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I T   D E P A R T M E N T   Q U A R T E R L Y   M A G A Z I N E

INSIDE THIS ISSUE:

OF THE STUDENTS, BY THE STUDENTS

This issue is an exhibit of the creativity of some of our students. They have articulated their thoughts through their poems, paintings, photography and pieces of writing. They inform, entertain, provoke and make you ponder. The issue aims to invoke the hitherto unknown creativity of other students, as well.

CONVERITA 2K13– THE TECHNICAL EXTRAVAGANZA

The Association of Information Technologists (AIT) was started in the year 2002. It was initially created to foster and to stimulate the interest among the students of the Department of Information Technology. With that in mind, every year the association conducts a National level technical symposium, "ConverITa" along with various other technical activities. Here is presenting this year's edition of Converita.

ETHICAL HACKING WORKSHOP– AN OVERVIEW

Bharath Arjun Muruganatham– 2nd year IT-A

As the old adage goes "Prevention is better than cure" this is what exactly describes the purpose of ethical hacking. An Ethical Hacker works in an ethical and responsible manner to improve the overall security posture of individuals, corporations and nations.

Association of Information Technologists conducted an Ethical hacking workshop as a part of Converita 2013 on 27th& 28th August-2013, at SSN college of Engineering, Chennai. The workshop was presided over by Mr.Sai Satish.

Sai Satish is a young Entrepreneur, Founder & CEO of Indian Servers. Administrator of Andhra hackers (Top hacking awareness forum in INDIA). An Author, A renowned Ethical Hacker & Cyber Security Expert, Microsoft Security Researcher, International Cyber Security trainer. Thousands of college students and professionals got benefited by his lectures, which are delivered at 100+ colleges & universities all over the WORLD. He worked as Microsoft Student Partner, Corporate .Net Trainer etc. He was interviewed by Many International, national and regional news channels like Dap News (Cambodia), AajTak, The Hindu, Deccan Chronicle, Zee TV, TV9, NTV, Eenadu, Sakshi etc. He is a regular speaker at Computer Society of India Events.

"The Hacking Secrets", one of the best ethical hacking books available in the market was distributed to all the participants. The total number of participants were around 600. The workshop commenced at 10:00 am and ended at 04:00 pm on both days.

BIOMETRICS

Prashanth Balu, 3rd year IT– B

" Oh no! I forgot my password! ",is a common phrase these days as people have to remember a lot of passwords in their day-to-day life. This includes their SNS (social networking sites) passwords, banking PIN numbers, internet banking passwords, phone pass codes and email passwords. Thus, remembering these many passwords becomes a cumbersome task and ultimately the user tends to forget some. After a password has been forgotten, the task of getting the control of the account back is difficult (particularly if the lost password is the internet banking password or the ATM PIN number).

To combat this menace, Apple Inc. has introduced the concept of fingerprint authentication in its flagship model iPhone 5S. This involves the user registering a set of fingerprints, and from then onwards only their fingerprints are necessary to carry out everything: from unlocking the iPhone to making purchases. This effectively reduces the load on the user's memory to remember almost 10-15 different types of passwords. This has paved the way for a new branch of technology in consumer electronics-BIOMETRICS. *Biometrics refers to the identification of humans by their characteristics or traits.* Biometrics is used in computer science as a form of identification and access control. Since our natural traits are used, this system cannot be forged and hence these systems are highly secure. Biometrics include, but are not limited to fingerprints, irises, retinas, DNA, palm recognition, facial recognition etc. They also extend to reading brain waves (electroencephalogram) and heart beat pattern (electrocardiogram) but these are still in the research stage.

The basic steps involved in the biometric authentication system are

- **Pre-processing**

   The purpose of pre-processing is to discard irrelevant information in the input data, which can negatively affect the recognition. This improves speed and accuracy. Pre-processing usually consists of binarization, normalization, sampling and smoothing.

- **Feature Extractor**

   The feature extractor is used for identifying and marking the characteristic features of the pre-processed sample.

- **Template Generator**

   Used for converting the sample into a form this can be easily stored and used for comparison purpose.
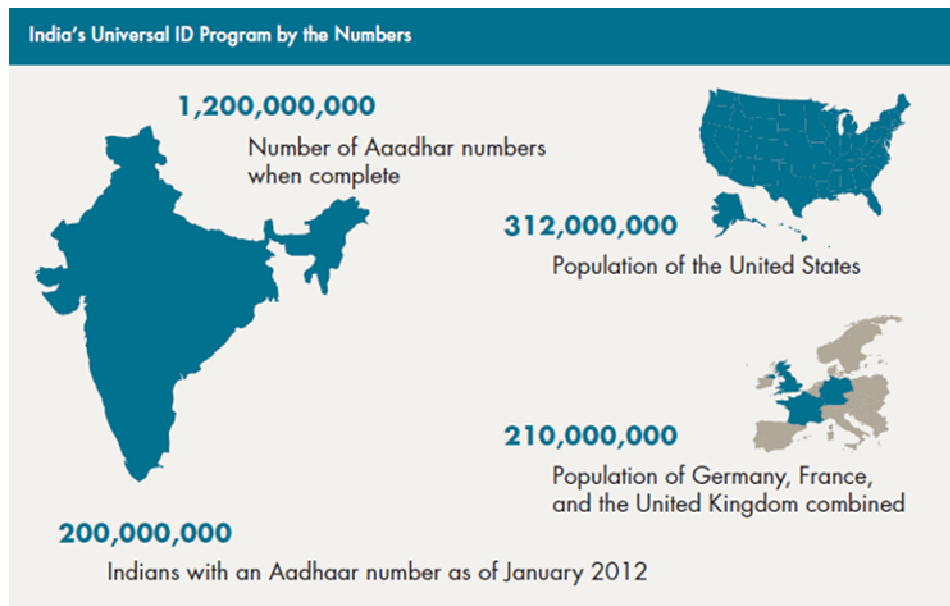
- **Matcher**

   The matcher is used to match the scanned template with the stored templates and display whether there is a match or not.

