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nist e_news

A monthly news bulletin

What is your



RESOLUTION

this year???



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FROM THE DIRECTOR'S DESK

This issue of the nist e_news, being the last of a tumultuous year 2008, gives me my last chance to sum up. As many of us within Orissa experienced it was a tough year for the state. The rise of discontentment within the have-nots has reached a crescendo as the economic miracle passes them by; the rise of sectarianism and fundamentalism has torn this peaceful state into one where the Center is forced to issue advisories one after another. Rights of individuals and freedom of speech and expression is being trampled down in the name of law and order. The terror mayhem and the apathetic political response have fired the ire of thousands of our country that “Enough is Enough” – we have to arise from our slumber and participate in the political process for our own good.



Prof. Sangram Mudali

I had a chance to be at a FICCI summit in December regarding the state of India's higher technical education. Speaker and speaker lamented the fact that technical education reaches only 11% of our eligible youth whereas in the developed countries it is above 50% and even in developing ones like China, Brazil it is above 25%. So the challenge is to increase enrollment ratio in higher technical education within the next five years to at least 15%. So fasten your seat belts – we will be seeing more 2nd shift in all educational institutions, more distance learning, more engineering colleges popping up in every nook and corner. Somehow people feel that Quality will take care of itself since the student community is expected to demand quality for the price of education. I have been around for a long time to see the flaw – our student community has to get a taste of what quality is before it can demand the same. Many institutes in our state and the country are wallowing in abject poor infrastructure, poor teaching and faculty quality for years and years and yet students remain mute spectators. Student activism for quality education will improve technical education in India.

The last days of December are upon us. Sunny, bright days outside and unenviable stories of terrible winter chill from friends in Delhi, Detroit & Amsterdam. We remain thankful for what this beautiful land of Orissa provides to us. So my advice to all our students – stretch yourself in the sun, on the lawns, or on the beach with a book in hand. You have lot's of choice: (*these are the books I devoured this year*) The White Tiger (Adiga), Imagining India (Nandan Nilekani), Unaccustomed Earth (Jhumpa Lahiri), A Thousand Splendid Suns (Hussein), Five Point Someone (Chetan Bhagat), The Coolie (Mulk Raj Anand) Midnight's Children (Salman Rushdie), A House for Mr. Biswas (V S Naipaul), The World is Flat (Thomas Friedman). Happy Reading!

Wish all our Faculty, Staff and Students a WONDERFUL AND SUCCESSFUL 2009.

With Best Wishes,

15 December 2008

Sangram Mudali

FROM THE EDITORS' DESK

“When fate hands us a lemon, let's try to make a lemonade.” That is what a great educator does. But the fool does the exact opposite. If he finds that life has handed him a lemon, he gives up and says, “I'm beaten. It is fate. I haven't got a chance.” Then he proceeds to rail against the world and indulge in an orgy of self-pity. But when the wise man is handed a lemon, he says: “What lesson can I learn from this misfortune? How can I turn this lemon into a lemonade?” Incorporating this notion of famous philosopher-psychologist, Dale Carnegie, in our life, lets step into a new Sunrise, new rays of Hope, Fortune and Positivity and adieu the year going-by. Sky-touching Placement records, setting up of NIST Business School and commencement of PGDM course, faculty felicitated with the ‘Young Scientist Award’, inception of M. Tech in Computer Science Engineering, awe-struck placement drive of MBA 1st batch and the B.Tech 2009 batch, adding new feathers and a few



heavyweights into the existing teaching fraternity, the year 2008 has ushered much more reasons to celebrate the success story of NIST.

With an expectation that this academic year 2008 leaves its legacy behind, let's bid a blissful farewell to the year going-by with a chant on every Nistians lips,

*"...and miles to go before I sleep,
...and miles to go before I sleep."*

nist e_news wishes every Nistian *'Merry Christmas'* and a very *'Happy & Prosperous New Year.'*

Dipti Ranjan Lenka
Amrut Phalguni Mohanty

PLACEMENT DRIVE

MCA (Batch- 2006- 2009)

SI #	NAME	COMPANYNAME
1.	Punyaprabha Behera	NetHawk Networks India Pvt. Ltd., Bhubaneswar
2.	Badrinath Nayak	NetHawk Networks India Pvt. Ltd., Bhubaneswar

CERTIFICATE of APPRECIATION

The following students who have secured =8.5 in MCA and =9.0 in B.Tech. in their SGPA and have been felicitated with a 'Certificate of Appreciation' and Cash Award from the Honorable Director, Prof. Sangram Mudali.

