INNOVATING TOWARD'S FUTURE

SRIJAN
Vol-1

Life in DUCS

Technology Hints for 2011

Social Networking Sites: "Net Worth???"

DEPARTMENT OF COMPUTER SCIENCE
UNIVERSITY OF DELHI, DELHI, 110007

Message from the Faculty

It gives me great pleasure to learn that the students of Department of Computer Science, University of Delhi are launching their first issue of online magazine "Srijan" on the occasion of 7th year of "Sankalan". Our department was established in the year 1981 and we were the first one to introduce Master of Computer Science program in 1982. Since then, the department has progressed by leaps and bounds with many achievements to its credit. Our students have received a number of awards at various national and international contests. Alumni of this department are highly placed in Industry in India and abroad. They have also been awarded for their high achievements in Industry. In the recent past, some of our students have also been placed in R & D companies of international repute. Our students are also collaborating in research and development projects with students of other universities worldwide. To share all these news, there is a need of some kind of medium. This magazine would serve the purpose of newsletter.

With the advancement of IT field, the current students want to give expression to their new ideas / thoughts / talents by way of articles, poetry etc, and share these with the other fellow students. This magazine would, therefore, provide them a forum to do so.
I extend my heartiest congratulations to all students for their first endeavor and wish them all success.

Vidya Kulkarni
Associate Professor
Deptt. Of Computer Science,
University of Delhi -110007.

Message from the Editorial Board

"There is nothing more difficult to take in hand, more perilous to conduct or more uncertain in its success than to take the lead in the introduction of a new order of things."

It is very nigh impossible for us to express our relationship with this institution. All we know is that there is a strong force which is molding us to compete in this challenging world. The changes are taking place in the surroundings constantly and the only way is to proceed in the forward direction with firm determination.

Hence, with all the efforts and creativity in hand, DUCS presents you all the first edition of the MAGAZINE, "SRIJAN".

The beginning of the magazine wouldn't have been possible without the guidance and support of our faculty member, Dr. Vasudha Bhatnagar. She took personal interest in every aspect of the magazine, spending her valuable time and giving suggestions to make the first edition special.

Our special thanks to all the students who have helped us with the material and photographs.

Hope you all appreciate the initiative and find the articles interesting.

EDITORIAL BOARD:
PRIYANKA KOCHHAR
SUMAN YADAV
AARTI SETHIYA
KIM SOKPHYRUM

The Team

Faculty Advisor

Dr. Vasudha Bhatnagar,
Department of Computer Science,
Delhi University, New Delhi-110007

Coordinators

Aditya Pratap (MCA 2nd Year)
Dewendra Chaudhary (MCA 2nd Year)
Vaibhav Shukla (MCA 2nd Year)

Designer

Lal Gulab (MCA 2nd Year)

Editorial Board

Aarti Sethiya (M.Sc. 2nd Year)
Kim Sokphyrum (MCA 2nd Year)
Priyanka Kochhar (MCA 2nd Year)
Suman Yadav (MCA 2nd Year)

Contents

"The world is the great gymnasium where we come to make ourselves strong."

-Swami vivekananda

SOCIAL NETWORKING SITES : "NET WORTH????"

"Powerful new technologies provide great benefits, but they also change the way we live, and not always in ways that everyone likes. "

Social networking sites such as Facebook, MySpace, and Twitter is one such category of technology. The question arises: Has social networking technology made us better or worse off?

This is undoubtedly a debatable topic. I feel the young generation considers that these sites have a positive effect on the society and individuality. The connective power of the web is considered to be COOL!! They believe such sites increase communication with friends and family, familiarize people with valuable computer skills, and allow contact with people from around the world. On the other hand, if taken a view from our parents, they merely consider it as a waste of time. The situation is synonymous to the use of air conditioners by people, which makes us more comfortable, but those who grew up before its invention speak fondly of a time when everyone sat on the front porch and talked to their neighbors rather than going indoors to stay cool in the A.C. and watch TV. All they have to say is that we agree to the point that these sites bring people together, but other than that what do they do? They are an easy way to stock people. They are also addictive and have undoubtedly contributed to "Internet Addiction Disorder" in some cases, specially talking about the applications like Farmville etc. which require you to check your account everyday. We don't get the point of harvesting crops or feeding animals in a computer. It would be better to let your virtual crops and pets die and instead focus on doing some walking and meeting friends face-to-face.

