CSE

Computer Science & Engineering

TECHNOTHON

October 2015

VISHNU INSTITUTE OF TECHNOLOGY
BHIMAVARAM
Vishnu Institute of Technology is permanently affiliated to JNTUK, Kakinada. The mission of the department is to advance and enhance computer science engineering fundamentals to build the intellectual capital of students. The CSE Department endeavors to be an important resource centre for the development of computing systems and applications.

The department was established in the academic year 2008-09 with an annual intake of 66. It offers 4 year B.Tech programme. This program affiliated to JNTU Kakinada & approved by NBA & AICTE. The annual intake of CSE branch was increased to 180 from the academic year 2014-15. The department offers M.Tech in Computer Science & Engineering from the academic year: 2012-13. The department has number of well equipped Laboratories and provides excellent facilities for learning.

INSIDE...

- Department News & Activities
- Faculty Achievements
- Gold Medal for Bhargavi, CSE
- Tips & Technical Tricks
- Short Motivational Stories
- Arts
Vishnu Institute of Technology was given permanent affiliation for running UG/PG courses from the academic year 2015-16. Dr. D. Suryanarayana, Director & Principal received orders from the Vice-Chancellor, JNTUK Kakinada.
DEPARTMENT ACTIVITIES

TWO DAY WORKSHOP ON WEB APPLICATION SECURITY
Mr. G. SANTHOSH, PHOTON INFOTECH PVT Ltd.,

The Department of CSE & IT organised a two-day training session on Web Application Security on 3-10-15 & 4-10-15. Students of IV B. Tech CSE & IT participated in the workshop.

The Resource person Mr. G. Santhosh, from Photon Infotech Pvt Ltd., explained students about security related issues in web applications and different types of security vulnerabilities (Top 10 Open Web Application Security project (OWASP)).

Workshop included hands-on session for the students.

ONE DAY WORKSHOP ON WEB APPLICATION DEVELOPMENT
MR. RAMESH & MR. ANIL FROM COIGN EDU & IT SERVICES PVT Ltd

The Departments of CSE & IT organized one week workshop on Web Application Development which started on 06-08-15. IV B. Tech CSE & IT students participated in the workshop.

The Resource Persons Mr. Ramesh & Mr. Anil from COIGN EDU & IT Services Pvt Ltd taught the students various topics like Servlets, JSPs, JDBC etc. At the end, the participants developed small web applications & deployed them.
FACULTY ACTIVITIES

RESEARCH SEMINARS BY FACULTY

1. Speaker: Mr. M. Satish, Assistant Professor
   Title: Sentiment Analysis and classification
   Date: 07.10.2015

2. Speaker: Ms. CH.Lakshmi Veenadhari, Assistant Professor
   Title: A Sqrt(N) Token Based Distributed Group Mutual Exclusion Algorithm with Quorums
   Date: 09.10.2015

3. Speaker: MS. Padma Jyothi, Assistant Professor
   Title: Efficient multidimensional fuzzy search on PIM system
   Date: 13.10.2015

STUDENT ACTIVITIES

GOLD MEDAL FOR OUR 2011-15 CSE STUDENT FORM

Ms. V Naga Bhargavi, B.Tech 2011-15 batch CSE student from Vishnu Institute of Technology, is going to receive gold medal from JNTUK - Kakinada for securing first position (with 89%) among all affiliated college students of JNTUK - Kakinada in the stream of Computer Science & Engineering.
The winners are going to receive gold medals in the JNTUK 6th convocation to be held, according to the information released by JNTUK - Kakinada.

**IV CSE STUDENTS STOOD 3**<sup>RD</sup> **PLACE IN INDIA FOR DRIVE @ SAFE APP AND WON VIRTUSA AppTite2015 Competition**

The B.Tech CSE & IT students of Vishnu Institute of Technology exhibited outstanding performance at various levels throughout the competition. Out of 196 ideas successfully submitted, 67 ideas are shortlisted at the initial level, out of which 12 ideas are from the students of Vishnu Institute of Technology.

AppTite is a national level app development competition organized by Virtusa Corporation. AppTite2015 received overwhelming response with the participation of 350 teams from 88 colleges across the nation.

From the 67 ideas shortlisted by Virtusa initially, 26 ideas are selected for the next level, out of which 6 teams are from our college. 3 Teams from Vishnu Institute of Technology could reach to final presentation at Virtusa Corporation, Hyderabad out of 8 teams selected.

One of the Apps "Drive @ Safe" by our students secured 3rd prize in the final competition under the supervision of Dr. Abhinav Dayal, Department of CSE, Vishnu Institute of Technology.

