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Stutalk

Celebrating 68th

In collaboration with IEEE VBIT - SB

VOLUME 8 ISSUE 1

15th August, 2014.

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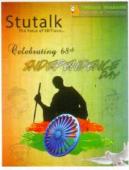
Celebrating
68th
Independence
day

Thousands laid down their lives so that our country breath this day....

Never Forget their Sacrifice

11

EDITORIAL BOARD



Independence day Special Issue

Stutalk team wishes all the Readers A Very Happy Independence Day.

We have made a sincere effort to make this special issue. We hope you appreciate our work

This issue has been made more interesting and informative with a lot of effort and dedication from the entire STUTALK team. We have very knowledgeable information for you like Important past movements for the Independence , Technical articles and much more.

If you also want to share your experiences and knowledge with Stutalk readers, please e-mail us with details at stutalk@vbithyd.ac.in

We hope you like this issue. Happy Independence day

Nikhilesh C S







Technical Coordinator



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Mr. Praveen Kumar Assistant Professor Dept. of CSE

Volume 8 Issue 1

Our Sincere thanks to Mr. D. K. M. Sharma Associate Prof. of English H&S Dept.

Post your Feedback to vbit.stutalk@gmail.com



HAPPY

INDEPENDENCE

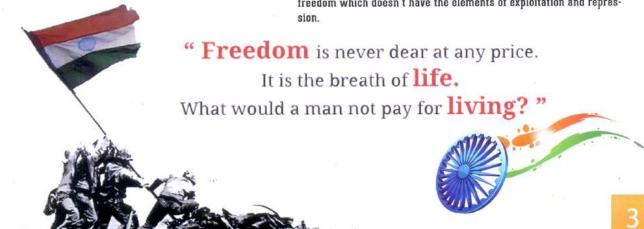
This day 15th August of every year is a golden engraved in the history of the world. Independence Day is the annual celebration commemorating the anniversary of a nation's assumption of independent statehood. 15th August 1947 symbolizes the victory of Indian patriotism which the nation got after uncertain yet brutal struggle repression of the British Colonialism. It marks India the end of an old era, the beginning of a new age. It is a new age opening for the Indians across the whole world, for the political, social, cultural and spiritual future of humanity.

Irrespective of our culture, civilization, caste, creed and religion, the most important binding factor is our National Flag. While we look behind all the way through the fruitful years of attaining independence, it's very significant to know the roots of our achievements in different fields. Our country had made remarkable progress during the last 6 decades in almost all fields which makes us hold our head high. The esteem effort by millions of Indians during these years makes our country, one of the top developing countries in the world. Even though at present we are not to be called as a developed country, I am sure this credit is not too far for us to attain.

DAY

Even in the midst of celebrating our Independence Day with pride and honor, many things haunt us. Even to be proud of this vast culture and diversity, sometimes these diversities may be the cause of the imbalance of proper functioning of the country. Unhealthy disputes between states, regional imbalance, and political instability are few internal challenges which have to be tackled on time. The financial and security of the nation which include terrorism and economic crisis makes us think to plan and reinforce monitoring mechanisms to face these challenges.

Long years ago, we made the tryst with destiny, and now the time comes when we shall redeem our pledge, not wholly or in full measure, but very substantially. At the stroke of the midnight hour, when the world sleeps, India will awake to life and freedom. A moment comes, which comes rarely in history, when we step out from the old to the new, when an age ends, and when the soul of a nation, long suppressed, finds utterance. It is fitting that at this solemn moment we take the pledge of dedication to the service of India and her people and to the still larger cause of humanity. The significance of Indian Independence Day in the existence of a nation is of greater value. It's a day to pay a mark of respect to our saviors because of whom we are breathing an air of freedom which doesn't have the elements of exploitation and repression.



Torch Bearers

Indian Independence Movement (1857-1947)

He was the first leader of Indian Independence movement. Tilak started "Swadeshi" movement in early 20th century later it became the part of Indian independence movement. Bal gangadhar tilak died on August 1st. He was imprisonned by Tbritishers. The british people were annoyed by his speech on "Passive resistance and Boycotting Subhas Chandra Bose was an prison for 6 years and then died.

