

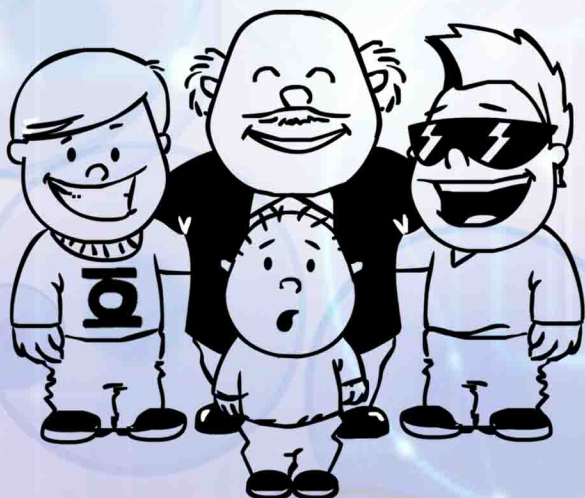


Vol.:2^o Nov.2012

Abhishar

Introducing

"Friends Fun & Dreams"



Interview with

Ed Nair

Editor, Dataquest

Himanshu Goyal

Countryhead, IBM

A S Rao

Advisor, DSIR

TEAM PATRON

Prof. S.G. Deshmukh, Director, ABV-IIITM
Mr. Sanjay Bhatnagar, Registrar, ABV-IIITM

EDITORIAL

Dr. Joydip Dhar (Faculty Incharge)
Payal Anand (Student, IPG 2009)

FEATURED WRITERS

Kunal Kapoor (IPG 2004)
Rahul Kala (IPG 2005)
Avijit Gupta (IPG 2006)
Lavish Pagaria (IPG 2007)
Mahesh Machavolu (IPG 2007)
Shruti Mishra (MBA 2010)
Piyush Singhal (IPG 2007)
Divyanshu Ranjan (IPG 2007)
Vaibhav Sharma (IPG 2007)

FROM THE EDITOR'S DESK

Looking back into the past, after a year of endeavour, it feels as if ABHISHAR was incarnated to spread the knowledge, which perhaps our late talented friends would have imparted. To remind our readers, ABHISHAR started with the motto to keep our friends, Late Mr. Tushar Sharma and Late Mr. Abhinav Saxena, alive amongst us.

Once again Abhishar is all set to entertain, enlighten and provide its readers with all sorts of fun and understanding in its new and fresh, second edition. With vibrant thoughts of intellectuals of IITM in the campus and across the institute boundaries, stars of their respective fields, our super-star alumni, we are ready with different colours of college life and career.

The stories and thoughts being published in the second edition range from analytic reviews on markets and ad-lines to funny incidences on one side and from students' memorable experiences to interviews of eminent personalities like The Senior Editor- Dataquest and Global Service and the head of IBM. There are excellent inputs about latest technologies, tips on career and of course lessons of life from our alumni.

In this edition Abhishar introduces its mascots, ABHISHAR and his friends, your new friends & career mentors.

Keeping it simple, with all the efforts and hard work, I on the behalf of my team present you the "ABHISHAR, Volume 2". Signing off with the hope our new edition comes up to your expectations and satisfies your hunger to read good write-ups.

Payal Anand
Editor-In-Chief

Director's Note

Greetings and felicitations on the occasion of releasing the second edition of Abhisar. You have been instrumental in making peer-to-peer learning possible and enjoyable to the student community of ABV-IIITM. In the process, the skill enhancement and knowledge gain process has assumed professional heights true to the spirit of AASF. We are proud to have such a forum in the institute. I wish you all the very best for your endeavor for your magazine 'Abhisar' and appreciate your tremendous contribution in making a learning fraternity. Wish you success.

Prof. S.G.Deshmukh
Director, ABV-IIITM

Registrar's Note

I am glad to know that AASF is continuing its trend of good work at peer level by bringing out Abhisar 2.0. Abhisar offers students an opportunity to learn, improve & evolve their writing skills and add to the efforts in comprehension communication. I wish AASF Abhisar 2.0 a successful journey.

Mr., Sanjay Bhatnagar
Registrar, ABV-IIITM



FACULTY'S SPEAK

I extend all my warm wishes for the success of the students' magazine. It will provide a peep into the thoughts, and minds of the students. It is a platform for knowledge sharing and information about the past, present and future activities in our institute campus. I wish all the success to 'Abhishar'.

Dr. Joydip Dhar

*Associate Professor, ABV IITM
(Faculty Editor In Chief)*

I am happy that Abhishar has entered into the second year. Though the beginning, i.e., the first issue itself, was very impressive, I am sure this second issue will be better on account of, now, more experienced editorial board. I pray to GOD that this humble beginning grows to the height of Everest.

Thanks & Regards,

Dr. Pramod Kumar Singh

Associate Professor, ABV IITM

Abhigyan Abhikaushalam Students' Forum come up to you with its second volume of magazine "ABHISHAR".

Abhishar is the annual students' magazine of ABV-IITM published under AASF. The magazine is an apposite concoction of LifeStyle, Technology and Institute talks. We launch Abhishar with a purposeful effort to keep alive our late friends Abhinav & Tushar who left us for the heavenly abode on November 20th, 2011, Sunday.

Dr. Ritu Tiwari

Associate Professor, ABV IITM

I am happy that, "Abhishar", the biblio-podium is in its second episode providing another opportunity to articulate the young minds' perception and experiences. I wish the entire editorial team and the contributors to keep marching towards the endless journey of Abhishar.

Dr. K K Pattanaik

Assistant Professor, ABV IITM

ABOUT AASF and EVENTS

AASF aims to inculcate in the students the spirit of excellence in every field. Innovation of ideas is an integral part of the forum. With peer to peer learning methodology, the forum has been laboriously engaged in organizing activities like hIQs as they act as a catalyst to evolve and nurture knowledge and know how. Forum activities and events can be divided in mainly three sections i.e. technical, managerial and literary sections. The events/contests under these sections are as follow:

Technical section :

- Windows basics, Linux- Operating system fundamentals and hardware information.
- MS Office- Working knowledge of all MS Office modules i.e. MS Word, MS PowerPoint, MS Excel, MS Access.
- Photoshop - Basics about all creative tools and working environment.
- Adobe Flash – Ideas about motion tools and creation of motions.
- hIQs on programming basics - C, C++ week, java week , python, .NET week
- Networking – Information about networking modes and importance.
- Web designing week - All fundamentals and advanced knowledge about website building and About all building parts i.e. html, php, sql, JavaScript, css.
- Ethical Hacking – basic ideas to be in safe computer system environment.
- Contests - Programming contests
 - Webkriti (website designing contest) - Debugging Contest
 - Akriti(Photoshop contest) - Overnight Software Contest
- Quizzes - Sports Quiz
 - Bitz Quiz

Managerial section:

- Case study hIQ - Managerial concepts to handle stories which present realistic, complex, and Contextually rich situations that often involve a dilemma, conflict.
- Case study contest- To improve the ability to explore the real problems and innovate skills to solve them.
- Brand aid contest- Advertisement making contest that shows the creativity and intelligence .

Literary section:

- Jam(jest a minute) – In this event, participants have to speak on a topic without repetition, hesitation, or deviation. Speakers are "challenged" by their opponents when they slip up. If the challenge is successful, the challenger gets the chance to speak on the same topic. The fun of this game lies in the fact that the speaker has to "speak without thinking".
- Debate- Develops knowledge, opinions and makes one think of all aspects of a matter.
- Extempore - On spot speech preparation relevant to the topic , memorization and speaking.

**Events
Under
AASF**



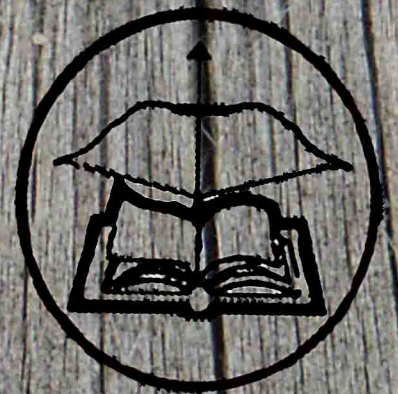
'HIQs'



'Contests'



'Workshops'





A friend in need –how we performed the toughest Windows 7 installation ever....

Gaurav Ojha

We had been trying to install just any operating system possible on Sanjeev's Sony VAIO since yesterday. The issue was severe. It all began with Windows Consumer preview...

I had installed Windows Consumer Preview on Innov, just a few hours ago, and Sanjeev wanted it to be installed on his Sony VAIO too. We began with the usual booting up using a DVD medium of installation. The disc booted properly and reached till the installation stage. After entering the product key, I formatted the 132 GB partition, and proceeded with the usual installation process..

Copying files...

Expanding files 9%...

That was the last line that included a number that we could see.

Once it reached 9%, the DVD would stop spinning and so would the installation. After several failed attempts we had no option but to switch back to Windows 7, as we believed the DVD was faulty. I had got that DVD, as a blank disc, from Deepak, and

it was the last one he had!

Windows 7 DVD failed to even reach the boot stage, and every time it went for booting with the Hard Disk, there was no boot sector.

Our problem intensified as even Linux CDs failed to boot up. We had exams the next day and Sanjeev needed his laptop for studying – at least that is what we do with laptops just a day before exams and, sometimes, even a few hours! I tried booting with a pen drive, but it failed even more miserably! Network booting was an option, but I was too noob to even think of it (or was I?!). I changed the priority of booting devices several times, but things won't just work out with this device.

I had no option but to let Sanjeev try working with Vostrika instead. The next day, we went straight to the market to get new DVDs. We were confident that it was a fault with the installation media. Once we came back, we got a new disc burned and performed another round of installation. Alas! that contained a, probably,

Same thing happened – the laptop won't boot with any other DVD other than the one faulty copy of Windows Consumer Preview.

This was bad. The laptop had no warranty. Getting it checked meant about a thousand bucks, plus if any issues are found, which the service guys desperately try to find and even create sometimes, it would cost more.

I had something else in mind – why not keep this money at stake, and try something else instead.

It was risky. I wanted to remove the hard drive from his laptop, connect it with Innov, and perform the Windows installation. After that I would put his hard disk back in place. This idea seemed to be fool-proof.

I unscrewed the cover and removed the 320 GB Hitachi hard drive. 'Innov wouldn't mind helping a friend in need', I thought.

I detached both internal hard drives and attached his Hitachi hard drive to Innov

using a SATA cable and performed Windows 7 Ultimate x64 installation. When the installation was complete and I could see the desktop, I shut down the computer, detached disk and put it back inside that freak VAIO! With fingers crossed, and praying to the God of laptops (if he existed), we pushed the power button on the Vaio. But it was a VAIO after all...no respite! The laptop would boot, and even before the Windows logo showed up, it would restart. This happened several times.



In the evening, I decided to try another installation round with Innov. I knew that Windows 7 restarts only once while installation so that the whole process is divided into two halves. During the first half, files are copied into the system and basic features are installed. In the second half, after restarting, Windows detects hardware and installs necessary drivers.

What bugged the VAIO was the fact that it had very specific hardware. It conflicted with the previous Windows installation on Innov which has very generic hardware. So, as a cure – the first half of the installation had to be done with Innov, and the second half inside the freaked-up VAIO. As a matter of fact, the DVD media isn't required during the second half as the neces-

sary files are already copied into the system during the first half. To our expectations, the installation completed and the VAIO was up and working. Now I understand why they put so much money into VAIO – to let computer engineers become useful ;) For Innov – a friend in need is a friend indeed! A big thanks and a party followed the re-birth of VAIO...❖

Technical Details:

Innov	Vostrika	Freak VAIO
Intel Core 2 Duo E7500 @ 2.93 GHz on Gigabyte G41 Combo, 2 x 2 GB DDR3, 160 GB WD (HFS + ext4) + 500 GB Seagate (NTFS) + 1 TB Seagate (NTFS)	Intel Core i5 2430M, 1 x 4 GB DDR3, Intel HD 3000, 500 GB Seagate, 14.1-inch LED Display	Intel Core i3 350M, 1 x 4 GB DDR3, 1 GB ATI Radeon, 500 GB Seagate, 15.6-inch LCD Display

Gaurav is absolutely in love with Innov (his two year old assembled desktop computer) and Vostrika (his one year old Dell Vostro 1450 laptop). He blogs at www.geektalesbygauravojha.blogspot.in



Reminiscence

Kunal Kapoor, (Alumni, IPG 2004)

Hey we have a class at 6:00 A.M.". For most of you this may sound that I am writing in an inebriated state but I have my sanity intact and I have my sanity intact and I am talking about IIITM Gwalior. At that time my batch mates literally fell out of their chairs but these are the kind of memories that you tend to carry along.

When I was asked to reminisce about my five years at the institute my first reaction was what should I scribble down? There is nothing sort of 'my experience'; it's all woven around the people with whom I spent those five years. But the first thing I realized was our proclivity towards acronyms be it 'AB' or the jewel of our batch's ingenuity - 'PMC'. One of our common expression - 'Where have we landed?' on seeing the campus for the first time. All of us were more concerned about how to survive the 5 years at the campus rather than academics. It was the same with me as well. Even my happiness from not having to study chemistry anymore wasn't enough to console me.

Time literally flew and we found more 'interesting' things to engage ourselves. It became a norm to be wel-

comed by the sounds of AOE in the mornings which were replaced by religious songs only during examinations. AOE was also the main reason that the whole B.H. - 1 was connected by LAN with maze of wires running everywhere. Most of the times the best way to take revenge was to power off the LAN switch in the middle of an AOE game. After AOE and CS food was the most important thing and for that hostel mess the least important. It was a norm to scout for a person going to ICH and that unfortunate person used to end up with orders of 5-10 biryanis to be brought back to campus. I can vouch for the fact that opening of McD in Gwalior was the happiest moment for our whole batch. With so much focus on food it was important to be physically active. Birthdays used to provide us with ample opportunities to do so with everyone practicing a different form of karate on the lucky person. Most of us became more health conscious in the last year and it became a norm to go for a walk at a stipulated time after dinner to PMC, for the uninitiated PMC is the circle at the entrance, and linger around with no 'apparent'

reason but full focus on the road leading to GH. I was unfortunate to be a part of only a couple of them as most of the time I was chasing my friends to return my bike so that I could go out. Fooling around and leg-pulling was the norm but the friendship that we developed in those 5 years will stay for the lifetime.

