Stutalk

Voice of vbitians...

Republic day Special

VIGNANA BHARATHI
Institute of Technology

IEEE

A NEW START WITH A NEW YEAR

Hello to the pupils at VBIT,

A merry and prosperous new year to all from your stutalk team!

Here comes another year filled with fragrance of the blossoming days that it holds within. But, it also brings the old memories of the past alive, which we relive through our journey each year.

As the saying goes, "We all have our time machines. Some take us back, they're called memories. Some take us forward, they're called dreams."So my dear readers let us go both backwards and forwards, let us take a backward step to leap into the memories of the past and move forward to fulfill the dreams of the future.

As we pass by the month of January every year, we are reminded of those great leaders who in the past have struggled to give us a chance to say that we exist in an independent nation. As we all know, "Freedom is not free. Someone has to pay the price." They paid the price for us. Each day tells its own story at the end. Some bring pride to our hearts; some others bring tears to our eyes. None of us like to be ruled over so we must be gracious and thankful to those who gave us this nation which we call REPUBLIC: "the freedom to choose the representatives of our nation."

"The buck stops here!" Let us stop complaining and start realizing our responsibilities. It is not just confined to this month or a single day, it is a daily process. Days like these keep coming every year to remind us of our forgotten responsibilities. It is up to each one of us whether or not to realize it.

Finally, I want to wish you all a very happy republic day!

Congratulations for those students who have been selected for HCLtech.
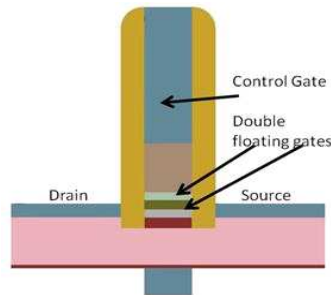
On 6th January,2011

New Device May Revolutionize Computer Memory

Traditionally, there are two types of computer memory devices. Slow memory devices are used in persistent data storage technologies such as flash drives. They allow us to save information for extended periods of time, and are therefore called nonvolatile devices. Fast memory devices allow our computers to operate quickly, but aren't able to save data when the computers are turned off. The necessity for a constant source of power makes them volatile devices.

But now a research team from NC State has developed a single "unified" device that can perform both volatile and nonvolatile memory operation and may be used in the main memory

Our device is called a double float-

ing-gate field effect transistor (FET). Existing nonvolatile memory used in data storage devices utilizes a single floating gate, which stores charge in

the floating gate to signify a 1 or 0 in the device -- or one 'bit' of information. By using two floating gates, the device can store a bit in a nonvolatile mode, and/or it can store a bit in a fast, volatile mode -- like the normal main memory on your computer."

The double floating-gate FET could have a significant impact on a number of computer problems. For example, it would allow computers to start immediately, because the computer wouldn't have to retrieve start-up data from its hard drive -- the data could be stored in its main memory.

The new device would also allow "power proportional computing." For example, Web server farms, such as those used by Google, consume an enormous amount of power -- even when there are low levels of user activity -- in part because the server farms can't turn off the power without affecting their main memory.

"The double floating-gate FET would help solve this problem."

Keeping Your Digital Secrets Safe ???

Researchers Develop Security Application to Keep Private Data Private

The research began at Carnegie Mellon University in the U.S. and continues in Tel Aviv. Dr. Toch created Locacino, a location-sharing application that can capture end-user security and privacy preferences in mobile computing.

It is based on better security design, and provides users with a higher degree of control over their privacy settings. It also provides a glimpse into how people really share information between friends over the Internet. Facebook's privacy settings -- or the lack thereof -- can cost us relationships or a future job. But knowing how to fine-tune our settings can save a lot of

future heartache

In most social applications, it's not easy to fine-tune privacy settings. Like Foursquare and Face book "Places," Locacino allows its users to track their friends' physical location, but in Locacino, users can also see who is viewing their profiles and location updates, which may lead users to rethink and modify their privacy settings.

The unique mobile social network allows people to fine-tune the way they want their information about them to be presented online.

Dr. Toch examined what kinds of location updates users are more

likely to share, then determined the users' "centers of privacy." It turned out that young people guard locations that might reveal information about their social life more than anything else, even the location of their homes.

Locacino's flexibility allows users to let their work colleagues know their physical location on weekdays, but not on weekends. If a friend tags you on an iPhone when you're out instead of at work, you have no control over work colleagues seeing that on Facebook. If we give users more flexible privacy settings, they're actually willing to share even more information online..

ATMOSPHERIC RESEARCH AT VBIT

The earth is surrounded by a life-giving gaseous envelope called the atmosphere. When we speak the "earth's atmosphere", we mean the combination of gases and particles that surround the globe. Compared to the size of the earth it is merely a thin skin. But in reality it has a nominal thickness of ~500km. It not only provides the air that we breathe but also protect us from the sun's intense heat and dangerous radiation. It is our immediate environment. We cannot ignore it. We have to understand it and we have to protect it. So atmospheric research should be an integral part of our activity for our own survival.