Using multiple biometrics

As this database will be much larger than that of most countries, it is impossible to provide reliable identification with just the fingerprint technology alone. Hence the UIDAI agents are to collect two iris scans, ten fingerprints, and a digital photograph from each enrollee. This multimodal system is advantageous because different biometrics are better suited for different tasks. Iris scans provide more data than fingerprints, this is essential for de-duplication, but fingerprints are easier and cheaper to authenticate. Having multiple measures also reduces the failure-to-enroll rate, as some people may have worn fingerprints or damaged eyes.

Supports public and private-sector applications

The UID program is designed to be an "identity service provider" for both government programs and the private sector. Users from public and private agencies can verify people's identity against their fingerprints and Aadhar number. When queried, the UID database returns a simple yes or no response to the match; no personal information is provided and at the same time, users can prove their identity.

India's Universal ID Program by the Numbers

1,200,000,000
Number of Aaadhar numbers when complete

312,000,000
Population of the United States

210,000,000
Population of Germany, France, and the United Kingdom combined

200,000,000
Indians with an Aadhaar number as of January 2012

A Monetizer, A geek & his Evolutionary Invention

Lakshman Diwakar-3rd year IT-A

Characters involved in this article are,
Monetizer - Larry Ellison(CEO of Oracle)
Geek - James Gosling
Invention - Java

JAVA (J-to the-A-to the-V-to the-A), this magic word to over 900 million developers worldwide, the blood for 9 billion devices and my favourite language. Java was initially developed to enhance the cable television system. But now it is widely used in robots to mobile phones to browsers to simple calculators.

James Gosling, the genius geek was the man behind this evolutionary discovery. And how did he do it?

During1990's, SUN Microsystems(Stanford University and Networks) and James's team, a bunch of youngsters from Stanford proposed the project. Initially they named it as OAK, after the Oak tree in James's office. Later they named it JAVA due to the team's love for coffee. Our Geek writes in his blog that he actually enjoyed his sleepless nights. He also quotes ,"I used to have fun while coding Java, we used to sit in the roof top so that no one can disturb us except the serene view of the moon". Inspiring ,isn't it?

The first release was in 1995. Java gained her grounds even in her first release and soon many versions were released to the joy of the programmers. Being an open source, it was comfortable and pleasing to work with. They enjoyed each and every benefit of JAVA, implementing it in all possible devices they could. So this accounted for a mammoth number of devices that depend on JAVA.
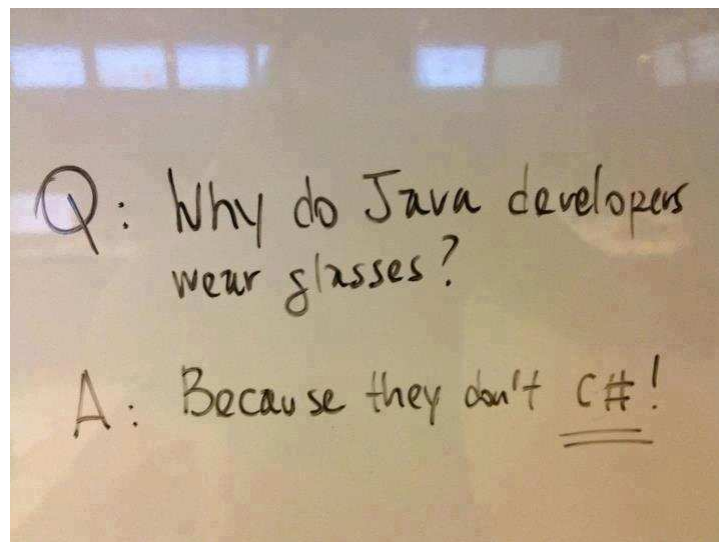
Now what is the threat?

It is Oracle, the Software giant lead by Larry Ellison. Being an innovator, Larry took the database world to the unexpected heights. The only problem with Oracle is its lucrative nature towards their products. They keep on monetizing from their products. During the first decade of 21st century, their only competitor was Sun Microsystems. When SUN was under huge debts and was bankrupt, Oracle purchased Sun Microsystems. As Oracle owned SUN, JAVA was under the monetizer's control. Not to comment on its development, JAVA was quite robust, secure but gradually became lucrative. Due to its ubiquitous nature, it was further implemented in android too. Android which holds 60 percent of mobile share is totally dependent on JAVA. Soon after Oracle's acquisition of Sun, a lawsuit was filed against Google for breaching the copyrights of Oracle. Google is now in the verge of leaving their non-profitable android because of the huge sum imposed for breaching the patents.

James Gosling left Oracle immediately. He didn't like his invention turning in to a profitable one. He was the man behind the startling discovery- JAVA. He was hired by Google and later joined a new startup called Liquid Robotics. I would call him the man with dynamic capabilities. It is rumored that he is integrating JAVA with robots for exploring millions of data in pacific ocean. Given his dedication and intelligence, I'm sure it can't be a rumor.

JAVA due to Oracle's acquisition of the SUN, is becoming a proprietary language. And that would be the worst nightmare for many, including me. Let's hope JAVA remains the way it is- OPEN, FRIENDLY AND BEAUTIFUL.!!