In the end I would only say that most of us didn't even realize how days became months and then years and the 5 years were over. I guess if it is very tough to recollect how the time flew then it must have been well spent which was truly the case with us. Be it the early morning drive to the fort or late night ride to 'Rituraj' for dinner. Academics and CGPA also matter but when you meet your batch mates after graduation it is only the memories of experience shared with them that matters. I can only hope that most of you have your baggage of memories ready by the time you graduate, till then enjoy the experience at IIITM-G. ❖

Mr. Kunal Kapoor (2004IPG-36) after working with Amdocs for a period of three year, know he is pursuing PGDM from IIM, Calcutta. He was Server admin during 2006-2008.



The Irony of Being Original

Shruti Mishra (Alumni, MBA-2010)

This time when I sit to pen down an article for AASF, I am clueless about what to write. I am facing a dilemma of whether to write an article with all global gyaan or to write a light piece which form a good read over a nice, warm cuppa. After much deliberation, I decided to stick with the latter as it is not only relatively difficult but I, myself had never been a follower of heavy duty jargon. A jocular column on Mamta Banerjee would any day interest me more than a morbid relativity theory (Pun intended).

Recently, I read about the nomination of "Barfi" for the Oscars in the foreign language film category. What I failed to understand was the reason behind it. This nomination brings a déjà vu to the year 2008, when Vidhu Vinod Chopra's "Eklavya : The Royal Guard" was nominated for Oscars (Best Foreign Film category for the year 2007), leaving its much successful competitors, "Chak De India", "Gandhi My Father" and "Guru" to fend for themselves with colossal box office returns and bag full of recognition at the rest of the award festivals. The question there was the same – "What makes you nominate a movie

like this for a prestigious global platform like Oscars?" Just like the government completes its 5 year tenure of hollow promises and comes to stage with another set of cynical commitments, We send "Barfi" to the much coveted global platform without even batting an eyelid. The movie from its inception to the end is a mere amalgamation of various Hollywood classics put together, marinated and cooked in Indian spices and served to the world on a platter of "India's official entry for the Best Foreign Language Film nomination for the 85th Academy Awards, February 2013." The script, inspired from 'Benny & Joon' - a film about a mentally ill girl finding love in an eccentric man, countless number of scenes taken from the legendary Charlie Chaplin's.

Adventurer (1917), City Lights (1931), Jackie Chan's Project A (1983) to name a few. And if that wasn't enough, our king of plagiarism, Preetam composes the theme song of the movie, with the inspiration from Yann Tiersen's French comedy, Amelie (2001). Quite a work Mr. Basu! Such hard work and incessant efforts do yield results and also bring to light

the "secret formula" of what-it-takes-to-be-a-wannabe-oscarian. Kudos!

This will leave critically acclaimed movies like "Paan Singh Tomar", "Kahaani" and "Gangs of Wasseypur" to repeat what history has taught, i.e. look for the greener pastures in the other film festivals and awards tally. Though they will continue to gain appreciation from the genuine art lovers, yet the road to the Oscars is miles away. In a world where a fake Gucci, Prada and Louis Vuitton sell more than the total number of original manufactured pieces put together, it is like a 'Paradise Lost' to expect something unique and creative to get an applause, leave aside recognition. Such is an irony of being original. ❖



Campus 2 Corporate

Vaibhav Sharma, (Alumni, IPG-2007)

Believe it or not, you are a negotiator. Everyone negotiates something every day. Sometimes we negotiate with ourselves on different positions or sometimes we negotiate with others in order to gain the position. People negotiate even when they don't think themselves as doing so. Negotiation is a basic means of getting what you want from others. Everyone wants to participate in decision making activity; fewer accept the decision dictated by someone else. It's not only in personal life that we reach to a decision through negotiation, this happens at every juncture whether government, business or family.

Although negotiation happens every day but it is not so easy. Sometimes people use strategies to negotiate that leave people worn out, dissatisfied or alienated and frequently all three. Now when I say that we are involved in negotiation in some way or other, which means we are selling something by which we want to gain position. And thus it is a sales process. Precisely, I am writing this article for the students who are all set to join corporate soon. But this can also be used in day to day life and in the long

run. There is always a gap between campus and corporate which needs to be bridged anyhow. This gap can either be bridged by the faculties or students or corporate. If faculties or students are doing the job, we call it lead generation. This means you are trying to create the opportunity in suspect. There are several ways by which you can do so; Cold and Hot Calls, Marketing and promotional campaigns to name a few. I am not driving in to details of the ways. But ideally, initiation of the lead generation process should come from students because the sooner they learn, the better they will fit in to corporate. The third situation is when the prospect walks to you for solutions, this is fairly easy. This means opportunity is knocking your door. And we call it a qualified lead.

Now once the suspect is identified and converted into prospect, the real sales process starts. In corporate we propose solution that fit in to customer business, we gather requirements, do gap fit analysis, design the solution, design the prototype and show the demo. Then we do negotiations over price, resources, deadlines and

budgets. And finally the deal is in pocket. Mind you this is not the end, now the project has to start, resources have to be deployed, finish in deadlines so that we can generate more business from the same prospect. We call it farming activity. Thus it is a long process. Sorry to take you on a long drive, but this will help you to win. Let me tell you how you can convert a suspect into a prospect. You need to be smart enough (which you are already) to do that. Do the research about the business of your suspect, understand the business cycle operations, how they reach the margin and strategies followed by them. Try to gather the information from various sources about the current news and events. By doing so you have almost prepared yourself to be the part of the company. Trust me, you now understand where you need to create the opportunity in suspect to turn in to a prospect. Rest the prospect is yours, use it the way you want it. If the prospect is walking to you which is fairly a simple case, he will walk to you with requirements. Your job is now comparably simple as you already know the requirements and you can propose the

solution. Customers are always smarter than sellers, they know what they want, if you don't provide them, they will walk away. For this you need to be empathic, put yourself into your customer's shoes. Try to understand the requirements thoroughly. Do the iterative research of the business which your customer is into. You will get the clear picture what you need to purpose. To be very simple and frank prepare yourself to get placed. Now you are ready to join onboard. The negotiation starts on the other side of the table in two ways.

First is the testing of your domain knowledge which you have gathered by understanding business. Second are your etiquettes to drive the business in a professional and ethical manner. Be cautious while you are into negotiation mode. Negotiation are of two types hard and soft. The third one is both hard and soft. This is called principled negotiation, which developed at Harvard Negotiation Project. Thus you need to be both hard and soft at the same time hard internally and soft externally.

It is important to develop the professional attitude and etiquettes before you are set to join. Remember the following, Separate the people from problem; Focus on interests not positions; Invent options for mutual gain; Insist on using objective criteria. I am writing in crisp but you can always discuss with me in detail. ❖

Vaibhav Sharma

(2007IPG-76) is working for Wipro, Gurgaon. He was popular with the name Jovi among his friends. Whenever we worked with him is pretty professional in his work. He was founder member of E-Cell.

Do You Know??

- 1) Eskimos use refrigerators to keep their food from freezing.
- 2) Did you know that the awesome sounding crack of a bullwhip in the air is a supersonic boom? The crack of the whip occurs when the sound barrier is broken.
- 3) Google is actually the common name for a number with a million zeros.
- 4) Chewing gum while peeling onions will keep you from crying
- 5) The very first version of Microsoft Office was released in 1989, not for Windows, but for the Apple Mac.
- 6) Only humans cry because of feelings. Awesome!
- 7) More people are killed from donkeys in a year than planes
- 8) Dead skin is the root cause of most of the dust in your house. That's Gross.
- 9) If an infant becomes blind soon after they're born they will still almost always see images in their dreams, but infants born with blindness will most likely never have dreams with images. People who were born blind do still have very emotionally intense dreams which include hearing, smells, feeling and taste. Now that's an interesting fact about dreams.

TWO PAGES ON 2

1

The 2nd iPod Touch which was released on September 9, 2008 has seen such popularity that it has flown off the shelves of stores and it seems as though things such as the 'Apps store' have become part of everyday conversation.

The Roman numeral II stands for bright giant in the Yerkes spectral classification scheme.

"Two turtle doves" is the gift on the second day of Christmas in the carol "The Twelve Days of Christmas".

2 is a good number in Chinese culture. There is a Chinese saying, "good things come in pairs".

Group 2 in the Periodic table of elements consists of the alkaline earth metals whose usual valence is +2.

The number of domino tilings of a 2×2 checkerboard is 2.

In Finland, 2 candles are lit on Independence Day. Putting them on the window sill invokes the symbolical meaning of division, and thus independence.

In Astrology, Taurus is the second sign of the Zodiac.

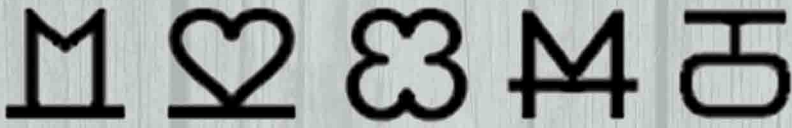
In Abhisar we have 2 Pages on importances of 2!

2 is the only number x such that the sum of the reciprocals of the powers of x equals itself.

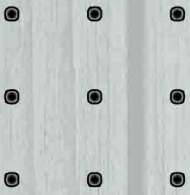
Any no can be represented as sum of powers of 2.

In religion, 2 is a number of divinity and the number of creation.

PUZZLES

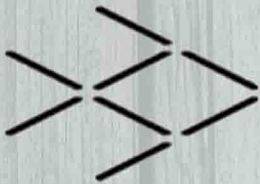


What is the next figure in this sequence?



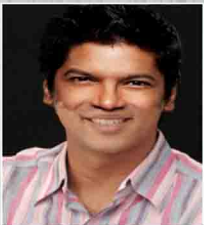
Connect these 9 dots with only 4 connected straight line segments. (Don't lift your pencil.)

Three wise men are lined up in single file, each wearing a white hat. They know there were 5 hats total, three white, and two black, but they can only see the hats on the men in front of them. They don't speak unless they figure out what color hat they have on. Who figures out first?



Point the fish the other way by moving only 3 sticks.

A father and his son are in a car crash. The father is killed instantly but the son is only injured and is taken to the hospital. He is rushed to the operating room, the doctor comes in, looks at the patient on the operating table, and says, "I can't operate on him, he's my son." How can this be?



Identify them?

Face 1 - He is a famous Musician

Face 2 - He is the CEO a Indian Start-up.

ANSWERS:

1. 1. look at the right side of the image.
2. 2.
3. 3.
4. 4.
5. 5. The doctor is his mother.
6. 6. Shaan, Bhavin Turakhia

3. Assume they are looking right in the order A, B, C. If A saw two black hats he would know he had white. If B saw one black and A didn't say anything, he would know he had white. But neither A nor B say anything because they only see white hats, so then C knows he must have white.



#GamingTaughtUs if you can't beat it cheat it ;)

Mudit Jaju

Breathing is heavy, vision blurry. Not much life left in me. Two more terrorists, one last effort. I devise the strategy: communicate to the men

...

Clockwork implementation: team diverts .. Panting, I break in and go to work ...

The bomb is DIFFUSED! YESSSSS!!! I jump in glee, punching the air. Few things compare to the thrill of a successful counter-terrorist operation.

I love playing computer games! At the touch of a button, I transform into a ruthless counter-terrorist or a marauding army general. In virtual world, I unleash my real self.

This article is inspired from a recent Twitter trend #GamingTaughtUs and reflects my views regarding games from the angle of a gamer as well as a game programmer.

Games have always been my source of inspiration. They are a portal for me to escape reality. And it's not just me but a lot of people feel the same way. Here are some of the tweets I liked: Gaming taught us –

• “How to be patient and

never give up!”

• “The greater the obstacle, the closer you are to winning the game”

• “That I should always load the gun when spooky music starts playing”

• “Never say die, and if you are about to die, restart”

• “That if you fail to cross the levels you can always try again. Well we can relate it to life “



I couldn't agree more. Treat life like a game! Keep playing till you level up and then play some more. If you can't complete a level alone seek expert advice or bring a Player 2 along; use walkthroughs and cheat codes; and if you still can't then restart before it is Game Over.

Games help in a lot of other ways as well. They teach us how to make quick decisions, how to multitask, and

simulate and comprehend things which we otherwise cannot in real life. Here are some games which I would advise you to play:

1. Tetris: Quick decisions, visualization, Logic, multitasking

2. Angry Birds (OR other Physics puzzles): Assumptions and physics related logic

3. Caesar 3 or Pharaoh (city building games): Management skills

4. Crayon Physics: Free-style physics game with multiple routes to victory. A must try!

5. Counter Strike: Team Building, synchronization and pure evil fun ;)

Gone are the days when games were thought to be a waste of time. They have a lot of benefits and can significantly help in simulating the brain. They dictate that no action performed can be pointless. Every step taken is with a target in mind. So too in real life, I strive to keep the bigger picture in mind.

Gaming breeds tenacity. Every failed strategy is a learning to be used when devising an alternate plan. This is perhaps the greatest learning I have derived from my 'virtual' self. ❖



What Language to Say “Hello World”

Divyanshu Ranjan, (Alumni, IPG-2007)

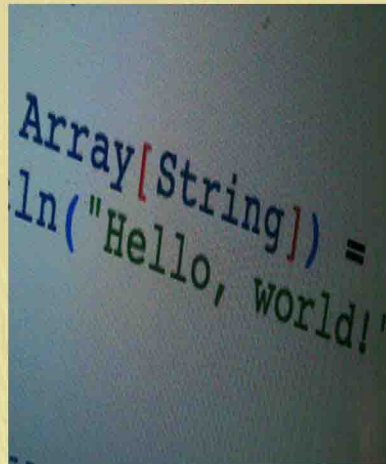
Having fair share of experimenting various languages, I am here to start another language war. Languages are important to express self to computers, those stupid machines. But one intelligent guy once said that “programs must be written for people to read, and only incidentally for machines to execute”. So languages are important for expressing burning computation procedure inside self to follow person =).

Choice of language for expressing that burning desire is like choice of a painter selecting a brush from various options available in front of him for the master stroke.

Here is a list of some beautiful brushes I happened to come across. If you know I coded in some other languages and have not listed here then they are just blunt tools and should be thrown away as soon as possible =).

C - This is a beautiful small language. Writing a code in this language is like operating at the heart of von Neumann architecture. Besides it has some legacy design decisions. For example every other lan-

guage provides printf like output function. It is a language to demonstrate beauty in simplicity. Besides everyone should read “The C Programming Language” book.



