From the Director’s Desk

It is very heartening to know that the Government of Orissa has setup a taskforce for revamp of the technical education in Orissa keeping in mind the changing national and international scenario for the next 25 years. This is in sync with the bold thinking which is on at the office of the MHRD Minister, Shri Kapil Sibal. While one can feel depressed with the old adage, “the more things change, the more they remain the same – which is very true of India”, this time around, people are more hopeful. While the country has to provide for a huge jump in the Gross Enrollment Ratio to 15% in higher technical education – the lack of government resources makes it an impossible task. We can hope to see more PPP models, more foreign universities, and more distance education models in the near future. The debate is wide open – we need to hear from our students regarding their views.

On other fronts, I am happy that the work on air-conditioning the Central Library is in full swing and the same will be completed within one/two months. This will add to the infrastructure already in place and fulfill one the long pending wishes of the student community. The work on a new parking lot and a swanky new café center near the entrance is in full steam.

With Best Wishes

November 15, 2009

Sangram Mudali

From the Editors’ Desk

When we burn the midnight oil, scratch our head and thump our feet, may be, we indicate the advent of a stressful time, the hour of Exams. This lets the students forget everything but studies. The time that has fled by during the past few months has to take its price in the coming exams (the teachers say it!). The apprehensions loom large in the sky of uncertainty and the heavy load of books mock at the murky readers, ‘As you sow, so you reap’. The editors are not in the mood to frighten you about the forthcoming grueling times but reminiscences of their school and college days remind them of the status of students prior to exams. Be it a tough paper or favorite subject, both exert equal amount of stress at this hour. “If you sweat more at the time of peace, you won’t have to waste much blood at the time of war” – sounds awesome in some motivational books and is also powerful enough to inspire millions but darts directly through the heart when used as a piece of advice at this crucial juncture. What the students follow is the path shown by their inner instinct to the best of their capacity and capability.

We wish the next one month would bring all your good spirit to work, either by self reading, browsing the books in the library, consulting the teachers concerned, and guide you through all your hard and bad times and make you do fairly well in your forthcoming exams in the month of December. This one month before the BPUT exams can’t be wasted at any cost and NIST students would surely prove their mettle in the battle ahead. Wishing all of you a lot of ‘O’s and ‘A’ s.

Happy reading and All the Very Best for your Exams!

[Views, comments or suggestions are welcome at editorsnistenews@gmail.com]

Amrut Phalguni Mohanty

Dipti Ranjan Lenka

National Institute of Science & Technology, Berhampur, 761008
Dr. Surjyo N. Behera Emeritus Professor, National Institute of Science and Technology was the Chief Speaker in the colloquium, “Raman Scattering from Nanocarbon”, organized by Department of Physics at Drexel University, Philadelphia, Pennsylvania, USA on 8th October 2009. Dr. Behera is a well-known condensed-matter physicist and has published extensively in the areas of low- and high-temperature superconductivity, phase transitions, phonons and Raman scattering, atomic clusters and nanomaterials. He has served as the Director, Institute of Physics, Bhubaneswar and Vice Chancellor, Berhampur University.

IBM Center of Excellence Inaugurated

IBM Center of Excellence was inaugurated at the institute campus by Mr. Himanshu Goyal, IBM Country Manager, Mr. Vikash Manoria, IBM Academic Initiative Representative in the presence of Prof. Sangram Mudali, Director, Ms. Geetika Mudali, Placement Director, Dr. Ajit Kumar Panda, Dean, along with other faculty members, staff and students on 27th October 2009. It is the 1st of its kind in the state of Orissa. The MOU was signed between the institute and IBM and the relationship was established to give students and faculty the opportunity to work closely with the industry and utilize both the resources in the best possible manner. IBM, as a part of this collaboration, will be donating software worth lakhs in the fields of database engineering, software engineering, web applications, etc. In addition, IBM key faculty will be available to train our students towards certification. NIST faculty will work together with IBM staff on key projects, sabbaticals, research, etc. This collaboration would definitely give the NISTians an edge over others in the field of studies and research.

Papers Published


Conferences/Seminars/Workshops Attended

Ms. Runa Kumari and Ms. Malabika Patnaik, Faculty, Dept. of Electronics and Communication Engineering, participated in a one day Professors Workshop on ‘FPGA System Design using ALTERA Tools’ held at NIT, Rourkela on 19th September 2009. The resource persons, Mr. Raveendranath, VP, Market Operations, and Mr. Harinder Singh, Senior FAE, Enixy Technology India Pvt. Ltd. highlighted on how to provide an understanding of design implementation flow involved in FPGA design and implementation using ALTERAEDA Tools. Around 30 delegates from different academic institutions attended the program.
Infosys Technologies Workshops

The R&D and HR Teams of Infosys Technologies, Hyderabad conducted two workshops at NIST on 30\textsuperscript{th} October 2009. Dr. Ashutosh Saxena & Dr. Radha Krishna Pisispati, the two senior most R&D Leads of Infosys India (BOYSCAST FELLOWS), were the resource persons for the program. The workshop was divided into two sessions. Dr. Saxena, Principal Researcher in SET Labs, Infosys Technologies Limited, presided over the first session on the topic, ‘Information Security’ and discussed on the changing facets of Security System, with the advancement of IT, from physical and administrative mechanisms to automated tools for protecting files and other stored information; stand alone computers to the use of networks and communications links with measures to protect data during transmission. Mr. Radha Krishna Pisipati, Principal Research Scientist, SET Labs, Infosys Technologies Limited, Hyderabad, in the second session, discussed on the topic, ‘Business Analytics’ focusing on data mining techniques, unstructured data analytics and how these technologies enable business analytics to uncover actionable patterns from large datasets.