CELEBRATING THE LEGEND-THE SACHIN TENDULKAR QUIZ

-Mahima.S,3rd year IT-A

1. What does Major Roop Singh have to do with Sachin Tendulkar?

2. Two wards in Delhi's Tihar jail are named after two Indian cricketers. One of them was Tendulkar. The other is X and was named by Y for the reason Z. Find X, Y, Z.

3. Sachin's wax statue was unveiled at the SCG on April 20th 2013 before being placed at Sydney's Madam Tussauds Wax Museum. What was wrong about this statue?

4. Brett Lee has dismissed the master the maximum number of times in ODI's. X and Y hold the feat in test matches. Id X and Y.

5. Who said these words about Sachin?
"I am fortunate that I've to bowl at him only in the nets."
"I have seen God, he bats at no. 4 for India."
"Sachin is a genius. I'm a mere mortal."
 "I would like to thank you from the bottom of my heart for allowing us to breathe the same air as you do."

6. Connect:

- Hansie Cronje
- Ujesh Ranchod
- Ruwan Kalpage
- Mark Ealham
- Neil Johnson
- Jacob Oram
- Monty Panesar
- Cameron White
- Peter Siddle
- Peter George

7. Sachin became the third player to have scored a century against all test playing nations. Who were the first two?

8. Given is the picture of a man whom you would have seen in all the matches of Team India cheering Sachin all the way. He claims himself to be Sachin's biggest fan. Name him.

9. This cartoon below by Amul was made in what relation to Sachin?

10. The fourth picture in the next page in the sequence would be that of Sachin's. Id the connect.

ANSWERS:

1. Roop Singh stadium, Gwalior 200*. He became the first player to have scored a double century in ODI's at this ground.

2. X- Vinod Kambli, Y- Kiran Bedi, Z- for a 664 run unbroken partnership in school.

3. The wax statue has the 2012 ICC World T20 t-shirt, a tournament which Sachin was not a part of.

4. James Anderson and Muttiah Muralitharan
5. Anil Kumble, Matthew Hayden, Brian Lara, Shah Rukh Khan

6. Bowlers who claimed Sachin Tendulkar as their first test wicket. All the bowlers concerned were making their Test debuts except Cronje, who did so in his second Test after not bowling in his first.

7. Steve Waugh and Gary Kirsten

8. Sudhir Kumar Chaudhary.

9. Tendulkar joined hands with Virgin comics to create a series of comic books featuring him as a superhero. He would be called "Master Blaster".

10. First cricketer's to have scored 50,100,150 and 200 respectively in One Day Internationals.

11. Shoulder before wicket.

12. Waqar Younis and Shahid Saeed from Pakistan. Salil Ankola from India.

13. He was the first player to have been declared out by a third umpire!

14. The 1998 Commonwealth Games in Kuala Lampur had cricket as one of its disciplines and India sent a different team led by Ajay Jadeja. After India were ousted from the Games, Tendulkar flew to Toronto to play the final ODI.

15. Jawaharlal Nehru Stadium, Kochi.

11. During India's tour to Australia in 1999- 00, he was declared out when he ducked to coin the term ——— ———————

12. Sachin made his test debut against Pakistan in the year 1989. Three other players, two from Pakistan and one player from India also made their debuts in the same match. Name them.

13. Karl Liebenberg, the third umpire of the first match of India's tour of South Africa Karl Liebenberg, at Durban signalled the little master run out. What was special about this desicion?

14. Tendulkar missed the first four ODIs of the 1998 Sahara Cup against Pakistan as he was representing India in another tournament. Name it.

15. Tendulkar has two five-wicket hauls in ODIs, both of which came at the same venue. Name the venue.

வெற்றி கீதம்

ஆ.காயத்ரி
மூன்றாம் ஆண்டு

சிறு மணல்துகளும்
நீரோடு சேர்ந்தால்....
மாளிகையாகலாம்...!!
சிறு சிக்கிமுக்கிக் கல்லும்..
காலம் வந்தால்..
கரும்பாறை ஆகலாம்...!!

சிறு படியும் சிகரம் தொட உதவலாம்...
சிறு துளையும் தென்றல் நுழையும்
சோலையாகலாம்...!!
சிறு விதையும் நாளை ஆளும்
ஆலமரமாகலாம்....!!

சிறு பசும்புல்லும் பிருந்தாவனம் ஆகலாம்....!!
சிறு ஓலையும் கடல் கடக்க உதவலாம்....!!

சின்னஞ்சிறு இரு துவாரங்கள் வழியே...
உன் உயிர் சுழல்வதை உணர்ந்து பார்....
சின்னஞ்சிறு இடைவெளியில் ஒரு
பனைமரம் வளர்வதைப் பார்.....!!

சின்னஞ்சிறு முயற்சிகளும் நாளை
வெற்றி மகுடத்தை முத்தமிட்டு
ஒட்டிக்கொள்ளும் முத்துக்கள் ஆகலாம்....!!

உன் செவிமடல்கள் ஏசுதல்களை கேட்கவேண்டா...
உன் அகத்தின் ஆசை ஓசைகளை கேட்கட்டும்...!!
வெற்றி இசையை இசைக்கட்டும்...
கைத்தட்டல்களின் மேளதாளங்களுடன்...
ஆச்சர்ய பெருமூச்சின்
நாதஸ்வர சத்தத்துடன்....!!

