraging comments.

1) POWER: Lithium-polymer battery packs provide a day’s worth of power.

2) MUSCLE: An electric motor in the backpack winds steel cables to rotate pulleys and induce arm movement. Beattie (left) designed a support system to safely distribute weight across a hip belt, elbow straps, and back plate.

3) BRAINS: Software reads the positions of magnetic sensors in the steel joints to instruct movement, which the operator controls from a handheld device.

A new motor developed by researchers at ETH Zurich's Department of Power Electronics and marketed by the Swiss company, Celeroton, can spin in excess of 1 million revolutions per minute. As a comparison, collapsed stars spin at 60,000 rpm, a blender at about 30,000, and high performance engines at around 10,000 rpm. The matchbook-sized motor has a titanium shell, ultra-thin wiring and a trade secret iron formulated cylinder. The need for smaller electronic devices requires smaller holes, which means smaller, faster, more efficient drills.

Another technological innovation is the biometric identification and security device known as Palm Secure. It works by identifying the vein pattern in the palms of our hands. Similar to our fingerprints, vein patterns are unique to each individual. The purported advantages of this technology is that it is less expensive, easier to manage, and is more reliable than traditional methods of identification.
“You don’t always need a plan. Sometimes you just need to breathe, TRUST, let go and see what happens.”

**G.K. Quiz**

1. The name of India’s first ever indigenously researched ship is?
   a) Sindhu Sadhna  b) Raksha Kavach  c) Sindhu Darshini  d) Indra Sadhna

2. What is favipiravir?
   a) An anti-viral drop to cure Ebola. b) An anti-viral drop to cure Dengue. 
   c) An anti-viral drop to cure Bird Flu. d) An anti-viral drop to cure Malaria.

3. India’s first Coral garden is coming up in which among the following states?
   a) Maharashtra  b) West Bengal  c) Andaman and Nicobar Islands  d) Gujarat

4. Which country has declared plans to issue world’s first currency?
   a) Germany  b) Thailand  c) Cuba  d) Ecuador

5. Which PSU will develop 2050km Energy highway for the Eastern India proposed by the Narendra Modi led Government?
   a) SAIL  b) GAIL  c) ONGC  d) Coal India Limited

**Answers**

1. Sindhu Sadhna
2. Favipiravir
3. Andaman and Nicobar Islands
4. Ecuador
5. GAIL

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**Movie Review**

By – Archit Saxena (ECE– 3rd Year)

**Movie:** Mardaani

**Cast:** Rani Mukherjee, Tahir Raj Bhasin

**Direction:** Pradeep Sarkar

**Genre:** Thriller

**Duration:** 2 h 33 m

**Rating:** ***

**Story:** A braveheart lady inspector from the crime branch stumbles on a sex-trafficking racket. Does she succeed in bringing the culprits to book?

**Review:** It’s raining fearless cops on the Bollywood marquee. Last week, it was Singham, who, in his khakis, returned to take the pants off corrupt politicians and godmen. And this week, it is Lady Singham or Shivani Shivaji Roy (Rani Mukerji), looking dapper, albeit briefly, in a police inspector’s uniform, who wreaks havoc in Pradeep Sarkar’s Mardaani.

This movie could have continuous recall had the pace been racier. And if you could also buy into the emotional tracks between Shivani and her husband, her niece or her ward. Also, Rani is the only member of the cast with star value. The rest of the actors, including the English-speaking young goon, are inconsequential.

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**SUDOKU**

By – Anmol Goel (CS– 3rd Year)

**Solution**
Institute News

Voice of MIT
By- Shruti Bhatnagar (EI-2nd Year), Arpita Bhatnagar (EE-2nd Year)

Prodigious event, 'Voice of MIT' held on 22nd of August, was well thought-out by The Hobbies Club. It was supervised by Dr. Deepti Gupta Ma'am. The event was organized in order to give exposure to the singers of the institution. Students from all the departments were permissible to participate. The event certainly turned out to be a great success. It began with the introduction of the various achievements of the club, it was followed by welcoming of faculty advisors - Ms. Shuchita Saxena, Dr. Archana Saxena, Mr. Simrat Singh Gill, Ms. Kalpna Agarwal and Ms. Megha Giri. As the number of participants came up and sang their hearts out, the judges were totally awestruck at the bounteous talent in MIT. Though everybody gave their best, only a few were awarded with the prize. The first prize winner was Mr. Yash Kishore (EC, 4th year) for his melodious song 'O Rangrej' from the movie Bhaag Milkha Bhaag. Mr. Shubham Chauhan (CS, 2nd year) and Mr. Kumar Shubhendu (IT, 4th year) secured second and third prizes, respectively. It would be unfair not to mention Anshul Saxena and Divisha Mathur (both, EC 3rd year) who got the runners-up prize for the first and second levels respectively. The whole event took a maximum of two hours in total and ended with a good note altogether.