IBM Sponsored Workshop on DB2

An IBM Sponsored Workshop on DB2 was organized at IBM Center of Excellence, NIST during 6\textsuperscript{th} – 8\textsuperscript{th} November 2009. Around 80 students along with some faculty members attended the program presided over by Mr. Rajeev Kumar Mandal, the resource person of the program. The workshop was followed by a Certification Exam on 14\textsuperscript{th} November 2009 where 63 students appeared the test, which was coordinated by Mr. Mayank, AI Manger, IBM.

Allegreto, Tech Fest, BPUT

Mr. Simanchala Prasad Panigrahi, B. Tech, 5\textsuperscript{th} Sem, IT participated in the event ‘C Programming’ held during the Tech Fest, ‘Allegreto’, organized by BPUT at Bhubaneswar on 6\textsuperscript{th} and 7\textsuperscript{th} November 2009 and bagged the 3\textsuperscript{rd} Prize.

NIST Team as Best Quizzers

The Hindenburgline Quiz was organized by Symbiosis College of Management and Human Resource Development (SCMHRD), Pune on 31\textsuperscript{st} October 2009. It was an online contest and around 20 teams from NIST participated in the event. NIST was among the top 10 colleges of India and the team of Dheeraj Kumar Bhatt, 4\textsuperscript{th} year IT and Rohit Mohanty, 4\textsuperscript{th} year ECE was declared the best team of NIST.
**NIST Students at Utkarsh**

The students of the institute participated in the ‘Utkarsh-09’, a National level Technical Symposium under the banner of ISTE Students’ Chapter, held at Roland Institute of Technology, Berhampur on 30th & 31st October, 2009. The list of winners is as follows:

**Event: Paper Presentation**

<table>
<thead>
<tr>
<th>Name of the Students</th>
<th>Topic</th>
<th>Prize</th>
</tr>
</thead>
<tbody>
<tr>
<td>Susrita Das &amp; Chinmay Kumar Jena</td>
<td>WEP in Ad-Hoc Network</td>
<td>1st</td>
</tr>
<tr>
<td>Shahbaz Sarik &amp; Md. Ashraf Adil</td>
<td>Quiz the world using FPGA</td>
<td>2nd</td>
</tr>
</tbody>
</table>

**Event: AD Making**

<table>
<thead>
<tr>
<th>Name of the Students</th>
<th>Prize</th>
</tr>
</thead>
<tbody>
<tr>
<td>Md. Ashraf Adil</td>
<td>2nd</td>
</tr>
<tr>
<td>Shahbaz Sarik</td>
<td>3rd</td>
</tr>
</tbody>
</table>

**Event: C Programming**

<table>
<thead>
<tr>
<th>Name of the Students</th>
<th>Batch</th>
<th>Branch</th>
<th>Prize</th>
</tr>
</thead>
<tbody>
<tr>
<td>Simanchala Prasad Panigrahi</td>
<td>1st</td>
<td>IT</td>
<td></td>
</tr>
<tr>
<td>Manjit Sahu</td>
<td>3rd</td>
<td>IT</td>
<td></td>
</tr>
</tbody>
</table>

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**Noesis at Silicon**

NIST students participated in ‘Noesis’, the Technical Symposium of Silicon Institute of Technology, Bhubaneswar on 23rd and 24th October 2009 and bagged prizes in the following events:

**Event: C Programming**

<table>
<thead>
<tr>
<th>Name of the Students</th>
<th>Batch</th>
<th>Branch</th>
<th>Prize</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pruthviraj Subudhi &amp; Swadesh Kumar Nayak</td>
<td>3rd yr ECE</td>
<td></td>
<td>1st</td>
</tr>
</tbody>
</table>

**Event: Mind Whip (Quiz)**

<table>
<thead>
<tr>
<th>Name of the Students</th>
<th>Batch</th>
<th>Branch</th>
<th>Prize</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dheeraj Kumar Bhatt &amp; Rohit Mohanty</td>
<td>4th yr IT</td>
<td></td>
<td>2nd</td>
</tr>
</tbody>
</table>

**Event: Autonomous Robotics**

<table>
<thead>
<tr>
<th>Name of the Students</th>
<th>Batch</th>
<th>Branch</th>
<th>Prize</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rakesh Lenka, Biswaranjan Sahu &amp; Swarup Kumar Rout</td>
<td>3rd yr ECE</td>
<td></td>
<td>1st</td>
</tr>
</tbody>
</table>
NIST Welcomes

Mr. Sangram Panigrahi joined as Faculty in the Dept. of Computer Science and Engineering. He did his diploma in Chemical Engineering from Institute of Engineering & Management, JeyJore and his Post Diploma in ‘Man Made Fiber Technology’ from Institute of Textile Technology, Choudwar. He completed his B. Tech. and M. Tech. in Information Technology from JITM, Paralakhemundi and Tezpur University (Central), Assam respectively. He has worked for two years in pharmaceutical industry, Elam Pharma, Gujarat. His research interest lies in the areas of Wireless Sensor Network (WSN), Mobile Communication, Computer Network and Software Engineering.