Bal Gangadhar Tilak

She fought for the cause of women. The British had banned her entry in India being afraid of her revolutionary past and confirmed nationalistic outlook. But the lioness was getting old and 35 years fighting on foreign land and taken its toll. She decided to return to motherland but was very ill. After Bombay, she hospitalized and died on the 13th of August 1936.

Bhikaji Cama

He was an Indian educationist and politician notable for his role in the Indian independence movement. Carrying on with ill-health for the last few years of his life, Madan Mohan Malaviya passed away on 12th November 1946.

Madan Mohan Malaviya

Bhagat Singh was known for his hostility towards the british and his outright rejection of their authority. He bombed the british assembly session in retaliation to the Jallainwala Bagh massacre.

Bhagat Singh

of goods" that they deported him to Indian nationalist whose defiant Burma. Where he spent life in patriotism made him a hero in India, but whose attempt during World War II to rid India of British rule with the help of Nazi Germany and Japan left a troubled legacy. The honorific Netaji first applied to Bose in Germany, by the Indian soldiers of the Indische Legion and by the German and Indian officials in the Special Bureau for India in Berlin, in early 1922, is now used widely throughout India. With Japanese support. Bose revamped the Indian National Army (INA), then composed of Indian soldiers of the give the INA armies to motivate Salem'. them.

After being named guilty in the Kakori Conspiracy, the British government ruled that Ram Prasad Bismil will be hanged until death. He was kept behind bars at Gorakhpur and then hanged to death on December 19, 1927 at a very young age of 30. His death robbed the country of one of the chief revolutionaries of the Indian freedom struggle.

Shastri as Prime Minister continued Nehru's policies of non-alignment and socialism. He became a national hero following the victory in the Indo-Pakistan War of 1965 His slogan of "Jai Jawan Jai Kisan" ("Hail the soldier, Hail the farmer" became very popular during the war and is remembered even today. The war was formally ended in the Tashkent Agreement of 10 January 1966; he died the following day, still in Tashkent. The cause of death has been a mystery since.

Lal Bahadur Shastry

British Indian army. He stood for He was informally called Rajaji or unqualified Swaraj (self-gover- C.R., was an Indian lawyer, indepennance), including the use of force dence activist, politician, writer and against the British. His most statesman. He vehemently opposed famous quote/slogan was 'Give me the use of nuclear weapons and was a blood and I will give you freedom', proponent of world peace and disar-Another famous quote was Dilli mament. During his lifetime, he also Chalo .This was the call he used to acquired the nickname 'Mango of

Subhas Chandra Bose:

ajagopala Chari

Indian National Congress (1885-1947)

The Salt March, also mainly known as the Salt Satyagraha, began with the Dandi March on 12 March 1930and ended in 1931. It was an important part of the Indian independence movement. The Indian National Congress was the largest and most prominent Indian public organization, and central and defining influence of the Indian Independence Movement. Mahatma Gandhi, was assassinated on 30 January 1948, shot at close range by Nathuram Godse. Gandhi was outside on the steps of a building where a prayer meeting was going to take place. He was surrounded by a part of his family and some followers when three gunshots killed him.

The sepoy mutiny is also called revolution 1857. It is the India's first war of independence. This rebellion started in 10th may 1857 and lasts till 20th june 1858. He was an Indian pro-independence activist. On 1 February 1966 Savarkar renounced medigines, food and water which he termed as atmaarpan(fast until death). Before his death he had written an article titled atmahatya nahi atmaarpan" in which he argued that when one's life mission is over and ability to serve the society is left no more, it is better to end the life at will rather than waiting for death. He died on 26 February 1966 at the age of 83.

Vinayak Damodar Sarvakar

Research & Development Center —

The Research & Development center of VBIT has successfully completed two research projects funded by Indian Space Research Organization (ISRO) under its Climate and Weather of Sun-Earth System (CAWSES).

They are:

"A Campaign to investigate middle atmosphere structure;" and dynamics including exchange processes over Indian tropical region (8.5°N, 8.7°N, 13.5°N, 17.2°N), using high altitude balloon data, radar and lidar observation [B.19016/2/2011-II]".

"Long term trends in Atmospheric oscillations and their relationship with Solar Variabilities [E.33015/1/2011-V]".





