



imsec

THE BYTE

OCTOBER 2016

АДИЕРПМА

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LAPTOP

for the
**21-fun-things-
you-can-do-on-
the
internet!**

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Indian hackers

penetrated pakistan's
digital infrastruCture;
awaiting government
go-ahead

Facebook test- ing Snapchat

inside Messenger

MicroChips

Can they be be
trusted ?

World Without Borders



IMS GHAZIABAD

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LOOK

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Vision of the Institution

Vision

Our vision is to impart vibrant, innovative and global education and to make IMS the world leader in terms of excellence of education, research and to serve the nation in the 21st century.

Mission of the Institution

Mission

-  To develop IMSEC as a centre of Excellence in Technical and Management education.
-  To inculcate in its students the qualities of Leadership, Professionalism, Executive competence and corporate understanding.
-  To imbibe and enhance Human Values, Ethics and Morals in our students.
-  To transform students into Globally Competitive professionals.

The vision and mission of the college are available at the college website. These statements are communicated to stakeholders through Information Brochure and have also been displayed at Reception and in each Department and other prominent location of the college.

Vision (Department)

To be recognized as a Centre of Excellence imparting quality education and creating new opportunities for students to meet the challenges of technological development in Computer Science & Engineering.

Mission (Department)

To promote technical proficiency by adopting effective teaching learning processes.—

To provide environment— & opportunity for students to bring out their inherent talents for all round development.

To promote latest technologies in Computer Science— & Engineering and across disciplines in order to serve the needs of Industry, Government, Society, and the Scientific community.

To educate students to be Successful, Ethical and Effective problem-solvers and Life-Long learners—who will contribute positively to the society

Program Educational Objectives

PEO1. Graduates of the program will be able to apply fundamental principles of mathematics, engineering, management, basic programming languages in problem understanding & formulating its solutions. They will be aware of the role of computing in multiple disciplines.

PEO2. Graduates will learn to apply the principles of advanced computer programming & approaches, software engineering, project management, emerging techniques & tools while developing real world computational solutions and projects. Graduates should also learn to collaborate & apply innovative aspects in problem solving.

PEO3. Graduates will enhance their technical, aptitude, communication & professional skills through value addition programs, project based learning, engineering events, self learning, research, interaction with industry & alumni. Help our graduates to establish a productive Computer Science and Engineering career in Industry, Government or Academia;

PEO4. To promote the understanding of professionalism, ethics, social responsibilities among graduates. They will contribute to the society through active engagement with professional societies, schools, civic organizations or other community activities. To promote professional capabilities through lifelong learning.

PROGRAM SPECIFIC OUTCOMES (PSOs)

A. Student is able to apply fundamental principles of mathematics, engineering, management, basic programming languages in problem understanding & formulating its solutions. They are aware of the role of computing in multiple disciplines

B. Students have learned to develop small software projects /applications by applying the principles of software Engineering & project management. Students have developed the desire of using emerging techniques & tools for problem solving. Few students have demonstrated their skills by developing innovative & live projects

C. A number of initiatives were taken to enhance the technical, aptitude, & professional skills of students by offering value addition programs, project based learning, engineering events, self learning, interaction with industry. This has helped to enhance their technical skills & all round development. Our graduates are doing fairly well in their professional careers.

D. Students have learnt the importance of lifelong learning, professionalism, ethics & their social responsibilities.

PROGRAM OUTCOMES (POs)

Engineering Graduates will be able to:

- 1. Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- 2. Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- 3. Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- 4. Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- 5. Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- 6. The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- 7. Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- 8. Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- 9. Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- 10. Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
- 11. Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- 12. Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.



Articles

1

Entrepreneurship

- Ankit Srivastava
CS 1, 3rd yr.

The best line I have ever heard about entrepreneurship is that: "Who doesn't care for spelling of entrepreneur but have spirit to be one."

According to me "An Entrepreneur is someone who is crazy enough to work 100 hours a week so that he don't have to work 40 hours for someone else."

As I am a big Fan of Mr Bill gates so I think when it's time to talk about Entrepreneur there is no reason to talk about him who is the legend of entrepreneur and have a remarkable value in this field who aimed to become a millionaire by the age of 30. However, he became a billionaire at 31.

One another thing about bill gates is that if he was a country he would be the 63 richest on the earth that prove him to God of entrepreneurship.

Today I see so many peoples who don't want to take risk they want to do something but the fear of failure is the biggest reason which de-motivates him. For them I want to give an example of obviously my ideal Bill gates, He created Microsoft, the biggest and arguably the best computer/technology advancement and company in the world. How did that come about? You probably already know, but if you don't; he started the mega-billion dollar worth company in his garage. His garage! Does it get any riskier? Why not just get a regular job and get yourself a paycheck, Bill? What happens if this doesn't work, Bill? What then? What if you put all the money you have into your Microsoft idea and it doesn't go anywhere, now what Bill?

Bill Gates made it into Harvard. It's all set out for him, He can get a great degree and get well over \$300,000 and have a nice job. Wait, what? You just dropped out of freaking HAVARD?!? TO DO WHAT? To pursue this dream you have about your computers? People would laugh and walk away...

You see, this is a great example of risk. Nobody thought the computers would take off. Nobody thought "Microsoft" would be a thing, let alone a company worth billions of dollars. Nobody thought the "idiot" who dropped out of Harvard to pursue some dumb idea he came up with in a garage would work. But Bill Gates did, and now he can sit back and bask in it.

"...Those are the ones whom we consider as legends. Don't live like a rat for 100 years, I would be proud if my son lives like a lion for just one day..."

All great and successful businessmen have one thing in common; they had confidence in themselves and believed in their idea when no-one else did.

Now let me start this with a question. What do you prefer? Signing a pay cheque or receiving a signed pay cheque? Can't stand being on the receiving end of your boss's anger? Worry not, because you can be your own boss. "Entrepreneur", it sure is a lengthy and scary noun. It would rather be fitting to quote that the myths surrounding it make it a million folds more frightening. However, independence is the new buzzword among youngsters; it is seen as the queen of luxuries.

But comfort and satisfaction come at a fair price, right? Let us look at the colourful pages of the book about living the dream of being an entrepreneur.

1. Work on your Believe

Have a strong hold for what you believe in. It gives you the courage to trust yourself more than anyone else and it helps unlock your true potential. Success breeds more success and in return instils faith and self-confidence.

2. Freedom to what you

want to do. Biggest advantage of being an entrepreneur is implementing your ideas, without waiting for approval from your boss' boss' boss, which might take an eternity to get sanctioned. Stand up for what you believe. That freedom engages you to be more productive and successful. Work where you like, work with the people you like. Develop and sell products you love.



3. Millions Of opportunity

A million opportunities are laid out in front of you, and you get to choose from these countless options.

Being a young entrepreneur gives you the liberty to try out different opportunities. When the pieces fall in place, you create your own path. Carve out your destiny and shape your company by interacting with like-minded people by networking.

4. Rain of Money with an opportunity to help others

It is tough in the beginning but eventually it pays off, literally.

Along with wealth for themselves, entrepreneurs create job opportunities for people. An idea that changes your life and a thousand other people's is an idea that will matter.