Haskell – This is where I came across different a model of computation namely “lambda the ultimate”. In short Haskell is a strongly typed, lazy functional programming language. Every language has so called “advertise-me” code snippet. Here is one for Haskell.

```
quicksort ::
(Ord a) => [a] -> [a]
quicksort [] = []
quicksort (x:xs) = quicksort
  [y ← xs | y <= x] ++ [x] ++
  quicksort [y ← xs | y > x]
```

How many lines do you write in your favorite programming

language for quicksort and how clear and bug free is it? Besides learning Haskell is like doing PhD in computer science and mathematics simultaneously. But it is worth the effort. Finally one last thing I have never seen fine example of teaching with metaphor turning out to be a bad idea as it should be, as in various tutorial of one aspect of language call it monad =).

Scheme/Lisp – It was the second functional programming language I have tried to hack into. But it’s not strictly functional. It is dynamically typed. I learned it while reading “Structure and Interpretation of Computer Programs” which I have finished up to the first chapter just to mention as It is a running joke that most people abandon a book by the third chapter, You can find many quotes about how beautiful this language is and it is the language. ❖

Divyanshu Rajan
(2007IPG-21) is working for Directi, Mumbai. He was popular with the name Qudra among his friends. He was kawalilover and amazing programmer.



Brace Yourselves, Its Exam Time ...

Rahul Kala, (Alumni, IPG-2005)

Statuary Warning: If you are a member of faculty/staff at IITM Gwalior, you should not be reading this, stop

here! If you are a student, don't panic - the author knew the faculty habits well. The article does 'not' mention

the nicely innovated cheating practices.



Fig. 1: A typical exam preparation procedure

You just finished with your presentations, re-assuring that your extempore skills are stronger than ever and you could present an unseen slide as a pro. The last assignment was completed just on time, the art of copying starting with the start of the period and ending just before the professor could be convinced to leave. The wounds of the last results may still be fresh and the joy of scoring just better than your neighbour may still not have been completely cherished. Well, there is no mercy; it is time for the examinations to start.

Thanks to a dear classmate who jots down everything in a notebook (the *producer*) and another dear friend (the *resource manager*) who makes a photocopy of it days before the exam; being the proud owner of original photocopied notes hours before the

exam is not a hard task besides a long walk to the academic block and a long queue to wait for. The photocopy man obviously plays Vishnu whose absence for a day may lead to the most severe calamity that mankind has ever seen. Mornings convert to noon and noon converts to evening with no sign of the exam season. The tension guy tries hard to initiate the process, with good opposition from the others, but ultimately wins the battle and the action begins.

For passing performance it is important to have a good design of the study gang. Every gang should have a *joker* who always pops in (non-academic) things which are a matter of long discussions and entertainment; a subject/topic specific *teacher* who has the slightest of idea what is written in the

notes; a *logician* who can relate anything to anything to make cramming up easy, provided the accuracy of the logic is not questioned; a *compressor* who can convert anything to a set of keywords elaborating which is a skill taken as granted; an *operational manager* who needs to check after every page how much is left to ensure things are at pace; a *historian* who is busy ensuring any addition of knowledge does not lead to leaking of something previously studied; a *communication manager* who communicates with all the sister groups to ensure everyone studies the same set of topics and more importantly leaves the same set of topics; a *negotiator* whose sole aim is to convince a 'leave all topics' strategy; a *bookworm* who tries to influence a 'study all topics' strat-

egy; a *Kumbhakaran* whose sight itself is a sign of tiredness and sleep; and a *willingness manager* who is always hungry. Multiple people may play multiple roles.

The more obvious thing to happen is more fun and less study. Some things are censored for this version of the article. Besides, there are some not so obvious things to happen. Ever imagined that middle of the preparation you could play a hide-and-seek (with notes), or there could be a DJ with dance emerging out of nowhere; and how could you miss out on a new movie or a new song. With night the options of fun start to get diminish which is when the *birthday boy* becomes to the rescue, who may actually be having his birthday on a completely different month. The legitimate and illegitimate birthdays are celebrated even better than Holi and Diwali. The preparation procedure is chronologically illustrated in figure 1.

There are some rules of preparation which everyone understands. In a relative grading system everyone studying and nobody studying is exactly

the same thing. An hour of study is equivalent to an hour of not letting anyone study. The syllabus is not what the professor teaches, it is what the *producer* notes down and hence every attempt must be made to distract him/her from noting. If a topic is too difficult, too long, or the professor left it for you to read it yourself Wikipedia (the Oracle) is a viable solution. Every topic that the professor says important is marked separately and many times are the only things you study. A very difficult topic should never be studied, instead rumours about it being 'out of syllabus' must be spread far and wide.

After some sleep comes the most challenging part, waking up. The aim at night is usually to wake up the earliest of possible times, which is something heavily negotiated in the morning. The *alarm clock* guy is unknowingly responsible for what can take and save lives. Believe me, many a celebrated names have almost missed an exam, and many have actually missed it. Post wakeup is usually the first real sight of preparation in progress, which is naturally not long lived. Till now I do not understand the reason for taking a bath just before the exam, by people who would not do so in any

working or non-working day. Be it a habit, a good luck charm, or a weird sense of freshness, people like me would rather be seen trying to steal a pen to enable writing possible. Attributed to the activeness of the *thieves*, exam time is the most vulnerable for an entity which has no value at any other time.

Every year, at least one professor plays the *mixer* who has a pre-determined number of swaps to be carried out. This may waste a lot of hard-work and spoil the strategy



Fig. 2: A typical exam hall

which was computed after making your dear ones remember all the golden days which may have never existed. The positive fact is that you get an attendance for exams, and this may have just been your maiden attendance. And then there is the invigilator who plays a typical *constable* and points a number of students for cheating, genuine or not, where the number is possibly dependent upon the quality of snacks served in the hall. Somebody should tell these

these people, not always do students look at someone else to cheat, and many times it is to count the number of students who have no idea of what's going on.



Fig.3: (Very) late submission

A typical exam hall (figure 2) would find the *models* who draw margins, use multi-coloured pens, and do all such annoying acts; the *economists* who are busy calculating what they know and would that be enough; the *merchants* who try to make up for every penny of their exam fee and no matter how long the paper actually be, would always require additional sheets; the *labourers* who go on by a so-far-so-good attitude; the *bankrupt* who know nothing to write; the *dumped* who believe the entire paper is from whatever small they left and

stop cursing their luck; the *priests* who believe the entire paper is from whatever small they studied and cannot stop thanking God; and the *adopted orphans* and *un-adopted orphans* depending upon availability of external help.

The rules of writing are more interesting. It is not necessary that the entire paper came from things which have been discovered. There is always something you can discover in the ambient environment of the exam hall. It is always better to have a bad writing which no one can understand and getting average marks as a benefit of doubt by the professor, than risking the professor understanding what you wrote, or a more strongly advocated knowledge proportional handwriting applied on a per-question basis. Apart from the first sight of the paper, the first major attack is always when someone asks for an extra sheet and you still have half left. There is nothing more soothing than getting a gesture from your friend that he too knows nothing, but then there is also another friend who seems to be suddenly enlightened inside the exam hall. The maximum time to sit inside the hall is defined, but having the guts to be the first one out is

always difficult. It is painful to sit idle for long, waiting for someone to initiate moving



Fig.4: Post exam analysis out. A calculator must always be lent with a hope that someone might have stored the answer and you would be able to figure out. Similarly you need to assure yourself nothing lies in the toilet.

It is only inside the exam hall that you realize copying assignments as drawing is easier than cramming up weirdest of mathematical operators as a drawing hoping it would be possible to vomit them out later. Examples are compulsory to write, even if not a requirement of the question, as they increase the page length. Fit in as many figures as in your wildest dreams you can imagine. After every few lines make a new point, unless you know exactly how many points the power point presentation had. The same point can be written in any number of different ways. If you feel short of keywords in answer to a question, try synonyms.

If by chance you wrote an answer too long, and don't know the next question, simply make quarter of the text as answer to the next



Fig.5: And so it ends

question. Any number of questions can have the same answer. Thinking is a sin in exams. The time wasted in thinking will never come back. In exceptional cases where thinking cannot be avoided, your hands should be moving while you think.

Very soon you realize that hands and brain can work completely independently with no problems. It was well-taught in coaching that half of the answer lies in the question. This is true in these exams as well. Any number of questions can have the same answer in different forms and explaining the meaning of each word used in it can make half to complete answer. Hope that there is no choice. The problem with choice is that you spend 15 minutes to decide which question to solve, and while answering the chosen questions keep cursing that you made the wrong choice. It is true God blesses in exams. Unfortunately most times the blessings come at the last minute. Only this can explain the common observation that just before the end you get some real cool lines to write, and have to scribble your way as much as

you can. The invigilator would act as a real *opportunist*, showing all his power and attitude in accepting a marginally late submission (figure 3). And then outside the exam hall there appears a pool of *optimists*, *pessimists* and *realists*, discussing the paper (figure 4), while some prefer to stay away.

While *Saraswati* may not have been very kind and exams may be an indication for *Shivato* make a presence sometimes soon; *Laxmi* seems to be very kind on the canteen (figure 5) which is now not only the sign of preliminary dating and survival from mess food for the poor, but a relief from the hard work and to treat another step towards holidays. ❖

Mr. Rahul Kala

(2005IPG-45) is pursuing PhD from School of Cybernetics, University of Reading, UK. He is just 25 year old and having 56 publications including 3 books. He was one of the active member of AASF and founder of SF-FOSS. He was default judge for any of the literal event at IITM. We are eager to call him as Dr. Rahul Kala. He is just a perfectly Googleable alumni from IITM family.

Do you know?

- 1) The average chocolate bar contains 6-8 insect legs in it
- 2) $111,111,111 \times 111,111,111 = 12,345,678,987,654,321$
- 3) Blind People also Dream
- 4) Rapid eye movement (REM) sleep is a normal stage of sleep characterized by rapid movements of the eyes. REM sleep in adult humans typically occupies 20-25% of total sleep, about 90-120 minutes of a night's sleep.
- 5) During REM sleep the body is paralyzed by a mechanism in the brain in order to prevent the movements which occur in the dream from causing the physical body to move.
- 6) Wearing headphones for just an hour will increase the bacteria in your ear by 700 times

Interview with Mr. Ed. Nair



Ed Nair, The Senior Editor- Dataquest and Global Service is a Writer, researcher, and speaker on business technology, global sourcing, globalization, and global business. With Deep expertise in enterprise IT, IT services and BPO, business transformation, innovation in service models and marketing is a highly recommended speaker on IT and Global services at the global platform. He was esteemed for various awards & accolades as a technology journalist.

1. A phrase/word that perfectly describes your job as an editor?

Influencer or Opinion Leader

2. What fascinates you most amongst your various specialties?

Evolution of technology and its potential to impact life

3. After pursuing a B.E. course followed by an M.B.A., what brought you into journalism?

B.E. helped me understand technology better than any other journalist, MBA helped me understand business better than any other journalist. Together, I am able to understand the impact of technology on business better than anyone else.

4. Even though you completed your graduation in the field of electronics, your interests and job profile corresponds to IT. Why is that?

When I graduated, electronics was the basis or root of many fields like communications, instrumentation, industrial automation, power, and computers. There was no IT industry, it was called as the computer industry. Information systems evolved later.

5. What factor would you consider responsible for withholding the causes for "India Shining"?

Lack of speed and initiative in development projects, lack of moral leadership in the country, lack of unified vision for the country.

6. Whom do you consider as your role model?

Peter Drucker. For his ability to influence business thinking and his continued relevance today.

7. In your view what are the three technical innovations that affected lives of millions all over the globe?

Semiconductors, Internet, Biotechnology

8. What do you foresee in next 5 years?

IT will become a utility, businesses will adopt social technologies and game-based technologies as strategic tools, Internet will encompass more entities.

9. Which is your favorite movie?

Padosan

10. What is your favorite techno gadget?

HTC Desire Android phone

Interview with Dr. A.S. Rao



Dr. A.S. Rao is the Advisor to Department of Scientific and Industrial Research, Govt. Of India. He has also served in the management of CIIE, IIM Ahmedabad. A man intellect and ideas he has been involved in a number of initiatives related to entrepreneurship and intellectual capital mapping. He initiated the Discover Stars- IP Mapping Project during his tenure at IIM Ahmedabad, which was aimed at tapping the IP in the Indian education sector and particularly focused on ICT. He is currently serving as the Chairman of the screening committee Technopreneur Promotion Programme (TePP) at Technopark, Trivandrum.

1. What do you presume to be like an X-factor in innovators for the screening process?

Prior work and due diligence. student innovators could start business with entry barriers for competitors provided the business is related to their project/ institute IP.

2. Whilst observing dozens of technopreneurs for so many years now, which property would you consider was rarest amongst them?

Speed of conversion from proof of concept to commercial product. Being first timers, the technopreneurs do not have access to commercial enterprises production know-how. And commercially successful products need to be made of currently available commercial components/ sub-assemblies.

3. What was the prime advantage you considered the IP mapping project would bring to the Indian education sector?

Awareness- the students need to know what someone in their institute knows and what students of other institutes knew. Prior-art is global and students should routinize tracking.

4. In the thick of a number of successful entrepreneurs, whose name would you consider worth mentioning as a source of inspiration for our readers?

Inspiration comes from innovators students can relate to in their field to emulate. If their dream is electronic gadgets , then Steve of Apple inspires millions.

5. During your tenure at IIMA, which part of the curriculum did you reason was the most vital?

Integrating incubator with regular academic programs is an initiative with long term impact to transform great educational institute into a great entrepreneurial university.

6. In your view, what is “Innovation”?

The product sold in large numbers is innovation. Innovation adds to the stock of public knowledge when large number of users benefit from it.

7. What are the critical success factors for a start up in an IT domain?

Time to market- concept to beta version should be completed in less than 6 months and with boot strapping.

8. In your view what are the three technical innovations that affected lives of millions all over the globe?

Internet, semi conductors and vaccines.

9. Which is your favorite movie?

Like the (rare)Indian science fiction movies. The current favourite is 'Eega in telugu/Makki in Hindi'.



Success for Shy People

Vikram Chandolia

Is the world of success confined only to people who are extroverts? Absolutely not. In fact, the most extrovert people are often at risk through being so unaware of what is really going on with the people around them. If they are extrovert and egotistical, they will not be listening, unless someone is praising them and feeding their ego. So, they may have a soft underbelly in terms of achievement, simply because their ability to acquire knowledge, especially about other people, is limited. Overcoming shyness is actually easier than being extrovert with an inflated, and misguided, ego.

Shy people, on the other hand, may quietly take in an enormous amount from simple observation that is beyond the perception of an extrovert who is obsessed with their own ego. Ideally, of course, a successful person and leader should be capable of being extrovert or introvert, depending on the circumstances and the need of the moment. A powerful extrovert who knows when to listen and when to delegate, and how to learn from the quieter people around him, is best geared to be a success.