GAME-O-HOLICS
By- Anshika Gupta (CS-3rd Year)

Today's time is the time of technology and new gadgets. This fact was very well used by the CS/IT society. They planned an event called "GAME-O-HOLICS" held on 29th August '14. The event consisted of two rounds:

1st round was a LAN game “NFS” and 2nd round was a game “ASPHALT”, played on android phones individually. A number of 100 entries were entertained, out of which 15 were short-listed for 2nd round. Winners were:

1. Mandeep Dhariwal, CS 4th year
2. Shivank Singhal, EC 2nd year
3. Mayank Tiwari, CS 3rd year
4. Arpit Sharma, CE 1st year
5. Abhishek Goswami, CS 3rd year

The event was well supervised by Ms. Prachi Gupta and coordinated by Vansh Johri and Mayank Atrey.
Institute News

Independence Day at MIT

By– Keshav Mehrotra (ECE-2nd Year), Areeb-ur-Rehman Shamsi (ME-2nd Year)

68th Independence Day was celebrated on 15th Aug '14 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 Shri. Sudhir Gupta, Vice Chairman, MET Moradabad and Shri Y.P. Gupta, Secretary, MIT Moradabad.

MIT was also honoured by the precious presence of various Rotarians.

The Kulgeet of Moradabad Institute of Technology (MIT) sung by MITians enthralled everyone.

The speeches given by students were eye opening for everyone present there. The clarity of thoughts at such a young age amazed everyone in the auditorium. Various songs sung by students filled everyone with joy and patriotism. The students of MIT also participated in the event with full enthusiasm.

Art Attack

By– Divyanshi Bhardwaj (EC- 2nd Year)

On 29th August ’2014 an event named "Art Attack" was organized by EESS society in EC Department. Students participated in the event with full enthusiasm and craze. As many as 130 students participated to show their talent. Everyone did really well but only a few were selected as winners.

1st prize was won by EC 3rd year students namely Divisha Mathur, Garima Pandey, Enjila Jilani, Charu Gupta. 2nd prize by EC and CS 2nd year students namely Radhika Rathi, Rupali Chaudhary, Kanika Sharma, Puja Agarwal and 3rd prize by CS 2nd year students namely Anamika Chauhan, Simran Agarwal, Yavneet Kaur, Aanchal. Faculty advisers were Ms. Shuchita Saxena, Ms. Pragati Gupta, and Ms. Ritika Tandon. Event coordinator was Nancy Varshney (4th year, EC). Event co-coordinator was Khushboo Dhiman (3rd year, EC).

T&P Cell Activities

By– Nitin Bhatnagar (ECE– 3rd Year)

Today TCS, Genpact, Cognizant, UST Global etc. are few of the big brands of recruiters by whom a student dreams to be recruited, but dreams of only few come true. Although MIT is being successful in fulfilling these desires of student as the result itself shows the truth.

During last session, 21 students were selected in TCS, 11 were selected in UST global, 50 were selected in Genpact, 17 were selected in Cognizant, 4 were selected in ZTE Corporaration, 32 third year students were selected for SSB in Indian Army, and many more selections were there in Companies like UP Jal Nigam, MacAfee, Adutech etc.


Training and Placement Cell is still trying very hard for the visit of various renowned companies for the placement of 2010-2014 batch. Two Companies, namely, Omega Devcon Pvt. Ltd., Moradabad & PET Plast India, Faridabad are expected to visit MIT for 2010-2014 batch during the month of September.
“The greatness of a nation can be judged by the way its animal are treated.”

Carried with Care, Coated with Pride
Dipped in Love. Fly in Glory
Moments of Freedom, In shades of joy
Proud to be an Indian, Happy Independence Day

15 August is the day of celebration, to rejoice Freedom and Independence of our motherland. We have celebrated many independence day. But what matters the most is how we have utilized these 68 years of freedom. Are we still boasting about what has been done 68 years back? Tell me what we have done for our country during these years?

