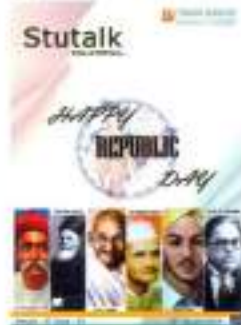


HAPPY REPUBLIC

CONTENTS

1.



Cover Page

2.



Contents Page

3.



Republic India

4.



My Article, My voice

5.



R&D Activities

6.



College Buzz

9.



Incredible India

10.



Tech Buzz

12.



Upcoming Events

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Mr. K. Sreekanth



Special Thanks to
Mr. D. K. M. Sharma
Associate Prof. of English
H&S Dept.

Post your Feedback to vbif.stutalk@gmail.com



26
January



जय
भारत

HAPPY REPUBLIC DAY

Republic day-India's greatest national festival! It commemorates the date on which India became "Sovereign, Democratic Republic" on 26th January, 1950 replacing the Government of India Act. It was the Lahore Session of the Indian National Congress at midnight of December 31, 1929- January 1, 1930, that the Tri-Color flag was unfurled by the nationalists and a pledge taken that every year on January 26, 'Independence day' would be celebrated and people would unceasingly strive for the establishment of a Sovereign Democratic Republic of India. The professed pledge was successfully redeemed on January 26 1950, when the Constitution of India framed by the Constituent Assembly of India came into force, although Independence from the British rule was achieved on August 15, 1947. It is because of this that August 15 is celebrated as Independence Day, while January 26 as Republic Day.

To mark the importance of this occasion, a 'special Republic Day parade' is taken out at the Rashtrapati Bhavan, in front of India Gate. On this very day, bravery awards are distributed to the brave soldiers, martyrs, brave citizens and children. National flag is unfurled not only at government offices but also at public places. National anthem beats inspire the countrymen with feelings of patriotism. The Republic Day celebrations have rightly become world famous as one of the greatest shows on earth drawing thousands of eager sight-seers from all over the country and many parts of the world. No other country can draw on such a wealth of tribal traditions and cultures, so many regional forms of dances and dress. And, no other country in the world can parade so many ethnically different people in splendid uniforms as India's Armed Forces. But they are all united in their proven loyalty to the Government elected by the people and in their proud traditions and legendary gallantry.

HAPPY

REPUBLIC

DAY



I WILL BE THE CHANGE FOR MY COUNTRY

BY: HARSHITHA B. Teek 11 year IT

“A LEADER IS ONE WHO KNOWS THE WAY, GOES THE WAY AND SHOWS THE WAY”

In order to change my country I should have the following features:

The first thing is that “I should change myself first. I should change ourselves.” If you change yourself then you will change your country. If you change how you think then you will change how you feel and the actions you take. Not only because you are viewing your environment through new thoughts and emotions but also because you are

change within can allow you to take action in ways you wouldn't have – or maybe even have thought about before. You are not stuck in your old thought patterns.

The second thing is that “we should be in control.” “Nobody can hurt me without my permission.” What you feel and how you react to something is always up to you. There may be a “normal” or a common way to react to different things. But that's mostly just all it is. You can choose your own thoughts, reactions and actions to pretty much everything. You don't have to freak out, overreact or even react in a negative way. So when a knee-jerk reaction just goes off. Or an old thought habit kicks in.

The third thing is that “See the good in people and help them.” “Man becomes great to the degree in which he works for the welfare of his fellow-men.” There is pretty much always something good in everyone. But you can choose what things to focus on. And if you want improvement then focusing on the good is the most useful choice. It also makes life easier for you as your world and relationships become more pleasant and more meaningful. And when you see the good in people it becomes easier to motivate yourself to be of service to them. Last but not the least is that to “Continue to grow and evolve.” “Constant development is the law of life, and he who always tries to maintain his dogmas in order to appear consistent drives himself into a false position.” You should pretty much always improve your skills, habits or re-evaluate your evaluations. You can gain deeper understanding of yourself and the world. Sure, you may look inconsistent or like you don't know what you are doing for a while. You may have trouble to act congruently or to communicate authentically. But if you don't then you are in a false position. Gandhi says, drive yourself into a false position. A place where you try to uphold or cling to your old views and ideas while you realise within that something is wrong. It's not a fun place to be. To choose to grow and evolve is a happier and more useful path to take.