Throw in some modesty, and there you could have a great person who needs to prove nothing, because he will naturally attract and generate success.

A shy person can still be a big success in their chosen field, though, and may easily outstrip the extrovert in some.

If You Are Introverted and Shy, Dare Your Way to Success.

It is true that shyness can be something of a drawback socially for those who suffer from it acutely. I mean real shyness, not somebody who is simply quiet. Because somebody is fairly quiet in your company when you meet them, does not mean he is shy. He could be, but on the other hand he may just be observing because he is unsure of you or others in your company. He may be capable of being extrovert and sociable, but on this particular occasion, is quiet. I know this from my own experience, because I can be both introvert and quiet, or if the occasion demands, silly, extrovert and outgoing. In my case, because I like people, nature and other things around me, I like to observe and learn. But I did not organize social

and sporting events because I was shy; and I did not approach beautiful girls because I was shy.

Yet, on some occasions when I have met people, they have jumped to the conclusion that I'm shy simply because I was in a quiet mood. They were wrong; but they could have been right.

One thing I have learnt from those experiences is that those who observe and listen more and talk less can gain a position of strength. This means that even a genuinely shy person, the type who blushes easily and is reluctant to talk in company, especially new company, can become a strong person; in just about anything they choose. Remember, knowledge is power, and a shy introvert is in a better position to acquire knowledge than an extrovert.

It is widely accepted that timid people know a great deal about human character in general, although they may not dare to get in contact with that many themselves. Even if these painfully shy people had little social life, most of them grew up as great human resources managers or psychologists, simply because they could analyze

other better than a self opinionated extrovert. Also they can tend to choose careers that require a lot of PR work, just because they have a need to prove to themselves that they can do it. Introverted people can give great attention to learning, and as good listeners they can

take in an enormous amount from others. Over time, people can come to respect them far more than the extrovert who blasts out nothing but hot air, and usually about themselves.

What does it take, then for a very shy person to be that successful person he always

wanted to be. He need one more ingredient to push them on his way. He need to dare himself to take the leap; and when he does, he will probably find all the knowledge he has acquired over the years, will come to the fore and help him on his way to the top in his chosen field. ❖



Epic Fails!

Sakshi Bhambhu

Electrolux's British ad line for its vacuum cleaners "Nothing sucks like an Electrolux" would certainly not lure customers in the United States! Its funny how one phrase can have different meanings in different languages. Sometimes the translations can be tricky and the consequences can be fatal. Luckily you and I don't have to worry about this for now but I sure think companies and brands should put more efforts in understanding these differences. Let's go through some epic translation fails in international business. Coors translated its slogan 'Turn it loose' into Spanish, it was read as "suffer from diarrhea". Well I don't know about you but I will certainly not buy something that gives

me diarrhoea. Absurdly enough Perdue's slogan- "it takes a tough man to make a tender chicken" – was rendered into Spanish as "it takes a sexually excited man to make a chick affectionate". I wonder what kind of market research team was hired for this project. Well, who am I to judge.

Now KFC is one brand that is incredibly successful worldwide. But you will be surprised to know about the blunder they did when they opened their first restaurant in Beijing in 1987. Their famous slogan "Finger-lickin' good" was translated to "We'll Eat Your Fingers Off!" in Chinese.

Coca-Cola, in Chinese, was read as "Ke-kou-ke-la" which means "Bite the wax tadpole".

Not a very appropriate name for a soft drink brand, right? Why would we drink something called "*mom k mendak k bache ko katto*". After a research (oh thank God, they realized proper market research is very important) the name was changed to "ko-kou-ko-le" translating into "happiness in the mouth". I won't mind buying happiness for my mouth, although I certainly don't like carbonated drinks.

I would suggest you should ask the fourteen year old who knows all. The point is in international business, understanding the cultural differences, is very important. After reading these examples I am convinced that you won't make such a mistake, right? ❖



Just a Leap Forward!

Mahesh Machavolu (Alumni, IPG-2007)

A very warm HI to everyone. I just wanted to take some time, pen down a few things for all my special fellas reading this. All that I'm gonna say may be a Bheja fry but these are small bits of paper that are either folded and overlooked or grazed off from the edges of our book called LIFE. Leaving college as shown in different movies, serials etc. isn't that very difficult and dramatic and we wont even feel that we are gonna miss all our buddies and all that fun we had. But, yeah there is always a but, it wont be very long after taking up a job that you dont remind yourself of every small moment at college. Its then time to relive those moments, we can recreate that fun life even at work (You have to strongly believe in this). Making friends at office is easy, very easy, but its a competitive world and there would always be a selfish reason behind every friendship, this fact be ignored whenever confronted. Presuming most of us would join an IT company or may be even put up one, 99% of time we have a laptop stuck to your hands and again we tend to look into it all the time

showing off that we are working on something or the other so that our BOSS would have a great impression where in reality you would be looking at the GOOGLE homepage blankly(PS: this happens everyday). This is that free time that we will have and should be made use of and hope even I don't ignore this statement. Making use of here I mean spend time with colleagues, hang around (yes we can hang around at malls or coffee shops during office hours .. hee hee), talk to some new girls (for all guys this will be highly refreshing mark my words).

Lets talk about some numbers, yeah you are right I am talking about final year package numbers. Well, whether its 3,4,5 or a combination of these with some suffix or prefix, please its a special mention never compare with someone working on a bigger number, this will make your life damn crazy. In every job, at every workplace, you can create a special place for yourself, this is always in your hands. Networking, talk to each and every one you see at office, shake hands, say hi, wink at

will, atleast lift your brows. Some may be a slow start and just make sure your start isn't stagnant. Many people say "dont think about the future, live the present", but just think frankly how many acutally do this, this is practically not gonna happen. Lets modify this a little bit "Dont think about your future, BE SURE about your future!". Always think BIG, always, let it be how you want your galfrnd/boyfrnd to be or how lavish you want your life to be or how big a company you want to lead or create. This thought is sufficient to not stop you from going ahead when that opportunity ar-rives. College spoils us by making us shameless and ruthless, why not take advantage of that. Decrease your sense of reluctancy and increase that of urgency, live crazy!❖

Mahesh Machavolu
(2007IPG- 30) is now a days working on GE project for HCL, Noida. He was a superb developer with very quick learning capabilities.

h i Q

POINTERS AND ARRAYS

Venue - SH-1
Date - 30th Aug
Time - 6:30 PM
Organizers :-
Sandesh Kumar
Nitish Sharma

THE BLANK PAGES OF ABHISHAR ARE WAITING FOR YOUR THOUGHTS TO ENLIGHTEN THEM....

GEEHS CORNER

JJTM STREET

LIFESTYLE

AASF 2012-2013

Abhigyan Abhikaushalam Students' Forum

Notice

hiQ on Windows Basics
on 13th August
at 6:30 PM

Organizers
Arunabh Chaudhary
Ketan Kumar Yadav

Venue - SH-1

THE BLANK PAGES OF ABHISHAR ARE WAITING FOR YOUR THOUGHTS TO ENLIGHTEN THEM....

2nd Edition

20th Nov, 2012

ITGM

SCREETS

LIFESTYLE

Last Date Of Submission: 30th Sep, 2012

aasf.iitmg@gmail.com

**New Waves
of Notices**

AAKRITI

PHOTOSHOP YOUR CREATIVITY

PS

TOPIGS (Any...)

WIN DOWNS YOUR P...

BY

SEPTEMBER 28...

AAASF

What's the agenda?

What's the agenda?

What's the agenda?

What's the agenda?

What's the agenda?

ABHIGYAN ABHIKAUSHALAM STUDENTS FORUM

PROGRAMMING CONTEST

DATE: 20th August
VENUE: CSK Lab
TIME: 3 to 5 PM

ORGANIZERS:
Aadiya Singhai
Rajesh Kumar

LANGUAGES

- main.c
- main.cpp
- main.java
- main.py

RULES

Contest will be on Moodle

TEAM: MAX. TWO MEMBERS

SH 1 B BLOCK

27th SEP 2012

SPORTS QUIZ

8:00 P.M. ONWARDS

14 August 2012

WORKSHOP ON WINDOWS

VENUE: CSK LAB

ORGANIZERS: TEAM AASF

Windows 7 Ultimate

Abhigyan Abhikaushalam Students' Forum

Workshop on MS OFFICE

DATE: 22-8-12
TIME: 6:30 P.M.
VENUE: CSK LAB

Organizers:
Anil Chopra
Udit Hunzwa

Friends Fun & Dreams

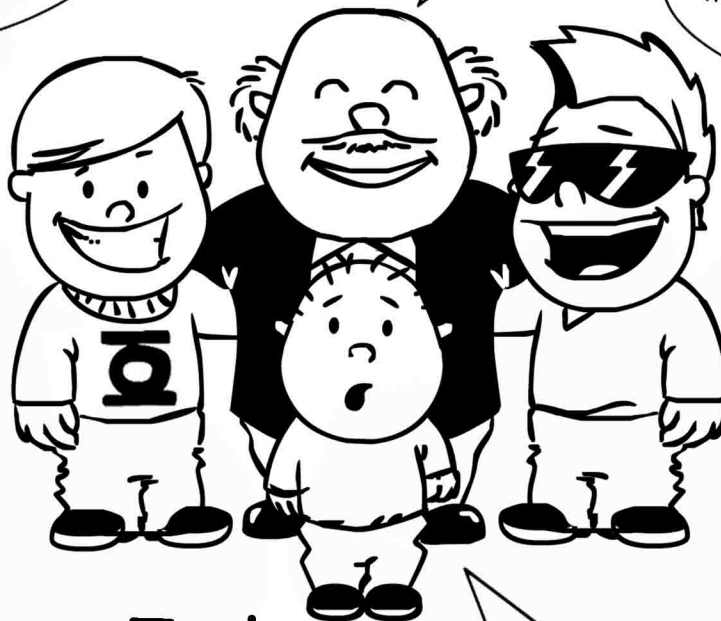
Professor Janaardan

Hello students! I am a professor. I am like a typical faculty. I teach. I am a patient person. But like all, not open to criticism.

Hey Guys! I'm Abhishar. Well, of course you're not that familiar with me yet. Consider me as one of your pals.

Hello hai ji!! I'm Abhishar's senior and I am the King. The students and the faculty, all are under me, hai ji.

Abhishar



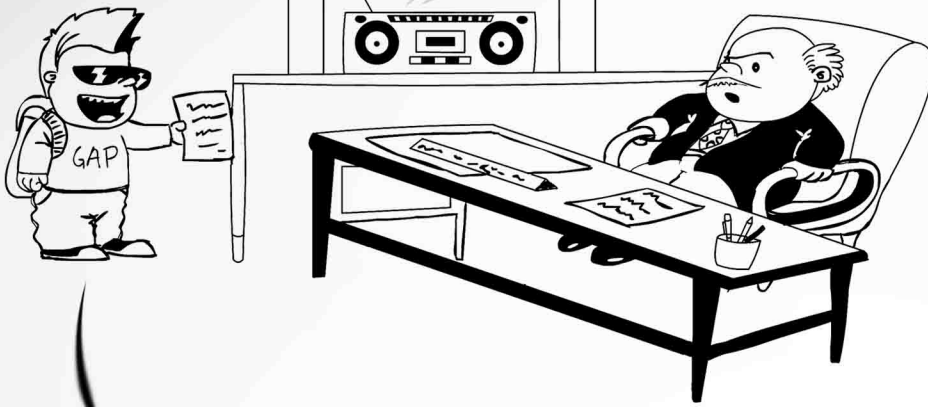
Money Singh

Taplu

Hello. Umm, Amm, I am Abhishar's Junior. I am a shy guy. I fear trying things. Dealing with seniors and faculty is like a nightmare for me. I dream to be a successful man.

Abhishar is a good friend of students. He listens to their thoughts and experiences. Abhishar tries to chalk out easy solutions for students' problems. They feel motivated on talking to him to showcase their hidden talents. Personally, I feel he carries with him a very positive air and is capable of spreading happiness around. And I'll try and make all possible efforts to help him with this splendid companionship with you.

I would like to express my gratitude to Mr. Manuj Tiwari, IPG-2010 and Mr. Sai Vivek Kanaparth, IPG-2011 for their valuable efforts in realising Abhishar and his friends in "Friends Fun & Dreams". We couldn't have done it without them.



Is this the way
you talk to the
faculty?
Get Out!!!!..

Sirji, manne ghar jana
hai leave application pe
sign chahiye thhe!



Haan haan beta...
definitely...
enjoy..!

Good Morning sir
Ohhoo Mukesh ji ka gaana
from movie 'Anand'....

...ghar ki yaad aa rhi thi
so kindly sign the
leave application.





**Team
AASF**

**Team
2010-2011**



**Team
2011-2012**



**Team
2012-2013**

Interview with Mr. Himanshu Goyal



Himanshu Goyal leads the IBM Collaboration Solutions team in India/South Asia. This included software companies, systems integrators, and organizations who imbed IBM software in their products. Prior to this role, he managed the Lotus Brand partners. Himanshu is committed to helping businesses align messaging and collaboration solutions to their strategic business goals and to help transform organisations into Social Businesses. He was earlier leading Career Education, Academic Initiative, developerWorks and Globalization initiatives for IBM India/South

1. IBM is best known for?

Inventions, Innovations, Value System

2. What makes IBM one of the best workplaces for commuters?

Open and value based culture, highest form of integrity and personal commitment to our client's success

3. On a scale of ten, how much would you rate Indian innovators as their stand in entrepreneurship when compared globally?

Equal

4. What properties do you consider indispensable in a leader to manage a workforce as huge as yours?

Answer in point 2.

5. A career advice to the budding entrepreneurs from your side would be?

Integrity, Skills, Communicative English

6. Whom do you consider as your role model?

JRD Tata

7. In your view what are the three innovative ideas that affected lives of millions all over the globe?

Telephone, Electricity, Aeroplane

8. What do you foresee in next 5 years?

Social World, Individualistic Customer for enterprises to serve

9. Which is your favorite movie?

Life of Mahatma Gandhi and Martin Luther king

10. What is your favorite techno gadget?

SmartPhone, iPad, Laptop, Simple Phone when smart phone is discharged ;-)



Interaction (Censored)

Himanshu Tyagi

Everyone have their own thoughts or plans while stepping into a college... oops... an INSTITUTE! (Never ever do that again, this is what I learned the first day I entered ;). Long hairdo, funky tees... low waist jeans and everything else you thought would help in getting you the most anticipated prize (of course! I am talking about a GF) ... were soon to become a distant dream. And there we were, within a week, hair as small as thorns and...