Major Placements 2013-14

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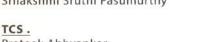
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1 SAI LAKSHMI NELLUVOYI S





2 SANYUKTA SUSARLA

Congratulations to all the students who got placed in different companies

Congratulations to John Benedict B of 4th ECE A for being selected into IEEE India SAC Newsletter Team

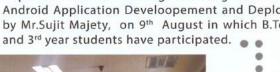
Congratulations to Vamsi Krishna J of 4th ECE B for being selected into IEEE India SAC Webinar team

CMC Limited

A TATA Enterprise

OLLEGE BU

Department of CSE has organized a guest lecture on Android Application Developpement and Deployment by Mr.Sujit Majety, on 9th August in which B.Tech 2nd







IT Department

Department of IT in collaboration with III Kharagpur has initiated a program titled 'IN DIA's BEST BRAIN CHALLENGE' in which 50 B.Tech students have participated.



Department of MBA has organized a que lecture on "Micro Finance-Indian and Glok Perspective" by Ms.Indira Mallela, Seni Manager, Basics Limited, Hyderabad



Civil

Prerana

As a part of PRERANA series(Personality Development classes for II B.Tech students), a lecture on HEALTH AND WELL-NESS was delivered by Dr.Latha Sashi, Consultant Nutritionist, Fernandez Hospital, Hyderabad.



Department of Civil Engineering has organized a Guest lecture on "Environmental Impact Assessment" by Mr. Shaik Pentu Saheb, Chief Scientist & Head at CSIR-NEERI Zonal Laboratories, IICT campus, Hyderabad





Nasa Space Apps Challenge

VBIT hosted and sponsored NASA International space apps challenge 2014 in Hyderabad region on 12th & 13th April 2014. John Benedict and Nagarjuna Atluri of VBIT won the first prize for the space apps challenge

College

Buzz

CRT Training

Campus Recruitment Training (CRT) sessions for IV B.Tech students for all branches of Engineering was conducted from 22nd July to 30th July 2014.

Maa Music

MAA MUSIC Television Channel has conducted 'ONE DAY VJ Program' at the college campus. 25 B-tech students were a part of that program.



New Student Branch

IEEE-VBIT SB announced the new Executive Committee for the academic year 2014-15

Viranchi

Virinchi-Cultural club of VBIT in association with 'Sri Mayukha Events', Hyderabad conducted singing competition in the campus in which 50 B.Tech students have participated.

Department of H&S

Department of H&S is organizing a series of lectures on various Technical and Non-Technical topics by faculty members from 06-08-2014 to 01-09-2014.

IEEE - VBIT SB, for the third consecutive year celebrated John Bardeen's Birth Anniversary paying rich tributes to the true genius, for his untiring efforts and undeviating passion in the field of his chosen interest, the perseverance and productive approach shown by this great role model to one and all.



WIE Affinity Group of IEEE-VBIT SB has conducted 'Student -Teacher and Research Engineer' (STAR) program in the campus in which government High school students of Jameelapet village have participated. Project models on Physics & Chemistry subjects prepared by B.Tech students were explained to the students.

All the H&S faculty members have attended a highly inspiring "One Day Faculty Development Program" at Ramakrishna Math. Significant topics like 'Stress Management', 'Teaching-Learning Process' and 'Self Mastery' were delivered by eminent speakers Mr. Adi Raju, Dr. Vivek Modi and Mr. BSN Murthy respectively. The concluding session was dealt by Swami Bodhamayand ji by administering a brief ession of meditation and providing invaluable tips on relaxation and meditation.



Dyuthi

DYUTHI-NSS Unit of VBIT has distributed books and required stationery to Govt. school students of Nemaragomula Village.

TECHNICAL

ARTICLES

Stop Multitasking, Start Monotasking

We need to stop overloading our systems with simultaneous inputs (fortunately, music doesn't count) and revert to focusing on one thing at a time Give your brain some down time. You will be more productive if, several times a day, you step away from mentally challenging tasks for three to five minutes. Get some fresh air, for example, just look out of the window for a while. Taking a break will make room for your next inspired idea because a halt in constant thinking slows the mind's rhythms to allow more innovative "aha" moments.