THE SECRET

-M.SUSHMETHAA, 3rd year IT-B

Have you ever wondered why only a handful of people make it to the pages of history? This is because they knew a secret and I am here to share it with you. Shakespeare, Newton, Beethoven, Edison and Einstein all knew it and now it is your turn. As you learn The Secret, you will come to know how you can have, be, or do anything you want. You will come to know who you really are and you will understand the true magnificence that awaits you in life.

The secret is the law of attraction! Everything that comes into your life, you are attracting into your life. It is attracted to you by virtue of the images you're holding in your mind. Simply put: "thoughts become things". When you keep thinking about a particular thing, you send out radiations of a certain frequency to the Universe. The Universe responds by sending the same frequency back to you. So if your thoughts are happy, you attract more happy things in your life and if your thoughts are depressed, you attract things that cause you to feel more depressed. Now you must be wondering that if this is true then how is it that bad things happen to us? This is primarily because all of us mainly concentrate on the things we don't want instead of the things we want. For example, consider that you are driving; if your thoughts are anxious like "An accident should not occur!" or "I should not be late", you are sending out waves that reflect your anxiety and hence, more often than not, those thoughts come true. The law of attraction doesn't compute "don't" or "not" or "no," or any other words of negation. The law of attraction is not biased to wants or don't wants. Whatever you think of, it gives you. So make sure you think of positive things from now on. In that way, you will attract more positive things.

How do you use the secret? There are three steps: Ask, Believe and Receive. First, you have to clearly think about what you want. Second, you believe that you have already received it. See the things that you want as already yours. Step three, and the final step in the process, is to receive. Begin to feel wonderful about it. Feel the way you will feel once it arrives. When you feel as though you have it now, you believe that you have received and hence you will receive.

The law began at the beginning of time. It has always been and will always be. The secret gives you anything and everything you want: happiness, health and wealth. We have the power within us and it is about time we realize this. We are the most powerful magnets in the Universe! We contain a magnetic power within us that is more powerful than anything in this world, and this unfathomable magnetic power is emitted through our thoughts. I truly believe that this law works and I hope that each and every one of you will achieve your dreams using this secret .

HUMOUR IN LIFE

-V.Sowmya, 3rd IT-B

A human body fact states that: "It takes 50 muscles to frown but only 13 to smile". Humour is the spice of life. It improves morale, decreases pain and improves communication. Humor is infectious. The sound of roaring laughter is highly contagious. A good laugh is the best way to bring your mind and body back into balance. Humor helps you keep a positive and optimistic outlook even in the face of difficult situations, disappointments and loss.
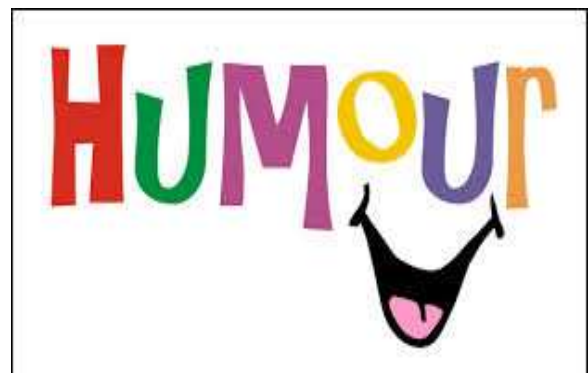
With humour, we can see a situation less emotionally and more realistically. When we add humour to our conversations, we become more confident, more interesting and more resourceful. We make fun to show that we all have self-doubts, we all make mistakes, and we all do much better when we help each other on the journey. Organizing fun activities throughout the year keeps us feeling positive and connected as a team.

The most important trait to develop humour is to take yourself less seriously. Many things in life are beyond our control—particularly the behavior of other people. While you might think taking the weight of the world on your shoulders is admirable, in the long run it is unrealistic, unproductive, unhealthy, and even egotistical. Starting the day with a smile and spreading it to others gives us a feeling of contention.

Connecting with peers is an essential human need. A sense of fitting in with a particular group is important for one to establish his or her personal identity. Sharing a similar sense of humor may assist with that connection. Humor and laughter provides a sense of understanding between friends. An individual with one or more close friends is more apt to express his or her emotions openly and, through humor, stress levels are reduced.

Life brings challenges that can either get the best of you or become playthings for your imagination. When you "become the problem" and take yourself too seriously, it can be hard to think outside the box and find new solutions. But when you play with the problem, you can often transform it into an opportunity for creative learning.

However, when someone is very upset, humour is best avoided and listening helpfully would be a better choice.

CONVERITA - REDEFINING REALITY

-Editorial Team, Identity

This year's edition of ConverITa kick started with the inagural ceremony held on the 30th of July. Mr.Kumaran Mani, CEO of TenthPlanet Technology graced the occasion with his presence. The event began with the traditional lighting of the Kuthuvilaku by the dignitaries included our HOD, Dr.Nagarajan which was then followed by a thought provoking speech by the chief guest. His speech was filled with wit and inspiration and was enjoyed by one and all.

He began with a simple question, asking the students to list the names of the sites they use regularly. Bang came the answers!- Facebook, Google, Twitter to name a few. He then threw a bouncer by asking if any of the above websites were developed by Indians. The answer was a resounding "No". He stressed on the fact that we Indians are immensely talented and this talent, if properly used, a lot more can be achieved. He highlighted the various factors that would attribute to development of our nation– namely agriculture, cultural values, youth power, innovation and technology, and how, putting all these elements together, can help us attain the dream every Indian yearns for—A Developed India! Followed by his motivational speech was the event description session by all the event heads. The stage was thus set! The countdown had begun. Ahead of it was a month of constant and sincere efforts wherein every single member of the department contributed in every possible way to making this event the success it was.