These are the some of the things that I should adapt in order to change our country.

be the
CHANGE
 you want to see





Students get hands-on in Space Technology

CanSat Developer Workshop 2013 was conducted by Dhruva Space, a Bangalore based Small Satellite and High Altitude Ballooning Start-up. The workshop was hosted at the campus of the Vignana Bharathi Institute of Technology, Hyderabad, between 8-10 October, 2013. There were 50 participants with varied specialization's in engineering but with a common interest in getting hands-on in learning Space Technology. The workshop was conducted to provide a fundamental

understanding of Miniaturized Satellite development and usage of Open Source Hardware in Space Technology. The lecture sessions were combined with hands-on hardware development sessions. The participants interfaced and tested their CanSats in the presence of research engineers from the industry, providing them a practical exposure. Additionally there were special sessions by Small Satellite experts with engineering models on display helped participants to grasp the challenges in

designing and developing the subsystems of the small satellites. The student built payloads were flown on-campus using an Unmanned Aerial System. Atmospheric data of pressure and temperature were collected every second and recorded on-board the CanSat system. Once the payload lands safely, the data was retrieved by the students and analyzed. The participants of the workshop intend to participate internationally using the knowledge gained in this workshop.

SPARC 2014, QUEENSTOWN, NEWZEALAND

SPARC (Stratosphere – troposphere Processes And their Role in Climate) is one of the core four projects of the World Climate Research Programme (WCRP) which is an international effort to bring the knowledge of various research groups under its umbrella. International conferences are being held regularly in different countries to discuss scientific findings in the areas of societal concerns such as climate variability and change, ozone, atmospheric chemistry and aerosols and polar processes.

SPARC-2014 was conducted in Queenstown, New Zealand during 12 – 17 January, 2014. Dr. Gopa Dutta, Director, Research & Development center, VBIT along with two Ph.D Scholars (Mr. Salauddin Mohammad, SRF and Mr. Ette Krishna, SRF) of the center attended the symposium and presented their research work.

The papers presented by them are:

1. Long term trend of diurnal tide over a tropical station by Dr. Gopa Dutta
2. Equatorial wave activity during 2007 over Gadanki, a tropical station by Salauddin Mohammad
3. Effect of cyclone NILAM on atmospheric parameters and characteristics of Inertia Gravity Wave over Hyderabad (17° N, 78.4° E) by Ette Krishna.

They received financial support from the organizers (WCRP, APN and WMO). VBIT acknowledges the support from these international bodies.

DYUTHI:

1. NSS unit of vbit has organized blood donation camp in association with Durga Bai Deshmuk blood bank on 30-12-2013. Prof. Nimma Naik , NSS co-ordinator, JNTUH has inaugurated the camp and 150 blood units were collected.

2.NSS unit of VBIT has organized one day computer training workshop for higher secondary school children of Govt. High School, Aushapur on 09-11-2013.



DEPARTMENT OF H&S:

On the eve of National Education day two programs were organized on 11-11-2013:

- A guest lecture on "National Educational Policy" by Prof. J.L. N rao, dept. of political Science, OU, Hyderabad.
- A guest lecture on "Role of Engineers in Nation Building" by Dr.V. Chandrasekhar Director, Engg.Staff college , govt. of India

SPORTS :

1.) VBIT Conducted base ball, chess University Team selections rounds for JNTU affiliated colleges in the campus on 1.10.2013. Prof Gopi Krishna (Physical Director) JNTU was present for the selection rounds.