Multitasking causes a greater decrease in IQ than smoking pot or losing a night's full sleep

Shhh! The Bag of Chips Might Be Listening

Be careful, the plants have ears. Or, more accurately, they are ears. In a boon to eavesdroppers, researchers at Massachusetts Institute of Technology have figured out a way to reproduce speech by analyzing the surface vibrations of everyday objects. In one experiment, for example, the researchers shot high-speed video through soundproof glass of a potato chip bag sitting on the floor while a person spoke. While to the naked eye the bag was just a piece of litter, it was actually working like a microphone, infinitesimally vibrating in rhythm with the sound waves hitting it. Using their algorithm, the researchers were then able to reproduce the speech.



They got similar results by examining the vibrations in a glass of water, the leaves of potted plants and a box of tissues. The science is pretty straightforward: Speaking is a matter of making our vocal cords vibrate, which makes the air vibrate in turn. Those vibrations are translated to nearby objects, some of which, if we're in a conversation, are the eardrums of our interlocutors. The MIT team isn't the first to think of reproducing sound from surface vibrations — others have designed "laser microphones" that can pick up sounds from the reflection patterns of focused light beams trained on distant objects. What's new about the MIT team's approach is that it's passive. It doesn't require a laser, or even special lighting. In the potato chip study, the only lighting came, is through a window. The audio signal they were able to create wasn't high-fidelity, but it was easily good enough to understand what the person in the sound-proof room was saying: Mary Had a Little Lamb, a nod to Thomas Edison, who recited the poem into his new invention, the phonograph, in 1877.

Has Technology Encroached our lives?

If you scrolled through your Instagram pics right now, would it be a fairly accurate description of your life? If you looked at your Facebook status messages for the past month or so, would it be an accurate reflection of your moods and perspectives on life and issues? Are your tweets just a running list of reality show observations or do you reveal some of your personality outside of armchair pop culture criticism?Let's look at some impacts social media and its various offshoots cause in our lives. Firsts up, Isolation, Social isolation is characterized by lack of contact with other people in normal daily living, such as, the workplace, with friends and in social activities. We isolate ourselves by walking around in our own little world, listening to our iPods or staring at the screen of the latest mobile device even when we are around other people.



Secondly, lack of social skills, the use of online social media outlets causes us to meet face-to-face with much less frequency resulting in a lack of much needed social skills. We lose the ability to read body language and social cues in other people. People are spending more time engrossing themselves in video games, talking to friends online and watching funny cat videos on YouTube, they are spending less time being active or exercising which is leading to obesity and various heart diseases. Technology creates the perfect recipe for depression with the lack of human contact, overeating and lack of exercise leading to depression. Poor sleeping habits are the latest symptoms of an internet addict. Pollution due to high electronics manufacture, Lack of privacy, cyber bullying, Deceitfulness, stress, constant distraction, neck and head pain are all direct effects of technology on an average human life.

Social Media Vs. Social Life

TECHNICAL ARTICLES

Did you wonder what is G, E, 3G, H, H+, 4G in Mobile Network Configuration?

- \bigcirc G stands for GPRS and is the slowest standard, used is the GSM network (2G).
- E is an extension of GPRS, it is called EDGE nad it is correspondingly a little faster, but still uses the old GSM network (2G).
- 3G stands for UMTS and is the successor to the GSM network and faster.
- H and H+ stands for HSPA and HSPA+. Both use the UMTS network, where H is faster than 3G and H+ is faster than H.
- 4G stands for LTE and is the fastest.