I myself have a Facebook account and have played games like Farmville as well. And yes, I had a slight addiction to Facebook but in the end it was all virtual things that didn't really matter.

The difference in opinion actually doesn't lie between two generations. Instead it differs from person to person. I believe it isn't the sites fault; it depends upon the person and how they use them. This is like asking if 'Guns' have had a positive impact on society. Because you can't really judge that, it really depends on the person who is using it and their own personal intentions. Guns have the power to easily kill but depending on the person who owns that gun will determine whether or not it is good for society.

Guns helped us in our hunt for food, in wining wars, in protecting ourselves and our families. Social networking sites are of the same kind. They can be bad if a predator opens an account, but can be good if a society such as the 'Purple Heart' starts connecting to users and raises more money to help people in need. Social networking is also providing a helping hand in businesses and to those consumers who purchase their products and services. Businesses get better visibility and consumer relationships, while consumers get more interaction and transparency of the people they buy from.

In closing...it's not whether or not Social Networking sites have had a positive or negative impact on our society, whether they are worthless or not...because if a person decides to become addicted to these types of places, it is THEIR decision and most likely the result of something NO ONE LIKES TO TALK ABOUT.....

Every coin has two sides. If you introduce ANYTHING new to our society nowadays...there will always be group of people who will use it or misuse it.

Priyanka Kochhar
MCA 2nd Year

Technology Hints for 2011

In the modern life with technology, it is never too late to protect your personal data, privacy and security. There are some New Year's technology tips which will help you not to worry with 2011 technology. For significant data, you need backups of backups. It means that you should have multiple copies of your backup data and store them in many places. For insatance, firstly, one copy of your backup data is stored in a desktop with two terabyte (TB) Hard disk drives which cost around $80 with a USB 3.0 external enclosure. For this capacity you can backup all the data in your personal computer daily. Secondly, you can use online backup services such as Mozy, Carbonite, Backblaze, Amazon S3, iDrive, Norton Online Backup, and SOS Online Backup which are the most highly rated services. Most of these services are called "set it and forget it". These services run continuously in background to backup your data.

Nowadays, social networking websites like Facebook, MySpace, Twitter, or Bebo are becoming more popular. In these websites, people share their personal information and even photographs without setting the privacy which determine who can see or cannot see their personal profiles. Many social networking websites are designed so that one's information can be searched easily by searching through search engines such as Google, yahoo....etc. The tip for protecting your privacy is to login in your social networking sites and then determine your privacy setting. For example in Facebook, click on Accounts menu, select Privacy Settings, and then configure your account.

A recent study has shown that most people use the same password for everything. Those passwords are not secure. According to the research conducted by RockYou.com, most of the commonly used passwords are "123456", "password" and "iloveyou". Passwords are extremely important because it can protect one's financial data, credit cards, banking account...etc from the hackers. So, one should be serious with their password security. Many browsers grant "Remembering Passwords Option" which should be ignored.

"Phishing" refers to the practice of trying to get your account information, personal identifying information, or anything else that scammers can use to gain access to your money. It attacks in all possible ways such as by sending you an email by acting as legal financial institutes or official agencies and trying to convince you to log on to your account or ask for personal information. Moreover, phishing can be executable applications in case you install it in your computer it can extract account information or steal other important information. Thus, the tip to overcome the online fraudsters is not to respond to any external request which require you to log on to your bank account or grant your bank account information verbally or by email. Additionally, make sure your antivirus is up to date and full-featured. Moreover, your data should be encrypted properly by using some standard application like BitLocker or open source application like TrueCrypt.