The FORMALS! Yes!!! You are thinking right!!! It is the INTERACTION period. Well people (dumbasses actually) name it Ragging. These dumbasses keep themselves from The Most Amusing part of everyone's college life. "Tu pagal hai...", "abe tere se bada pagal nahi dekha aaj tak...", For once in a while I used to think what the hell did I do wrong to be termed as the biggest pagal... but gradually it became a habit, as the guy beside me was also given the same designation. Eventually, it wasn't a bad word anymore... it was our seniors' way to say "hello". It was the first time I ever thought that the '3rd Button' of my shirt

could have been a little bit lower :P (P.S.- stare at that piece of shirt while u r getting f**ked || Formal rule)... Reached till the limit of my field of vision to somehow have a gaze at the eminent personalities who have been showering their kind words upon me. With this came the art of keeping your ears n eyes open... recognizing a senior by his broken slipper (:P) or by his voice... or by girl he's gathering information about (yesss... it was a distant dream not bcoz there weren't any girl... but bcoz there were too many guys).

Golden Rules:

1. Seniors are always right.
2. Never say no to seniors.
3. In case of any discrepancy, refer to the first 2 rules.

Violating any one of the above led to some serious kicking... and believe me

with time they surely turned out to be GOLDEN! Ever wondered how a tinge of smile on your face could prove to be suicidal and lead to your transformation into a chair or a kukdo-ku or a titar. We had our own ritual for "Muski".

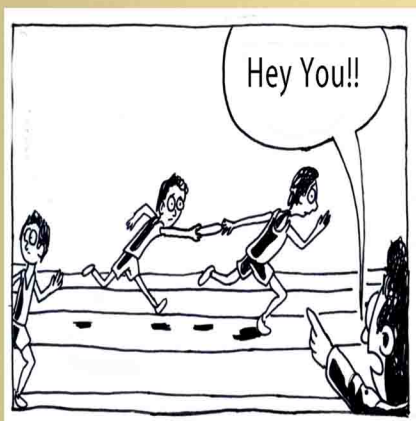
"muski pochi..thakkh...!!" xD

The best piece of the so called interaction was to use different props and imitate. (I did it like... 'Krishh'- one leg inside a bucket, baddy racket hanging on my back and both hand in the Superman position). Wow...

Interaction period also resulted in discovery of different secret places of the campus. Reaching campus gate from the hostel without crossing any senior was a hide n seek we enjoyed playing daily. Finding places to hide in case of mass calls (Later not being very successful),



sitting with friends and discussing full night everybody's auto-biography for the day used to be the task we were most committed to.



Mass Calls:

80 people all in a line, in the prolific position kukdo-ku, giving their introductions... and suddenly u hear a guy running around and shouting "tis tis tis spiderman-spiderman- spiderman..." and another playing counter strike with his belt as his gun, and shouts of "anmol-wachan" in the air. This is how u explain a mass call i.e. bunch of people doing crazy shit and in otherwords "samuhik chatkar" This taught me the art of perseverance... I cannot laugh... I cannot laugh... bcoz a hint of smile could lead to the worst consequences. We were told to carry extra clothes with us....

never took it seriously until I became the Phantom, (if you become one you surely are popular and one of the favourite of your seniors). Time passes like sand when you are in a mass call... but I never got tired of one, coz it was one of the coolest part of the Interaction period.

People often assume interactions to be terrible for the freshers. Well, perhaps they should take the students' opinion. Interaction is a period when we come across

a lot of situations and experiences that help in building one's confidence, attitude and a dynamic personality.

It is through interaction that we come to know about bitter truths of professional life... as for, The Boss is always right (and u can't do any fucking thing about it)... Golden Rules take care to prepare us for such situations.

There are some things that can be taught in classrooms... and for the significant rest there is Interaction ;) ❖

Do You Know ??

- 1) There are exactly 43,252,003,274,489,856,000 (approx. Forty Three Quintillion) permutations for a Rubik's Cube!
- 2) Giraffes can go without water longer than a camel. That's wild!
- 3) Almonds are members of the rose flower family or rosaceae family. The peach is also a member of the rose family.
- 4) Only humans cry because of feelings.
- 5) You could use up to approximately 150 calories in one hour of head banging. Do not try it, you could get whiplash.
- 5) Dead skin is the root cause of most of the dust in your house. That's Gross.
- 6) About 75 acres of pizza are eaten in in the U.S. everyday.



Entrepreneurship and the Battle Within

Rahul Meena

Entrepreneurship, a biggy witty word for owning one's own business, is apparently going to be the foremost choice of the coming generation of Indian students. For now however it is viewed by some or most of the social beings in India as the last option. Well I guess we can exclude the state of Gujarat from India in this case. I try to put forth the internal battle a fresh off the boat student experiences while making his or her career decision in favor of entrepreneurship. In this article, I will write in context of Information Technology students, taking into consideration student's belonging to a typical middle or upper middle class family. I believe none of us is unaware of the fact that the Indians are considered cheap laborers by the giant Multinational Companies, prudent from the fact that in the US the average starting salary of a technical graduate is 5 millions or more (in INR), and that in India is well even below 0.5 million. Some people argue that the cost of living index in India is much less too. Which is of

course false, the average cost of living index is calculated taking the whole population of India. We, who live in India are very much aware of the lifestyle gaps that lie in our society. There are extremely poor people & there are extremely rich people. The technical people lie in between them, life style wise. Is the average salary really enough to satisfy that life style?

So, the battle that an Indian student faces within his or her head regarding the choice between a work placement and Entrepreneurship is very much valid and existent.

Should one become one of those hundreds of thousands of engineers who are being exploited or should one take the risk of getting in a high failure rate Entrepreneurship. Let's not kid ourselves, entrepreneurship means risk.

Every one of those brilliant ideas that come to your mind might not be pleasing to the audience or worse your idea might have crossed someone else's mind with more money to invest And in India, the students can't really be like that king, who was motivated

by seeing a spider try and try to climb up until it succeeded. We can only fail a limited number of times before we will be forced to give up and then again the idea of getting paid monthly checks and not stressing over so many different aspects an Entrepreneur has to stress on, is always more pleasing. Every individual defines the meaning of success for themselves, for some success may be getting a job in high end corporations like Microsoft, Google, etc. For some success may be building their own Microsoft & Google, while there are also the kind who would just rather go for a Government job, work some and enjoy most of the time with family. The list is obviously not exhaustive and the stated examples are the extremes, success may lie in between these too.

I believe to achieve anything you need a positive attitude. If one gets rejected at a placement interview of Microsoft, they should be in the mood to raise their own Microsoft better than the current. While it might have come off as a joke to most, but it isn't an

unfeasible feat. Now pay attention to this fact, currently, India in many ways is in the same market situation as United States of America was back when Microsoft was established. The time is absolutely ripe for more and more fresh Entrepreneurs to come up with failure proof ideas. Who knows, in the years to come there might be 10 other Indian Microsoft's in league with the current one. Actually the Indian Companies have another major advantage, unlike Microsoft they do not need to go to India to hire IT professionals. India has a vast pool of technical graduates to hire from. As per a seminar I attended back in first year at the alumni meet, most bosses are Hari Sadu's. Remember the popular Naukri.com commercial which hit the Television back half a decade ago? In an IT Industry or any Industry for that matter you will meet loads of such Hari Sadu's, you will listen and do whatever he asks, then you'll bitch about him among your colleagues but you will be happy and satisfied with your little cubicle, monotonous work and monthly checks. However if you're the kind, who have a hard time listening to arrogant bosses who're probably less qualified than you are, and you would rather be the Hari Sadu, I would suggest you start planning your venture right away.

Though please do remember this is not the easy way, Entrepreneurship is never the easy route, it is very challenging to raise your own organization from scratch. And not everyone can become accidentillionaire's like Mr.

Zuckerberg. One has to plan and think as well as study about all the different aspects related to your business plan, never kid yourself into thinking that you know everything about what you're going to do. Because honestly, knowledge never ceases to grow and it is as important as experience.

Another School of thought and probably an effective one is to get yourself a nice placement first, gain firsthand experience about how things work in the biggies and of course gather enough resources to tap into the challenging arena of Entrepreneurship. However try not to delay too long, India is growing at a very rapid pace, and the first to start a race always stands a better chance. Let your internal battle draw to a conclusion and sway towards what you think is best for you. ❖

Some Good Indian Startups!!!

Hello Intern: This student job portal was started by four young IIT Bombay students in 2006, with their own bittersweet experiences of looking for internship opportunities

Greycaps india: Launched in 1999, it is India's largest on-stage quizzing and Knowledge Services Company.

GoSports India: GoSports is a 360 degree athlete development and management company which focuses on funding and infrastructure facilities for the right talent.

Flipkart: Started as an online book store, it has now expanded into 10 other categories including mobile phones, personal & health care products etc.

Freshdesk: It is a SaaS solution for multi-channel customer support including knowledge base and social CRM support.

TWO PAGES ON 2

2

MSX-DOS was the 2nd OS by Microsoft created for the 8-bit home computer and was a disk-based computer operating system. MSX-DOS also took out the need for using tape cassettes as a memory device because it introduced the use of 5 1/4" disks as well as 3 1/2" discs. With the invention of MSX-DOS, it was now also possible to boot a computer off disk alone.

November 2, 2011 is a special palindromic day - all the palindrome dates contained in this (21st) century (38 total), 11022011 is the only one to occur in November!

'Skiing' is the only word in the English language with two i's next to one another

In Association football, the scoring of 2 goals by one individual in a single match is referred to as a brace.

The letters H, I and X all have 2 lines of symmetry.

No 2 has many names like A deuce, a couple, a brace, a duo or a pair.

2 is the first magic number (a magic number is a number of nucleons (either protons or neutrons) such that they are arranged into complete shells within the atomic nucleus)

The square root of two was the first known irrational number.

This is the 2nd Edition of Abhisar!

On January 2, 1959 Luna 1, the first spacecraft to reach the vicinity of the Moon and to orbit the Sun, is launched by the Soviet Union.

The Complete computer world works on 2 digits 0, 1

In numerology Number 2 is the symbol of the Moon.

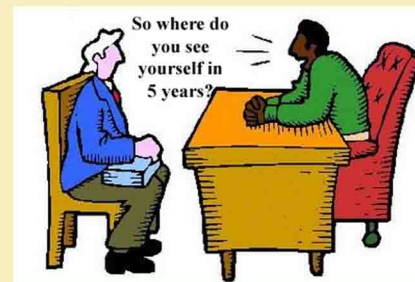


Worried about Placements? Have a look!

Lavish Pagaria (Alumna IPG-2006)

Well, I know that it's hard to take MBA in our college and get a good placement. MBAs don't enjoy the comfort of Samsung(s), Microsoft(s) and the Direct-i(s) in our institute. I take this opportunity to highlight some areas where final year students should concentrate while preparing for placements. Most importantly, Aptitude! Some people just don't need the preparation for aptitude, but it's not the case with everyone, rather most of us. Bear in mind, the first step to get into a company is your aptitude. - Think why the company hires an MBA fresher, they get raw talent at a minimal cost. The aptitude test has high value in the minds of top management – if you're in competition with another guy, the foremost important is the aptitude. Communication and dressing sense – If you're an MBA, you'll have to deal on-shore partners(Clients). If you're able to communicate confidently fluently(more or less), you're good to go. Now again the same question, why a company hires a fresher? – Innovative/Out of the box thinking and Creative approach. As far as my

experience with recruitment is concerned, the most number of questions in an interview judge your quick thinking and innovative approach. Practice a lot of puzzles, read interviews online - Glassdoor would help a lot. Don't show it to the recruiter if you know some of the puzzles previously. Let them think that you're exceptional – That is why you get hired(true for most off-campus) ! Tell me about yourself – Sounds easy but it's too complicated than that. Prepare an introduction, everything professional with a hint of hobbies and personal life – how can the company benefit from your expertise, why are you different from others, etc.?. Better if you have in mind what to speak as these are the questions that I believe you'll not miss in any interview. Your CV(maximum 2 pages please, you're not a CEO!) – Projects should be aligned to your expertise and moreover you should be able to explain each and everything that is in there in that project, the skills, the methodologies, your involvement if it's a group project, and most importantly the findings.



Last, some BASIC knowledge about your expertise. Basic means really basic here. What is marketing, difference between sales and marketing – kid stuff?

Not really! Cram such basic answers(preferably detailed). Present these nicely and you are on the top of the interviewer's mind already.

It's always good to remember the names of subjects that you know well or even don't know that well but it's good to remember at least 10 names. Start(if asked) as per your priority and there's a good chance that you'll be stopped on the 3rd, 4th or 5th and the interview takes shape from there. Well, I think it's too much "gyaan" already ! but jokes apart, if you master these few things, you'll not regret any moment of your 5-year journey I suppose.❖

Lavish Pagaria(2007IPG-29) is working for WNS, Gurgaon. He was the default DJ and amazing graphic designer.



Story of Appreciation

Lakshminarayana

One young academically excellent person went to apply for a managerial position in a big company. He passed the first interview; the director did the last interview, made the last decision. The director discovered from the CV that the youth's academic achievements were excellent all the way, from the secondary school until the postgraduate research, never had a year when he did not score. The director asked, "Did you obtain any scholarships in school?" the youth answered "none". The director asked "was it your father who paid for your school fees?" The youth answered, "My father passed away, when I was one year old, it was my mother, who paid for my school fees. The director asked "Where did your mother work?" The youth answered, "My mother worked as clothes cleaner." The director requested the youth to show his hands. The youth showed a pair of hands that were smooth and perfect. The director asked "Have you ever helped your mother wash the clothes before?" The youth answered, "Never, my mother always wanted me to study and read more books. Furthermore, my

mother can wash clothes faster than me. The director said, "I have a request. When you go back today, go and clean your mother's hands, and then see me tomorrow morning." The youth felt that his chance of landing the job was high.

When he went back, he happily requested his mother to let him clean her hands. His mother felt strange, happy but with mixed feelings, she showed her hands to the kid. The youth cleaned his mother's hands slowly. His tear fell as he did that.

It was the first time he noticed that his mother's hands were so wrinkled, and there were so many bruises in her hands. Some bruises were so painful that his mother shivered when they were cleaned with water. This was the first time the youth realized that it was this pair of hands that washed the clothes everyday to enable him to pay the school fee. The bruises in the mother's hands were the price that the mother had to pay for his graduation, academic excellence and his future. After finishing the cleaning of his mother's hands, the youth quietly washed all the remaining clothes for his

mother. That night, mother and son talked for a very long time.