Mr. Kunja Bihari Swain joined as Faculty in the Dept. of Instrumentation and Electronics Engineering. He did his B. Tech in Instrumentation and Electronics Engineering from NIST. Before joining us Mr. Swain was working with Virtual Instrumentation Control System Pvt. Ltd., Gurgaon as Programmer Trainee in LAB VIEW. His research interest lies in the area of Automation.

Mr. Kaushik Haldar joined as Faculty in the Dept. of Computer Science and Engineering. He has done his M. Sc. in Mathematics from P.G. Dept. of Mathematics, Ranchi and M. Tech. in Scientific Computing from BIT, Mesra. His research interests include Bio-inspired Computing, Computational Intelligence, Modeling and Simulation of Problems in Computer Science and other inter-disciplinary applications of Computer Science and Mathematics.

Mr. Chandan Kumar Behera joined as Faculty in the Dept. of Computer Science and Engineering. He has done his M. Sc. in Mathematics from Berhampur University and M. Tech in Computer Science from IIT, Kharagpur. Mr. Behera has more than 4 years of teaching experience to his credit. He has published 2 research papers in the journal, ‘ACM Sigplan Notices’, New York. His research interests include Theoretical Computer Science, Programming Languages and Algorithm. Welcome back!

Mr. Harish Chandra Sahu joined as a Lab Supervisor in the Dept. of Physics. He did his B. Sc. in Physics from Govt. Science College, Chatrapur and is continuing his M. Sc. in Physics from Berhampur University. He has also done his Diploma in Computer Application and Data Processing. He has worked for five years as a Chemist at Nagarjuna Chemical and Fertilizers Ltd. (NCFL), Hyderabad.

Mr. Gopal Krishna Dakua joined as a Pharmacist in the institute’s dispensary. He has done his Diploma in Pharmacy from Om Sai College of Pharmacy and Health Sciences, Gopalpur and Graduation from Anchalika Degree College, Jagannath Prasad. Mr. Dakua has quite a good experience in the field of Pharmacy at Sub-Divisional Hospital, Bhanjanagar.

NIST e_news wishes all of you a great career ahead!
An Evening with Music Maestros and Witty Master

The Governing Body Members of National Institute of Science and Technology felicitated the music maestros of Oriya Playback singing, Shri Pranab Kishore Pattnaik, Shri Tansen Singh, Shri Chitta Jena and also Shri Gyana Hota, Oriya Satirist, for their immense contribution towards shaping modern Oriya Music and Literature for decades, and creating a niche for themselves in the world of Art, Culture and Literature on the occasion of the Musical Night at NIST campus on 7th November 2009. The heart throbs of millions of Oriya song & music devotees across all genders and ages and the witty colorful writings of the well known satirist that has tickled the Oriya literature lovers for years, through their live performances at NIST Campus could not only steal the NISTians heart away but left an indelible mark in the mind and soul of all present on the occasion.

Thursday Lecture Seminar Series

Date: 22 October 2009
Speakers
Mr. Bhaskar Banerjee
Mr. G. Prasad

Title
Marketing of Self & Strategic Marketing of Agrochemicals
Recent Advances in control of Power Electronic Drives and EDSA software applications to power systems

Date: 29 October 2009
Dr. A. K. Padhy
Dr. Pawan Kumar

Title
Demerits of the Nanotechnology
Psychological aspect of interpersonal communication

Date: 5 November 2009
Dr. A. K. Panda

Title
Research Activities at NIST

Date: 12 November 2009
Ms. Runa Kumari &
Ms. Malabika Pattnaik
Ms. Anita Pati
Mr. Pramath Nath Acharya

Title
FPGA System Design using ALTERA Tools
Spiroheterocycles and their Various Application
Financial Modelling and Risk Management
Memories are fresh… It is a year after the 26/11 terror attacks rocked India like never before. The news was shocking and the loud explosion sounds scary. The terrorists struck at India’s financial nerve centre, bringing a city that never sleeps to a complete stand still. For seventy-two hours, we witnessed an event that transformed the psyche of our nation. Every feeling cannot be penned down. But…what is the condition now? It is so pathetic that even the lone terrorist survivor, Ajmal Kasab’s fate is yet to be decided, leave alone the question marks on national security.