5. Give Satisfaction Make Difference

Solve problems and give people what they need – every entrepreneur seeks this ultimate satisfaction of making a difference. Breaking barriers and helping people get past hurdles will make you relish success. You get to earn raving accolades and your customers turn out to become your fans too!

Be the change you wish to see in the world.

Being an entrepreneur, you have to juggle multiple tasks and manage your time as efficiently as possible. You have to stay focused and deliver promises to your team and clients alike.

And that puts you in a very proud position.

The main qualities should be in successful entrepreneurs are:
According to me and my experience and on the basis of knowledge:

- ☒ Creativity/Ideas
- ☒ Self-starter abilities
- ☒ Self-discipline
- ☒ Diligence
- ☒ Perseverance
- ☒ Belief in themselves and their cause
- ☒ Team building
- ☒ Leadership

These keys qualities make an entrepreneur a successful entrepreneur.

One other important thing which I have in my mind that as i belong to a Indian middle class family I know the fact is that or you can say that a problem of thinking of our society which create some situation at the time when a U.S person works on his dream we do struggle to explain the things to society.

Mostly our society (middle class) house hold has some miss conceptions on entrepreneurship

1. They believe we want huge loads of money to start a business when all you need is a good idea and proof it works
2. They believe that if business fails they lose reputation and suffer huge debts which isn't always true if you have a solid exit plan
3. Mostly parents believe that job gives a solid security and government jobs are the best because they have rules which are pro employees and if you witnessed a govt. Office (yeah you know what it's like) and govt is mostly pays salary handsomely these days to reinforce their opinion
4. So you have to prove your metal in home before you conquer world as old saying says but the thing is it works both ways.

I request to the Indian parents please give a chance to your children to do something in his life according to them. If you do there will be two things either they will be successful or fail. If they will get success that is what you also want for them but if they will fail then they will learn and give their 100% more next time after all they will learn how to deal with situation that also you want.

So please support you children and their dream and make them strong to fight in his life rather than always prevent them.

Here I want to share with you one incident in my life which incident totally gives a different way to me to see the world On my 20th birthday. Mom kissed me on my forehead and wished me with this line which I'm pretty sure would stay in my memory for quite a long time.

"Son, our time on this planet is limited. People are born every day, but only some of them live eternally for thousands of years. Those are the ones whom we consider as legends. Don't live like a rat for 100 years, I would be proud if my son lives like a lion for just one day. I seriously do. Don't just pay bills and leave this planet son. Do something great. I know you will. God bless you"

Until that day, I didn't know Mom had such deep thoughts in her mind. I sincerely believed that she wanted me to live a riskless life and stay comfortable like all the other Indian parents wish. She's different. She's awesome.

She's supermom.

According to me if you believe in yourself and your ideas go ahead and give your 100%.

1

Facebook testing Snapchat feature inside Messenger

-Lavaneesh jain
2CS 2nd yr

In an another attempt to take on photo sharing mobile service Snapchat,

Facebook has rolled out a new feature called Messenger Day which lets users post photos and videos that disappear after a day.

According to a report, Messenger Day – which reportedly tries to clone Snapchat's "Stories" feature — is now available in Poland. Messenger Day appears at top of the conversation list in Facebook Messenger. Users can add animated text and graphics to pictures or video snippets before sharing them. "Facebook doesn't yet have an answer to Snapchat's killer "lens" selfie face effects," the report added.



Earlier, Facebook announced that users can soon go live from the face-swapping MSQRD app and utilise different Snapchat-like masks and filters while the video is running.

Facebook first acquired Masquerade, the Belarusian startup behind MSQRD back in March.

Available later this year, the feature will help users invite a friend to "drop in" on a live broadcast.

Facebook will also let you schedule a live broadcast and has built a lobby system so people can hangout before one starts.

Users can add animated text and graphics to pictures or video snippets before sharing them.

2

Indian hackers have penetrated Pakistan's digital infrastructure; awaiting government go-ahead

- Navya Srivastava
2Cs 2nd yr

A team of cyber security personnel have reportedly gained access to critical Pakistani government assets. India is claiming to have penetrated critical Pakistani government websites, in preparation for possible strike commands from the government.

Additional Director- General of the National Cyber Safety and Security Standards, S Amar Prasad Reddy, said at the National Cyber Defence Summit 2016 that an Indian team of hackers has penetrated online infrastructure in Pakistan, including defence systems and a collection of gov.pk websites. "The moment we get the go-ahead, we will destroy these," he said in a quote to the Hindu.

The anticipatory action reportedly began shortly after the Pathankot terrorist attack on January 2. Reddy claims the team in question is poised and ready to destroy critical government assets. In addition, when asked about the safety of India's own websites, Reddy says teams and systems are already in place to guard the most crucial of assets. However, he also admits that India needs close to 10 lakh cyber security personnel to protect infrastructure in all states.





Swarm Robotics

Swarm robotics is the study of robotic systems consisting of a large group of relatively small and simple robots that interact and cooperate with each other in order to jointly solve tasks that are outside their own individual capabilities. Swarm robotic systems typically exhibit interesting properties such as high degrees of parallelism, redundancy, and robustness. They are also highly adaptive to changes in the environment, and show good scalability to increased problem and/or swarm size. Some applications of swarm robotics are as follows:



Robot Scouts for Precision Agriculture

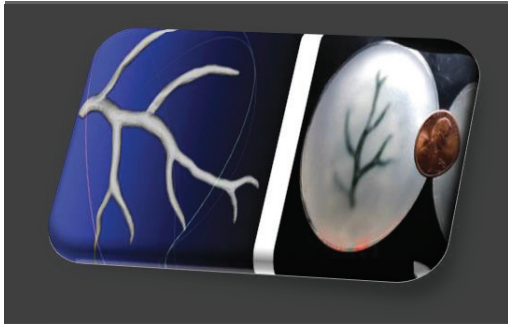
Smart robotic systems to improve efficiency and yield of farm operations. The goal is to provide specialty crop growers with a data-driven deployment strategy that makes synergistic use of a networked robotic system working interactively with a human scout. First, task is the development of a lightweight and self-contained multi-spectral 3-D imaging system that has been deployed using unmanned aerial vehicles (UAVs), ground vehicles, and carried by a human scout. Acquired data have been used to train statistical models enabling persistent monitoring of crop yield, morphology, and health. Second, task is the development of the framework and algorithms to deploy multiple UAVs that can collaborate with and be controlled by a single human scout. Finally, a decision support system will enable the human scout and the swarm of co-robots to operate in concert over extended periods while accommodating constraints on sensing, navigation speeds, and power consumption.

Cooperative Manipulation and Transport

How can independent, autonomous robots collaborate to perform such manipulation tasks as lifting and transporting large or heavy payloads?

There are several examples in nature where individuals cooperate to perform tasks they individually cannot perform. In collaboration with biologists, how ants engage in cooperative prey retrieval carrying large, awkwardly shaped morsels of food back to their nest. Another example is bacteria lifting and swimming with large payloads. Using biological inspiration, develop models, design algorithms and create robotic systems that are able to cooperate both on the ground and in the air.