Finally the big day had arrived! – 4th September, 2013

Mr. Kiruba Shankar, CEO of Business Blogging was the chief quest for the much awaited day. He gave a picture of how important overall personality development is as opposed to just academic knowledge.

He gave an inspiring description of his success story. He stressed on developing soft skills and communication skills. He stirred the spirit within us. It was indeed an honour to have a man of his caliber amidst us.

MR. KIRUBA SHANKAR, THE CHIEF GUEST

Here is a brief glimpse about the events-

DANBO, THE OFFICIAL MASCOT OF CONVERITA 2K13

11 technical events were conducted each one of which received a huge response. While Code Fest tested the programming abilities of students, Math-Marathon unleashed the hidden Ramanujams within them. CryptWreck and Jumble Mumble tested their out-of-the box thinking capabilities. Paper Presentation provided them an excellent opportunity to develop their communication skills and share their technical knowledge. World Wide Wow brought out their creativity and Reverse Coding was for those who could crack any kind of code. Passionate gamers chose Gaming , QueryQuest was a treat for database managers and Pirates Of Algowar, for the Data Structures enthusiasts.

Google stole the show by sponsoring prizes for the event– Do The Doodle. The online photography contest was a roaring success. It was also the first time in the history of Converita that two workshops were held. One on the increasingly popular topic– Ethical hacking which was held on the 27th of August and the other on Responsive Web design which was held on the day of the event.

Overall we had a lot of positives to look back at. The power of teamwork, enthusiasm and dedication was showcased by the success of this event. This extravaganza would not have been possible without the continuous support of the Management, Dr. Shiv Nadar, Founder, SSN Group Of Institutions, Dr. S. Salivahanan, Principal, SSN Group Of Institutions, Dr. T. Nagarajan, Head Of The Department, Information Technology, faculty members(teaching and non teaching staff), event coordinators and all the students.

AFTER FREEDOM– IN SEARCH OF INDEPENDENCE

-Bharath.E.P. ,3rd year IT-A

Is anybody totally independent? No Obviously. All are interdependent. Any nation can be politically and economically independent to an extent. So are we.

Yes, we were under the tyranny of the British for the past 300 years before 1947 when we suddenly discovered a brand new weapon against them – Nonviolent noncooperation which was too much for them to handle. So they were forced to leave. Then when they left and we declared ourselves to be Sovereign, we were in a pathetic state – like a crawling child trying to stand up on its legs . From there during the past 66 years our developments are phenomenal. The Green, White and Blue revolutions promoted agriculture, made us self-sufficient and boosted up the exports of food products. And now, We are one of the fast growing economies, Agricultural and Industrial giant. We are second largest outsourcing nation.

These are the achievements every Indian should be proud of as all these milestones have been reached amidst mounting negativity which keeps on increasing exponentially in the society.

In Search of Independence

When I started writing the article I found it to be very negative but there are positives too certainly. I rather believe in looking closely at the negatives in order to eliminate them instead of ignoring them claiming to be positive. Staying positive doesn't mean we should turn our back to negatives but staying confident at the face of adversity.

Our Preamble says we are Soverign, Socialist, Democratic Republic. Are we experiencing this practically? Lets look at it with an open mind.

Are we Sovereign? Yes to an extent. But not fully. External pressures tend to affect our decisions. India's delayed vote against Srilanka in UN an year ago for the Tamil Genocide, stands as a living example.

Socialist – With the advent of Liberalization of the economy and privatization of the enterprises to handle the economic slowdown in 1991, we became partly socialistic. Democratic – We claim to be democratic but Corruption is deeply rooted in the democratic setup. Republic-This is the only term which has not been disturbed in past six decades probably this has occurred because the President is only the nominal head.

As the World economic Forum says, We are economically fast growing, but for a very long time. Though it will be unjust to compare India with any other nation, six decades is still a very long time. Why does this occur? Do we lack resources? Obviously not. We have 10 perennial rivers, Over 2 lakh Industries, huge mineral deposits, a population about 100cr in which above 60 percent are working force. But still the average per capita Income for a rural Indian stands about Rs.25 per day and an Urban Indian enjoys just 4 times of it. A tree cutter in a remote rural area, has to work all day without food and when he sells it, he receives an average of Rs.100 to feed his family. Obviously he can't be blamed for causing Child labour. Is he independent at least economically? The answer is negative for sure. His children don't afford even to be educated which allows poverty to complete its vicious circle.

Is the government just looking at it being deaf to their sufferings? No again. We have proposed numbers of schemes to alleviate poverty and to boost literacy and to eradicate unemployment .NGOs are actively involved for these causes. Development is indeed occurring at one side but in Arithmetic progression and the cause they are working for is becoming more and more intense geometrically. Why this is happening? Where do we lack behind?

But are the schemes proposed being implemented with the same intensity at grass root level? People tend to their personal gains. In world largest democracy, One has to bribe even to register his right of Adult franchise. Basic documents like driving license and ration cards are sold not issued. This may be offensive but it is the harsh reality in the present scenario. Judiciary has a very slow enforcement capabilities .When about 45 percent of people in this nation could not afford meal at least twice a day, our black money deposits in Swiss Banks is 20 lakh crore an estimate says.