One year has passed since the most gruesome terror strike in India took place. So much has been said and done, yet there is no progress in the investigation and trials; India’s 6 dossiers have been turned down by Pakistan, 7th dossier is being sent soon. Even though India has many proofs of Pakistan’s inclusion in the attacks, the response we are getting from our neighbor is unbelievable. Pakistan Interior Minister Rehman Malik said “Chidambaram should first take care of his own country and then blame Pakistan. Don’t threaten us. We can give better ones to you.” This is leading us nowhere. Everything is the same even after a year. Congress - NCP combined incumbent government during the terror attack continues to be in power. Vilasrao Deshmukh, the Chief Minister at the time of Mumbai attacks, is now enjoying being a cabinet minister and is the Minister of Heavy Industries and Public Enterprises. Shivraj Patil, the home minister of India who had resigned taking “moral responsibility” for the incident, continues to be a member of the Rajya Sabha and a respected functionary of his party. By a quirk of fate A. N. Roy, the then Maharashtra DGP coupled with some politics was removed by the High Court and is again currently holding additional charge of the State DGP and is likely to be appointed DGP soon. R. R. Patil, the home minister for states who had resigned from his post in the aftermath of the Mumbai attacks, has been reinstated as the home minister. So we have all the people back doing their jobs they were doing back in November 2008.

Media reports say that the Indian intelligence agencies had prior information about the Mumbai terror attacks. After every terror attack, we hear reports that intelligence agencies had prior information about it. Where is it going wrong then? Do you call this an intelligence failure? I have no hesitation in saying that it was intelligence failure that led to the attacks. Today’s terrorists are more tech savvy than the establishment. What we need is a central control room where intelligence information is shared and immediate action is taken. We don’t have a culture of centralized control rooms. I know the Intelligence Bureau has enough intelligent officers, but they don’t process intelligence information properly because they are in a hurry to push it so that the responsibility does not fall on them. It can happen in Chennai or even in Bhubaneswar too. In Maharashtra, it will change now just like it changed in Gujarat. Gujarat has a dynamic chief minister and he knows his job. He wanted a law which is similar to what Mumbai is having, but he is not being allowed based on party politics. The Centre also won’t pass the law and he also won’t be allowed to have a law, and he is asked to control terrorism. What are we afraid of? Could the results of the attacks have been worse? With more than 125 dead and about 300 people injured, it may not be a question that would be asked by many. Comparisons have already been made between the Mumbai attacks and the 9/11 attacks in the United States. The latter had pushed its administration to invoke extra-ordinary measures that continues to keep its homeland virtually terror free.


September 11, 2001, since it is the one without a sequel.

Will India ever be able to do that even after such a horrific attack? This still remains a critical question.
Terrorist Attacks… & this time it’s Pakistan, sustaining perhaps one of the most deadly series of attacks where the number of deceased never reached a static point. Taliban took the sole responsibility of the attacks with suicide bombers detonating explosive laden vehicles in crowded streets, making desperate efforts to increase the count of the number of lives and damaging property worth millions. Lives of numerous Pakistani nationals, including 6 UN staffers were lost in the attacks. Amidst all the chaos the Pakistani government didn’t fail to allege the Indian government of being the mastermind behind the attacks. Meanwhile Indian Defense Ministry issued warning saying that it was ready to take on Taliban if the terrorist attacks spread to India. P.M., Dr. Manmohan Singh announced the reduction of violence in the Kashmir valley and also joined hands with the Russian and Chinese Governments in an effort to combat terrorism. The US Government denied its role in the Kashmir issue and asked the Pak government to improve relations via trade route. Another issue which raised eyebrows was the visit of the Dalai Lama to the country with the center giving its nod despite efforts by China to stop the visit. Terrorism however didn’t limit itself to the international level as the Red rampage continued in the state. The Naxals targeted the Rajdhani Express this time and set up an abduction drama. Police officers were beheaded and the security of the security officers has become a big question for the governments in the Maoist affected states. The centre remained helpless in curbing inflation and pinned all its hopes on the next Rabi crop harvest in a bid to launch its “AAM AADMI” plan. RBI however continued its efforts to infuse liquidity to the current economic situation. The assembly sessions of Maharashtra involved much drama with MNS members creating a huge ruckus during the oath taking ceremony when Azmi was allegedly beaten up when he took his oath in Hindi in defiance to the letter by Raj Thackeray urging all the members of the assembly to take their oath in Maharashtri. The facts about the riches of politics in India came true as Jharkhand CM Koda and aides face charges of amassing wealth worth millions, much of it smuggled outside. The CM now faces charges of arrest as the investigations are being carried out by the vigilance department. The drama involving violence didn’t limit to Maoists and terrorists alone and this time it was the students union of the state. The epicenter of the unrest was the district of Bolangir when an engineering student, Shakti Mohanty lost his life after being hit by a police vehicle. The unrest spread as the protests following this death turned violent and in the resistance by the police another student succumbed to the injuries sustained in the action. Rail and Road services were badly hit and involvement of the political student wings added to the agitation by the students. Power crisis has in the meanwhile hit the state. Amidst all the crisis of the state, the mining scam which has been recently unearthed is being termed as the biggest scandal to hit the nation. Talking about sports, the major event was the Indo-Aussie ODI series. The Aussies struggling to find fit players managed to pull out a memorable series win over the full strength Indian side. The major highlight of the tournament was the Master-Blaster’s 175 score innings. It was the best way to mark the celebrations to grace a 2 decade long illustrious career that not only has been an inspiration to millions but an experience which a country has lived through!
Putting the calendar to a fine-tuner,
oh! the last 1 year has gone so sooner,
The great college days, I started remembering,
Seems like only yesterday I finished my engineering.