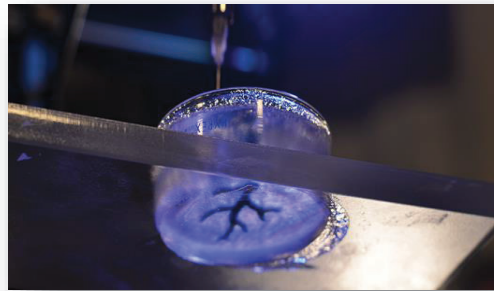
BY : SHALVIKA SHROTRIYA , CS3 2 YR

Right now more than 4,000 Americans are on the waiting list to receive a heart transplant. With failing hearts, these patients have no other options; heart tissue, unlike other parts of the body, is unable to heal itself once it is damaged. Fortunately, recent work coming out of the College of Engineering could one day lead to a world in which transplants are no longer necessary to repair damaged organs

"The challenge with soft materials—think about something like Jello that we eat—is that they collapse under their own weight when 3-D printed in air," explained Feinberg. "So we developed a method of printing these soft materials inside a support bath material. Essentially, we print one gel inside of another gel, which allows us to accurately position the soft material as it's being printed, layer-by-layer."

One of the major advances of this technique, termed FRESH, or "Freeform Reversible Embedding of Suspended Hydrogels," is that the support gel can be

ENGINEER HACKS OFF-THE-SHELF 3-D PRINTER TOWARD REBUILDING THE HEART



Traditional 3-D printers build hard objects typically made of plastic or metal, and they work by depositing material onto a surface layer-by-layer to create the 3-D object. Printing each layer requires sturdy support from the layers below, so printing with soft materials like gels has been limited.

"We've been able to take MRI images of coronary arteries and 3-D images of embryonic hearts and 3-D bioprint them with unprecedented resolution and quality out of very soft materials like collagens, alginates, and fibrins," said Adam Feinberg, an associate professor of Materials Science and Engineering and Biomedical Engineering. Feinberg leads the Regenerative Biomaterials and Therapeutics Group, and the group's study was published in the October 23 issue of the journal *Science Advances*.

"As excellently demonstrated by Professor Feinberg's work in bioprinting, our CMU researchers continue to develop novel solutions like this for problems that can have a transformational effect on society," said Jim Garrett, Dean of Carnegie Mellon's College of Engineering. "We should expect to see 3-D bioprinting continue to grow as an important tool for a large number of medical applications."

3-D printing of various materials has been a common trend in tissue engineering in the last decade, but until now, no one had developed a method for assembling common tissue engineering gels like collagen or fibrin," said TJ Hinton, a graduate student in biomedical engineering at Carnegie Mellon and lead author of the study.

easily melted away and removed by heating to body temperature, which does not damage the delicate biological molecules or living cells that were bioprinted. As a next step, the group is working towards incorporating real heart cells into these 3-D printed tissue structures, providing a scaffold to help form contractile muscle.

Bioprinting is a growing field, but to date, most 3-D bioprinters cost over \$100,000 and/or require specialized expertise to operate, limiting wider-spread adoption. Feinberg's group, however, has been able to implement their technique on a range of consumer-level 3-D printers, which cost less than \$1,000 by utilizing open-source hardware and software.

"Not only is the cost low, but by using open-source software, we have access to finetune the print parameters, optimize what we're doing and maximize the quality of what we're printing," Feinberg said. "It has really enabled us to accelerate development of new materials and innovate in this space. And we are also contributing back by releasing our 3-D printer designs under an open-source license."

2

How Spotify and SoundCloud tie-up Can be the future of music streaming

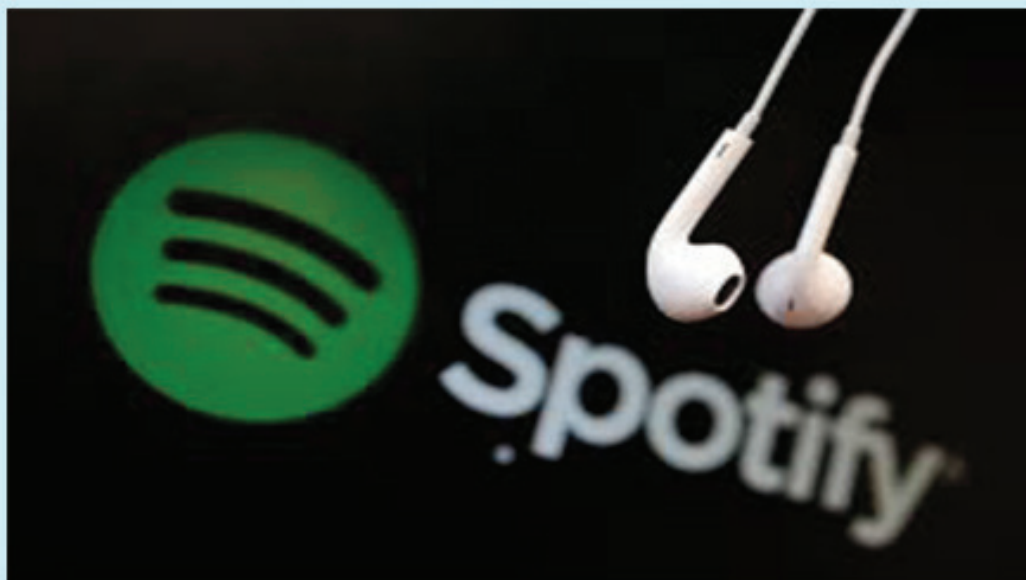
-Ankita rastogi
CS 2nd yr

What happens when great content ties up with a great user base? You get a glimpse at the future. This is what must be the idea behind the reported talks of Spotify acquiring Soundcloud.

Spotify has been in 'advanced' level talks to acquire indie-favorite music streaming website SoundCloud. Spotify is one of the best that there is, yet it has a long way to go in order to challenge everyone else. It has become a recent favourite among the millennials because of the ease and content, as well as an innovative technology it keeps adding to it. In the app, there are options like Daily Mixes, Discover Weekly, and Release Radar which have some of the best content. The music content is so great that even mixtapes created are reliable enough to be enjoyed for a while, which cannot be said about many music streaming websites.

Soundcloud in itself has not been far behind. It has always been an indie favourite. Even little known upcoming artists with great music can be found on the app. Even the mixtapes on Soundcloud are so great that it can compete with Spotify at any level. But the best thing about this app is that anyone can upload content to the website whenever they wish to, which cannot be said for Spotify. In Spotify, the user will have to be a part of a label in order to upload music. Now, the worst part is, neither of these two companies is making money. Spotify with its increased base might be getting greater revenues, yet it is not making any profits. At the same time, Soundcloud's position is much worse. It is so broke, that it has gone public in asking for capital injection.

Spotify has around 40 million users on its website, and if the acquisition happens, Soundcloud can give up on its premium offers which anyway did not help them much. Spotify in March this year raised a \$1 billion in debt financing, which can be helpful for Soundcloud too. Apart from that Spotify has a huge advertisement base, which can help fund SoundCloud. Interestingly, SoundCloud has a unique user base of young people listening to music, free of cost.



It would be interesting to see how they merge the different demographics of users, one which listens to free music and one which subscribes to fully licensed tracks. Yet, it is undeniable that the tie-up will help in creating a super music streaming service which will have latest hits by Justin Beiber to obscure music by underground rock artists.