JNTU All India Inter University Softball team with coach Mr. M. Srinivas Reddy (P.D. VBIT)



GANITH

The second edition of Ganith Symposium was held on 23rd and 24th of December in collaboration with Indian Institute of technology , Mumbai . The events included PPT presentation , rubiks cube solving , Quiz , JAM , Math Hunt etc . The chief guests for the events were Prof. Kuppu Swamy , Rector , Dr. Ambedkar Open university and V.Chndrasekhar , Director ESCI



DEPARTMENT OF ECE

A workshop on " Embedded C Programming on ARM boards" on 23rd, 24th & 25th January ,2014 was organised by Department of ECE and ECE Branch Association



DEPARTMENT OF EEE

Electroks (EEE branch association) organized a guest lecture on "Hydro Electric Power Plant" for II year EEE students on 20-12-2013, by Prof.Mr.MSR.Murthy, Dean R&D dept. of aurora college.

On 20-01-2014, A guest lecture on Sustainable Energy was given by Dr.Rajendra Kharul, Joint Director, World Institute of Sustainable Energy(WISE) for II & III year EEE Students



DEPARTMENT OF CSE

Dept. of CSE conducted a guest lecture on "Development of cryptographic applications using java" by Dr.Radha Krishna, technical officer, CCMB, Hyderabad on 12-12-2013.



DEPARTMENT OF MECHANICAL

A one day workshop on "Emerging trends in mechanical engineering" was organized on 23-11-2013 by Dr.K.Ramesh Kumar, Director, DRDL, Hyderabad.

First ever Graduation day celebrations were conducted to bid farewell to the passed out batch.

Expert Lectures by Professors of Mechanical Engineering, Osmania University on "Rapid Prototyping Methods" was conducted

Product Demonstrations on Air Craft Modelling was arranged to II and III year students.

SRISHTI

As a part of inauguration of Srishti - The proposed Literary Club, Elocution and Creative writing competition were conducted for I B.Tech Students.

DEPARTMENT OF CIVIL

1.)Civil Engineering Branch Association-"Srasta" was inaugurated on 25-09-2013 by Mr.KVVN Rao, Dy.Executive Engineer,Dam Safety Organisation, Irrigation Dept.,Govt.of AP.He has delivered a lecture on Dam Safety

2.)SRASTA, the civil engineering club had organized a guest lecture on "Environmental Awareness" on 27-12-2013 by shaik pentu sahib, chief Scientist & head at NEERI Zonal Laboratories,ICT campus, Hyderabad.

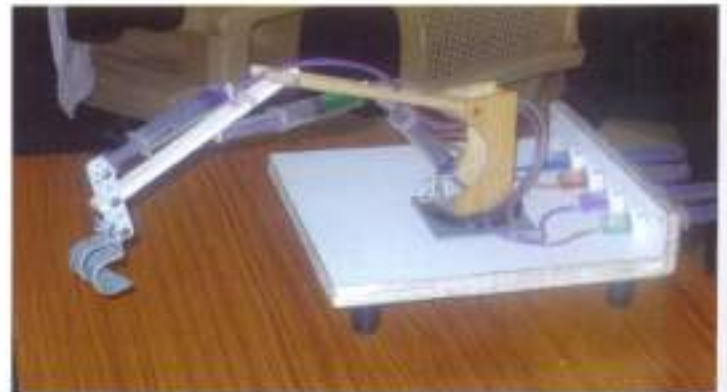
3.)Students of III yr.CE have developed a working model of a Stadium having a facility of Open- Closed roof
Team Name :NIRMAAN

Name of the students: Akash(11P610a101),Arshad (105),Bhanu Prakash(107), Deepak(109), Sameer(136), Tanuj(146). Special Feature of Project : Creates a Open-Closed Roof such that It Protects the field from the rain and bad light.!



SOWPANIKA

Department of Physics and Chemistry inaugurated "SOWPANIKA" - Physics and Chemistry Students Club. Various Activities like Poster Presentations, Working Model Exhibition and Quiz Competition were conducted as part of inaugural celebration and total 260 students of I B.Tech participated in the event.