Brain drain – this is a consequence of corruption. The World's service sector giants such as Google, IBM, Microsoft, many reputed research laboratories in US, and even NASA has a phenomenal percentage of Americans from India. Adding to this, we even follow one citizenship policy which boosts the above scenario. Siva Iyyadurai, Sunita Williams and Kalpana Chawla are living examples. A statistic report says, the number of research scholars leaving India is increasing 10% every year. So we are the largest exporter of skilled Human resource. Why does this occur? Many say we don't have the infrastructures supporting their research. But why is this happening why can't we develop our infrastructure? Again the answer is pointed out to be corruption. Funds are being allotted at the top but they don't reach the bottom for proper implementation.

Now it is advisable to take a look at our milestones mentioned above. We will really know how far we have reached amidst grave adversity.

What we can really do?

Great things can be done if we join our hands instead of working alone. Lack of awareness is present everywhere. Urban youth lack awareness about the importance of agriculture and our cultural heritage. Awareness should be given not only by the government and NGOs, we students can also take part in such activities. It is our duty to lighten the lives of people that is filled with darkness. Political revolution is a must to cause a major change. Most of us think politics is a dirty game, but our comfort is a result of politics. The food we eat, the water we drink, the house we live in and even the air we breathe are results of politics in one way or the other, either directly or indirectly. Student organizations can help the NGOs in enhancing the literacy rate in rural areas, making people aware about the energy conservation, advising them regarding personal and public hygiene, etc. One should remember, serving the nation is not a sacrifice, but a privilege. We are in a situation where the nation burns and we are having pizzas and burgers watching it burn and not even recognizing this. Before leaving this nation every Indian should realize that he is indebted to this land in a million ways and just leaving it for personal gains is something unethical.

Will you be among those who run to a comfortable environment at the face of an adversity or will you stand bravely in front of death and work towards changing it, like the freedom struggle when people stood bravely in front of the guns and mortar shells of the British. ?

THE CHOICE IS YOURS!!!

Please watch Shiv Kera's Freedom is not free which will ignite every Indian for sure. The link is here. http://www.youtube.com/watch?v=IEfwIIntfmI

THE DISASTER THAT HAD BEEN WAITING TO HAPPEN

Sushmethaa.M , 3rd year IT-B

In June 2013, a massive disaster struck Uttarkhand. India witnessed a series of floods and landslides that affected more than 70,000 pilgrims and residents. Heavy rains prevailed from 14 - 17 June resulting in the melting of the Chorabari Glacier at the height of 3800 metres, and eruption of the Mandakani River which led to heavy floods near Uttarkhand, Himachal Pradesh and Western Nepal. In the city of Dehra Dun, capital of Uttarakhand, this was the wettest June day for over five decades. The floods affected the Kedarnath Temple as well; the temple was flooded with water and this resulted in the death of several people. The damage was so severe that the government decided to temporarily shut the temple down for a year or two for restoration.

A very sad fact is that despite the warnings issued by the Indian Meteorological Department, the predictions regarding the heavy rains were not given wide publicity beforehand, causing thousands of people to be caught unaware, resulting in huge loss of life and property.

The rescue: Several thousands of soldiers were deployed for the rescue missions. Helicopters were used to rescue the people, but this proved to be a cumbersome task due to the rough terrain and heavy rainfall. By 21 June 2013, the Army had deployed 10,000 soldiers and 11 helicopters, the Navy had sent 45 naval divers, and the Air force had deployed 43 aircraft including 36 helicopters.

As of 16 July 2013, about 5,700 were presumed dead, around 450 houses destroyed and overall 4,200 villages were affected.

A disaster waiting to happen?

Environmentalists believe that human activities are the primary cause for this disaster: roads constructed in a haphazard manner, new resorts and hotels built on fragile river banks and more than 70 hydroelectric projects in the watersheds of the state led to this disaster. They believe that the tunnels built and blasted for the 70 hydroelectric projects, constricted the flow of the rivers and all the streamside development activities contributed to higher number of landslides and more flooding.

This is truly ironic since these projects, dams and roads actually aimed at human development but have led to massive loss of life and property.

Rehabilitation: India united to help rebuild our land of God at Uttharkhand. Several NGOs actively participated in order to help compensate the loss. Goonj, an NGO also collected funds and clothing for which our department staff and students came forward and generously contributed.

மழை

ம.கௌரி

மூன்றாம் ஆண்டு

வாடைக் காற்று கேலி செய்ததாம்,
வான நங்கை மனம் இழந்தாள்....
தங்க முகம் கருகிவிட்டாள்,அவள்...
காற்று களிப்பில் பலமானது.!

சோகம் தாங்காமல்,மேனி சிலிர்த்த
வண்ணம்,சடாரென்று
அழுதுவிட்டாள்... மழையாக...!
கோபத்தில் மின்னலை விட்டெறிந்தாள்,அவள்...!

அவள் கண்ணீரையும்
ரசித்து விளையாடினர்,
மானிட சிறுவர்கள்...!

வானதேவதையை ஆதரித்து,
கருப்பு குடை தூக்கினர்,
சில மானிடர்கள்...
அவள் மழைக்
கண்ணீரை தாங்காமல்....!

எனினும் குடைகளைப் பிடிக்க
இயலா வண்ணம் ,காற்று அவர்களை தடுத்தது..!
சிலர் போராட்டத்தை கைவிடுத்து,
சாலையோரச் சந்தைகளில்,
தஞ்சம் அடைந்தனர்..!

தன்னவளைத் தேற்றுவதற்கு
வந்தான் சூரியன்....
தலைவன் வருகையால்,அழுகையைத்
துறந்தாள் வானதேவதை...

சொல்லாமலே அவள் சோகத்தை
உணர்ந்தான் கதிரவன்..
அவள் மனதைப் புரிந்தவன் ஆயிற்றே..!