Reference:

Jay Dougherty, 2011, Technology resolutions for 2011

http://www.ciol.com/Technology/Mobility/News-Reports/Technology-resolutions-for-2011/145350/0/

Kim Sokphyrum

MCA 2nd Year

Another Telecom Scam?

On a beautiful morning, I received a text message from my mobile subscriber 'Standard SMS Tariff shall apply for all Local/National/International SMS on New Year (31.12.2010 and 01.01.2010)'. . These days are marked as black out days by the telecom companies. I had taken a 30 days SMS subscription pack for my connection whose validity was expiring after the New Year. I called up customer care to confirm the validity of the pack and after minutes of struggle with various options and inputs, finally chump on the other side told me the same. My mind started quizzing me that if I have paid for 30 days subscription, why I am getting benefit of 28 days? If the companies wish to celebrate black out days on the festive days why they have taken full amount for the subscription of that month on which these days fall? Why I pay the amount for that day moratorium which charges me standard Tariff? Considering 700 million mobile users in India which is now beyond that and considering only 10 percent of the users use these packs and considering the average charge to avail free SMS is Re 1, on an average this amounts to 70000000. Normally number of such days are 5 in a year so this amounts to 70000000*5 which is 350 million. And when I multiply this amount with the number of years since this practice started, my old age calculator refuses to provide me an answer. Since the number of subscribers of these packs are not known anywhere except possibly to TRAI even if we consider only 1 percent users, the amount is substantial. But who should be held responsible for not giving attention to this? Telecom Minister, TRAI, DOT , Telecom companies? It is completely understandable on the company's part not to provide free SMS on a voluminous day in terms of SMS but it seems pretty logical that they either should refund the amount charged or extend the validity by the number of black days on that month. I think we don't need a JPC for this but a intellectual person either in the Ministry , DOT or TRAI who should be veteran in handling these tactics used by the telecom companies to increase their revenues on their festive days and for people's black (out) days.

Puneet Sardana
MCA 2nd Year

WANT TO EARN Rs 5000 A DAY?

We all know the Internet is growing each day, connecting more and more people as it grows. As information is added and made available, people of all ages and every sphere of life are learning to harness the power of the Internet for knowledge, help in specific areas, connectivity with friends and lot more.

Every time we want to access information we opt for search engines like Google and Yahoo, even as the hundred and thousand of result thrown up by these search engines swamp us, or connect with friends via social networking sites like Facebook, Orkut or MySpace. We are dazzled by the attractive colours, marquee tags, and ability to use smileys to express our emotions.

But even as websites become more attractive, irresistible and informative, most sites are created without regard to people with disabilities, making it more and more difficult for them to access and make the optimum use of the power of Internet.

It has been estimated that the world population is 6.8 billion and out of that 650 million are people with disablities.

Though some programmers have taken up this issue and developed some softwares such as Braille keytops, screen reader, text explaining visual to facilitate the use of the Internet by all, they are unable to completely remove the barriers as their present solutions are unable to keep in pace with the innovative features which are being added to the Internet every day.

If we were to chose between two websites to put out a piece of information— one with attractive layout and colourful images and text, and animated marquee tags which are not accessible by the technology which our brothers and sisters with special needs have, or a website which is accessible by everyone, which one would you chose ?

Now the solution is up to us, the common people and techno geeks, whether we will be working our way to the future and bring down the barrier or ignore the 650 million people who are unable to access their needs because of our ignorance. Are we going to leave our brothers and sisters behind while we run a mad race towards the future? Are we not going to share the power of technology that we have harnessed....?

Why don't we build a future keeping in mind what we would do if Stephen Hawking or Helen Keller were to depend on our work.