- Mr. Srikanth reddy Vuppala, Dept. of IT

Tech News

- Google and five other large companies team up to build a cable under the Pacific Ocean that will deliver incredibly fast internet speeds.
- Harvard and MIT engineers develop self-folding robots, Mankind's first ever real transformers
- Yahoo to Enable Email Encryption for All Users by 2015
- Researchers have developed a machine which can predict heart attacks roughly 4 hours before
 the doctors can
- Android One, The smart phone priced below 100\$ will be available in India from Oct 1st. This flagship project of Google intends to provide all the latest android version with the latest hardware at a price range of <100\$</p>
 Tech Facts
- Facebook has 500 million registered users... and still about 100 million less than QQ a Chinese social media portal.
- Bill Gates house was designed using a Macintosh Computer.
- 60 billion emails are sent daily, 97% of which are spam.
- 9 out of every 1,000 computers are infected with viruses.
- Amazon now sells more e-books than printed books.
- Google uses an estimated 15 billion kWh of electricity per year, more than most countries. However, google generates a lot of their own power with their solar panels.
- Microsoft total revenue in its 1st year: \$16,000
- About 20% of the videos on YouTube are music related.
- A "twillionaire" is a twitterer with a million or more followers.
- There are some 1 billion computers in use world wide.
- In 1998, 90% of pagers were disabled because of the Solar Flare.

Students

Opinions

Opinion on new central govt:

There has been a sense of urgency in terms of replacing the existing central power with a new one because of the increasing number of the scams and eating away of public funds and fortunately, the newly formed central govt is found to be the one which concentrates on the Traditions and Happiness of middle class families which form major type of population in India. I feel, public have taken a right choice which would benefit them, their generations and more importantly would preserve the Importance & Power of India globally.

- Firstly, the ineffective War & Defence equipment which the soldiers are possessing currently in every public, community, state & country serving departments respectively should be replaced with the new ones and safety should be ensured to their lives.
- Secondly, services of many current News-channels should be stopped as they are owned by ruling parties, focusing more on getting the pride of their owners high and also by getting down the fame of the opposition party by providing baseless proofs and insane incidents. News should be untouched and delivered to the public as it is.

• A website and special phone service should be arranged for every district in each state so that the common people can get their problems to the notice of their higher authority and by this way, the development and the mode of interaction would occupy straight line and every citizen can give their ideas to their regional heads for any of the long-lasting problems. The society and ruling body can go hand-in-hand this way.

- CC-cameras should be installed in every nuke and corner of the city to ensure safety to our women and also, strict rules and regulations are to be enforced on the pub-owners, bars regarding their limits.
- Govt should grant special funds to the women of villages to encourage them for working in the agriculture fields, making their own innovative products which would hike their family income and ultimately making their children literates.

These are few, if implemented would bring a change in the middle class people of country leading to the development of other sectors.

Industrial Tour

-A Myth

-Dr. Jayant Kulkarni

The tragic end of the Industrial tour of engineering students in Hyderabad is indeed an eye opener for all the sensible stake-holders. The incident which took place in the riverbed of Beas on Mandi-Manali highway in Himachal Pradesh is of the kind of rarest of rare but certainly not an isolated one. Multiple issues are involved in it. After absorbing this terrible shock, the discussion should not end up abruptly by labelling the incident as merely an accident or just by blaming the irresponsible act of authorities of the state Government. The discussion also should not be limited to cursing the management for exhibiting utter negligence on their part and organizing this tour without adequate precautions. Our discussions must delve deeper in order to at least avoid such an irreversible loss in future.

The roads in Himachal Pradesh are narrow. Compared to the highways in plains, the inner roads are full of twist and turns. Land sliding in rainy season brings the traffic to a halt for several hours. Unexpected rains, melting ice, frequent openings of the gates of upstream dams, huge boulders and sharpened rock bed makes the Himalayan Rivers most dangerous for tourists and strangers. The eye catching beauty of this Indian heaven comes with some risks and precautions are necessary to avoid turning a pleasure trip into a tragedy. Cloud blast in Uttarakhand took several lives on the bank of Alakananda. Local people or seasoned tourists are familiar with these risks. We cannot blame the nature for these incidents. The cause of human loss in such events is sheer human error, strictly punishable, at various levels. But let me take this discussion to a little wider pitch to underline the various causes that contributed, may be partly but certainly, to this tragedy.