ஆதலால்,
அவள் களிப்புற,
வானவில்லைப் பிறையாய்,
அவள் குழலில் சூட்டினான் சூரியன்...!!!

துன்பத்தைத் துறந்து,
வெட்கத்தால் மறைந்து கொண்டாள் அவள்...!
வெற்றிக் களிப்பில்,
தன்னவளை அணைத்துக் கொண்டு,
மின்னி மகிழ்ந்தான்,சூரியன் ..!!!
(காற்றினை எச்சரித்தபடி..!)

நேரமும் ஓடியது....!!!!

எந்தச் சிங்காரக்
கடையில் தான்
இந்த அம்மனியார்
உதட்டுச்சாயம் வாங்குவாரோ??
–பூவைப் பார்த்த பூவையின் ஐமிச்சம்...!!

அம்மாவைச் சமாளித்து
வெளியே வந்த
பருவப்பெண்ணின் முகம்..!!
--மலரின் மந்திரப்புன்னகை..!!

மங்கை என்றால்
மலரைத் தந்து
காதல் சொல்லி இருப்பேன்...!!
உன்னிடம்..??!!
-- தென்றலின் கலக்கம்...!!

இரு மனம் இணையும் போதும்
உடல் உயிர் பிரிவின் போதும்
ஆதி முதல் அந்தம் வரை...!!
--திருமண மலர்களாய்
கல்லறைப் பூக்களாய்...!!

நயனங்கள் சந்திக்காமலே
ஒரு காதல் நாடகம்...!!
--பூவும் தென்றலும்..!!

சிகையும் இல்லாமலே
துளி வியர்வை வராமலே...
வாசம் தருபவள்
என் காதல் தாரகையே...!!
--வண்டின் பெருமிதம்...!!!

பூமிக்கடியில் பட்டாசு
வைத்த கள்ளன் யாரோ..??
--உதிர்ந்த பூக்களின் வேதனை...!!

ஆளுக்கொரு வண்ணமாய்
கொடி காட்டுகிறார்கள்..!!
--பூக்களுக்குள்ளும் அரசியலோ....??!!

நேற்று புத்தாடையுடன் மணவிழா..
இன்றோ தற்கொலை...!!
கணவனின் இரண்டகத்தால்..!!!
--வண்டினால் வாடிய பூ...!!

மண்ணின்
ஒரு நாள் மதலை...!!!
--பூ

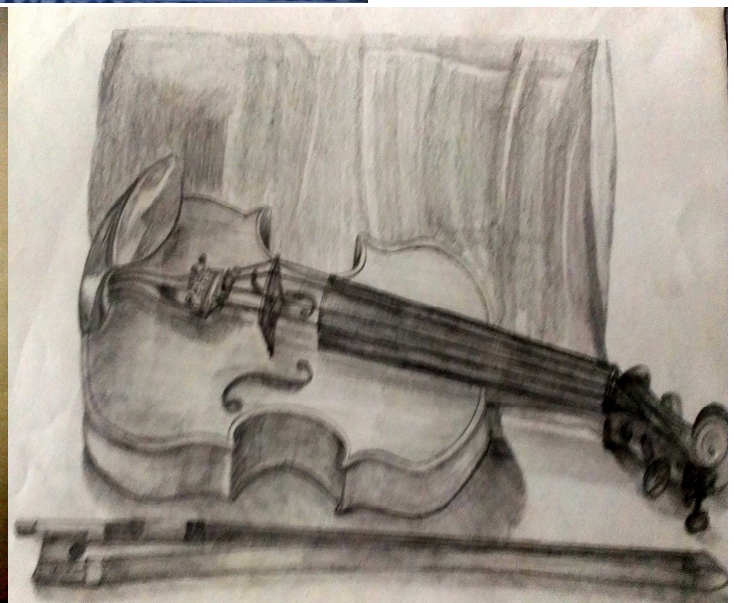**ஹைக்கூப் பூக்கள்**

-ஆ.காயத்ரி
மூன்றாம் ஆண்டு.

THE
DA VINCIS
OF
IT

Clockwise from left:

- Akshay Santha-nam, 3rd yr, IT-A
- Sanjana.P, 3rd yr, IT-A
- Chandini Suresh , 2nd yr, IT-A (Center)
- Akshay Santha-nam, 3rd yr, IT-A
- Gowri.M, 3rd yr, IT-A

← No Matter How Dark The Night,
Somehow the Sun Rises Once Again
And All The Shadows Are Chased Away
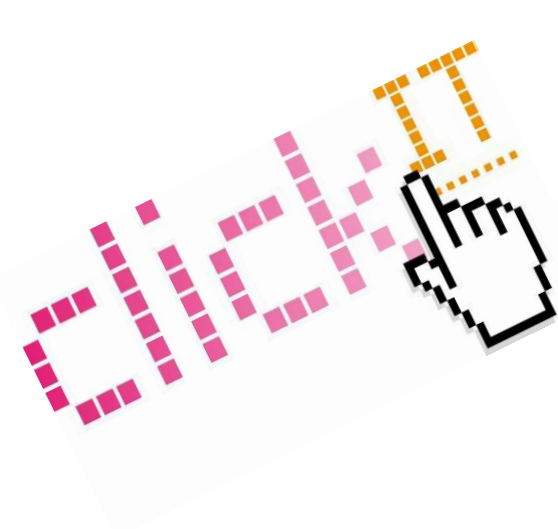   -David Matthew
Vigneshwar.P, 3rd yr IT-B