The only problem is if they could maintain each other's integrity and stick with what made them popular. While SoundCloud had the backing of hard working indie artists which led it to get a young and vibrant community, Spotify had the exact opposite of its own glamour. If they cannot harness this, the deal can be a bust. Also, it remains to be seen if Spotify gets rid of the idea of music labels, and instead become the future of independent music. After all, it sure does not want to go the Rdio way. Rdio, which was once a cult favourite because of its amazing interface, instead went on to get acquired by Pandora for \$ 75million dollars.

Literary



Revenge from sarcasm of failures

By : ROHIT SINGH

Revenge from sarcasm of failures
So, where are you living
where are you flying...
Why are you living..!!
in a world which can't be define.

Turn upto there,
your imaginary world ends where
& just drag yourself there....
where your blurred life becomes fair.

You'll have to open the doors,
you'll have to push the strings..
To make your life glorious,
& to open your wings.

Just to fly, In an open blue sky,
Just to dry, the tears of your cry
& just to take..
A revenge from sarcasm of failures.

A revenge from sarcasm of failures.
& just to take..
Just to dry, the tears of your cry
Just to fly, in an open blue sky.



We live in perplexing times. We are more interconnected than ever before. World economies are tied together and utterly dependant on each other. Yet the very thing that fuels our globalization is also the very thing that fuels our destruction. Climate change and oil spills that have devastating environmental impacts are showing the price of our global trade. While we give lip service to things such as free trade and global human rights, the sovereignty of nations remains unquestioned. However, in a world bound together by environment and social networks, we must be ready to re-imagine what it means to be both a global citizen and local community member.

The political trend towards isolationism and self-interest is as strong as ever, even while the problems facing the world today are global in nature. But the thought of foregoing nationalistic pride is scoffed at in the name of self-interest. What if the most self-interested decision we could make would be a greater move towards global cooperation? In a world connected by social networks, this has never been more possible.

There are some who might argue that a borderless world would be a cultureless world. That without distinct national, sovereign boundaries, our world would descend into a single homogenous corporate Amero-culture. My first response is, what does that say about the culture each of us helps create and define each day?

Imagine for a moment a world without borders. A world where people freely travel and move about. In this world, the only obstacle to seeing the great wonders of human civilization would be the cost of transportation. Imagine a world where transportation does not come at the cost of environmental degradation. A world where visas and passports are no longer necessary and we would be free to travel and work anywhere and everywhere we wanted. Is this a dream worth fighting for? Is this a world worth sacrificing for?

The first response for many is that this is an unrealizable pipe dream, and not even a positive one. A borderless world—for all its promises of freedom and harmony—is fraught with all kinds of problems as well. I would wager that the most common possible problem in the reader's mind is a fear of security. A borderless world likely conveys fears of terrorists moving about at will with their threats and acts of violence on a defenseless people.

However, maybe this is not how a borderless world would have to be. What if we could live in a safe and free world that did not cling desperately to culture in the face of overwhelming capitalistic domination? What if culture the world over thrived and blossomed—not in spite of a borderless world, but because of it? Could this really be so?

Why do nations exist? Why did states come to be? Well, in a world before flight and worldwide transportation, resources had to be protected. In a finite world of limited resources, this was the single greatest reason for war. Someone else wanted what you had and the easiest way to get it was by force. National boundaries were established in an attempt to end the constant battle for resources. It was a pragmatic solution to the constant bloodshed that plagued the world. And it worked—at least some of the time

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That was before international trade. That was before oil. That was before avocados in February. That was before UPS overnight shipping from Seattle to Shanghai. We now live in a global world that must manage resources globally, not locally.

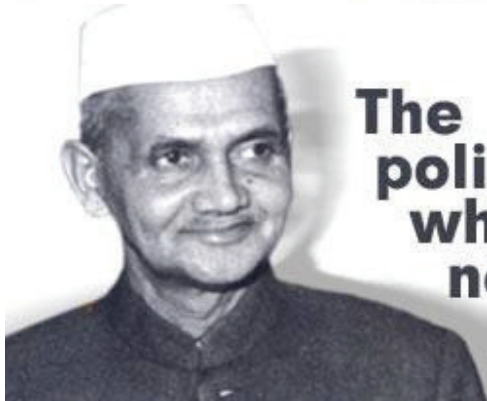
Socially and politically we must think globally. We must find a way to look past our nationalistic tendencies as they have now outlived their usefulness. Just as record labels have lost their power to be the sole distributor of media, so too have the great power brokers of the twentieth century. Now, information is power, and in this new global world, we have access to all the information we need to obtain all the power we want. The power to form and shape our world is in our hands like never before. We are increasingly in control of our world and we are the ones who will shape it if we reach out and connect with those around us. Borders have limited usefulness and increasingly less meaning.

What then about culture and security? These two things tend to flow together. While a global world would be free to manage resources globally, culture would thrive locally. We would have to give up avocados in February because the way in which we ship them across the world is no longer sustainable. Communities would become locally sustainable. While the internet would give us the power to connect to the entire world for information and communication, we would need to give up some of the things we have gotten used to. Farmland and water resources at the local level would have to be protected. Las Vegas is not a twenty-first century city. Our resources are extremely finite and we can no longer act like they will go forever. Soon, only the self-sufficient will survive, which will relight the flame of community that we have lost in the independence of the twentieth century. As communities depend on themselves alone for sustainability, we could see organization and community at the micro level explode just as it has at the macro-level.

And what about security? In a world where communities are free to develop their own cultures once again, as information and education and knowledge flows freely, in a world where everyone has opportunity and hope, the flame that fuels radicalism and terror would be extinguished.

Is this a world worth dreaming about? Is this a world worth sacrificing for? Is this a world worth fighting for? In this world, people would again hold the power that democracy once promised. Corporate elites are losing their stranglehold on the flow of information and it is up to us to pick up and carry that torch. Reach out and connect to the world around you. Let us continue down the path that erodes nationalistic self-interest and promotes the self-interest of humanity. Together we can build a bold new future. But it will take vision and sacrifice. The road ahead will not be easy, but anything and everything worth having never is.

"The best way to find yourself is to lose yourself in the service of others."



The politician who made no money

जय जवान
जय किसान

5 things you must know about former Prime Minister Lal Bahadur Shastri

Freedom fighter and India's second Prime Minister Lal Bahadur Shastri shared his birthday with Father of Nation, Mahatma Gandhi. On his 111th birth anniversary here are 5 things one must know about Shastriji.

The story behind 'Jai Jawan Jai Kisan'

When Lal Bahadur Shastri took over as a Prime Minister in 1964, India used to be a food importing country then. It depended on food imports from North America under the PL-480 scheme. In 1965, when we were at war with Pakistan, India faced drought as well. Keeping in mind, the food situation and the prevailing hunger, Shastri had urged the entire country to hold a fast for a day. Lal Bahadur Shastri knew and understood the significance of soldiers and farmers and gave slogan during that period - Jai Jawan Jai Kisan.