By the way, the caption "Want to earn Rs 5000 a day...?" was just to get your attention!
-KEVICHUTUO BELHO

Jhon Patrix
MCA 1st Year

हकीकत

बिक गया है ये देश, रह गये इसके सपने अधूरे,
जाने कौन कब कैसे अब इसे सुधारे ।

कहने को ये भारत वर्ष है, है तो अपना ही देश,
पर पल-पल धोखा देते इसे हम, बदलकर अपने अपने भेष ।

आतंक जब फैल रहा था कश्मीर में ,
बहाये थे लहू जब अपने ही वीरों ने,
लगी थी गोलीयाँ जब इनके सीनो में,
तब हम, तब हम निडर बैठे थें अपने घरो में ।

सोचा था,
न टूटेंगे कभी घर हमारे
रहना न होगा कभी हमे दूसरों के सहारे ।

पर समय ने आखिरकार हमें भी ललकारा
मुंबई दिल्ली में आतंक ने अपना झंडा गाड़ा ।
नजाने कितने बसे घरों का छूटा सहारा,
तब भी न समझ पाए हम वक्त का इशारा ।

इस देश का कुछ नही हो सकता, कहते हैं हम अक्सर बातों में,
निर्दोषी बन हम इस तरह खो गए जाने किन सन्नाटों में ।

अरे,
लोग अपने हैं,
समाज अपना है,
सरकार अपनी है,
देश अपना है ।

फिर क्यों, फिर क्यों
बंधे हैं हमारे हाथ,
रुके हैं हमारे कदम,
सिले हैं हमारे होंठ
और साँसो में है न कोई दम ।

"If A equals success, then the formula is A equals X plus Y and Z, with X being work, Y play, and Z keeping your mouth shut."

-Albert Einstein

हकीकत...

आतंक को संसार से मिटाना होगा,
हिन्दू मुस्लिम का भेद हमें ही मिटाना होगा,
जिन फरिश्तों के बल आजादी मिली है हमें
उनके सपनों को हमें डूबने से बचाना होगा ।

आरती सेठिया,
MSC 2nd Year,

"Successful people are successful because they form the habits of doing those things that failures don't like to do."

-Albert Gray

Changing Days!

Getting up as per mood, taking extra time for each chore.
Waking up early in morning, getting ready in a hurry!

Meeting friends daily, spending time in nonsense chit-chat, repeated talks.
Calling up and messaging buddies, no more face-to-face talks!

Boarding crowded metro with them for commuting daily to college.
Going by company bus, whose comfort can't replace my pillow in morning!

Minors me masti, classroom games were fun.
Working under someone, following their rules might have none!

Walking so much with friends daily, no worry about the distance traveled.
Traveling a big distance to sit in front of the same pc everyday!

Long lasting chats with family and friends without worrying about time.
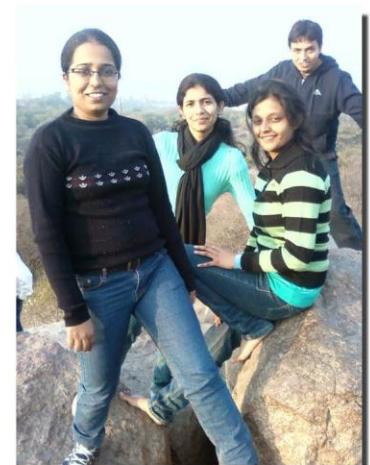Looking at the clock again and again after getting back!

Staying awake till late at night, no worry about the next morning alarm.
Reaching back from office, counting each hour before going to sleep!

And it's a loop (cld't resist my cs instincts here!! :P :P)

Pallavi Nanda
MCA 3rd Year

This is, LIFE

Life, an amalgam of tears and smiles,
changing directions miles after miles.

Each one of us goes through different phases,
sometimes pulled down or experience praises.

It gifts us various opportunities,
making us test our abillities.

Depth, in every situation resides,
Unveils the lesson, when the future reminds.

Days and Nights always appear,
Longer nights leave in despair.

The more you creep in, the more it rewinds,
The more you keep loose the more it unwinds.

Mystery, though it always maintains,
Lets us walk through different terrains.

So live like a river, go with the flow.
And there will come a day, you reach the shore.

Always keep the hope alive,
because it will only make you drive.