College buzz

DEPARTMENT OF MBA

1. Dept. of MBA conducted guest lecture on "Overview of Indian stock market and Impact of political Influence on Rupee Value" on 28-12-2013 by Mr. Vinayak Raju, Regional Head at Aditya Birla Money.
2. Dept. of MBA had conducted a program on "Consumer awareness" on 30-11-2013.
3. Dept. of MBA had conducted a guest lecture on "how to visualize success as a manager" to MBA students on 21-11-2013 by Mr. Ravi kumar, area manager at Novartis.
4. Dept. of MBA had conducted a guest lecture on "various practical aspects of the job functions of manager and various levels of manager" on 23-11-2013 by Mr.I.V.Subba rao, area manager at MSD pharmaceutical.
5. MBA students of VBIT had attended a one day workshop on "transform youth to transform India" on 09-11-2013 which was conducted by Vivekananda Institute of Human Excellency at Ramakrishna Mission Hyderabad.
6. Under the banner of management aptitude club vbit MBA dept. had conducted a one day soft skill development program on 06-11-2013. Paper presentation competition was held and Mr Ashish & Ms Anusha had bagged 1st and 2nd prizes respectively.

TRAINING & PLACEMENT CELL

- 1.) On 20-11-2013, A Guest Lecture on "Prepare today for tomorrow" by Mr. P. Suri, Sr.Consultant, Edumission India Pvt. Ltd organised by T&P cell for 1st year students.
- 2.) On 17-12-2013, A seminar on proposed structure of Value Added Program (VAP) for 2013-14 II semester was organised by Training & Placement cell for II & III B.Tech students.
- 3.) On 16-12-2013, A guest lecture on preparation of IELTS was conducted by Training & Placement cell in association with British Council Library(BCL), Hyderabad
- 4.) On 13th January, 2014 a campus drive by "Dark Horse Technologies" was held at VBIT . 26 Students were shortlisted.



IEEE

- 1.) The main aim of the STUDENT AND TEACHER RESEARCH (STAR) PROGRAM 2 was to provide an insight into the world of computers and to develop their basic technical skills. The session started with a brief interaction between the team members and girls to break ice to ensure an active involvement in the session. The session included introduction of computers, Microsoft office and other basic software's.
- 2.) Another STAR event included a session on Water rockets and Robotics by the students of VBIT.
- 3.) Other sessions and events under IEEE VBIT SB included an alumni interaction by Ms. Preeti Koval (Secretary, IEEE Hyderabad Section) and Srulja Mummadi (Chairperson IEEE VBIT SB 2013-14).
- 4.) A guest lecture on 'Insight into Relational database' was given by Mr. Sathosh Kumar VK.



John Benedict, L Nitya and III ECE representatives of IEEE-VBIT SB at L&T Hyderabad Metro Rail (HMR) field trip organised by IEEE VBIT Affinity Group, IEEE Hyderabad Section on 28th January, 2014.



INCREDIBLE INDIA

Sixty years from the perspective of an individual's life span, is a long time. From the perspective of a nation's history- it is a brief moment in time. In 1857, when for a very brief span of time, the British lost control of Delhi, all the soldiers who were revolting could think of was to request the last Moghul Emperor, Bahadur Shah Zafar, to lead them. Exactly 90 years later, in 1947 India awoke to light and freedom, and chose to become a democracy based on universal suffrage. No one thought of an emperor.

'God of cricket' retires



THANK YOU - these two words very much summed up India's mood on 16 December when Tendulkar bowled out from all forms of cricket. The legend carried the hopes and aspirations of a billion people and it was only apt when fans stood up to salute a hero who had united India like nobody else in the past 25 years.

Tendulkar's formidable cricketing records aside, most people will remember him as a player who remained humble and grounded despite his stardom. The news about his retirement, arguably the biggest story of the year, sparked emotions of sadness, joy and pride in the media as writers filled pages with what can be best described as their love for the Little Master, as Tendulkar was fondly called.



Many Indians felt proud when the country's space agency launched its maiden Mars Orbiter Mission (MOM) on 5 November. Prime Minister Manmohan Singh described it as a "historic achievement" and congratulated scientists at the Indian Space Research Organisation (ISRO).