From the interviews of the students and teachers who have returned safely but still are in tremendous shock, it is becoming clear that most of the students washed away in sudden surge of water while saving the lives of each other. Even the lucky survivors are narrating how they were pushed by someone, certainly from the drowning group of their friends. As per the report, had each one of them dashed towards the bank of the river when they sensed the gushing flow at first sight it would have reduced the casualty. Most of them got washed away while offering a helping hand to others even at the most crucial, cruel and near to death moment of their life. This is but natural for the age group they are in. The bond of commitment and friendship must have acted spontaneously .It is certainly exemplary. But the cost they paid is very high. Now a series of questions arises. Each question is linked to another one. We should be bold to answer them because it will pave the way for laying down strict guidelines for a large number of industrial tours being conducted across the country. First of all, was it safe and advisable to land in a huge group in the riverbed which connects the two reservoirs? How the tour operator allowed this? Reports suggest that releasing of water from upstream Larji dam in to the river Beas during evening hours is a regular phenomenon. The tour operator should have been aware of that. Second, was it safe to plan the tour in the vicinity of Himalayan ranges when the knowledge of does and don'ts is lacking? Was it not management's responsibility to ensure that the tour operator was well informed about the risk factors? Was it really an industrial tour or just an excursion? What was the extent of the involvement of the college management? Was it complete involvement, partial involvement or just a green signal with absolutely no involvement? It may not be applicable to this case but in general, students themselves take the lead, go around in hunt of operators, collect the money and then request the college to allow them to proceed. Allotting the faculty members to accompany the students makes the tour official .It requires responsibility and accountability. Parents rely on the college, withdraw their resistance and end up handing over hefty sum to their kids. When mishap occurs, then it is but natural that the role of the college is scrutinized. This is the very reason why the Universities, Colleges and managements have to redefine the need and nature of Industrial tours based on which they can decide their roles too.

Organising long excursion tours requires certain kind of expertise. It needs a vast pool of resources. It needs meticulous planning, up to date information and skills of crisis management. Are our Engineering colleges or the local, amateur operators through which they are organising the tours well equipped on these parameters? And if not, why should the college become a part of it?

Being an academician and closely associated with students' activities since two decades, I know the myth of 'Industrial tour'! University mentions this concept in its guide lines with a particular spirit but very rarely it is practised by students or Institutions. Instead of visiting the best industries available in nearby areas, remote hill stations are chosen. Because of academic pressure and shrinking semesters, no college has time to get involved thoroughly in planning of the tour. Credibility of the operators is often doubtful. Role of the college is often limited to certain activities like preparing a list of the participants, getting an undertaking from the parents and allotment of faculty members. Every year, I see the same sequence of events. A small but dominating group, mostly of third or final year students, initiates the idea of a tour, obtains consent of a few faculty members and Head of the Department. In a hurry, final shape is given to the entire plan and finally ball is thrown in the court of the college authorities. If the management or the Principal takes a firm stand and deny permission, the tour collapses. If they allow, the tour takes shape in its own way. Most of the times, students are able to take care of themselves and make the tour really a memorable one. But some time, lack of experience and over enthusiasm invites the trouble. Ideas of life and fun, influence of gadgets and movies and lack of proper information are some of the elements which often make these tours tragedy prone.

Time has come to redefine the role of these tours in the curriculum. Should it be knowledge oriented or fun oriented? Why should colleges organise excursion in the name of Industrial tour when they are not in position to plan it properly? It is very true that such experiences of travelling together make the minds more energetic. But if a college has to get involved, then certain guidelines should not be overlooked and the role of the college itself should not be underestimated. After all, it is a question of safety of young lives .It should be addressed sincerely and seriously. The tragic end of 24 budding Engineers is not only the loss of the bereaved families but also a terrible loss of society and the Nation. Stringent action against the guilty authorities who have opened the gates without warning must be taken but we must not forget that it is not a permanent remedy.

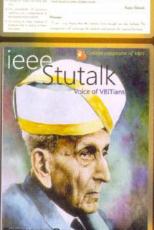


We are '8'



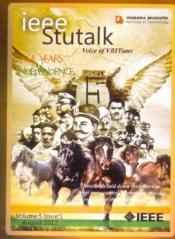
Stutalk team thanks each and everyone for their support.

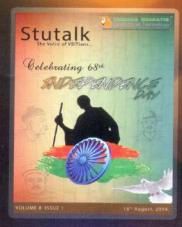


















Here's Some Good News.....

Students who are interested in working for "STUTALK", The College Magazine, send in their details to "stutalk@vbithyd.ac.in" or contact any of our coordinators.