**App Details:**

One of the major causes of accidents is distraction. To avoid distraction caused by mobile phones while driving, this app will automatically put the phone in Do Not Disturb/Call mode smartly by detecting unfavorable conditions.
PLACEMENTS @ CSE

Eleven of our IV CSE students were placed in Virtusa and SenecaGlobal Companies in the month of October 2015.

- Bolla Sandeep Reddy
- Chekka Srujan
- Gullipilli Jyothi Prakash
- Indukuri Bhavani
- Innamuri Venkata Sai Nandini
- Ramayanan Ramakeerthana
- Talla Srinivas Reddy
- Uppaluri Kaivalya

- Saripalli Mohana Sri Sai Phani
- Uppalapati Mounica
- Vardhineedi Sai Madhuri

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II and III CSE students of CSE attended the techno-management festival of K L University from 9th – 10th Oct 2015.
TIPS & TRICKS

SOME TRICKY AND INTERESTING C PROGRAMS

VENKATA RAMA LAKSHMI
FACULTY OF CSE

1. C program to print 1 to 100 without loop, recursion and goto?

```c
#include <stdlib.h>
int main()
{
    /* Cross your fingers and hope seq exists! */
    return system("seq 1 100");
}
```

2. C program to print Indian map?

```c
#include <stdio.h>
maint
{
    int a,b,c;
    int count = 1;
    for (b=c=10;a="- FIGURE?, UMKC,XYZHello Folks,\TFy!QJu ROo TNn(ROo)SLq SLq ULo+\UHs UJq TNn*RPn/QPbEWS_JSWQAIJO^\NBELPeHBFHT}TnALvBLOFAhF0uFETp\HCStHAUFAgcEAelclcn^r)r\tZvYxXy\T|S-Pn SPm SOm TNn ULo0ULo#ULo-W\Hq!Wfs XDt!" [b++21]; )
    for(; a-- > 64 ; )
        putchar ( ++c==\'Z\' ? c = c/ 9:33^b&1);
    return 0;
}
```

GMAIL TRICKS

KEERTHI
FACULTY OF CSE
If you want to keep track of how your email address is used (i.e., when you sign up to a newsletter), add "." (period only) anywhere in your username. This way you’ll create a new ‘alias’ email address and all the messages sent to that new ‘alias’ address will get forwarded to your primary Gmail address.

**Trick No 1:**

For example, if your Gmail address is `username@gmail.com` then you can make variations like:

```plaintext
u.username@gmail.com  
(remember, you just change the username, not @Gmail)
```

Add one or more periods ("." ) within your address. These periods will be ignored by Gmail. As an example, "s.o.m.e.u.s.e.r.n.a.m.e@gmail.com" is recognized by Gmail as your normal "someusername@gmail.com" address.

```plaintext
Page on user.name@Gmail  
usernam.e@gmail.com
```

Any email sent to the above ‘alias’ email addresses will go straight `tousername@gmail.com`. Why is this useful? If you use this trick when you sign up to different newsletters and you start receiving spam, you’ll know which newsletter sold your email address to spammers.

The trick we just showed you is a good one. But it is a little difficult for tracking multiple sources of emails that you sign up for. My favourite for easily identified sources is to use “+someword” after your username. You’ll get the same result as above and be able to instantly recognize where the email was entered.

**Trick No 2:**

So, when signing up for email updates, newsletters or anywhere you enter your Gmail address, simply add “+someword” after your username.

```plaintext
For CNN: username+cnn@gmail.com  
And for the New York Times: username+newyorktimes@gmail.com
```

Keep going in this manner:

```plaintext
username+squidoo@gmail.com  
username+twitter@gmail.com  
username+googlealerts@gmail.com
```

And on and on and on....

You can also use a combination of the above 2 tricks. You can build: Page on `usert.name+twitter@gmail.com`

All emails sent to the above addresses will get forwarded `tousername@gmail.com`. 
1. Make some sick beats at Patatap (http://www.patatap.com/)

They even have matching visuals to complement the sounds. Jam out with your friends for a guaranteed good time!

2. Learn any course you can imagine at Coursera (https://www.coursera.org/)

Learn from literally thousands of options, a lot of which are free. Knowledge is power after all, especially unnecessary knowledge!

3. Read hilarious online comics like Dr. Mc Ninja (http://drmcninja.com/)

Or go on to comic prospector and find something else you like (But if you don’t like Dr. Mc Ninja then you suck)

4. Photoshop pictures online using Pixlr (https://pixlr.com/)

No need to sign up or anything, just go on and manipulate your photos and make your friends look fat. It’s a classic!