There are different techniques to probe the atmosphere e.g. by remote sensing (radar, satellite)and by in-situ measurements(balloons, aircraft). VBIT has got projects sanctioned by Indian Space Research Organization (ISRO) to carry out experiments by sending balloons with equipment which can measure wind velocity, temperature, humidity of the atmosphere up to ~35km with a very high (altitude) resolution. Experiments will also be conducted using Mesosphere-Stratosphere-Troposphere (MST) radar situated at Gandanki near Tirupati. These real data will be analyzed to study the dynamics of this very dynamic and challenging atmosphere.

ISRO's tremendous success in space programs has made India secure a proud position among the global leaders. Satellite based communication, agricultural and ocean data, disaster management, tele-medicine, tele-education are a few examples. All these have been achieved by dedicated work of several engineers and scientists. This cutting edge technology needs the involvement of talented technocrats. Recently some engineering college students have been trained by ISRO to develop rocket which has been launched into space. They are also helping the students to develop small satellite. There are lots of opportunities for engineering graduates with research aptitude to create waves in places like ISRO, National Aeronautics and Space Administration (NASA). Young talents with innovative ideas are highly appreciated.

-Dr. Gopa Dutta

Director, R &D cell.

Killer Paper for Next-Generation Food Packaging

Recently, scientists have been exploring the use of silver nanoparticles -- each 1/50,000 the width of a human hair -- as germ-fighting coatings for plastics, fabrics, and metals. Nanoparticles, which have a longer-lasting effect than larger silver particles, could help overcome the growing problem of antibiotic resistance, in which bacteria develop the ability to shrug-off existing antibiotics. Paper coated with silver nanoparticles could provide an alternative to common food preservation methods such as radiation, heat treatment, and low temperature storage, they note. However, producing "killer paper" suitable for commercial use has proven difficult.

The scientists describe development of an effective, long-lasting method for depositing silver nanoparticles on the surface of paper that involves ultrasound, or the use of high frequency sound waves. The coated paper showed potent antibacterial activity against *E. coli* and *S. aureus*, two causes of bacterial food poisoning, killing all of the bacteria in just three hours. This suggests its potential application as a food packaging material for promoting longer shelf life, they note.

WIE Initiation Programme

An initiation programme was conducted at Princeton College of engineering and SPR College of engineering on 5th January 2011 by the IEEE – VBIT SB to create awareness about IEEE and the role of women in the field of engineering and its prospects. The activity involves the IEEE student members of our college visiting other engineering institutions and thereby planting the seeds of the benefits by becoming a part of IEEE, wherein over 70 students have participated in the event.

The student members exhibited presentations and lectures by experienced volunteers who have been working towards the general upliftment of the standards of women in the present generation. The IEEE members who presented the program were Bharath Silagani, Kashyap M.N.V.L, V.Gnanendra, S.Bhaskar Avinash M.Sindhoora, Sravanthi T.L.N.S, Devi Priyanka.S and Pallavi.D.

Karthik Siddavaram of IVth B.Tech, has been elected as the new Section Student Representative for IEEE Hyderabad Section.

VBIT'S

Outstanding Student Branch

VBIT has provd its caliber as an "Outstanding Student Branch" amongst numerous colleges in the IEEE Hyderabad section.

With about 75 Student branches in the IEEE HYD section, amongst whom the competition was held, to select the best student branch which has constantly maintained its position by continuous perseverance that could be worthy of the title of "Outstanding Student Branch" was quite a difficult job. For this, IEEE has called out for nominations for the outstanding student branch award. Out of all the nominations received, IEEE considered 6 worthy colleges for

the nominations of this award. VBIT once again proved its mettle here by achieving this title as the OUSTANDING STUDENT BRANCH for the year 2010. Earlier, in the same year 2010, VBIT has also won the "Most Vibrant Student Branch" Award.

One might wonder what the key factors of successive victories of VBIT could be. The remarkable number of technical activities that are being conducted by the student branch is one of the key reasons of the achievements.

Furthermore, the alumni and past chair of Vignana Bharathi Institite of Technology " Mr.Chaitanya

Kumar Setti" ,who was the Section Student Representative of the Hyderabad section and also the GINI Coordinator for the year 2010 ,has won the "Richard E Merwin" scholarship from IEEE computer Society Headquarters, U.S.A which consists of $ 2000 USD and a certificate for his "Outstanding involvement in IEEE Computer Society, excellence in academic achievement"

What else could be said, when we all know that perseverance is the only thing that pays off in any place. Needless to say, VBIT has proved it right.