Next morning, the youth went to the director's office. The Director noticed the tears in the youth's eyes, asked: "Can you tell me what have you done and learned yesterday in your house?" The youth answered, "I cleaned my mother's hand, and also finished cleaning all the remaining clothes" The Director asked "Please tell me your feelings." The youth said Number 1; I know now what appreciation means. Without my mother, there would not be the successful me today. Number 2, by working together and helping my mother, only now I realize how difficult and tough it is to get something done.

Number 3, I have come to appreciate the importance and value of family relationship.

The director said "This is what I am looking for to be my manager. I want to recruit a person who can appreciate the help of others, a person who knows the sufferings of others to get things done, and a person who would not put money as his only goal in life. You are hired."

Later on, this young person worked very hard, and received the respect of his subordinates. Every employee worked diligently and as a team. The company's performance improved tremendously.

A child, who has been protected and habitually given whatever he wanted, would develop "entitlement mentality" and would always put him first. He would be ignorant of his parent's efforts. When he starts work, he assumes that every person must listen to him, and when he becomes a manager, he would never know the sufferings of his employees and would always blame others. For this kind of people, who may be good academically, may be successful for a while, but eventually would not feel sense of achievement. He will grumble and be full of hatred and fight for more. If we are this kind of protective parents, are we really showing love or are we destroying the kid instead? You can let your kid live in a big house, give him a Driver & Car for going around, Eat a Good Meal, learn Piano, Watch a Big Screen TV. But when you are Cutting Grass, please let them experience it After a Meal, let them Wash their Plates and Bowls together

with their Brothers and Sisters. . Tell them to Travel in Public Bus, It is not because you do not have Money for Car or to hire a Maid, but it is because you want to Love them in a right way. You want them to understand, no matter how rich their parents are, one day their hair wills Grow Grey, same as the Mother of that young person. The most important thing is your kid learns how to appreciate the effort and experience the difficulty and learns the ability to work with others to get things done.

Do Good and Be Good !! ❖

Quick Tech-Facts!!

- 1) The first Computer mouse was invented by *Doug Engelbart* in around 1964 and was made of wood.
- 2) The first personal computer was the *Berkeley Enterprises "Simon"* which sold for \$300 in 1950.
- 3) *Peter Norton* of the fabled Norton anti-virus program once said that there was no such thing as a computer virus and considered the whole idea some sort of hoax
- 4) *Lenovo (HK:992)* means "new legend" -- "Le" for legend and "novo" for new
- 5) *Adobe Photoshop* was originally called Display, then ImagePro. It was not developed by Adobe, but licensed from a college student named *Thomas Knoll* in 1988.



Five things to be missed after leaving IITM

Chaitanya Gupta

Coming to an institute for higher studies and getting a chance to explore college life sounds exciting to every newbie but leaving that very 'home away from home' is not that cherishing. It brings with itself a lot of memories, experiences and most importantly friends that hold on to you despite of how crazy or stupid you are...

Plethora of questions hit you while crossing that line from school to a college or university. How that college is going to treat you? How seniors are going to be? What your batchmates would be like? And a guy might wonder if there would be any pretty girls as well!!! I feel content to spend crucial years of my life at this institute that brought a considerable change in my personality and I bet if you look around yourself after having spend more than two years here, you wouldn't be what you were when you entered this college. Seniors, friends, juniors and even faculty contributes in different proportions to add up to your personality as on today. At this point, when we look back, it's like a whole flashback thing going in front of my eyes. Even a three hour

movie can't cover it up. Stupid acts, teasing friends, chilling parties, rocking fests and many other things became a part of my life. So, here I list a few things that any student will certainly miss:

1. Unlimited Internet access and endless 'knowledge sharing' through DC:

No doubt after leaving this college, everyone is surely going to miss the internet facility round the clock with no limitations or restrictions. Facebook might be blocked at your workplace or limited bandwidth usage of any of your subscriber plans might not allow you to download all your fantasies in few minutes. Being an IT engineer from this college, everyone might not be able to code but everyone has got his own sharing space of movies and music on DC/DC++.

Long hours of chatting, unceasing downloads in GB and checking out the latest seasons of every single known show in this world. I don't know for how long is this going to continue in future but surely we are going to miss all of this stuff like hell.

2. CS tournaments

Although I am not much of a

of CS players buzz the aura of hostel. Their intense devotion and dedication to their sacred game 'Counter Strike' even beats their minute attention to studies at the time of minors and majors. This holy sport has helped greatest of young minds that scored AIEEE ranks under 8,000 or 9,000 to attain their remarkable CGPA. This game has developed such a rage in competitors that the tournaments with all shouting, blasting and thundering gunfire often turn up into Indo-Pak war at border. Even militants would fail for the strategies build up by our extremely prolific clans.

3. DJ nites

The best part of college life is you get a lot of chances to throw up yourself out in the public as you are.



People going crazy and wild at these noisy DJ nites is the most fun-loving part. The best of the existing dance forms are all out in front of you in the coolest way you can imagine. The loud and earsplitting waves from thunderous speakers make you move non-stop all night long. You can see people shaking and grooving to the tunes all around. This is one moment when you forget all your studies, worries and tensions and just dance to the beat. I am surely going to miss all this fun.

4. Mess terrace parties

Your parents might not approve of you taking even a sip of colored water but when else are you going to give it a try. All those farewell parties, new year parties and various parties given by seniors for various inexplicable reasons on mess terrace give you one sure chance to lick 'the liquor'. And then the best part comes where the 'drunk' turns 'divine'. They become like 'out of this world' creature. And then begins all the gyaan and pravachan. I am definitely going to miss this.

5. Jain Mess

Mr. Jain's utterly-butterly delicious food has fulfilled the dream of so many people to

get slim-trim and loose pounds of weight at once. Not even one student is hateful to what 'Jain mess' has served them. They all thank him for making them loose kilos and get into shape for which they have been dreaming of for years. Who cares for taste when 'Jain Mess' is serving a purpose much higher than just pleasing your taste-buds.

The mess provides all fat-free and low cholesterol food. Even they do not make it too spicy, so that our liver and lungs can function for long without getting diseased. It's not 'home away from home' but 'paramedics away from home'. They are so caring and loving. Not only humans but the dogs around the mess thank Mr. Jain for such a courtesy. Mr. Jain treats everyone equal. The mess is not bothered if the dog is licking the plates or playing with the vegetables that we are about to eat. They just want to spread a message 'Love for all'. I have got so much of love through their food that I just pray to GOD nobody else offers that much of care and concern via food. I can't take it anymore. ❖

Important Websites..!!

1. www.codechef.com:

A Programming website for all the programmers out there with lots of questions and tutorials.

2. www.ebay.in:

eBay is the world's online marketplace; a place for buyers and sellers to come together and trade almost anything!

3. www.dropbox.com:

Dropbox is a cloud storage service with a free 5gb storage.

4. www.rechargeitnow.com:

RechargeitNow is a first of its kind, 24x7, multi operator web based, instant pre-paid recharge station.

5. www.gsmarena.com:

For all the mobile and gadget freaks. Always updated with the latest news.

6. youngentrepreneur.com:

It is one of the largest and fastest growing small business social networking forums for entrepreneurs.



Simply The Best Vacation so far

Yesoda Bhargava

Summer vacations had started, I was excited that finally my quest for going to IIT for a long period of time was going to be a reality. I just could not stop speculating what IIT would be like, its people, its library, its hostels and yes most importantly THE FOOD. I was happy, excited, my brain full of endless questions and yes, suddenly RESPONSIBILITY had started to seem as a very big word. Day one was pretty adventurous, I am sure if any memory that is the deepest has to be the D-Day's. To mention the least, I actually learnt what goes into making a dwelling at a different place with different people, who look straight into your eyes as, "What-Is-This-Person-Doing-In-This-Part-Of-The-World". I personally met with IIT Kanpur as a beautiful place, a peaceful place, sprawling campus managed very well, clean, lively (though first 2 days seemed depressing). I was there for my B. Tech Project along with one of the colleagues that lasted for 67 days. Studying in IIT, is everyone's dream, a predilection, and I was no exception.

Somehow the feeling of being associated with it gives a feeling of pride and achievement. But as they say, if you get what you want it's good, if you do not it's even better. So, with this adage in my heart I had come in this wonderful institution I am in today. And after this, the zest had pervaded all the more in some corner of my heart. And you can imagine the joy that must have dawned upon my heart when the opportunity had finally come. Yes, I felt really happy and that happiness increased every single day at IIT. First two days were spent in exploring the campus, another two in arguments with the pesky supervisor of the hostel that was the home for the time spent there, but eventually everything became settled. And the work began soon. It was not easy, drained every single neuron in brain that was, and I could envisage how hard working everyone at IIT was. The labs never remained closed, not even at night, and students knew the importance of time, sports and physical activity. They ensured that by the evening they were in their

sports shoes in the playground, playing, jogging, running, for tae-kwon-do classes and much more. Ours Intelligent Systems Lab of Dr. Behera, very well equipped. The things of attraction were the Pioneer Robots, manipulator and the newly come robot, The Guardian Wam. One of the things that I never seen anywhere is that in our lab very frequently Prasad used to be served by students working in the lab, they were very spiritual. That is one of the things that I recall when I think of the time spent there. How can I forget the library? P.K.Kelkar library was huge, some sections of it actually reminded me of the Restricted Section in the Harry Potter Series. Another good thing about IIT-K was its internet connectivity, the speed was awesome and I do not think I found any site blocked. For the time I was there, I could see how balanced the situation was between the student fraternity and the management. Everything that student said was welcomed with calm bent of mind, their comfort was above everything. I forgot to mention, we had a bicycle also, you cannot imagine

Dr. Behera, very well-equipped. The things of attraction were the Pioneer Robots, manipulator and the newly come robot, The Guardian Wam.

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could see how balanced the situation was between the student fraternity and the management. Everything that student said was welcomed with calm bent of mind, their comfort was above everything. I forgot to mention, we had a bicycle also, you cannot imagine spending 4 days in IIT without bicycle, its huge and vast, and given the heat that comes in this part of the world, and the rain that does not come, the thing to take care for you are the air-conditioned labs and a bicycle to quickly ferry you to place of despite. The time spent there has been the best, particularly because it brought up the best in me, it was challenging, and then eventually became interesting. Meanwhile we also got an opportunity to attend

the Workshop on Advances in Robotics at IIT-D. It added the knowledge about how vast the field is, it's not just about robots achieving few homing tasks, or carrying out activities of load sharing etc, robots are ensuring their usage in every field. I just cannot get the image of robotic machines treating the tumor inside human body out from my mind, it was a pleasure to see DRDO, BARC's research work and coming up with commercially useful robotic machines. IIT-D though made me miss IIT-K.

All in all, the vacations were well spent, the experience in itself beautiful, I returned with a heavy heart but satisfied and happy. My best so far AND YES I MISS IT.... ❖

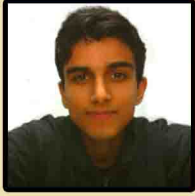


The Repentance
Nishant Agrawal

A trivial watch, even a slight
look at it ever,
But a touch of heart to it never,
Paying heavenly, I regret as one
tick pass by,
Bless of God is when you pres-
surize it over,
A bond even a weaker makes
might,
No wealth buys such friend to
fight,
Minutes and hours are just the
showcase,
Toys of hope and pain packed
here tight,

Life is neither a stage or game
but an unscratched effigy,
Tools of virtues wields who
paces with time,
No one is merely a stage player
but a runner,
And the fastest only un-eclipses
his sunshine,
Proudly saying a golden future
awaits me,
I lumbered towards the dark
one,
And I shammed myself keeping
watch the moonlit,
Till all the watery joy eluded

from my eyes,
Failure is never a result but a
trick played,
And the best one you learn
having a loquacious friend,
Who makes you dream just the
mien of the
unconquered world,
And finally tears of dad realises
all was just being lulled... ❖



The Microsoft Interview

Dinesh Kumar

The Warm up - 13th Aug

A testing services company, MeritTrac, conducted the preliminary qualifying rounds in two parts. First was an online aptitude cum technical test, 30 minutes each. Surprisingly (and to our much relief), they marked everyone 'cleared' for the first round. Second part consisted of three coding questions, namely, rotate a 2-D array by 90 degrees, reverse a C-style string, and form a BST from a doubly linked list. It was a subjective evaluation, in that it did not involve any feedback on correctness, let alone efficiency, optimality, etc. And then we wait for the actual Microsoft IDC recruitment team to come and announce the results for the pre-rounds.

The Final Day - 17th Sep

After about a lunar phase cycle, the pirates arrived with their arsenal of interviewers. Four men and the Lady. Captain 'The Pro' headed the crew of three young pirate lieutenants, while the Lady took care of humanly affairs. And to hire somebody on-board is a serious affair, lest some thief may sneak in (for a pirate is more than a thief). After a brief pre-placement talk, the interview rounds began for

some candidates, while remaining selectees were to participate in a group discussion first. My first interviewer started out by posing a simple scenario (adapted to suit the pirate story). Assume all the coins (a very large number) ever collected by a pirate ship are sorted in order of their denomination, and a new heist results in, say, 50 more coins. Sort the updated collection. A simple merge procedure to obtain the required sorted collection was an okay answer, assuming an auxiliary space. On being asked an in-place solution, a plain insertion sort seemed optimal because for a nearly sorted input, its time complexity is $O(n+d)$, where d denotes the number of inversions.

Next comes another simple problem. Some pirates are in debt while some have a fortune. The captain picks up a pirate, at random, the Chosen One. Among the remaining pirates, find any pairs (if any), that fare combined wealth equal to that of the 'Chosen One' (adapted from the original interview question). Sort the pirates in order of their wealth and then for every pirate let a binary search guide to the matching

pirate (if any). He asked to come up with more than one solution and test all of them. Finally, a question or two on hash tables, and one on thread-based parallel CKY parsing algorithm concluded the interview. I was asked to dine and come back for another round. The next one mainly focused on machine learning. He asked me about my hand-gesture recognition project during internship period at Samsung, particularly about the learning-based adaptive skin-segmentation component. Then he asked me to come up with some good features for a spam filter in a supervised setting. This was followed by a few questions on neural nets and SVMs. The interview concluded with a standard question on randomized quick sort.

The moment he relieved me, the Lady took me to the Pro, a nice, intelligent man. He reviewed my grade-sheets for a while and suddenly exclaimed, 'How the hell did u get a C- in advanced graph theory?', and I was speechless for a moment. While hesitating, I told him the honest reason, and he seemed satisfied. After a brief attention to my Coursera courses, and mutually admiring Andrew Ng,

solutions & also implemented best-fit strategy. The interviewer carefully examined all the data structures. While I was working, suddenly the Pro got all excited. “This is the passion I was looking for”, he said. To my much surprise & delight, I was chosen to be a young recruit on-board their ship.