Remembering my class mates, after 1 year,
My eyes were filled with tears,
Everyone now is busy a lot,
No one escaped Destiny's plot.

Project reviews to campus interviews,
Nicknames to last bench games,
Cultural rehearsals to love proposals,
Short term crushes to class room blushes.

Everything is fresh in our mind,
Wish life could rewind,
Let’s Laugh, play and rejoice,
Once again become college guys.

Chatting and laughing, we all were in elation,
Till the painful moment of separation,
It was time to part,
returned with a heavy heart.

Today life is full of commitments,
And too many worries,
But those cherished moments,
Will live forever in our memories!

Memories of College Days
Manas Kumar Nayak, 200515434, EEE

In the ambience of alacrity,
Aesthetic advent of an adherent
aggrandized our ardour.
To assay and ascertain our askance acumen
In this austere arroyo,
To accolade the aspirant,
Astute and august artisans

from the artefact of aluminium
gave NIST an amulet of apogee.
This adroit addiction of NIST
Towards adeptness
Avoids it from the Abaddon of abyss
Making us an ambrosia for
Apical associations.

AEIOU

Mr. Jagannath Satpathy
B. Tech., 7th Sem., Team e_news

(Dedicated to the placement cell for having Vedanta Aluminum at our campus)
Hello readers of nist_e news. Welcome to yet another informative and oracular edition of sportscast.

India and Australia locked horns in a 7 match ODI series that had enough edge of the seat stuff to leave the fans hormones gushing for a month. In the end it was the Aussies that took home all the laurels plus the series 4-2. The Indians showed individual brilliance on the field but never got it right as a team which cost them the series and hopes of claiming numero uno of ODI cricket rankings. Meanwhile, the cricketing world was abuzz with respect and admiration for Sachin Tendulkar, which he has always more than deserved and whom many consider the greatest batsman ever, as he completed 20 years of his service to the sport. Elsewhere, in the fastest

**Sportscast**

P. Kumar Sachin and Adityanshu  
_B. Tech., 7th Sem., Team e_news_

Hello readers of nist_e news. Welcome to yet another informative and oracular edition of sportscast.

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**Tech Check**

Md. Ashraf Adil  
_B.Tech 5th Sem., Team e_news_

**Neuber Energy Sun Bag generates power when outdoors**

I was half dead when someone told me that our conventional sources of energy will say us ‘bye- bye’ in the next two to three decades. The first thing that flashed through my mind was that how I am going to charge my laptop, cellphone and i-pod. Besides that it’s a difficult job to carry a bunch of gadgets wherever you go, and the inclusion of their respective chargers could prove to be a bane to one’s shoulders, especially during long haul trips. And then I came through this article which brought my heartbeats to its normal speed. The Neuber Energy Sun Bag solves this dilemma, offering more than ample room to store your range of cellphones, portable media players, handheld consoles and other devices while boasting Konarka Power Plastic solar panels on the outside, making it the lightest solar energy bag available on the market at the moment. So “Go Green” and enjoy the new era of renewable energy.

**YoGen offers free juice plus a workout**

Well the most annoying thing for a youngster is that there is no charge left in his or her cellphone or music player and adding a burnt flavor to it is that there is no power available. But don’t worry the YoGen device is here to solve all your problems. It takes the eco-friendly route, offering off-the-grid charging for your devices while giving your arms a good workout. It uses an unorthodox technique of a pull string, which gives you the feel of Yo-Yo besides producing charge. No idea on how many pulls will it take to juice up an iPod, but it does come with a range of connector tips that will cater for a variety of devices. It will be available for $40 a pop after November 15th, making it a suitable stocking stuffer for eco-friendly guys.

*Courtesy: treehugger, coolest-gadgets.com*

ashraf.adil_13@rediffmail.com
format of the game, Pakistan drubbed the Black Caps 2-0 to maintain their 100% win record against the Kiwis in the same format.

Now some news from the football pitch. Rafael Benitez and his crop of players at Anfield are made to think what price a team can pay for over dependency. Liverpool pose a formidable threat with skipper Steven Gerrard and Spanish marksman Fernando Torres on the show. But the problem is without them they look feeble and fragile and have lost three times more matches in less than half a season than what they did the entire of last season. Meanwhile, Chelsea as tipped by pundits have emerged as real title contenders for the EPL crown as they have opened up a 5 point gap at the top of the table over second placed Manchester United. In International soccer, the possibility of a world cup without Thierry Henry and Cristiano Ronaldo has left fans worldwide chewing nails as they enter play-offs against Ireland and Bosnia respectively.

In Tennis, 8 times grand slam champion Andre Agassi stunned everyone by confessing he used crystal meth during his matches. The year ending ATP masters, featuring the top 8 players of ATP is about to begin in London and gives Rafael Nadal a real chance to take over from Roger Federer as the world no 1 with the 304 points separating the two.

In golf, Tiger woods roared the highest as he claimed the Australian tour GP for the first time.