Shastri's conflict with American President Lyndon Johnson

Towards the end of 1965 and before his death on January 11, 1966, in an interview with an American journalist, Lal Bahadur Shastri, despite his dependency on America for food import, didn't nod his head and said the war

by America in Vietnam was an act of aggression. His statement wasn't received well by the American counterpart who then stopped food exports to India under a 'Stop-go-policy'. India was then in such a miserable situation that the Food & Agriculture Organisation of the United Nations had to appeal to the US to resume food exports.

He wasn't a born 'Shastri'

Lal Bahadur Shastri was born in Ramnagar of Varanasi in a Kayastha family, but because he didn't believe in the caste system, he gave up his title. It was not until later, when he graduated from Kashi Vidyapeeth, the title of Shastri (scholar) was awarded to him.

As a minister in Jawahar Lal Nehru's cabinet, Shastri set some milestones that are still followed

As a Transport Minister, Lal Bahadur Shastri was the first in India to make it possible for women to be appointed as conductors in transportation facilities. It was also Shastri's idea to use jets of water to disperse the crowd rather than lathi-charge.

His first address to nation as a Prime Minister

"There comes a time in the life of every nation when it stands at the crossroads of history and must choose which way to go. But for us there need to be no difficulty or hesitation, no looking to right or left. Our way is straight and clear—the building up of a socialist democracy at home with freedom and prosperity for all, and the maintenance of world peace and friendship with all nations."

"India will have to hang down her head in shame if even one person is left who is said in any way to be untouchable...."

"That loyalty to the country comes ahead of all other loyalties. And this is an absolute loyalty, since one cannot weight it in terms of what one receives".



QUESTIONS

Q & A

ANSWERS

1

21 Fun Things You Can Do on the Internet in 2016

-Asmita Singh
CS-1 3rd year

It's 3 a.m., and your palms are sweaty, knees weak, arms are heavy...Well, you might not be Eminem, but you're definitely up late procrastinating that poli-sci paper. In the age of technology, it's our responsibility as millennials to become experts on all the strange and random things the Internet has to offer

1. LEARN AN EMERGING LANGUAGE

learn one of the world's emerging languages for free online, without wasting your Class Credit or precious tuition dollars.

2. WHO NAMES THEIR KID EMINEM ANYWAYS?

Hit up good ol' Wikipedia to uncover the identities of your favorite freestylers.

3. LURKIN' ON LINKEDIN

Forget Facebook and Instagram. Learn about new people and their jobs and internships.

4. WHO'S THE REAL PSYCHO?

Take a test to solve the impossible riddle of your mind, and who knows, you might be able to call yourself a psychopath. Find out which of your friends can say the same. Hint: It's always the quiet ones...

5. CELEBRITIES GO TO COLLEGE TOO!

Every school has that famous alum or two who everyone brags about to their friends. But what about that guy from that Netflix original series or the man who created the Honey Crisp apple? You can never know too much about your school, and bragging to your high school friends never gets old either.

6. GOOGLE THE HELL OUT OF YOURSELF

You don't have to be famous to rack up an Internet presence. Check out what future employers see when they type in your name and make sure no one tagged you in those Solo Cup pics. You can even unearth those social media profiles you haven't logged into since you were 13.

7. ARE YOU SMARTER THAN A FIFTH GRADER?

I don't know about you, but primarygames.com made Computer Class my favorite in the third grade. You're never too old to Conquer all 12 levels of Save the Sheriff, or try your hand at the summer Olympic Games. Age 20, age 10, what's the difference?

8. RIDDLE ME THIS... EN ESPAÑOL

By age 20, you've probably heard all the riddles in the book. But have you heard them in a foreign language? This activity passed more time than I thought possible at my summer job. Gather a squad of any foreign language minors and turn a simple activity into something new and educational. See if they have what it takes to figure the riddles out for themselves too.

9. YEAH, I'M AN ASTROLOGY MAJOR

You may have heard NASA shifted the horoscope signs around and added a whole new sign (#Libra4Life). But that doesn't mean you can't get old school and check out your OG horoscope on the internet. "It's always uncanny how [horoscopes] can be spot on sometimes,"



10. BINGE WATCH; DON'T BINGE EAT

Cooking is hard. Watching other people cook from the laziness of your bed is not. "[Watching people cook is] seriously so fun and addictive, but I always have to be eating something when I'm watching them because otherwise I'm starving,"

11. AND DON'T FORGET TO FEED YOUR EARS

"Find new artists and bands you love who make you want to sing at the top of your lungs into a hairbrush microphone...Then, find the remixed and cover version,"

12. HUG ME, BROTHA

Just stare at the screen and watch videos of strangers hugging you, not literally, of course. The concept seems bizarre, but hey, it's better than talking to strangers on Omegle or replying to that creepy guy on Tinder just for some attention.

13. THE PINTEREST W'S

That's right, friends, wardrobe and wedding. "You can plan your Pinterest wedding even if you're single af or redo your wardrobe on Pinterest even if you can't afford it," Zastrow said. Escape the confines of reality and turn your imagination into a virtual reality

14. CATCH SOME CATFISH

If you've ever gotten a strange friend request from a barren profile, do some digging with reverse image searches and phone number lookups to see if the profile is real. When you inevitably confirm you're right, message your friends who've fallen prey to the profile, and help a brother or sister out. I can tell you from experience that warning a friend can be almost as satisfying as a B+ in a 300-level English class.

15. WATCH AESTHETICALLY PLEASING YOUTUBE VIDEOS

Remember in *Toy Story 2* when Woody's kidnapper polishes him up and (shiver) paints over his boot? The video has over 2 million views on YouTube; psychologists say the scene speaks to the human need for perfection. Forget psychology and put that video on replay. Watching videos of artists writing with calligraphy pens is also more satisfying than you think.

16. BYE, FELICIA...WAIT, WHO'S FELICIA?

We all friended a bunch of people at the beginning of freshman year who we vaguely saw around our dorm or history class, but do you really want to see what that person had for lunch on your timeline? Go through your friends list and unfriend people who don't even know your name. Quality over quantity, am I right?

17. NAME THAT MOVIE

We've all been there—your bestie has been talking your ear off for hours trying to remember the name of that romantic movie with Ben Affleck and Gwyneth Paltrow. Tell her to check out omiv.com. The website can help you remember the name of any movie. Narrow your search by genre, year, director and other categories.

18. MAKE IT RAIN

No further explanation required here. Simply put on some Rainy Mood and take a nap or get your homework done to the background noise of some soothing rain without the leaky roof and the chilly bed sheets.

19. CREATE FACEBOOK POLLS FOR YOUR #SQUAD

My friend once made a Facebook poll within our group chat of four best friends asking the others to choose their favorite thing about me. Shout out your friend's best qualities and return the favor. You can even decide on the next restaurant to hit up or what to watch for Friday's movie night.

20. PLAY SOME SUPER SMASH BROS.

Who would you bet on, Jigglypuff or Princess Peach? Smash plays (pun intended) a large part in #dormculture, so it might be time to get on that. "It's cool and lets you relive your childhood video game adventures," Northwestern junior Jason Mast said. Play the free Flash version to get started.

21. #FBF ALL DAY EVERY DAY

Find your friend's fifth grade yearbook photo or that pic from when they first created their Facebook account. You'll have your squad laughing for days. Trust me, the 12-year-old version of yourself will find more popularity than 20-year-old you ever will.