5. Play hi quality games at BigPoint (http://www.bigpoint.com/)

Just make sure you have an unlimited internet plan, otherwise you’re screwed.

(Source Collected from: http://www.scoopwhoop.com/)

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THE 10 WEBSITES IN INDIA ONE SHOULD VISIT DAILY?

SUNITHA VARDHANAPU

FACULTY OF CSE

1. Quora (https://www.quora.com/)

Not that you need encouragement—it’s the one of the most popular sites on the Internet. Plus there is bonus! you are not wasting your time. You are just adding piles of information to your storage. Fun, isn’t it?
2. Reuters (in.reuters.com/)

If you’re looking for sober, unbiased news coverage that’s less infotainment, less political activism, and more pure journalism, then the international news agency with 160 years of history as the world’s most respected wire service is probably your best choice. Established in London in 1851 to provide financial market data, Reuters built a reputation as the first to report international news scoops, including news of Abraham Lincoln’s assassination. Reuters online is multi-lingual, employs thousands of reporters, and hits all the highlights without the fluff. It’s like normal news, except for grownups. you’re not already pinning, check out how you can get started.

3. Pinterest (https://uk.pinterest.com/)

Pinterest is a bit like Hotel California: "you can check out any time you like, but you can never leave”—it’s that consuming. On the social pinboard site you “pin” images from around the Web to your categorized boards, and others can then repin your pics. It’s a way to collect your thoughts, bookmark recipes and tips, or just get inspired. If you’re not already pinning, check out how you can get started.

4. Lifehacker (lifehacker.com/)

Your life needs some hacking and this Gawker site has the low-down on how to do it. While there’s a lot of emphasis on improving your digital well-being, there are also plenty of other worthwhile tips and tricks to be found for bettering your life overall, in areas such as food, creativity, work, and travel, to name a few.

*Last but not least, keeps update of what’s going on in market. Who wouldn’t want to save a handful!*

Source from: https://en.wikipedia.org/

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**REAL WORLD FACTS**

**AMAZING FACTS ABOUT TECHNOLOGY**

POTHUMUDI SHANTHI

FACULTY OF CSE

Almost no one in Nigeria, Ghana, Bangladesh and Uganda owns a land lineline telephone. Many people worldwide are skipping the fixed telephone line that many Americans grew up with, and this fact is most apparent in...
many emerging and developing nations. Only 1% of the population in Nigeria, Ghana, Bangladesh and Uganda say they own a working landline telephone in their household, while 89% in Nigeria, 83% in Ghana, 76% in Bangladesh and 65% in Uganda own cell phones. This compares with 60% landline penetration in the U.S.

Chinese internet users love to shop. About half of online Chinese (52%) have used the internet to buy products in the past 12 months. Given the size of the online Chinese marketplace, this goes a long way in explaining the meteoric rise of commerce giants such as Alibaba and Baidu.

Filipinos love social networking. Among adult internet users in the Philippines, 93% say that they use social networking sites, such as Facebook and Twitter. This is the highest such percentage across the emerging and developing countries surveyed and greater than the 74% of internet users in the U.S. who use social networking sites. Roughly seven-in-ten of those Filipino social networkers use these platforms to share views about music and movies, while half talk about sports. Social Media Popular in Emerging and Developing Nations. Many Poles access medical information online, especially women.

More than six-in- ten internet users in Poland (64%) say they have gotten health information online in the past 12 months. This includes 72% of female internet users, but only 56% of male users. Similar gender gaps are found in the U.S., and also in Russia and Ukraine.

BABBAR ALI –
WORLD’S YOUNGEST HEADMASTER AT THE AGE OF 16

MADHURI PATHIVADA
FACULTY OF CSE
I believe, you and I are blessed with all the basic necessities of life. Otherwise, neither will I be writing this article nor will you be reading this.

When the so called matured Head masters crib about the pitfalls in the system, Babbar Ali created a system of his own for the world to see and explore.

This young boy has fought against all odds with a fire in his belly and a deep desire in his heart to educate the children in his neighborhood. Babbar is a 12th standard student of "Cossimbazar Raj Govinda Sundari Vidyapeeth", Murshidabad, West Bengal.