Roll#	Name	SGPA	Roll#	Name	SGPA
Batch 2007 (MCA)			Batch 2006 (MCA)		
200760857	Ippili Archana	9.19	200710841	Sudarsan Das	8.58
200710825	Susanta Kumar Panigrahi	8.92	200710826	Potala Mohan Babu	8.54
200760847	Gayatri Padhy	8.81	200760836	Ankita Mahapatro	8.50
200760811	Priyadarshini	8.77	200760819	Arati Padhi	8.50
200760802	Madhuchhanda Rath	8.73	200660845	Saroja Mishra	9.14
200760832	Sasmita Kumari Behera	8.65	200660818	Karubaki Nandighosh	8.96
200710812	Subhransu Samant	8.62	200660813	Shradha Parimita Sahoo	8.86
200710818	Padmanabha Mishra	8.62			





Roll#	Name	SGPA	Roll#	Name	SGPA
200660816	Vidita Srivastava	8.71	200750118	Sangita Panigrahy	9.00
200660838	Sibani Sabat	8.61	Batch 2006 (B.Tech)		
200660807	Smarnika Padhi	8.61	200610065	Debashis Sahu	9.45
Batch 2007 (B.Tech)			200620062	Saurabh	9.41
200710262	Chinmaya Mohapatro	9.43	200650116	Lipika Muni	9.21
200710067	K mohan Rao	9.29	200670211	Aditi Gidra	9.21
200710054	Swarup Pattnaik	9.25	200626233	Avinash Patra	9.17
200750432	Mousumi Panda	9.11	200620194	Chandra Shekhar Jha	9.14
200750147	Swastika Panda	9.11	200611260	Chinmay Kumar Jena	9.14
200720114	Shahbaz Sarik	9.11	200650442	Amrita Patro	9.10
200750227	Ipsa Akankshya	9.11	200610200	Shakti Prasad Patro	9.07
200750028	Cherukuri Esha	9.07	200613455	Asisa Kumar Panigrahi	9.03
200750277	Suman Mohanty	9.07	200613479	Anumachpalli Chakravarty	9.03
200770063	Laxmi V.	9.04			

CONFERENCE, WORKSHOP, SEMINARS ATTENDED/ PAPER PRESENTATIONS & PUBLICATIONS

Mr. Trupti Ranjan Lenka, and **Mr. Sudhakar Das**, Faculty members, Dept. of Electronics & Communication Engineering attended a *Training Program on Synopsys TCAD Tool* from 20th May to 20th June 2008 in the Microelectronics Computation Laboratory (MCL) of the Department of Electrical Engineering, under the reference of Prof. V. Ram Gopal Rao at IIT, Bombay. This Laboratory is equipped with sophisticated high end Synopsys, Cadence Simulation Software in powerful computers with high speed internet facility. They have been accessing the facilities of IIT's Central Library and various international journals in MCL Lab. They have enriched the Library of NIST-VLSI Lab by adding 55 titles of research oriented books on VLSI Design, IC Fabrication and Physics of Semiconductor Devices from IIT, Bombay.



Mr. B. Balaram, Faculty, Dept. of Management Studies attended and presented a paper, entitled, “*A Study on Problems of Cashew Industry*” in the National Seminar on ‘*Rising India Changing Global Labour Market: Challenges and Opportunities*’ which was held during 25th & 26th September 2008 organised by Department of Commerce and Management Studies, Andhra University.

Mr. Sushanta Tripathy, Faculty, Dept. of Management Studies along with **Ms. A. Deepti Patro**, **Ms. Smita Patro**, **Ms. Mandakini Behera**, NIST final year students got their abstract of the research paper, “*Assessing Innovation Risk, Success in keeping Cost to Budget and it's Contribution in Managing under-evaluated R&D, Methodology & Results*” accepted for presentation in the 12th Annual International Conference of the Society of Operation Management hosted by Indian Institute of Technology (IIT), Kanpur from 19th -21st December 2008.

Mr. Bhaskar Bandyopadhyaya, Faculty, Dept. of Management Studies attended and presented a paper, entitled, “*Innovative Branding and Positioning – A Competitive Advantage for Better Strategic Marketing: ‘Appy Fizz’- A Case Study*” in the ‘*International Conference on Brand Management*’ (ICBM 2008) organized by the Institute of Management Technology (IMT), Ghaziabad on 21st & 22nd November 2008. The paper got a distinctive position in the abstract manual.

Mr. Amrut Phalguni Mohanty and **Mr. Dipti Ranjan Lenka**, Faculty members, Dept. of English, attended



a 21 hour **Teacher Support Programme** for the **Business English Certificate (BEC)** at College of Engineering (CET), Bhubaneswar.