Privacy & Security on the Internet with these Tools



All across the web companies are collecting information about you whether you like it or not. Knowing which companies are more trustworthy with your information than others and how to keep yourself as safe as possible on the internet is important. If you aren't sure whether websites that you use are making the grade then check them out yourself. Surprisingly to most, when you log in to most mobile or web applications, at least 15 pieces of information are sent in every which direction. Don't let companies take advantage of your unawareness – take action! If you catch them claiming one thing, but in reality doing another, get justice by reporting the company to the Federal Trade Commission.



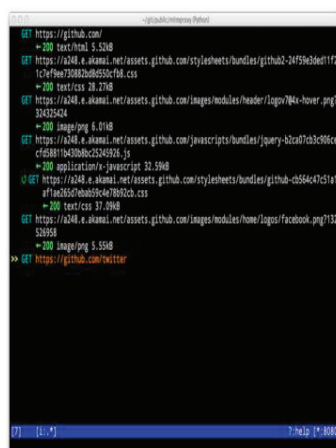
5. Infoencrypt, SafeGmail, Hushmail or Lockbin

Infoencrypt, SafeGmail, Hushmail or Lockbin – use these free services to send all of your emails encrypted.

6. Verisign Trust Seal



Run by Symantec, look for the Verisign Trust Seal of approval on websites which ensures SSL encryption.



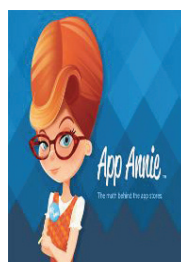
1. Mitmproxy

Using Mitmproxy, a free “behind the scenes” tool, you can do some investigation to find out whether a company collects more information about you than you would expect or if it sends your information insecurely.



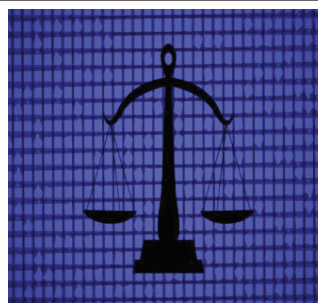
2. PrivacyGrade

PrivacyGrade is a website that allows you to see how robust a company's mobile application is at protecting your privacy.



3. AppAnnie

AppAnnie gives you metrics about mobile applications and has some good aggregate statistics about sharing policies of different application industries which you could use to evaluate whether a mobile application you're using shares too much information relative to the average company in that sector.



4. TRUSTe

Look for TRUSTe's seal of approval as it provides companies with data privacy management solutions.

CAN MICROCHIPS BE TRUSTED?

BY : Vaishnavi Garg, 2CS 2nd YR

Technology. We're immersed in it every day. Your cell phone, computer, television, and automobile are all pieces of technology—hardware designed with software for practical purposes. We've all been warned about the implications of malicious software: viruses, data breaches, and identity theft. But what about the hardware? Are you sure the hardware in your device is trustworthy?

We assume the microchips in our devices were made under strict guidelines and will perform as intended. Unfortunately, that is not always the case.

As the global leader in manufacturing, China produces the majority of microchips used in electronics. However, the production of microchips is not currently regulated in China. Without adhering to strict guidelines, factories can manufacture counterfeit microchips, resulting in underperformance and shorter life spans. Counterfeiting microchips can take many forms: improper recycling, unauthorized production and cloning, introducing hardware Trojans, and illegally brand-stamping are all ways counterfeit microchips are making their way into technology we use.

In 2010, the United States Navy unknowingly purchased 59,000 counterfeit Chinese computer microchips to be used aboard warships, fighter planes, and anti-missile systems. Robert Ernst, head of research for the Naval Air Systems Command's Aging Aircraft Program, estimates as many as 15% of all the spare and replacement microchips that the Pentagon buys are counterfeit. A 2012 Defense Science Board survey estimates that one in three deployed military systems have counterfeit chips in them.

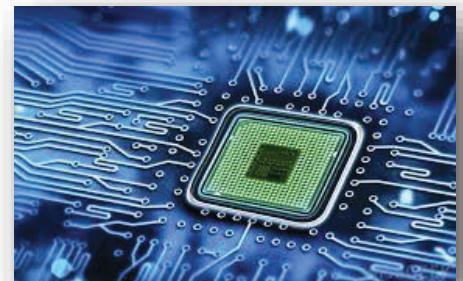
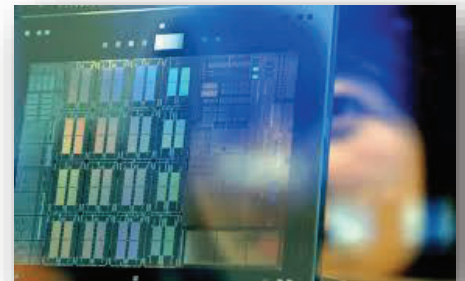
While these statistics are worrying, the future is hopeful. Researchers in Carnegie Mellon's Department of Electrical and Computer Engineering

(ECE) are training people and creating the technology needed to combat hardware security threats. Principal Systems Scientist Ken Mai is developing new, low-cost, hardware-level methods of securing electronic systems against illegal counterfeiting.

Imagine if each microchip were produced with a unique fingerprint, or a secure chip odometer, that would allow it to be tracked from production to installation. The secure chip odometer would gauge authentication of provenance to enable differentiation between genuine and counterfeit parts. Much like a vehicle identification number, the secure chip odometer would allow users to track if a microchip is new or used, when it was manufactured, how long it has been in operation, and whether it has been tampered with.

To support his research in combatting microchip counterfeiting, Mai received one of nine awards given by the National Science Foundation (NSF) and the Semiconductor Research Corporation (SRC) under the Secure, Trustworthy, Assured, and Resilient Semiconductors and Systems Program (STARSS).

Mai and the rest of the ECE department have a unique angle for approaching the topic of hardware security. "We saw an opportunity to approach hardware security from a hardware design perspective, versus a security perspective," says Mai. "Most of the people working in the space are security people trying to do hardware. We are hardware people applying our skill set to provide security." Mai believes we could be using the secure chip odometer in a few years. And in the meantime? "Be smart about the hardware you use," says Mai. "Purchase hardware from trusted sources and recycle properly. Common sense goes a long way toward protection."



THE BYTE

OCT 2016

Departmental
EVENTS

DEPARTMENTAL EVENTS

THE BYTE, OCTOBER 2016

NSFTICE

CSE-IMSEC-CSI Student Branch of Department of Computer Science & Engineering organized “National Seminar on Future Trends and Innovation” at IMSEC, Ghaziabad on 30th September’16. It is strived towards working together with the Students and Faculty and bringing in a common platform to present their innovative ideas on technical grounds, digging up the deep down knowledge of their topic presented. The event initiated with the welcome of the Keynote speaker Mr. Puneet Agarwal, Principal Scientist at Tata Consultancy Services Ltd, Mr. Anilji Gerg, Vice-chairman, CSI Ghaziabad Chapter and Mrs. Kavita Saxena, Secretary, CSI Ghaziabad Chapter. Mr. Anilji Gerg addressed and appreciated the event to create such platform where we could gather engineering students to show their creativity and technical expertise. The Keynote speaker Mr. Puneet Agarwal, delivered a technical talk on "IoT: Industrial Internet & Actionable Intelligence". He also responded on career based questioning by our student audience. He gave an idea about how to prepare for getting placement in TCS.