"Truth, self control, asceticism, generosity, non-injury, constancy in virtue, these are the means of success.

College updates

Placements updates at our campus...

> "The secret of success in life is for a man to be ready for his opportunity when it comes."

- The college was flooded by many Companies for placements this semester.
- Omega Maritime a Merchant Navy Company held on 14th December,2010 at our campus and two students from EEE were selected.
- Phoenix Maritime, another Merchant Navy Company's campus drive was held on 3rd January,2011 and 6 students from various branches were selected.
- HCL Technology campus drive was held on 6th January,2011 and selected 56 students.
- On 18th January,2011 Syntel campus drive took place and 21 students were shortlisted.

Admission Notification for IETE Members-2011 (The Institution of Electronics and Telecommunication Engineers)

Upcoming Events:-

31-Jan-2011: One day Workshop on Scilab software package. Dr.P.S.Subramanyam

10&11-Feb-2011: Two day national level workshop on recent trends in Research in Engineering and Technology.

10&11-Mar-2011: Two day national level workshop on Advanced Developments in Engineering.

5-July-2011: Spoken English for future Engineers 45 days duration time 3.30pm to 4.20pm

2-August-2011: special guest lecture on Embedded system &Communication system by Professor pandare OU

16&17- SEP -2011: Guest lecture on Power Electronics &Power Systems by Dr Rajgopal IITD

21&22-OCT-2011: Special Lecture on Computer Science and Information Technology using touch screen mobiles with practical case study by Professor in IIIT Hyderabad

25&26-Nov -2011 :career guidance for future engineers Wipro HR…

20&30-Dec-2011:advanced software package for new generation engineers.

Industrial Tours :-

Basara Saraswathi Temple
Bangalore BHEL manufacturing
Visakhapatnam Steel plant
Nasik Engineering Materials manufacturing
Bombay shipyard and aero plane manufacturing

Contact:

Faculty coordinator
J.Ranga Assistant Professor in
EEE Department
Cell: 9000530474/9441676834

IETE Members need not pay registration fees for the above courses.

IETE Subscription Fees**:**

1st year's Rs500/-   2nd year's Rs400/-   3rd year's Rs300/-

Last Date 31-Jan -2011

Student coordinator: -

Sandeep-IV ECE Sai kiran III ECE Balu-III EEE Prathyusha-III ECE Bharath Reddy III-CSE Subhangee ojha II EEE

VIRINCHI — TRADITION OF ARTS

Cultural fest

I ROBOT

- VIRINCHI the cultural association of our college held a program on the occasion of National Youth Day which is celebrated on 12th January,2011,the birthday of the legend Swami Vivekananda an inspiration for the Indian Youth.

- There was a burst of enthusiasm from the girls and boys to take part in Rangoli and the kite festival.

- 23 batches participated in Rangoli and four teams were declared as winners.

- Navya and Apoorva of III CSE bagged the first prize

- K.Lavanya and G.Lavanya of I CSE stood at the second place

- Kaushika and Amoolya of III IT came third and a special prize was given to G.Shravani and N.R.Ritika of III IT.

- 11 batches took part in kite festival and to encourage all the students they were given the participation certificates.

A robotics workshop BOT-EYE was conducted by the company "Robotic Wares pvt. ltd." at our campus from 20th – 22nd January,2011.

There was an outburst of overall 111 students out of which 43 students swarmed in from some of the deemed colleges like Narayanamma, NIT(Warangal), Vasavi and some others across A.P. It was open for students of all branches and years. The director of Robotic Wares being Mr. Gautam Kumar and his associate Mr. Nishikantya Nayak undertook the entire session of the workshop. It was a three day event in which students learnt to make computer controlled, image processing robots. They also learnt to make line follower robots by using programming in microcontroller through AVR ATMEGA and image processing in MATLAB. The students were divided in a team of five and given trainer kits to learn the BOT-EYE.

The event took place under the organization ELECTROELITES. The organizers and event heads hailing from the branch of ECE third year put in a lot of efforts to make this event successful. The participants were given trainer kits and certificates by the company at the end of the session.

zTHEELECTRONICINSIGHT.COM

This is a professional educational website that provides all the information needed for a BTech/BE student. It includes reliable and comprehensive information on various ppts(presentations) , e-books, seminars, Robotics ,Projects and many more. After our long efforts we decided to help others what we have gained. We are here to assist you technically by our site where we've gathered a lot of information

Any accomplishment requires the effort of many people and this work is not different . We thank our friends , especially our sir's , whose patience and support was instrumental in accomplishing this task . In a sense , this a website is a road map, it describes the tools you will need for a perfect way to present.

You can expunge through us and our main engima is to provide a quick and perfect way to learn.
It is a fiasco in our student life.The main motto of The Electronic Insight is to enhance the quality of learning, and make the process of learning easy and flexible.