Mr. Dipti Ranjan Lenka and **Mr. Amrut Phalguni Mohanty**, Faculty members, Dept. of English, participated in the **Soft Skills Workshop** held at Infosys, Bhubaneswar from 17th to 21st November 2008 conducted by Infosys Leadership Institute. Participants from different engineering colleges of the country underwent this 5-day training program.



Mr. Lenka & Mr. Mohanty with others at BEC program

An article of **Mr. Suresh Chandra Patnaik**, Faculty, Dept. of Management Studies, titled, **“Implementation of Right CRM Strategy for Pharmaceutical Industry”** has been selected to be published in the International Journal, ‘Delhi Business review’, Vol. 9, no.2’. The paper has been already presented at the 9th International Conference on Management of Transformation.

Mr. Abhro Mukherjee, Faculty, Dept. of Applied Electronics and Instrumentation Engineering got his paper entitled, **“Industrial Control of Dancer-Less Take up System for Modern Wire Drawing Machines with Smart Controllers”**, published in the International Journal, **Journal of Automation and Systems Engineering** (vol. 2, issue- 4, Dec, 2008), Algeria.

Mr. Kanhu Charan Behera, Faculty, Dept. of Electronics and Communication Engineering, attended an International Conference on **“Recent Advances in Microwave Theory and Applications (Microwave-08)”** from 21st – 24th November 2008. The conference was organized by University of Rajasthan, Jaipur, in association with NIT, Surathkal, NIT, Jaipur, S.S.Jain Subodh College, Jaipur and Kotilya Institute of Technology and Engineering, Jaipur and was sponsored by DST, IUSSTF, BARC, DRDO, ISRO, CSIR, AICTE, NIT- Surathkal, KITE-Jaipur and IEEE, EUMA, URSI, IETE & IEEE MITT were among the technical sponsors of the program. He presented a poster on the paper, **“Design of a Humidity Sensor with PVT Variation using AMI C5 CMOS Technology”** which got published in the Proceedings of International Conference on Microwave-08 which has also a IEEE Reference ID of 978-1-4244-2690-4444/08/\$ 25.00@2008 IEEE soon to be released in the Conference Proceedings of IEEE website.

Dr. Sidhartha Panda, Faculty, Dept. of Electrical & Electronics Engineering got his Research Paper entitled, **“Real-Coded Genetic Algorithm for Robust Coordinated Design of Excitation and SSSC-Based Controller”** accepted for publication in the Journal of Electrical Engineering; presented a poster, entitled, **“Power System Stability Improvement by Differential Evolution Optimized TCSC-Based Controller”** in the 17th International Conference on Computing CIC 2008” held at Mexico City, Mexico, during 3rd to 5th December 2008. Dr. Sidhartha Panda also presented a paper, entitled, **“Simultaneous Tuning of Excitation and SSSC-based Controller Employing Real-Coded Genetic Algorithm”** accepted in the National Seminar on Soft Computing in Engineering Applications, NSSCIEA during 5th-7th Dec 08, Krupajal Engineering College, Bhubaneswar.

Dr. Gayadhar Panda, Faculty, Dept. of Electrical & Electronics Engineering presented a paper on **“Hybrid Nuero-Fuzzy Approach to modeling & simulation of power system stabilizer”** at the **National Conference on Recent Advances in Electrical Engineering (NCRAEE-2008)**. NIST 2008 pass out students, both **Mr. P. R. Sahu & Mr. A. K. Sahoo**, are also the co-authors of the research paper presented on 14th & 15th Nov ‘08 at Sri Siddhartha Institute of Technology, Tunkur, Karnataka.

Mr. Jagannath Mohanty, Faculty, Dept. of Management Studies along with 26 of our students attended a one-day Workshop on **“17th Shaping Young Minds Program”** organized by **All India Management Association & BBSR Metropolitan Management Association** on 29th Nov 2008 at Xaviers Institute of Management, BBSR.