Afterwards, the Seminar welcomed the poster presentations and research/ review paper, which were presented by young innovative engineering students. Basically seminar focused on recent research and technologies such as Machine Learning, Big Data, Natural Language Processing, Home Automation, LIFI, Project tango, Quantum Computing and Google Space elevator etc. In the seminar, 196 students participated for poster presentations. They showed their creativity and scoop of technical knowledge while presenting their posters. On the hand, 87 students gave oral presentation on review/research papers. There was a large number of participation which made a grand success for the event.

Poster Presentation

First Prize: Poster id: 8

- Abhishek Pandey
- Divyansh Tiwari
- Arpit Kumar

Second Prize: - Poster id: 12 & 52

- Anand
- Aman Gupta
- Ananya Gupta

- Amit Kumar
- Shalvika Shrotriya
- Vrinda Sharma
- Vaishnavi Garg

Third Prize: poster id: 9, 25 &28

- Aman Rathore
- Adarsh Kumar Singh
- Ayush Trpathi
- Neha Sharma
- Mitali Srivastava
- Swati Gupta
- Naveen Singh
- Labeeba Ahmad
- Nupur Mittal
- Komal Singh

Oral Presentation

First Prize: Paper id 29

- Geeta Singh
- Dolly Upaddhyay
- Anu Kumari

Second Prize: Paper Id: 20

- Monami Banerjee
- Preksha Srivastava

Third Prize: Paper Id: 21

- Pranjal Gupta
- Parimal Srivastava
- Danish Ahmed Khan

MADAD DONATION CAMP

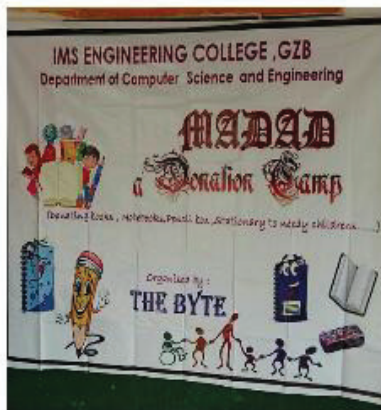
THE BYTE team successfully organised MADAD ...a donation Camp. on the occasion of 2nd anniversary of THE BYTE.

The student members of Byte Club of Computer Science Department of IMS Engineering College, came together for a social cause & organized a donation camp ' MADAD ' at a government school of Ghaziabad where they donated stationary, food items ,bags and old clothes to needy people of slum areas.

The Director of IMSEC, Prof (Dr.) S. Mukherjee appreciated the initiatives of the students & motivated .The entire event was organized by the student members of the Byte Club. Dr. Pankaj Agarwal (HoD of CS Department) and Dr. Avdesh Gupta were also present with the students to motivate them.

Glimpses of MADAD:







Current Affairs

BY : MR. MUKESH KR. SINGH , ASST. PROFF. ,DEPT. OF CSE

S Sivakumar appointed as full time member of 21st Law Commission of India

The Union Government has appointed S. Sivakumar as a full-time Member of the 21st Law Commission of India (LCI). He is the professor at the Indian Law Institute (ILI) in New Delhi. He hails from Kerala and has authored several books on law. He specialises in Administrative Law and Media Law. His areas of interests include Constitutional Law, IPR, Human Rights, ADR and Clinical Legal Education. He is a recipient of the National Law Day Award in 2008.

2016 BRICS Labour & Employment Ministerial Meet held in New Delhi

The 2016 BRICS Labour & Employment Ministerial Meet was held in New Delhi from September 27- 28, 2016 to deliberate on issues including job creation and social security for workers. The two day meeting saw the participation of the five major emerging BRICS economies viz. Brazil, Russia, India, China and South Africa.

Indian women's kabaddi team wins gold medal in Asian Beach Games

medal at the 5th Asian Beach Games held in Danang, Vietnam. In the final match, Indian team defeated Thailand by 41-31 score. With this, Indian women's kabaddi team has won the title for the record fifth time in succession. For Thailand, it was the fifth time in a row they had lost to India in a final. The Indian women's kabaddi team won the gold medal since the inception of the biennial Games in 2008.

Indian Army carries out surgical strikes on terror launch pads across LoC

Indian Army has successfully conducted surgical strikes on terror launch pads across the Line of Control () in Pakistan-Occupied Kashmir (PoK) i.e. along India's de-facto border with Pakistan. The surgical strikes were India's first direct military response to attack on Uri army base by Pakistan-based militants that had killed 18 Indian soldiers.

Union Cabinet approves ratification of the Paris Agreement

The Union Cabinet has given its approval to ratify the Paris Agreement (on Climate Change) on Gandhi Jayanti i.e. on 2nd October 2016. The Paris Agreement was adopted by 185 nations in December 2015. India had signed the agreement in New York in April 2016. So far, 191 countries have signed the agreement.

World's first three-parent baby born in Mexico

The world's first three-parent baby boy was born in Mexico to a Jordanian couple with the help a controversial new fertility technique that incorporates DNA from three people in the embryo. The 'three-parent' technique also known as

Mitochondrial donation (Mitochondrial Replacement Therapy) allows parents with rare genetic mutations to have healthy babies.

29 September: World Maritime Day

The World Maritime Day is observed across the world on 29 September to highlight the importance of shipping safety, maritime security and the marine environment. Several events are organised to mark this day by the International Maritime Organization (IMO), member Governments, maritime industry etc. 2016 Theme: "Shipping: indispensable to the world". The theme focuses on the critical link between shipping and global society. It also raises awareness of the relevance of the role of IMO as the global regulatory body for international shipping.

CCEA approves implementation of Project SAKSHAM for CBEC's GST integration

The Cabinet Committee on Economic Affairs (CCEA) under the chairmanship of Prime Minister Narendra Modi has approved 'Project SAKSHAM'. The Project SAKSHAM is a New Indirect Tax Network (Systems Integration) of the Central Board of Excise and Customs (CBEC). It seeks to bolster the information technology network for the new Goods and Services Tax (GST) regime that the Union Government intends to roll out from 1st April 2017.

Union Cabinet approves MoU between India, Singapore to give a boost to Innovation, Creativity and Technological Advancement

The Union Cabinet has given its approval to the Memorandum of Understanding (MoU) in the field of Industrial Property Cooperation. The MoU will be signed at the upcoming official state visit of Singapore's Prime Minister to India from 4 to 7 October, 2016.

Fine particulates causing chronic illnesses: WHO Study

As per the study conducted by the World Health Organisation (WHO) air pollution caused by fine particulate matter (PM) is causing long-lasting disease chronic illnesses. About a fifth of the 3 million people died worldwide because of exposure to fine PM2.5 which may have aggravated or been directly responsible for cardiovascular diseases and lung cancer.

Union Cabinet gives approves Varistha Pension Bima Yojana, 2003 and Varistha Pension Bima Yojana, 2014

The Union Cabinet has given its ex-post facto approval for the Varishtha Pension Bima Yojana (VPBY) 2003 and Varistha Pension Bima Yojana (VPBY) 2014. The Cabinet also granted approval for expenditure incurred on subsidy amount released to LIC for the both schemes.