Now some news from the world of motogp where defending champion Valentino Rossi claimed his 7th title in a thrilling race in wet conditions at the Malaysian motogp.

In the next edition, we promise more information and headlines from the world of sports. For any queries or further information, please do contact us at panda.sachin101@gmail.com or anshu.aditya@gmail.com.

Clubs @ NIST
MULTIMEDIA CLUB
......Canvas for your Imagination

“Heaven Express arrives at Saturn. Mickey skates on the planet’s beautiful ring. Then fits a shooting star on his feet, and takes a trip round the moon. Finally made the cloud as his parachutes and landed on earth.”

Our imagination has no bounds. And it’s the multimedia technology which gives life to it.

With a vision to give creative minds a platform where they can learn, explore and crop up this technology Multimedia Club was incepted on 17th March, 2006. Multimedia club familiarizes the budding designers with various softwares that are the basis of this technology. The club gives an opportunity to exploit such softwares in bringing their imagination to life.

The club conducts classes for the students every week during the post lunch session (3:20 to 5 PM) and is open for all. Both B. Tech. (2nd year onwards) and MCA students take part in this program. The basic course structure for a year includes:
Adobe Photoshop - (The ultimate image editing software)
Macromedia Flash - (For GUI based web designing, games and flash applications)
Macromedia Director - (For advanced game designing and 2D animation)
Adobe Premiere Pro - (Basic video editing software)

In the coming year the club plans to expand its horizons to 3D animation and DTP (Desktop Publishing). Softwares like Autodesk 3D Max, Macromedia Dreamweaver and Adobe Indesign (advanced version of page maker) are the next few targets which will help in achieving this goal.

The courses are being taught by Ms. Rita Bernalia, visiting faculty of NIST. She has a teaching experience of over 10 years and is presently the head of School of Design, Berhampur. She has worked with Ad industries, popular channels like Zee, ATN and Doordarshan and had been in the team of online editing of live shows like Sa Re Ga Ma Pa and Manikchand Film fare Awards.

Students at Multimedia Club have worked for the Army Air Defense College, Gopalpur regarding a project on briefing of the entire campus. The club also contributes to NIST e_news in envisaging the cover page and e-design of the magazine, designs themes and websites for various events such as Waves and Sankalp. We have also planned to build a full-fledged virtual NIST campus in 3D which will give all the information about the campus.

Competitions are been organized at regular intervals to extract expert talents from students. Different competitions include Image Exploitation, Banner Designing, Video Clip Making and most recent being the event “Flash Unleashed” where participants were asked to design a flash game and animated greeting. Students’ creativity was encouraged during Waves-08 when we organized a Grand Multimedia Exhibition to showcase their talents. It was the first ever Multimedia Exhibition which displayed the students’ Photoshop works on canvas. The exhibition went on to become an eye-candy for the visitors.

Our team includes:
Chief Patron: Prof. Sangram Mudali
Faculty Advisor: Mr. Debananda Kanhar
Teaching Personnel: Ms. Rita Bernalia
Student Members: Arup Nayak, B. Krishna Reddy, K. Venkateswar Reddy, G. Jagannadh, P. Subrat and Tanya Panda

The club with its spark and commitment is dedicated to spread the flavour of multimedia in NIST and will give its best to enable the students to add yet another feather to their cap.
From: akash.banerjee@accenture.com
To: amrit_phalguni@rediffmail.com; dipti_lenka@rediffmail.com
Date: Tue, 27 Oct 2009 16:03:11 +0530
Subject: Hello

Dear Sir,

Hope this mail finds you in the best of your health and spirits. I know you would be quite annoyed with me for not having penned down anything for the college publications in the recent past.

But such is the work load that I hardly get anytime to indulge into anything but work. As a youngster I often used to look forward to the day when I will be working and don’t have to bother studying anymore. But I realize that life was much easy than it is now.

I hope the college is doing as good as ever in all fields. I do keep in touch with college affairs through the e-news publication. It’s great to see so much happening on every front.

And since the market is looking up now, I believe more companies would be pouring in to scoop up the best talents of the college.

Since I touched upon the issue of placements, I would like to convey the present scenario in the right perspective. Simply because the student fraternity, especially the 3rd and the 4th year folks, would be very eager to know what’s in store for them now? I am sure Dr. Ajit Panda and Mrs. Geetika Mudali would leave no stone unturned to ensure they get premium companies to visit our campus.

The markets have recovered considerably from last year but the companies are still treading a very cautious path when it comes to hiring freshers. The time now demands people be thorough on at least one technology which ensures they have a foothold in the industry. Gone are the days when hiring went on the premise: hire now, train later. Of course, companies will still spend on your training but they will ensure it’s not a dead investment for them. I know for sure the technical levels of our college students are at par with the best in the business and I am sure the pre-placement training provided on soft skills will prove good enough to land a few jobs. The emphasis has to be both of technical and soft skills.

I would also take this opportunity to inform that all of NISTIANS at various companies like Wipro, Infosys, SAIL, Punj Lloyd, Accenture, Mphasis to name a few, have been doing very well.