Yashu Ahuja
M.Sc 1st year

"The world's most sensible person and the biggest idiot both stay within us. The worst part is, you can't even tell who is who."
— Chetan Bhagat

LIFE IN DUCS -Through the eyes of a freshman

The journey began in July 2010. Having secured admission in MSc Computer Science, I was on seventh heaven considering the fact that I had got the opportunity to study from one of the prestigious Universities of Computer Science in our country. An ordinary student with dreams of a bright future in my pocket, I was excited about my first day in college. It started with the Orientation session where we got to know about our course, the teachers and what lied ahead of us. I had quite a good first impression about the college. Soon, the teachers left and guess what- some students entered the seminar room and told us to stay in. As soon as I got to know that they were our seniors, horrendous images of ragging went through my find. But to my surprise, they were not interested in ragging us. Rather, they started telling us about the department and its culture. One word that all of them used in every second sentence was DUCS. I wondered what the entire hullabaloo about this word was. I had thought that just like other colleges, this would be the same. In the months to come, I was to find the true meaning of DUCS myself.

That day, we had a healthy introduction session where we got to know each other a little. And by the end of it, we had got our first assignment (or task as they like to call it) at DUCS. It was to find out the names of all our seniors without asking them. Trust me, it wasn't that easy. But our lovely social network FB came in handy here. The tasks grew from day to day and we were actually having fun doing them.

In the meantime, studies had begun in full swing and we had started getting subject assignments. They were of really good level. But with the guidance of our brilliant teachers and a little help from the seniors, we were able to finish them on time.

Saturdays were amazing fun. What I found out in the weeks to come was a different culture that is followed at DUCS. When all other colleges are closed in search of a break after their hectic week, we DUCSiites get involved in innovative and creative activities. A chunk of people from our recent alumni visit the campus and share their experiences with us. They help us in understanding the current scenario of the industry and guide us towards a better future. Various games are played and a sense of togetherness is celebrated. On one such weekend, we had an informal alumni meet where some of our alumni came. We, juniors, had prepared a few skits which received applause from one and all. Not to forget the chocolates that our alumni gave us. This is a DUCS tradition (and a nice one) whereby it is a compulsion for seniors to pamper their juniors.

Soon, our first minor exams arrived and the bad news was that we had to give five exams in just 3 days!!! Never in our lives had we faced such a situation. At that point of time, it was the worst thing that could have happened to us. But now when I sit back and think, I realize that

9

"Just because something doesn't do what you planned it to do doesn't mean it's useless."

-Thomas A. Edison

LIFE IN DUCS -Through the eyes of a freshman...

it was a good thing. These challenges will make us better equipped to face future hurdles at the workplace.

The most exciting day for any junior, is undoubtedly, the Fresher's Party. And this year the theme was "BACK TO BACHPAN". The seminar room had turned from a boring lecture hall into a kindergarten in just a day. For a day, we had shed all our inhibitions and transformed into small kids with bottles hung around our necks and toys in our hands. It was superbly organized by our seniors. This day would always be cherished in our lives.

We, at DUCS, celebrate all festivals with pomp and show, be it Diwali, Lohri or Holi. At the same time, we are very serious about our studies. We have an excellent faculty at DUCS that helps us in setting benchmarks of success. The importance of teamwork is another thing we have learnt at DUCS, be it working on MATLAB assignments, the mini-DBMS implementation or the recent WEKA projects. Listening to teammates and incorporating all ideas into one project is a thing that would help all of us in our future endeavours in our professional career.

DUCSiites are the dominant forces in the technical fests of other universities as well. Year after year, it is the students of DUCS who notch up the top prizes in various fests. This shows the never ending talent in DUCSiites. Time is money for us. Even during the vacations, many of us engage in projects under the teachers of the department.

The true meaning of DUCS, which I did not know on my first day here, is now in front of me. DUCS is one big family. The teachers are our mentors. The seniors, who have become more than friends to us, are our guiding angels. We take each day as it comes. We face all the challenges together. Our attitude of professionalism towards studies, coupled with the bond we share with each other and the desire to reach the zenith of success, is what sets us apart from the students of other colleges. By the time you read this, our annual technical festival SANKALAN 2011 would be over, but I can surely predict that it would be a great show setting new benchmarks of success in all spheres. At the end, I would say that I am extremely proud to be a DUCSiite and will remain so forever.