India ranks 39th in 2016-17 Global Competitiveness Index

India has been ranked 39th among the 138 countries in the 2016-17 Global Competitiveness Index (GCI). The index was released as part of the World Economic Forum's (WEF) Global Competitiveness Report for 2016-17.

28 September: World Rabies Day

The World Rabies Day is observed on 28 September across the world to raise awareness about the rabies disease and its preventable measures. Observance of the day seeks to raise awareness about the impact of rabies on animals and human beings. It also seeks to share information on how to prevent the disease. 2016 Theme: "Rabies: Educate. Vaccinate. Eliminate".

Jim Yong Kim re-appointed as President of World Bank for second term

Jim Yong Kim has been re-appointed as President of World Bank for a second five-year term beginning 1 July 2017. He was unanimously chosen by the Executive Directors of the World Bank. He was the only candidate in a process.

IGI becomes Asia-Pacific's first carbon neutral airport

The Indira Gandhi International (IGI) Airport has become Asia-Pacific's only and one of the world's few airports to achieve a carbon neutral status. The announcement in this regard was made by the Airports Council International (ACI) during the Airport Carbon Accreditation certificate presentation ceremony to IGI in Montreal, Canada.

RK Pachnanda appointed as DG of National Disaster Response Force

Senior IPS officer R. K. Pachnanda was appointed as Director General of National Disaster Response Force (NDRF). He is a 1983 batch Indian Police Service (IPS) officer from West Bengal cadre. Prior to this appointment he was serving as ADG of Central Industrial Security Force (CISF).

India wins historic 500th Test against New Zealand

India has won the test match against New Zealand by 197-runs in their historic 500th cricket Test in Kanpur. On the fifth and final day of the match at Green Park, India bowled out the visitors for 236 in their second innings. Shortly after Lunch, they set them an improbable target of 434.

ISRO successfully launches 8 satellites into two different orbits

The Indian Space Research Organisation (ISRO) for first time has successfully launched eight satellites into two different orbits in a single mission. These satellites were launched onboard of Polar Satellite Launch Vehicle C35 (PSLV C35) from the first launch pad of the Satish Dhawan Space Centre, Sriharikota. It was PSLV's longest and most complex mission. It is also for the first time PSLV has successfully placed satellites in two different orbits in single mission.

World's largest radio telescope built in China

China has built world's largest radio telescope nicknamed Tianyan (Heavenly Eye" or "The Eye of Heaven) or the five-hundred-metre aperture spherical radio telescope (FAST). It has started its operation and is part of China's drive to become a science powerhouse. It is located in the Dawodang depression (vast natural crater), a natural basin in Pingtang County in the Guizhou Province, Southwest China.

India, US Joint Military Training Exercise Yudh Abhyas 2016 concludes

India and United States (US) Joint Military Training Exercise Yudh Abhyas 2016 concluded at the Chaubattia Military Station in Ranikhet, Uttarakhand. The bilateral military exercise was the twelfth edition in the YudhAbhyas series which started in the year 2004 under US Army Pacific Partnership Program. This was the third time the exercise is being conducted at Chaubattia in Uttarakhand.

Pinky Balhara wins bronze medal in 5th Asian Beach Games

India's Pinky Balhara has won bronze medal in the sporting event of kurash at the 5th Asian Beach Games held at Da Nang, Vietnam. She won the medal in women's 52kg category after she lost to Nguyen Thi Thanh Thuy of Vietnam in the semifinals. Vietnam's Nguyen Thi Thanh Thuy won the gold medal in this event while another Vietnamese Nguyen Thi Quynh won the silver medal. To participate in the 5th Asian Beach Games, India had sent a contingent of 208 members. The athletes will participate in 13 sporting disciplines which include Kabaddi, Swimming,

Handball, Pencak Silat, Kurash, Woodball, Sambo, Ju-Jitsu, Pentaque, Sepaktakraw, Shuttlecock, Voninam and Muay Thai.

First Russia-Pakistan military exercise Druzhba-2016 begins

The first military exercise between Russia and Pakistan named Druzhba-2016 (Friendship-2016) has kicked off in Pakistan. With this, Pakistani Army and Russian Ground Forces (RGF) have come together for the first time in military exercises reflecting growing military ties between two former Cold War rivals.

UNSC approves resolution for global implementation CTBT to ban nuclear weapons tests

The United Nations Security Council (UNSC) has approved a resolution urging quick global implementation of Comprehensive Nuclear-Test-Ban treaty (CTBT) to ban tests of nuclear weapons. The resolution has welcomed progress made towards universalization of the Treaty with 14 votes in favour of it and one abstention (Egypt).

National waterways project threatens Gangetic dolphins

According to the scientists and wildlife conservationists, the National Waterways (NW) project possesses serious environmental threat to Gangetic river dolphins. The development NW1 in the River Ganga is considered as single-largest threat to the survival of the species, whose numbers are declining in most parts of their natural habitat. River dolphins are found in Ganga and Brahmaputra and its tributaries. It has been declared endangered species and is protected under Schedule I of the Wildlife Protection Act, 1972.

Sun Pharma signs deal with ICGEB to develop India's first dengue vaccine

India's largest pharmaceutical company Sun Pharma has signed deal with International Centre for Genetic Engineering and Biotechnology (ICGEB) for clinical development Cissampelos pariera (Cipa), India's first vaccine (drug) for the treatment of dengue. The partnership between Sun Pharma and ICGEB aims to develop safe, effective and affordable botanical drug Cipa.

Union Government to launch Mission Parivar Vikas for improved family planning services

The Union Ministry of Health and Family Welfare is going to launch Mission Parivar Vikas for improved family planning services in 145 High Focus districts in seven states. The objective of mission is to accelerate access to high quality family planning choices based on information, reliable services and supplies within a rights-based framework.

India and Russia joint military exercise Indra 2016 begins

The eighth edition of joint military exercise 'Indra-2016' between India and Russia has begun in Russian city of Vladivostok. The main focus of this edition of bilateral military exercise is on Counter-Terrorism Operations in semi mountainous and jungle terrain under United Nations Mandate.



Chief Editors



Prof. Amit Kr. Gautam
Dept of CSE



Prof. Lipika Goel
Dept of CSE

TEAM LEADERS



Anmol



Akshay



Aman



Purvi

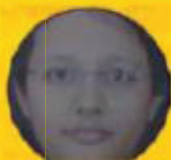


Ayushi

B.Tech CS.4th yr



Asmita



Aayushi



Akanksha



Arohi



Charchil



Apeksha



Ankita

3rd YR COORDINATORS



Ranjeet, 2nd yr 205

2nd yr COORDINATORS



Dear Readers

*We write this in a positive frame of mind
and we're really glad that we've got
this far.*

*It was crazy when we started it but when
it all came together we were more than
happy.*

*The whole industry is undergoing
profound changes and we'll be talking
about a few of them.*

*We're very proud of the work displayed
here by the writers, photographers and
designers who made this issue possible.*

*We hope you enjoy reading these articles,
as seen through the IMS student's
journalistic eye.*

.....FROM THE BYTE TEAM

The Byte Team....

Wishes



HAPPY DIWALI