I wish all the NISTIANS a very successful career and hope they do super well. And a ton of thanks to all the faculties who have helped us shape our careers.

Thanks and Regards,

Akash Banerjee (2004-08, B.Tech, CSE)
Accenture | Delivery Centers for Technology in India
Associate Software Engineer
White Field, Bangalore (:080 40770019
Mobile--+91 953 558 8545
Dear Sir,

Just read the e-news for this month, felt like dropping in a few lines. It seems that the college has some new and well-qualified Professors on board. Particularly liked the following people’s resume:

1. Dr. Sidhartha Panda
2. Dr. E. Raja Rao - Read the bit about Canadian studies. I was wondering whether he can bring the glory back to the NIST library in terms of literature (not curriculum-related books). I am really proud of our library.

I also saw that there have been a lot of additions in the MBA department that can only mean that it is doing well. This is wonderful news. Hope everything’s going good.

With warm regards to you and your family,

Amartya

To: akpanda62@hotmail.com
From: Kunmit.Patra@Lntemsys.com

Hi,

Hope you are fine with God’s grace. I hope you remember me. Any ways to refresh your memory, I am Kunmit Kumar Patra of 2005 batch & I was doing BTECH project under you in my final year. I was selected in L&T EmSyS during my campus recruitment and currently I have completed 4 months in this company. At first I had training for first 2 months, afterwards I have been allocated to a separate hardware team in which I have been currently assigned a hardware project and I am coping up with the pressure and expectations of my team mates. My other colleagues from NIST who have joined in this company are also doing great jobs in their respective teams. It is due to the hard work of all the faculties and supporting staffs of NIST that we are currently able to maintain a good standard in company. With the rigorous training provided by NIST, we are able to cope up with the company’s exhausting schedules. I hope this year also Sankalp would have made its mark on a national stage with some great events and fabulous competitions. We are sorely missing our college life but at the same time now the responsibilities have increased for us and we are confident that we will always keep my college’s reputation at the peak.

We hope NIST is performing magnificently in the academic and extracurricular activities. We wish all the very best to you & the working faculties, supporting staffs and whoever is associated with the development of NIST in some or the other way.

I am hoping for reply from you.

Thanks with Regards

Kunmit Kumar Patra

Graduate Engineer Trainee

Extn no: 5647
Winning in downturn – 8

Mr. Ratnakr Mishra
Faculty, Management Studies

Keywords: Recession, Indian economic summit, Finance

(This edition of the series of winning in downturn is based on the experts opinion expressed in the recently concluded’ India economic summit 2009; at New Delhi, November 8-10. jointly organized by CII and WEF. The views, lectures and results of survey on various financial parameters by the participants were presented here with suitable references from newspapers, magazines and TV shows that were keeping track of the progress of the summit. Summary tries to focus on the financial eventualities towards 2020 and position of India in it.)

Due to recession and strategies followed afterwards for a steady recovery like the U.S initiatives for protecting their domestic jobs and markets by putting a lot of restriction on exports and granting of H1-B VISAs led to a lot of speculations on financial forecasters for the world of finance at 2020. A common idea however was shared by all about the presence of central moving factors like the pace at which the geo-economic power shifts from today’s advanced economies to the emerging economies and the degree of international coordination on financial policies. Along with the peripheral and country specific factors such as evaluation of energy and commodity prices, economic growth rate, fiscal policies, trade regimes, climate change, exchange rate change policy, extremism, and regionalism, demography shift, global wealth distribution system, unification of currencies, will also be instrumental in shaping a country’s position vis-à-vis the international finance markets at 2020.

This matrix is the summary of the four possibilities in finance at 2020.

1. Financial regionalism: Characterized by a discordant and rapid type situation where all activities will be centered in three blocs led by U.S, E.U, and China. All the countries will gradually slide towards any one bloc of their choice. Except the tourism and energy issues all other trade issues will be largely focused on these three groups. There will be a sharp contrast between the trade policies followed by these blocs. It is marked as discordant due to an apprehension of a very negligible coordination between them. Also it will be rapid because the enigmatic nature of trade policy of each bloc will lead to a hectic competition.

Harmonized

Re-organized Western Centrism

Rebalanced Multilateralism

Slow

Geo-economic power shifts +

Degree of international coordination of finance policy

Rapid

Financial Regionalism

Discordant

Frangmented Protectionism
2. **Re-engineered western centrisim:** On the contrary this scenario somehow recommends the status-quo. The emerging economies like India, Japan and China being suffered by recession will take more time to consolidate their markets than the western countries. The gap will remain wide but the present harmony will not be disturbed much. A slow pace of growth is expected due to the slow growth rate of the western power who will be leader in this category.

3. **Fragmented protectionism:** Characterized by the currency conflict, divisional politics, and race of the bottom dynamics this category is forecasting a long term financial crisis. Countries will stick to their own inward national policies that will see an unprecedented competition in finance. The banking system will be nationalized for a restricted capital flow. Situation like a wide spread trade protectionism can not be ruled out and trade function pace will be slow and discordant as there will be no harmony between the international stakeholders.