Sumit Sharma
MSc. 1st Year

मै पंछी बनकर उड़ना चाहती हूँ।

मै पंछी बनकर उड़ना चाहती हूँ।
खुले आकाश में सांस लेना चाहती हूँ।
उन बंदिशो को तोड़कर, बंद दरवाजो से बाहर निकलना चाहती हूँ।
वो कहते हैं मेरा उड़ना अच्छी बात नही,
मै कहती हूँ मेरे अरमानो को मत रोको मै पतंग की तरह आसमान मे लहरना चाहती हूँ।
मै पंछी बनकर........
खुले आकाश ....

वो रस्मो रिवाजों में बांधकर मुझे रोकना चाहते हैं।
वो कहते हैं समाज इसकी इज़ाज़त नहीं देता,
मैं उस समाज से एक सवाल करना चाहती हूँ।
ये रस्म-रिवाज़ सिर्फ मेरे लिये ही क्यों हैं ?
मैं भी तुम्हारी तरह इन रस्मो रिवाज़ो से आजाद होना चाहती हूँ।
मै पंछी बनकर........
खुले आकाश ....

वो कहते हैं तुम हमारी नहीं, तो मैं कहां से आई हूँ ?
मै अपनी जिन्दगी को सिर्फ एक बार जीना चाहती हूँ।
मैंने एक सपना देखा है, मैं उस सपने को साकार करना चाहती हूँ।
इन खुली हवाओ में मै अपना अस्तित्व तराशना चाहती हूँ।
मै पंछी बनकर........
खुले आकाश ....

मेघा गान्धे
MCA 2nd Year

Independence Day

This zeal should never die this feel should never die,
The feeling of being an Indian will always make you high.

This is not just about 26 January or 15 august,
Every-day every-minute every-second the feeling of being an Indian is the must.

Whether it be day or it be night,
The time till we are united the nations future is bright.

Rajguru Sukhdev Bhagat Singh did their jobs fine,
Now the duty to save our country from these diseases is yours and mine.

Wheather you wear a saffron or you wear a green,
You should never forget what our tri-colour mean.

Its not just about hosting the flag or flying kites,
Its about the fact what efforts you make to take the country heights.

Throw away your negative thoughts forgive your enemies away,
As this is the best way how you can celebrate this Independence Day.

Apoorve Mohan
M.Sc. 2nd Year

"Be a yardstick of quality. Some people aren't used to an environment where excellence is expected."

-Steve Jobs

Technology on a Roll

We often heard that

"Necessity is the mother of invention" but as we are getting advance in terms of technology, don't you think this saying has lost its meaning seeing the current scenario, it won't be wrong to say that

"It is human desire to explore that leads to invention".

We have witnessed a tremendous growth in terms of technology and intellectual capabilities. Life is becoming easier and easier in terms of technology. Even I think that we should not be worried about the extinction of human race at all [which is not supposed to happen in near future] since robots will take their place. Growth in the field of artificial intelligence had made plastic to stand neck-to-neck with human mind.

We are getting sharper in every field whether it is networking communication; we have just transformed a simple calculator (Abacus) to a complicated, motion sensitive doing almost everything [Smart PC technology].

It has touched almost every field.

In terms of entertainment, picture quality has become finer day-by-day that we cannot make out a distinction whether we are watching a video or seeing things taking place in real. Graphics, special effects have become so advanced that we often feel as Alice would have felt in wonderland.

Technology has taken us the ultimate frontier or do we need to say that

"Ultimate Frontier is Yet to be Established"

Who Knows?

Neelam Gupta
MCA 2nd Year

"Design is not just what it looks like and feels like. Design is how it works."
- Steve Jobs

SUDOKU I

8	6			2				
			7				5	9
				6		8		
	4							
		5	3					7
	2					6		
		7	5		9			

Seema Singh
MCA 2nd Year