India will enter an elite group that includes the United States, Europe and Russia when Isro's spacecraft reaches the Red Planet



GOOGLE LENS TO MONITOR GLUCOSE LEVEL IN TEARS



Google unveiled a contact lens that monitors glucose levels in tears, a potential reprieve for millions of diabetics who have to jab their fingers to draw their own blood as many as 10 times a day. The prototype, which Google says will take at least five years to reach consumers, is one of several medical devices being designed by companies to make glucose monitoring for diabetic patients more convenient and less invasive than the traditional finger pricks. The lenses use a minuscule glucose sensor and a wireless transmitter to help those among the world's 382 million diabetics who need insulin keep a close watch on their blood sugar and adjust their dose.

The contact lenses were developed during the past 18 months in the clandestine Google X lab that also came up with a driverless car, Google's Web-surfing eyeglasses and Project Loon, a network of large balloons designed to beam the Internet to unwired places.

NEW MIT TECHNOLOGY ALLOWS 3D IMAGE INTERACTION

Researchers at the Massachusetts Institute of Technology (MIT) have found a way to allow people in one place to interact with three-dimensional versions of people or objects in a different location. MIT's Tangible Media Group calls the technology in FORM. A person in one location moves or puts an object in front of a depth-sensing camera. That camera sends signals to a motorized pin screen somewhere else and that's where the 3D image pops up. If someone on camera is moving his hands, for example, that movement would show up on the pin screen in another location. They hope the technology can eventually be used by urban planners and architects. It could also be used by doctors and others who need to look at CT scans.



SCIENTISTS MAKE SOFTWARE THAT CAN PREDICT WEATHER



Scientists have developed a new software that gives anyone the opportunity to know their community, state or country's weather activity for the day and months ahead. Researchers from the National Autonomous University of Mexico (UNAM) designed the software Monitoring Climate Change (Moclic) through which it is possible to organise, store and operate geo-referenced data from climate elements. Moclic can calculate bio and agroclimatic indicators, such as humidity, aridity, rain erosion and rainfall concentration, researchers said. The software feeds on data from weather stations in any state or country, unlike current software that use global information with which what happens in a small ranch regarding temperature

can be known more accurately. Francisco Bautista Zuniga, head of Monoclic project, points out that the software allows an agronomist to obtain annual rainfall records and relate them to the crops production figures for explanation of a possible event. "Likewise, it is possible to identify desiccation processes in a region, which comes useful when considering the use of improved seeds that can resist droughts, or the optimisation of rainwater-catching techniques, storage or types of irrigation," He said a physician can obtain information about the climate tendencies of specific periods of time to know the behaviour of intestinal diseases in certain weather conditions. Zuniga pointed out that knowing the tendencies regarding the change of atmospheric conditions is needed by every federal entity, since it can help taking measures prior to a possible flood. "The use of Moclic with local data is of great importance because global models do not include land relief nor closeness to sea data, among others."

VIRTUAL BOX

Oracle VM VirtualBox (formerly Sun VirtualBox, Sun xVMVirtualBox and innotekVirtualBox) is a virtualization software package for x86 and AMD64/Intel64-based computers from Oracle Corporation as part of its family of virtualization products. It was created by innotek GmbH, purchased in 2008 by Sun Microsystems, and now developed by Oracle. It is installed on an existing host operating system as an application; this host application allows additional guest operating systems, each known as a Guest OS, to be loaded and run, each with its own virtual environment. Supported host operating systems include Linux, Mac OS X, Windows XP, Windows Vista, Windows 7, Windows 8, Solaris, and OpenSolaris; there is also a port to FreeBSD. Supported guest operating systems include versions and derivations of Windows, Linux, BSD, OS/2, Solaris and others. Since release 3.2.0, VirtualBox also allows limited virtualization of Mac OS X guests on Apple hardware, though OSX86 can also be installed using VirtualBox. VirtualBox was initially offered by the innotek GmbH under a proprietary software license, making one version of the product available at no cost for personal or evaluation use, subject to the VirtualBox Personal Use and Evaluation License (PUEL). In January 2007, based on counsel by LiSoG, innotek GmbH released VirtualBox Open Source Edition (OSE) as free and open-source software, subject to the requirements of the GNU General Public License (GPL). Oracle Corporation acquired Sun in January 2010 and re-branded the product as "Oracle VM VirtualBox". Users of VirtualBox can load multiple guest OSs under a single host operating-system (host OS). Each guest can be started, paused and stopped independently within its own virtual machine (VM). The user can independently configure each VM and run it under a choice of software-based virtualization or hardware assisted virtualization if the underlying host hardware supports this.