The whole recruitment process seemed to focus on how one evolves during the interview, and comes up with a better solution. In all, we make mistakes, but try not to correct them by making random changes. Ask for hints, & make sure to heed to them. Say it out loud. In fact, feedback of my first interviewer dissuaded my tendency to work all-quiet & just give away the final solution. And yes, test it all you can before saying ‘I’m done’. I was able to spot range overflow in one solution thanks to testing beforehand. ❖



Directi Interview Experience

Prabhat Kumar Gupta

One great thing about Directi selection process is that they do not rank candidates on the basis of CGPA. Your potential is judged in interviews which primarily focus on testing your algorithmic problem solving skills. Selection process consists of a written test and a coding round followed by a series of interviews. Written tests have mostly mathematical probs. which access candidate’s thinking & analytical abilities, easy part. This year’s coding round consisted of 2 problems in 90 mins. Problems here are much easier and they just want to make sure that you can code. After clearing the 1st two rounds, interviews were held at their Mumbai office. There were 3 rounds of interview(6 hours & 10 prob.) and surprisingly, all of them were algorithm round (no technical, no HR).

The first interview wasn’t so hard. Interviewer was cool and gave me hints and plenty of space to work my solutions out. He asked me 3 problems in this 1 ½ hour long interview, all problems were easy. Second round was most important aimed to find the candidate’s break point. The difficulty level of the questions is increased until you come out of your comfort zone and they see how you think of completely new problems. It took around 2.5 hours and he put 5 problems. He kept on asking me to optimize my solutions. Finally, I was able to solve all of them (with their help of course). The final round was with the CEO via video calling who had the report of my previous performance. He asked me 2 probs. from codechef and kept pressing on to optimize my solution. Overall, none of the problems was difficult to solve. The key is how you approach to the solution. and reach to the most optimized one. Tell them every solution you have in your mind. They only want to see how you find a solution to a new problem. If you already know the answer to the problem, you don’t get any point. It’s better you tell them that you already know the solution, they will know otherwise.

Lastly, for those who want to be in Directi, I suggest you code a lot. Solve the problems on your own instead of reading from careercup or cracktheinterview.com. The problems here are tricky and most good interviewers do not ask tricky problems. This might help you in other interviews but certainly not for Directi. You can choose any platform for coding but I personally feel, top-coder is best for practice. Also prepare for a technical interview, they ask a lot of good questions from operating systems (not in my case).

Best of Luck and happy coding! ❖



The Quest for Jerry

Avijit Gupta (Alumni, IPG-2006)

“Avinash, you have got to help me”, said Hitesh

I thought over it for a while. I had been selected as the systems administrator for the institute a few months back. The post had been held by the most prestigious students of the institute in the previous years. As soon as I was selected, I had immediately felt tremendous responsibility towards my duty as a system administrator. I had access to the entire institute network and it formed my duty to be a guardian of confidential data. I had complete and unequivocal authority over the institute network. I had decided never to abuse that power. I had never used my power for any personal gain, and this situation was in no way different.

“And why should I do so?”, said I, knowing in entirety that what he was asking me was not in any way ethical.

“Because you know how to do it”, he said

“I know how to open the director’s email. Does that mean I will do it?”

Hitesh was beseeching me to

to dig information of a very specific nature. It had been six months since he had secretly started liking Akansha, who for some reason appeared under the name Jerry on his chat list and mobile phone. During the initial days I was curious to discover her identity. But Hitesh had averted all conversation on the matter. I had somehow extracted her number from his mobile phone, saved it in mine under the same name, and traced its location to Madhya Pradesh. Given the limited interaction Hitesh had with female counterparts, it almost seemed obvious our Tom was chasing a Jerry that dwelled in close proximity. Finding the student who owns the cell phone is one of the simplest things in college. My tremendous network spread over many junior batches helped me discover her name. She was a popular lady in one of our junior batches.

Even though she was a girl from college, Hitesh had communicated verbally with her only once. What I somehow could not fathom was the manner in which such a communication had been possible since Hitesh

inadvertently and irrevocably lost command on his speech each time he had more interesting things in his view. However, he soon realized that chatting over the internet with girls not only enabled him to introduce complete sentences in his conversation but also helped him avoid the awkward glances that could hardly be appreciated by decent and sober girls.

He had been chatting with her for months in a way that he regarded intimate and had already professed his feelings for her over the internet. She had not stopped chatting and this seemed encouraging to him. In a way, he considered himself on her hook. This had continued till before our institutes’ cultural fest, Aurora, had helped tie new threads of friendship in Akansha’s heart. To Hitesh’s dismay, she had started spending an unusual amount of time in the company of a handsome boy - Manyu, over six feet tall, the organizer of the fest. Realizing that height and health had never been his strong points, Hitesh wanted to avoid any form of squabble that might occur if he professed his love for her in a more intense fashion in the

future. He wanted to know for sure if she was not committed. Each source he tried had reported differently. The only way to know about the truth was somehow getting hold of her computer. If she was in love, she would type it out, either in form of a journal or simply, chats.

“I am not asking you to leak a question paper. I just need this information. Can't you get that done for me without using any of your exclusive powers?”, he insisted

His question was interesting. I was a novice at the art of cracking but this seemed like a good learning opportunity. I could discover the vulnerability of the institute network by thinking like an attacker who did not possess any special privileges. I had found out a way to bend the definition of responsibility to do something that would not only help my friend escape his misery but also improve my understanding as a system administrator. However, the true motive, that lay stealthily beneath was pure fun. I wanted to know what it would feel like when I could leave a note on her system saying, “Beware! You're being watched.”

He looked at me intently while I weighed the pros and cons of the entire proposition.

In a few seconds, I had decided.

“I'll do it, but on one condition. You will not get the password for her mail account. I will just provide you with relevant data that confirms her status.”

“Great!”, he said. “I don't have any problems with that.”

It was a sunny winter afternoon when I sat before my laptop, trying to analyze how to take control of her system. Cracking can be something boring, even painful for people who are not experts at it. I had managed to sniff out her IP using a normal IP scanner. The entire girls' hostel had only one “Akassha” and keeping her systems hostname same as her own name provided me with her IP address, the first thing that I required for an attack.

The next thing I needed was a service that could be exploited. A service is generally exploited using a vulnerability that the developer fails to secure; common ones being heap or stack overflow. I used a simple port scanner to search for open ports on her system. I discovered the port 445 open, and looking at the version of the operating system she was using, I knew that I had found a way in.

The version of samba her system was using was un-patched and prone to heap overflow. I could exploit this service sitting in the boys' hostel without her ever coming to know of it. I knew her IP and the destination port. I used an application that provided an inbuilt script to initiate a remote heap overflow attack, something that would help me hit the final blow and let me enter. As soon as I had written the command, like a flash of lightning, my finger hit enter with a full force.

A series of green star signs appeared successively on the screen, each indicating the completion of a successful step towards the exploit. This continued till the final step was complete and I had made it to an intermediate console. I was only one command away to finding out if I had been successful in obtaining full control of her system.

I typed my final command and pressed enter. In just a moment, the cursor was blinking at a new console. C:\Windows\system32>_

It was the shell, or in simpler words, a command line interface to her system. I realized that her system had become my property as I turned off her firewall for further exploitation.

As soon as I was in, I felt tempted to browse her files. I could see many folders that contained JPEG (a format for pictures) files. I could infer that these might well be personal photographs, or photographs of the girls' hostel. I had an instant desire to copy all the files remotely onto my system. Besides, I had her entire system, all its resources and hardware including her web camera at the disposal of my fingers. The extreme temptation would have resulted into a moment of weakness if my phone hadn't started ringing. I looked at the phone as it danced, around the table, waiting to be answered.

"Hey Sneha! Not a good time..". I said

"Why? You cheating on me?", she said humorously

"What I am doing cannot be classed as fair play. But I'm sure it's not you that I'm cheating.."

"And what exactly are you doing then?"

I was thinking about the safest way to procure the information that I required. I decided to go with the keystroke logger.

A keystroke logger that provides the attacker all the

keys that had been typed by any user on a computer system in a particular duration of time was the easiest way to get her chats. While signing into her email account, she would have to type in her password which would get logged neatly by the keystroke logger. I started the logger on her system while I was still talking.

I told Sneha about the entire story about how Hitesh liked Akansha and would propose to her only if she wasn't committed. I explained how it was my duty to help my friend at this hour of need.

"Well, Of course. You could do that.", she said.

After a moment's silence, she continued, "On the contrary.."

And then she suggested me a far better alternative, hearing which I started laughing, admiring her mischievous mind. I had always considered her a class act at planning the core of mind blowing gags. This suggestion had reinforced the admiration I harbored for her cunningness and wit.

Our talk had soon reached a conclusion.

"Why don't you come to Indore on some weekend? I want to meet you", she said

"Yeah. Even I want to meet my girlfriend. I'll try coming as soon as my minor exams are done.", I replied, trying to sound sweet

"Good night Avi. I love you." My heart sunk a few notches deep as soon as I heard the three words. This was the first time she had said it, the first time anyone had, after Jia. I was taken aback. My involuntary senses had taken over for disaster management.

"I too", I said

I heard her smile as she disconnected the phone. I let the logger run till late night till Hitesh told me that "Jerry" had signed off from her chat client. I knew that by then my logger had recorded all the keys that had been pressed by her since I had taken hold of her system. I opened the logged file and found the password written neatly right next to her email id. I used her password to log into her email account and started reading her chats. I now had the answer that Hitesh had been looking for so long. I was on verge of pasting her chats on my system when I heard my phone ring. I sat petrified glaring at the flickering screen of the mobile phone that displayed an unusual name. ❖



Why are the birds so angry in Angry Birds | Review

Anindya Kumar

Something of a cultural phenomenon by now, Rovio's Angry Birds franchise is one of the few in gaming to capture the general public's eye, time, wallet and wardrobe, becoming the poster child for "the future" of the industry. It has been called quite a few things in its meteoric rise: Herald of the death of dedicated gaming handhelds! Rip-off! Charming! Hollow! A great value! Worthless!

In case you have yet to experience Angry Birds in any of its ubiquitous releases, a flock of ticked-off fowl go to war against greenie meanie pigs by way of catapult, shooting themselves to take down the pigs and cause as much destruction as possible

Despite whatever the nayers say, it's easy to see how Angry Birds has struck such success — the endearing art style, silly sense of humor and devious score hooks make a potent concoction.

But Angry Birds' true strength lies in its "tension", the floating moment between lining up a shot and hoping that it ends in a satisfying

crash-bang-boom of pigs and tinker toys. This feeling can be exhilarating, and the highs of victory and the ease of starting over after an errant or unsatisfactory fling hooks players into an addictive loop. That next star always feels within reach, so why not just get it now? You're already there, after all, and you wouldn't want to double back later and have to rethink the strategy you're been working so hard to perfect, would you?

So, long story short, their success is driven by a lot of factors outside the game. The perfect game, for the perfect platform at the perfect time. Rovio doesn't have a secret formula. Keep in mind that Angry Birds was their 52nd game! So ultimately, their virality was based on word of mouth from millions of people playing the game hence making it Finland's biggest cultural export.

Why are the birds so angry in Angry Birds?

The birds are determined, even angry, because they are a locked into an existential

species. Now since this piece did not contain anything out of the blue I did some research to find this on the web:



Many people believe that Angry Birds is simply an amusing time-waster game, whereas in fact it is a magnificent historical reconstruction of the tragic end of the dodos. This occurred because Dutch sailors brought pigs to the island of Mauritius, which plundered the dodos' nests and ate their eggs and ultimately drove the birds to extinction. The clinching evidence for this interpretation is that dodos were flightless birds, so of course they would have needed to use catapults. And while you are mastering Angry Birds try out few available versions by Indian developers

- 1) Angry Brides by Shaa-di.com
- 2) Angry Anna by Geek Mentors studio. ❖



Node

Piyush Singhal (Alumni, IPG-2007)

The article provides an introduction to Node. You should watch the video titled “Introduction to Node.js with Ryan Dahl” on YouTube, to know more what I am talking about. Coming back to the point, Node.js is a platform build to develop applications on JavaScript which are able to perform networking rather than just a fancy play with the web-pages in the browser. If you are looking for a tool to build web applications which are much responsive then this the thing you should look for.

Node comes with all sorts of built in library to look after the underline networking. You don't have to bother about a server to run your web site, node does that, you just have to include the required module and it works like magic. Node is completely event-driven i.e. It executes code asynchronously based on events that occur, just like JavaScript does it; Most of us who have coded what should a button on click do should know what's going here. For an example the following code snippet “`require('http').createServer().listen(80)`”, creates an HTTP server listening on port 80, that's it no more huge config files to

edit, of course you need to run this with node. There are certain disadvantages to node's architecture too. Since node employs a single thread to process all the incoming requests, any fault/exception causes the entire server to go down, though I read there are ways to prevent this from happening.

One can also work with web sockets to build application with push notifications, and this is the thing that made me to know more about node (I am still learning :P). e.g. A chat-server like application. You don't have to keep polling the server explicitly to get the notification back to the client. Since these sockets rely on persistent TCP connections between client and server whenever the logic on the server end finds a notification meant for the client; it sends it back to the destination and the client logic responds accordingly. All this is made possible by “EventEmitter” class of node's module “events”. Objects which are of type EventEmitter have inherent capability of emitting events. An event is nothing but a string with some associated data. e.g. This code snippet

will give a fair idea about events.

```
//assuming 'server' a web-socket
server.on('connect',
function(client)
{
    client.emit('data',
'Welcome!')
})
// client side
socket.on('data',
function(data) {
    alert(data);
    // “Welcome” alert
})
```

These event-strings (don't know what they are called formally) can be anything. As it is evident from the snippet the function 'on' is for subscribing to a particular event, and function 'emit' is for raising a particular event. All this 'emitting' and 'subscribing' events makes Node event-driven. And this methodology is what makes an application built on node responsive. Consider a scenario where an application reads a humongous file on local file system and gives the content of the file as the output. Had this been achieved via some other means e.g. PHP (without AJAX) the call to read the file would have been blocking thus making users wait till the task is finished and then proceed with other things. But in case

of Node the client just subscribes to the event signalling the completion of file read and without waiting proceeds with other task on its way. Whenever the server finishes reading the file it raises the required event and the client has the data to show to the user making the overall experience much smoother.