The great work of our Freedom Fighters is over, they have gifted us political freedom i.e. to run the country on our own way. Today we do have the freedom to live and grow. No one can prove that Mahatma Gandhiji or Subhash Chandra Bose were the slaves of English rule. But as a country we were slaves. All these great martyrs always considered the society before taking any decision. This is the instinct which is missing now in this free India. Why we always want to run our own race?, why we are still the slaves of power and money?

Now here the question arises, Is it only a political Independence or Does it guarantee all the luxuries of the world? We used to criticize our country a lot by saying India is full of problems like corruption, illiteracy and many more. Do we ever try to find out the root cause of it? I am not eligible for taking admission in IIT and other institutes even after securing higher rank than the students of other classes.

Why? because of the reservation system of our country. It means my religion and caste stands ahead than my knowledge. Why we have built such a system where talent is hindered? We can’t find out the solution of problems with the same thinking as we created it. So let’s change our thinking and instead of criticizing let’s make a change.

And today we can’t give the excuse of weak leadership, because our new and dynamic Prime Minister is of our own choice. A single man alone can’t bring a miracle to this country. Let’s start up with our own level and unite our self to fight against all the evils of society like corruption, illiteracy, poverty and unemployment. Do not pour out every decision making in the hands of politicians only. Being an independent and educated citizen of this country understand our own responsibility. This is FREEDOM then only we will be INDEPENDENT completely.

Be the cause of unity            Fight against corruption
Flair the flag of our nation     Proud to be an Indian.

- Ramsha Naaz
CS- Final Year
NOW NO MORE PITY FOR WOMEN PLEASE!
- Shruti Gaur (ECE Final Year)

“Women; though half of the world’s population, yet a full circle. Within her is the power to create, nurture and transform.”

Pt. Jawahar Lal Nehru said that, “You can tell the condition of a nation by looking at the status of its women.” It has been 68 years since our country took its first proud step as a free nation. Stories of its freedom struggle will always remain incomplete without the great names of Rani Lakshmi Bai, Sarojini Naidu, Begum Hazrat Mahal and many more. But Indian women are still struggling for their own freedom. While women are guaranteed equality under constitution, patriarchal traditions still prevail.

No doubt, India offers a lot of opportunities to women. Indian women are nowhere behind men. We have the most recent example of the Common Wealth Games held in Glasgow where female Indian athletes have grabbed medals in weight lifting, boxing, shooting, squash and many other games, which are considered to be games of men. Other Indian women like Indira Nooyi, Kiran Bedi, Neena Lal Kidwayi, Kalpana Chawla, etc. have made the nation proud in their respective fields.

Even though, women are progressing, gender biasing is still highly visible throughout the society. Women are often seen as subordinate to men. Swami Vivekanand once remarked, “There is no chance of welfare of the world, unless the condition of women is improved.” However, when we look at our country, we find alarming atrocities on women. The literacy rate of women is much lower than that of men and shamefully India has been declared the 4th most unsafe place for women in the world.

I don’t wish women to have power over men, but over themselves. Mere legislation cannot bring true equality. There has to be reciprocal response from Indian men. I know that we women are much cared, but this care has taken the form of possession. I think this has happened because we women have been too long deprived of education and basic rights. But now we are steering towards awareness of each and everything. Malala Yousufzai has set an example in the entire world by fighting for education at an early age of 14 years. Her slogan “one child, one teacher, one pen & one book can change the whole world” inspires all.

Now no more pity for women please! We’ve gone through enough of plight! Enough! Enough of disposed foetus. Enough of a woman who has become viscous of her environment. Enough of a woman who cannot move about fearlessly. Enough of a woman who is subjected to restrictions. And above all, enough of gender gap! I’m tired! I’m tired of being a stereotype, a trophy and a prisoner of patriarchy. But now I want something real- respect, dignity, honour, love and care. I want to be free! Most of all, I WANT TO BE ME!

And it is possible only when the society creates safe and healthy environment for women; only when there will be no difference in men and women in any sphere of life. It is possible only in the family- the first place- where first the parents should start treating their daughters and sons equally. It is possible only when women understand that nobody will give them the power; because it is present within her. It is possible only when we remember that sustainable development of our nation is possible only with the participation & empowerment of women too; because that is how the full potential of our nation will be unfolded.