SOON, DOWNLOAD MOVIES IN A SECOND WITH 5G



South Korea, already one of the most wired countries on earth, announced a 1.6 trillion won (\$1.5 billion) plan to roll out a next-generation 5G wireless service quick enough to download full-length films in a second. Seoul intends to take up to a 20 percent stake in the world's telecom infrastructure equipment market by 2020, according to the ministry. South Korea is renowned for being at the forefront of internet technology with broadband speeds that consistently out-pace for those in Europe or the United States. 5G technology will allow users to download a 800-megabyte movie file in one second, compared with 40 seconds using 4G. Officials said that the new service would also mean people on bullet trains running faster than 500 kilometres (310 miles) an hour would even be able to access the internet, compared with 300 kph currently. "If we have the technology to allow fast internet access in these trains, it can open new opportunities for us globally," he said. Samsung Electronics announced back in May that it had successfully tested 5G technology, managing data transmission of more than one gigabyte per second over a distance of two kilometres. Samsung said it had found a way to harness millimetre-wave bands which have proved to be a sticking point for the mobile industry to date. The test used 64 antenna elements, which the tech. Titan said "overcame the issue of 'unfavourable propagation characteristics' that have prevented data travelling across long distances using the bands". However, it made clear that the technology would not be available commercially before the end of the decade.

A LONG LASTING BATTERY THAT RUNS ON SUGAR!

Scientists have developed a new biodegradable battery that runs on sugar and can work for long hours without charging. "In as soon as three years, the new battery could be running some of the cell phones, tablets, video games, and the myriad other electronic gadgets that require power" researchers said. The battery developed by a Virginia Tech research team has an unmatched energy density, a development that could replace conventional batteries with ones that are cheaper, refillable, and bio-degradable. "While other sugar batteries have been developed, this one has an energy density an order of magnitude higher than others, allowing it to run longer before needing to be refuelled", Y.H. Percival Zhang, an associate professor of biological systems engineering in the College of Agriculture and Life Sciences and the College of Engineering said. "Sugar is a perfect energy storage compound in nature. So it's only logical that we try to harness this natural power in an environmentally friendly way to produce a battery," Zhang said. "The development could help in keeping hundreds of thousands of tonnes of batteries from ending up in landfills" researchers said.



UPCOMING

Mark Your Calendars

EVENTS



STUTALK

EDITORIAL BOARD SELECTIONS

ROBOTRYST - 2014

Guest Lectures



Workshops



POWER COLLOQUIUM

DYUTHI

VIRANCHI



Technical Fest

Street Cause



“ VBIT is all set to inaugurate a majestic statue of Swami Vivekananda as part of the 150th birth anniversary celebrations taking place nationwide. It is going to be the most appropriate tribute to the towering personality of Swami Vivekananda paid by VBIT which is run by an educational society named after this youth idol. As Vivekananda continues to inspire generation after generation with his dynamic personality, majestic character and powerful teachings, VBIT proudly has his statue right in front of its main building that can be truly stimulating to the budding engineers of the institution. ”





Stutalk

Voice of VBITians...

HAPPY REPUBLIC DAY



Bal Gangadhar Tilak

Dadabhai Naoroji



M. K. Gandhi

Lal Bahadur Shastri



Bhagat Singh

Dr. B. R. Ambedkar