There are numerous other applications which can be developed with Node utilising its full potential. More and more sites are coming up which are built on node. Number of web-development framework for node like "express" are also available. Video tutorials about node located at "http://nodetuts.com"

will give you a fair idea on what all things could be done with this new technology. ❖

Mr. Piyush Singhal

(2007IPG-43) is working for Microsoft, Hyderabad. His friends' calls him is as Scientist, he was die hard pop music lover and great programmer. He was Server admin during 2009-2011. We can never forget his polite and helping nature.



MTech or MBA (or the two flip sides of the same coin)

Naivedya Jain

Well this one is a million-dollar question for most of the average guys studying in IITM. Mind it! by average I am referring to a guy (or a girl for that matters! feminists are on an outrage these days u gotcha move cautiously) aahh.....by average I am referring to a guy who is bewildered, what to choose Mtech or MBA. Sadly, though this domain is untouched and is perhaps one of the cornerstones in building a career path.

Some of the guys out here are like "I like to code but I don't love it unless I find its immediate use in practical life". Common to fall in love you've got to find someone attractive. The algorithm which I would like to share

actually is a cake walk for a <geek> tee wearing guy but for a MBA stuffed mind it's a money making guide.

Chalo! Leave it, lets begin with a simple problem (reminds me of DAA Class) we all know what a knapsack problem is.....ahh second or first year...guy.....or forgot it! Okay let's do a quick recap.

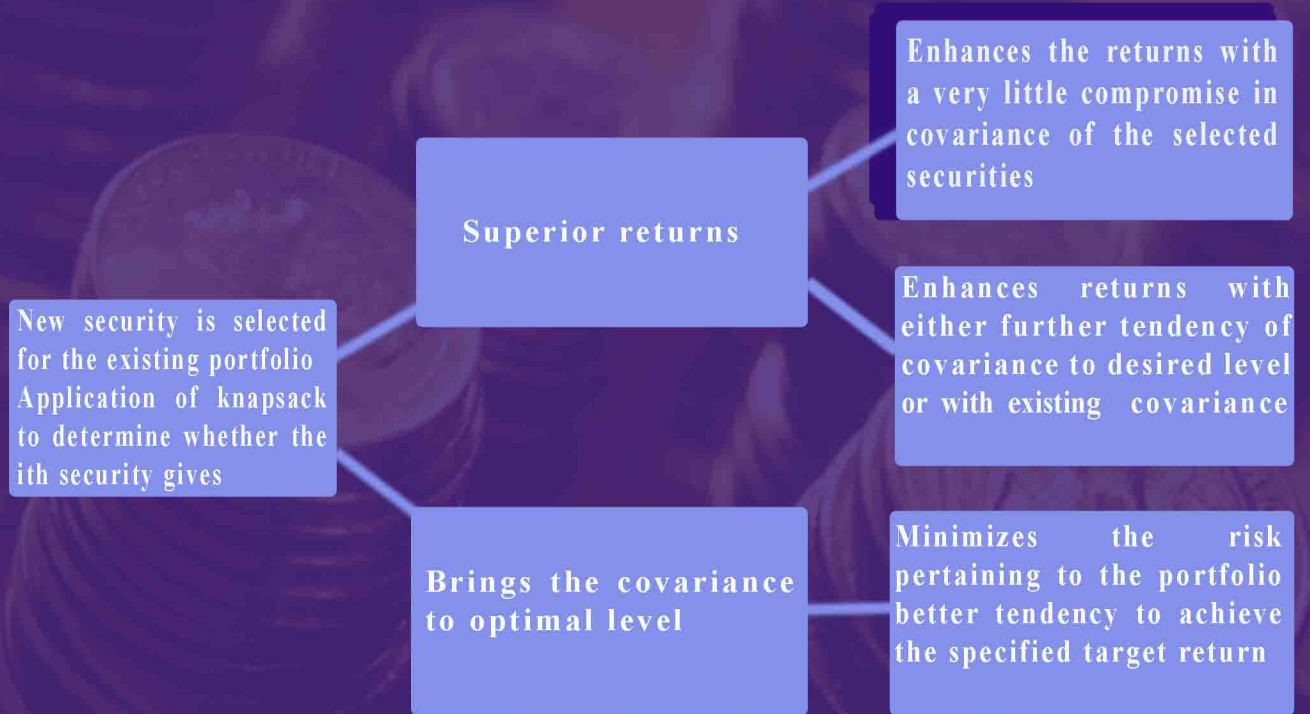
It talks about if you have N items of length S1, S2.....SN then how many items from the subset of N items should be taken to fill the sack of size S. Anyways leave it if you don't get it....go to Sanchi and see the Elaichi milk crate it has 12 bottles. But for the first time someone would have tried to fill the crate with more

bottles by hit and trial. But 12 was the maximum number he could fill with. EUREKA! Knapsack does the same thing.....now leave the crap.....

Ever heard of term "Stock market"? I know u have and the next word you would say "bada risky business hai", the hearsay cult. But it was exciting to see that this algorithm could be used for making this "risky dhandha" quite a bit "risk free".

APOLOGIES! to the MBA guys till now I was referring to a <geek> who might/might not have a very insightful information about stock markets! For an MBA Guys the code

actually is "optimize covariance selection technique". Sorry "kaunse stocks loon kee fayda range to a sustainable limit to achieve a desired or prespecified goal by optimizing the security to minimize risk" or simply process is simply: it simply means, "it will help ho ghata nahi aur you how to expand your ghata ho par zyada nahi(if in portfolio in the stock market case)". For MBA lovers the



WHERE PORTFOLIO MANAGEMENT THE MORAL OF THE STORY:- SAYS:

Portfolio management theory says the standard deviation of risk for portfolio is not the mean of standard deviation of individual portfolio.

This was a brief insight to one of the algorithms that can be easily applied to develop a software for "easy portfolio selection" it might not be that good as stock markets effectively deviate from efficient market hypothesis.

The above algorithm is currently in development and is bound to some fundamental errors."MBA Guys would have found some already." But here my primitive focus is to make you aware of an untouched domain "ALGORITHMIC ECONOMICS". ❁



Hello World!!!

Swapnil Srivastava

The phrase of this topic seems to be very familiar to the Computer Science students. We have used this phrase each and every time when we have learned any new computer programming language. But we haven't thought about the history it possessed. Why we always get the Hello World program as the introductory program in every book? We'll talk about the significant meaning and purpose of this phrase in this article.

I would like to briefly trace the known history of "Hello World!!". Since the late 1970's it has been a tradition in computer science of facing a new system to start by writing the traditional "first program", which is called "hello world." The history of this tradition is not well documented, but WikiBooks claims the origin is in Brian Kerninghan's 1974 tutorial for the computer language "B."

The program itself is as follows:

```
main() {
extern a, b, c;
putchar(a); putchar(b);
putchar(c); putchar('! *n');
}
```

```
a 'hell';
b 'o, w';
c 'orld';
```

The most famous (and a pure) example of "hello world" is found in Brian Kerninghan and Dennis Ritchie's famous 1978 C book.

The code looks like the following:

```
main() {
printf("hello, world\n");
}
```

Equally famous are the early versions in "BASIC":

```
10 print "Hello, World!"
```

In both of the above example the purpose of "Hello, World" is clear. It is just a small computer program which prints a single line to check whether the language is working properly or not. Writing "hello world" as the first program on a new system was certainly a well known tradition by the late 1970's.

Now we can research whether this tradition showed up late or early in the history of computer science. The first modern computer is commonly credited to John von Neumann in 1945.

This attribution of "first" was made before a lot of previous secret information on Bletchley Park's and Konrad Zuse's work in Germany were well known, but von Neumann's work was definitely the known foundation that later work built on. Donald Knuth credits von Neumann with the first modern computer program. In any case we can securely place the invention of the modern computer to the early to mid 1940's. It seems like "hello world" was not written at that time because it made entirely the wrong rhetorical point.

In fact von Neumann's first program (in 1945) was a sorting algorithm (proving the computers could at least replace tabulators)- it was important to prove that not only could the computer turn on but that it could do something. The 1957 description of FORTRAN starts with a program that solves for roots of an equation. John Backus himself says the prior to 1954 "almost all programming was done in machine language or assembly language" (which would make "hello world" an unlikely first program as much more numeric operations are typically succinct

than string manipulations in these languages).

The computer language “BASIC” seems almost designed to support “hello world.” Instead the 1964 BASIC manual starts with a lively discussion of what a computer program is (as a process) and the first example program is a highly useful program that solves simultaneous equations. The point again being that useful work can be done.

With the increasing complexity of modern systems “Hello World” is a more important test than ever. “Hello World” is sometimes called the hardest application to deploy. The idea is that once you learn your lessons from deploying it then deploying a second, more sophisticated, application seems relatively easy. I often find that I can learn the true nature of a system by deploying “Hello World.” If writing and deploying “Hello World” is a sufficiently unpleasant task in a system then it is likely that every other task in that system will be similarly unpleasant.

So this article concluded the importance and history associated with the famous phrase of computer science i.e. “Hello World”. Hope everybody finds this article interesting. ❖

5 Programming Languages That Can Redefine IT

Opa: It proposes an entirely new paradigm for Web programming. In an Opa application, the client-side UI, server-side logic, and database I/O are all implemented in a single language, Opa.

Google Dart: It is designed to be familiar, dynamic, and fluid as JavaScript and also allow developers to write code that is faster, easier to maintain, and less vulnerable to bugs.

Fantom: It is designed for cross-platform portability, allowing you to choose platforms like Java or .NET in the middle of a development.

X10: IBM Research is developing X10, a language designed specifically for modern parallel architectures, with the goal of increasing developer productivity 10 times.

haXe: It is a multiplatform language that can target diverse operating environments, ranging from native binaries to interpreters and virtual machines.

Special Thanks For Comic and Designing -

Ronak Dhoot (Alumni IPG-2007)

Manuj Tewari (IPG-2010)

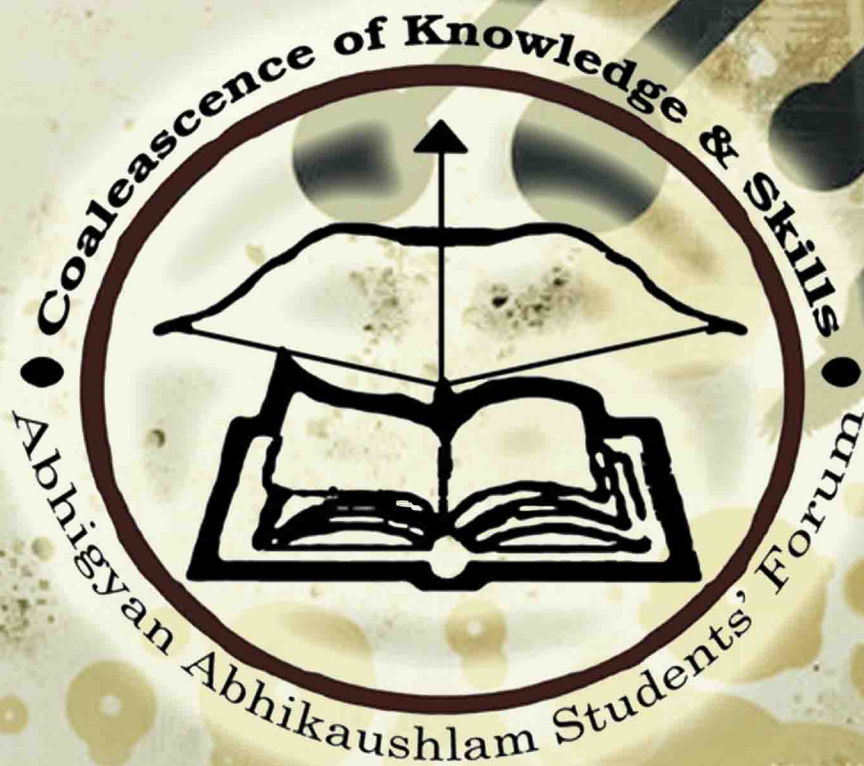
Kanaparthi Sai Vivek (IPG-2011)

Shristi Agrawal (IPG-2011)

AASF (formerly ISF) *Executive members*

...coalescence of knowledge and skills

Executive members	Faculty/Student	Part of AASF Since (year)
Prof. Y M Gupta	Faculty Advisor	2003
Ashish Jha	IPG-2001	2003
Saurabh Sharma	IPG-2001	2003
S. Ajay Kumar	IPG-2002	2003
Dhruv Joshi	IPG-2003	2004
N. Raghavan	IPG-2003	2004
Shishir Chandrol	IPG-2003	2004
Dr. A. K. Saxena	Faculty Advisor	2005
Amit Gupta	IPG-2004	2005
Kunal Kapoor	IPG-2004	2005
Mayur Gupta	IPG-2004	2005
Prof. Om Vikas	Faculty Advisor	2006
Aditya Arora	IPG-2005	2006
Manyata Goyal	IPG-2005	2006
Rahul Kala	IPG-2005	2006
Dr. Joydip Dhar	Faculty Advisor	2007
Dr. P. K. Das	Faculty Advisor	2007
Dr. Anupam Shukla	Faculty Advisor	2007
Aniruddh Srivastava	IPG-2006	2007
Bipul Pandey	IPG-2006	2007
Gunjan Nishant	IPG-2006	2007
Prachi Jain	IPG-2006	2007
Anurag Upadhyay	IPG-2007	2008
B. Sushmitha	IPG-2007	2008
Ronak Dhoot	IPG-2007	2008
Dr. KK Pattanaik	Faculty Advisor	2009
Ark Mishra	IPG-2008	2009
Kamya Jaiswal	IPG-2008	2009
Tushar Sharma	IPG-2008	2009
Ankita Ahuja	IPG-2009	2010
Ankit Katiyar	MTECH(IS)-2009	2010
Ketn Jain	MBA-2009	2010
Nitish Bhardwaj	IPG-2009	2010
Payal Anand	IPG-2009	2010
Renu Verma	MTECH(VLSI)-2009	2010
Siddharth Dharmadhikari	MBA-2009	2010
Vishwa Prakash Gayasen	IPG-2009	2010
Abhinav Saxena	IPG-2010	2011
Rajesh Kumar	IPG-2010	2011
Surbhi Arora	IPG-2010	2011
Swati Sinha	IPG-2010	2011
Aditya Verma	IPG-2011	2012
Chitranjali Banjare	IPG-2011	2012
Rajkumar Verma	IPG-2011	2012
Riya Naval	IPG-2011	2012



Abhigyan Abhikaushlam Students Forum

(ABHISHAR, A-216, ABV-IIITM, GWALIOR-474010)

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