When I see out from my window
- Saad Nadeem (EE—3rd Year)

When I see out from my window
Mothers in their eyes have tears
Because of the pain they have to bear
They fear talking to their own child
Because they do not know when they become wild

When I see out from my window
Small children are working to earn their livelihood
They are lifting tonnes and cutting wood
They do not know what is education
Their life is just an abbreviation

When I see out from my window
Innocent people in bomb blast are killed
So that the dreams of some terrorist are fulfilled
A Lakh or two is given to the families as compensation
And that also just to raise governmental reputation

But this is not the end we can bring change
Starting from small step to step of big range

There are a lot of things we can say
Spread the peace in air everyday
There are a lot of things we can do
Stay away from lie; stick with what is true

Why to divide the nation into small fragments
Let’s change the world and have single commitment

No more 26/11 no more 9/11 no more such dates
Only peace just peace and erase the hate
Why to destroy when we can create
Let’s spread the nation peace and stop depending on fate

Let the river of peace flow in all direction
Let it touch you and every creation
Let it touch you and every situation
Let it mould you and every condition
Athirapilly Falls

Apart from the backwaters and coconut grooves, Kerala is also famous for the Athirapilly waterfalls. Not just calm and sweet, but something really wild and natural, these waterfalls provide you a silent escape from the stressful daily life of metro cities. The word ‘picturesque’ hold true while we talk of these giant natural wonders.

**River:** The 145 kilometres (90 mi) long Chalakudy River, originates in the Anamudi mountains of the Western Ghats[2] and flows through the Vazhachal Forest toward the Arabian Sea. The river initially runs smoothly but becomes more turbulent as it nears Athirappilly. At Athirapilly Falls, the water surges around big rocks and cascades down in three separate plumes.

**Wildlife:** Forest wildlife in the area includes the Asiatic elephant, tiger, leopard, bison, sambar, and lion-tailed macaque. The unique 180 metres (590 ft) elevation riparian forest in the Athirappilly-Vazhachal area is the only location where all four South Indian species of hornbills — the Great Hornbill (the State Bird of Kerala), Malabar Pied Hornbill, Malabar Grey Hornbill, and the Indian Grey Hornbill are found living together. Athirappilly is situated on the highways connecting Tamil Nadu and Kerala, amidst thick forest, so night riding is not advised.

The scenic beauty of Athirappilly falls has always been attractive to filmmakers. The falls were featured in Mani Ratnam’s Bollywood film Dil Se., starring Shahrukh Khan and Manisha Koirala. The 2007 Bollywood movie Guru used Athirappilly Falls as one of its locations. Rajiv Menon, the cinematographer of the movie, chose Athirappilly Falls as a background for one of its songs.

### Monthly Health Tips

**By– Niharika Verma (ECE 3rd Year)**

1. **Asthma-friendly sports.** Swimming is the most asthma-friendly sport of all, but cycling, canoeing, fishing, sailing and walking are also good, according to the experts.

2. **Sunscreen can be a smokescreen.** Sunscreen is unlikely to stop you from being sunburned, or to reduce your risk of developing skin cancer. That’s because most people don’t apply it properly, and stay in the sun too long.

### Team Reflections

**President**

Rohit Tiwari  
ECE, 4th Year

**Vice-President**

Prakhar Gupta  
ECE, 4th Year

**Coordinator**

Anant Shaurya Gaur  
ECE, 3rd Year

**Moderator:** Mayank Gupta, Pooja Gupta, Monica Vishnoi; **Columnist:** Anmol Goel, Anshika Gupta, Archit Saxena, Niharika Verma, Prachi Saxena

**Tech Reporter:** Smarika Agarwal, Sumna Khan  
**T & P Reporter:** Nitin Bhatnagar

**Journalists:** Shrutti Bhatnagar, Divyanshi Bhardwaj, Deeksha Mishra, Arpita Bhatnagar, Keshav Mehrotra, Areeb-ur-Rehman Shamsi, Harmeet Kaur

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

- **NCEES**  
  [http://ncees.org](http://ncees.org)  
  @NCEES

- **EMPORIS**  
  [http://www.emporis.com](http://www.emporis.com)  
  @Emporis