In Order To See Birds, It Is Necessary to
Become Part Of The Silence
                    -William Blake
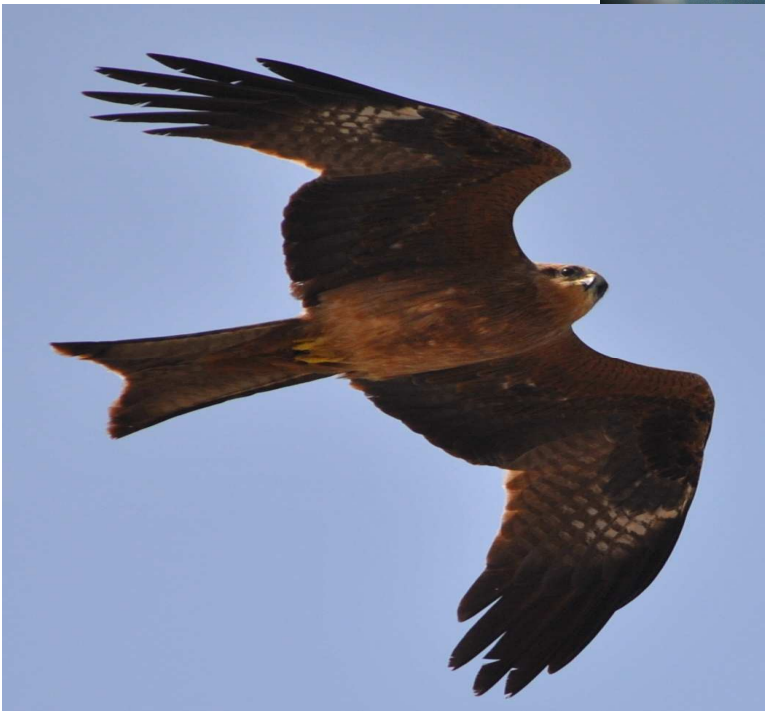Sushmethaa.M, 3rd yr IT-B

The Beauty Of SSN !
Vigneshwar.P, 3rd yr IT-B

Vanity, Perception, Reflection-

Sushmethaa.M, 3rd yr IT-B

Where Eagles Dare-
-Sushmethaa.M, 3rd yr IT-B

Leaning Holiness
-Sushmethaa.M, 3rd yr IT-B

IT ACHIEVERS

- Vivek Vardhan of IV year IT 'A' section is the winner in the State ranking tournament conducted in Hyderabad in July, 2013 and is currently ranked No.1 in State of Andhra Pradesh in the event Table Tennis.

- Sanjana Ekbote of IV year IT 'B' section became the "Google Student Ambassador" of SSN college and also attended the Google India Community Summit from August 1-4, 2013 in Goa.

- Monica Murali Prakash of IV year IT 'B' section attended the IIT Madras Summer Internship Programme 2013 (June-July) on Network Simulators 3 (NS3) under the guidance of Dr.Venkatesh Ramaiyan, in the department of Electrical Engineering, IIT Madras. She also routed the packets on to a different interface based on the number of packets in the device queue.

- Saranya.B.J of IV year IT 'B' section interned at GetInfoTech from July-August, 2013.

- Anand Kanagaraj of IV year IT 'A' section is selected for the 9th IEEE International Conference on Collaborative Computing: Networking, Applications and Worksharing in Austin, Texas, United States for the research work "Cheeka: A mobile application for personal safety" in September, 2013.

- Anand Kanagaraj of IV year IT 'A' section is selected for the 8th IEEE International Conference for Internet Technology and Secured Transactions, London, UK for the research work "Pseudo Eye: the next-generation shopping application using Augmented Reality" in October, 2013.

- Sowmya V, III year (IT B) interned at Social Beat Completion of internship in A/B testing and heatmaps from 14.07.2013 to 30.07.2013.

- Vijay P and Raghav S ,III year (IT B) interned at TAKE Solutions Global LLP, Chennai and specialized in Intrusion Detection and Prevention Systems from 12th June to 26th June, 2013.

- Shahin Taj E, III year (IT B) was a Greentech reporter intern at ayyati.com for a period of two months.

- Arjun.K and Aravind.V.Vaideesh of III yr , IT-A were a part of the SSN football team that won the 4th place in IIT Sports Meet held on 28,28,29 September 2013.

- Aarthi.S, Nikil Bharadwaj.K and Dwarakesh.T.P. of III yr , IT-A attended the Pan IIT Alumni Leadership conducted at VIT on 30th August 2013. Lakshman Diwaakar nd Manikandan.V attended a workshop on the same topic which was held at Rajalakshmi College Of Engineering on 7th September,2013.

- Manikandan.V of III yr , IT-A was a part of SSN's dance team, N2K that won the second place at Stanley Medical College on August 26, 2013.

- Manikandan.V of III yr , IT-A was adjudged the second runner up in the Chennai Times Fresh Face Contest held at SSNCE on August 7th, 2013.

- Manikandan.V and Lakshman Diwaakar of III yr , IT-A won the first place in the technical quiz held at RMK College Of Engineering on August 19th 2013.

- Mutharasi.A of III yr , IT-A won the second place in the paper presentation event held at Infant Jesus College Of Engineering by presenting the topic "5G Communications" on September 27th, 2013.

- Mahima.S, Madhumitha.B and Sanjana.P of III yr , IT-A were a part of the SSN music club team "Dhwani" that got selected for the finals of NIT Trichy's annual cultural fest "Festember" held on 28th September,2013.

I T DEPARTMENT QUARTERLYMAGAZINE

Team effort can move mountains

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