4. **Rebalanced multilateralism:** Global community learns from its mistake and the financial markets will be consolidated through sharing, realizing and meaningful collaboration among them. Emerging markets will be the new ruler and consolidator. A global governance system led by the BRIC countries will evolve with the mantra of scale driven distribution system as well as a specialized fund management practice. Cooperation on financial policy and a new approach to systematic financial risk will emerge where a rapid growth and homogenized market is envisaged.

The features of all mentioned four eventualities may be viewed in the sidelines of a market structure like the monopoly style for the re-engineered western centrisim (single player), a duopoly style for the financial regionalism (three player), an open and competitive market style for fragmented protectionism (multiple players) and an oligopoly style for the rebalanced multilateralism (harmonized multi players)

India’s position is viewed as one of the major players along with other partner of the BRIC countries (Brazil, Russia, India, and China) who can take the world at their side and will lead the entire market consolidation practices seen with perfect harmony and rapid growth rate. Many current economic activities like NREGS and benefiting the beneficiaries directly through banking outposts are actually the USPs of these BRIC counties.

The author is in hope that you can now assess your thought for a perfect prediction and India’s position in Finance-2020.

**Book Review**

Mr. Lalip Nanda  
*B. Tech., 3rd Sem*

Chetan Bhagat released the new book on Oct 8th, titled, 2 States: the story of my marriage. It’s a story of inter-state marriage in India. Love story of a Punjabi guy Krish, and a Tamil Brahmin girl Ananya. Marriage of paranthas and idlis, paneer and coconut. Chetan, in his own style, dedicates this book to his in-laws. In the disclaimer, he says, though the book is inspired by his own family and experiences, he requests the book must be seen as a work of fiction.

The initial pages of the book are set up in IIM-Ahmedabad. Krish and Ananya meet in the canteen for the first time and eventually over a few days of combined study, fall in love. Life is great for them until their families meet each other. It takes sometime before they realize that they may not be able to convince their families to support their marriage. The idea through out the story was that, they want to marry with their parents’ consent rather than choosing the easy way of eloping.

The meeting of two families on the convocation day at the college sets the drama
Welcome readers to the world of realities and grown up thoughts. Roll up those sleeves and tighten those dupattas. It’s time now to give a 1 degree extra rotation to your brain with some extra churning of the grey matter.

Degree 361 presents its brand new Quiz session this month onwards.

Quiz Round
1. Name the first University of the world.
2. First Walky-Talky movie of India.
3. If hardware can be compared to a PEN, then software can be compared to which of these: ERASER, INK, PENCIL, SHARPENER
4. Who was the first person to wear helmet in cricket?
5. Full form of YAHOO.

Mind Ticklers
There is a garden with lemon trees. The garden has 11 gates with one gate keeper each. You need to cross through all the 11 gates. Now you badly need 2 lemons. So you go to the first gate keeper and request him to allow you inside for getting lemons. He asks you for a deal of half of the lemons you get, then you agree with one condition to give half the share but he will return you 1 lemon back. Same deal at all the gates.

How many lemons you need to pluck so that you have 2 lemons with you finally?

Birthday Bash

Ms. Sumitra Ojha 25-Nov
Mr. Jagannath Mohanty 26-Nov
Mr. Bhabani Shankar Pattanaik 5-Dec

Marriage Anniversary

Mr. Bhaskar Bandopadhyay 23-Nov
Mr. Abhro Mukherjee 25-Nov
Mr. Arabinda Panda 28-Nov
Dr. Arun K. Padhy 8-Dec
Mr. Jagannath Mohanty 8-Dec
Mr. M. Suresh 9-Dec
Mr. M. Rajendra Kumar 12-Dec
Mr. Shom P. Das 14-Dec
Mr. K. Lakshmi Narayana and Ms. M. Aparna, Faculty, Dept. of Computer Science and Engineering published a book, ‘Internet and Web Technology’, under Scitech Publications (India) Pvt. Ltd. The book emphasizes the importance of all the technologies used in the design of services over the web. This book effectively teaches you about the three kinds of environment that is needed for designing web pages effectively. The first part of this book deals with designing of web pages using HTML and XML. The second part is about VB SCRIPT and JAVA SCRIPT. The popular scripting languages used in client side data validation. Then a step beyond this client side data validation, showing you how to use CGI, perl, ASP and JSP for developing interactive forms, dynamic graphics, image maps and even data base queries to your web site.

Mr. K. Lakshmi Narayana, Faculty, Dept. of Computer Science and Engineering published his second book of the year titled, ‘C Programming’ under Sure Success Publications.

The book highlights:
Simple programs for beginners and experts with step by step procedure,
- Chapters include sufficient number of examples and programs.
- Highlights the common errors committed.
- Covers the syllabus for B.Tech, BCA, MCA and PGDCA.
- 400 multiple choice questions, and 400 short FAQs, & short Q&A, fill in the blanks, T&F helpful for the placement training & Job interviews.
- 500 find the outputs of the small codes chapter-wise & 160 standard programs.
- Covers the Number system including IEEE 754 floating point standards.
Mt. Rushmore ??

VISION HIT
I have the Vision

Score : 0  Time : 00 : 00

PLAY

ARMY AD COLLEGE, Gopalpur

Works by students