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We will help you to make a positive intention on the present technology We provide guidance .If you find this site useful please drop a comment or e-mail me, We would be glad to hear from you.

Contact us: www.theelectronicinsight.com
By
Samikruth.B III ECE-B
Ramkrishna.v III ECE-B

The unusual origins of few ordinary words

☺ "Success often comes to those who have the aptitude to see way down the road."

Humour: It is difficult to believe that the Latin word *Humour*, originally meant 'a liquid'. How did the word come to change its meaning so drastically? Ancient Greek doctors believed that the human body contained 4 vital fluids-blood, phlegm, yellow bile and black bile- and that these fluids, (or "*Humours*") determined a person's health. First this word began to refer the general personality. Then a temporary mood or disposition. Then a cheerful disposition, encouraging jokes. And so finally, the sense in which it is most commonly used today-jokes in general, anything and everything funny.

Sad: Today, we are unlikely to feel *Sad*, after a hearty meal. But that is what our forefathers would have felt – "full, replete, sated". By a slight extension *Sad* also meant "tired of something, having had one's fill". The idea of being well-fed or over-fed gave rise to the idea of solid will and settled purpose. So *Sad* came to mean "established, unbudging and constant". From that, it developed as "well-organized, trustworthy or serious". And then finally as our current sense of "mournful, sorrowful or unhappy".

A FRESHER'S VIEW

The New Year dawned for the world on 1st Jan. But for me it was on 13th October as I joined "VBIT" this day. The moment I stepped down the bus I saw a banner welcoming me with WELCOME TO FRESHERS written on it. The hustle bustle in the main building reminded me of the opening scene in a movie wherein the Mumbai's famous Chatrapathi Shivaji Terminus was shown saying "Yeh Mumbai hai. Yahaan roz hazaaran log aate hain apne sapne poore karne". This may be common at VBIT as every year many students come to this "VBIT" family. Now I am also a member of this family and am very proud to say this. When I entered the class, there is energy &sparkle in every eye that I saw. However I couldn't concentrate much as I was busy observing my classmates who are now my friends. I hope this sparkle will not be lost in the midst of the routine works that are a part of the academic year. And now it's time for me to begin the ride. I hope it remains as fruitful as it was at the beginning. As they say, All that begins well, ends well.

Sports Corner

1. Under the JNTU-D zone, an Inter-Collegiate Volleyball tournament was held at Nalla Malla Reddy Engineering College from 18th January to 20th January 2011, where in VBIT Volleyball Team stood as the runners up for the tournament

2. For the JNTU Inter university volleyball men's team, the selections were held at KU-VEMPU university, Karnataka, wherein 3 VBIT players were selected. Ravi Kiran of IInd MBA was selected as the captain,Vijay Krishna of IInd MBA and Rakesh of Ist MBA were also selected for the team.

3. For the JNTU Inter university Softball team, selections were held from 22nd to 26th of January, In which 2 Softball players of VBIT were selected. Kaushik of IIIrd B.Tech was selected as the captain and Sai of Ist B.Tech was selected for the team.

4. On the 6th of January 2011, an Intra College Cricket Tournament was held at VBIT.

5. In an All India Inter Engineering College competition held at VNR Vignana Jyothi Institute of technology, Avinash of 1st year received 3rd place in Athletics event Long Jump.

NSS Dhyuthi

- DHUTHI,the NSS team of our college organized a five day camp from 18th to 22nd December,2011.

- 25 NSS volunteers actively participated in the camp held at Nemurugomla village,Aushapur ,Nalgonda district.

- Day one was observed as the Inauguration ceremony with G.Yesu Ratnam,the JNTU NSS coordinator as the guest of honor, Nima Naik , the village panchayat and the college management.

- On the second day 75 saplings were sown all over the village marking a great step towards the green world by our students.

- On the third day a team of girls taught the government students on the subjects like Maths and Hindi and the boy's team gave a helping hand to build the ground for the government land.

- On the fourth day they surveyed regarding literature

- and facilities provided by the government in that village and the people voiced their views as " no proper medical help and no proper water facility is provided."

- On the fifth day they arranged a general health check up headed by three doctors recommended by Lions Club also free medicines were distributed.

    "Donate Blood – Save Life"

- Dhyuthi NSS team organized a blood donation Camp on 24th January, 2011 in association with Indian Red Cross Society, Warangal District.

- We appreciate our students who showed such interest in helping the needy and performing this noble deed by donating their valuable blood. A Total collection of 250 units of blood was recorded.

Student coordinators:

hesha sai kumar	(III IT)
haradha	(III IT)
rithi baid	(III IT)
uresh	(III IT)
ravanthi	(III CSE)

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