He attends school like any normal children from morning till late afternoon. **But what he does after his school hours is to be watched, learned and adopted.**

Babbar Ali is the Headmaster of an afternoon school called “Anand Shiksha Niketan” where there are 800 students, at present. It all started 9 years back with just 8 students. The school is being run in temporary concrete structure without any major infrastructure. **At his Gurukula, Babbar provides free education to all the kids who come from faraway places to learn the basic lessons of life. When we blame the system, our family circumstances, financial instabilities and many other things to take action, Babbar Ali is doing all this with just 3 things**

– “Sheer Dedication, Passion and Will”.

**Guys we all know how India’s education system is and there’re many not getting the basic education. The request here is please step forward and help a child. You don’t need to go to NGOs or join a school. No I’m not asking you to do that. (But if you can, that’s even better).**

I’m sure there’ll be few families around you struggling to send their child to schools. If you can’t pay for ‘me, just teach ‘em in your free time. Believe me, you’ll love the sense of achievement/satisfaction. Who knows when you become a role model for that child. ☺️

**India needs many Babbar Ali. Go help a child.**

 Winning isn't everything...
 But the will to win is everything...

Source: BBC’s Hunger to Learn series
Also read at: EducationMaster.Org
"LIFE ALWAYS HAS ITS UPS AND DOWNS, IF IT DOESN’T YOU ARE DEAD" (The Cockroach Theory)

MADHURI PATHIVADA
FACULTY OF CSE

This story is known as "Cockroach theory". The cockroach theory for self development.

At a restaurant, a cockroach suddenly flew from somewhere and sat on a lady. She started screaming out of fear. With a panic stricken face and trembling voice, she started jumping, with both her hands desperately trying to get rid of the cockroach.

Her reaction was contagious, as everyone in her group also got panicky. The lady finally managed to push the cockroach away but it landed on another lady in the group. Now, it was the turn of the other lady in the group to continue the drama. The waiter rushed forward to their rescue. In the relay of throwing, the cockroach next fell upon the waiter. The waiter stood firm, composed himself and observed the behavior of the cockroach on his shirt. When he was confident enough, he grabbed it with his fingers and threw it out of the restaurant. Sipping my coffee and watching the amusement, the antenna of my mind picked up a few thoughts and started wondering, was the cockroach responsible for their histrionic behavior? If so, then why was the waiter not disturbed? He handled it near to perfection, without any chaos. It is not the cockroach, but the inability of those people to handle the disturbance caused by the cockroach, that disturbed the ladies. I realized that, it is not the shouting of my father or my boss or my wife that
disturbs me, but it's my inability to handle the disturbances caused by their shouting that disturbs me.

It’s not the traffic jams on the road that disturbs me, but my inability to handle the disturbance caused by the traffic jam that disturbs me.

More than the problem, it's my reaction to the problem that creates chaos in my life.

Lessons learnt from the story

_ I understood, I should not react in life._
_ I should always respond._
_ The women reacted, whereas the waiter responded._
_ Reactions are always instinctive whereas responses are always well thought of._

A beautiful way to understand.........LIFE

*Person who is HAPPY is not because Everything is RIGHT in his Life..*  
*He is HAPPY because his Attitude towards Everything in his Life is Right..!!*

* * * * *

THE MOMENT OF TRUTH...

_K.SRAVANI, II B.TECH_

Once upon a time there lived a boy, Ishanth who is 20 now and he is topper from his childhood. Mostly he have all the talents. His father treats him very well and brings him whatever he wants. Ishanth’s father satisfies all the desires of him and cares him like no other parent in the world.

Once Ishanth and his father were in bus travelling to their home...

Then Ishanth said, "Dad, Look the sun is coming with us..." Dad smiled... But everyone looked at the 20 year old’s childish behaviour with pity.. Ishanth again started by clapping his hands, "Dad, look the trees were behind us and see Dad, the clouds were travelling with us.."

Again his dad smiled...
Then there was a passenger who seated in the front seat of these guys. On hearing the Ishanth's words, he couldn't resist and asked Ishanth's father like this... "Why don't you take your son to a good doctor...?"

Then Ishanth's father simply smiled and said him,"We were now coming from the hospital, he was blind from his birth, he just got his eyes today..

"And he tells completely about Ishanth's achievements.

The passenger was shocked and felt ashamed for judging Ishanth in that way...

Moral of the passage

DON'T JUDGE ANYONE UNTIL YOU COMPLETELY KNOW ABOUT THEM... THE TRUTH MIGHT SURPRISE YOU... AND DON'T MAKE AN IMPRESSION ON ANYONE BY JUST SEEING THEM IN ONE SITUATION...!

... K. Sravani, II B.Tech

ARTS BY STUDENTS

ISUKAPATI RAM KUMAR, IV B.TECH