FRIDAY LECTURE SEMINAR SERIES

Date: October 24, 2008

Speakers

Mr. Trupti Ranjan Lenka
Mr. B. P. Pattnaik
Mr. Bhagaban Swain

Title of Talk

VLSI Design & Test Symposium (VDAT 2008)
Entrepreneurship Development
Quantum Teleportation
Wind Farm Development

Date: October 31, 2008

Speakers

Mr. S.M.A.K. Azad
Mr. O. P. Suresh

Title of Talk

DSP based signal processing algorithms and controlling of algorithms by different techniques

Date: November 7, 2008

Speakers

Mr. Suresh Patnaik

Mr. Sambit Rout
Dr. Raja Rao
Prof. Sangram Mudali

Title of Talk

Rising India Changing Global Labour
Market: Challenges and Opportunities
Overview of Data Warehousing
Self in 20th Century
NPTEL Courses at NIST

WEBINAR by SATYAM

A '*Webinar on Principles of Design*' was organized by Satyam at NIST campus on 20th October 2008. The Web Seminar focused on 'Software Engineering' and around 100 students & all Computer Science faculty members attended the program. It is the outcome of the collaborative effort of academics and industry. The entire program was coordinated by Mr. Debananda Kanhar, Faculty, Computer Science & Engineering Department along with other members of the department.

NIST INTERNET FACILITY

The 'Internet facility' is now made available on the institute network throughout the campus on all machines available with each faculty and staff. It is available also in the wireless network throughout the campus and this fast access has been possible by the whole-hearted efforts of Mr. Siddharth B. Neelamani, Course Coordinator, MCA and Mr. Bhawani S. Patnaik, Director, NTCS and their team of experts including Mr. Dev Padhy, Mr. Siba Prasad Dalai and Mr. Prabhudutta Mishra and Computer Maintenance Staff. This facility would aid in doing better administration, research and teaching and to keep all the NISTians in touch with their friends, academic colleagues, etc. The intranet facilities and the intra-mail facilities will soon be accessible by all students to allow them interact directly with their teachers and also to use the OIS facilities.



Prof. Sangram Mudali (L) & Mr. Siddharth B. N. at the launching of Internet Facility



Mindsplash !

Ms. Vijayalaxmi Mohapatra,
B. Tech, Final Year, Team e_news

Before anything else Mindsplash would like to express heartfelt homage to all the martyrs and unsung heroes of **26/11** and strongly urge all the Indians to unite against all the forces which aim at weakening our nation and destroy us. A lot has been said about the unfortunate “**Black Wednesday**” in the Indian history and everyone is still recovering from the after effects. No words are enough to express the grief and anguish that all Indians feel at this moment. Yet we have to put back all our energies and resources back to normal and show the ones who think that acts as inhumane as this will be able to break our nation that “**we INDIANS are united in all our joys and sorrows and dedicated towards the cause of development of the nation**”.



This time Mindsplash rather than portraying on the headline of the month, would like to portray **the various states of mind all of us went through previous month**. With events such as the election of the next American president and the fluctuation in the share markets worldwide, the general environment was that of anxiety and uncertainty. Mumbai terror strike on the other hand added to the fear in the common man’s psyche. The previous month was not only one of anxiety to the nation as a whole but also to the student community as well, as most of us were having their semester exams. Due to the chaos in the markets world-wide and the ever increasing competition, the day-to-day schedule has become hectic like never before. The emphasis being on improving the quality and not compromising the quantity as well has made the condition more miserable. Someone rightly said, “**learn as if you were to live forever, live like as if you were to die tomorrow**”. But the charm of the D-days is lost as every next day seems big enough. In fact the major portion of our life now is spent in waiting for the right moment to relax and enjoy (who hasn’t heard “**work hard now, enjoy later**”... only that later is yet to come L). In fact the ironical situation is more like “**Work like there is no end and live as if there is no tomorrow**”.

There is a lot to worry about, but there are always a lot of things to be happy about. One really needs to focus on the positive vibes that can be found around us. It’s not about always finding fault in others but also appreciating anything good around. Things have certainly moved on due to the efforts of every single person in the world and we can hope for a better future (to begin with the new year bash would certainly pep spirits up J). One might ask why is it that there is so much to do at the end of the month, year or even life? A cheek-in reply would be to suggest watching ‘Dasvidaniyan’ which has brilliantly portrayed human emotions in their full vigor (that’s for everybody please J). **Mindsplash firmly believes that charity begins at home and the most valuable contribution we can make is doing our respective parts right** (It’s all a part of the chain reaction you see J!). At the verge of close of this year we must make an effort to put the gloomy environment away and remember that there is always a silver lining to the black clouds JJ. We must strive to make world a happier and safer place to live in. Not forgetting those still engaged in their semesters, Mindsplash wishes all the very best. For the rest who have survived the ordeal ‘It’s the time to party’. It’s for sure that the most common wish most of us might be asking Santa this time is a vacation (Let’s hope he’s hearing J). The best way to sum up this year and to welcome the coming new year would be to “**remember our past in all its glory, live the present to the hilt and to look up to an optimistic and bright future**” JJ.

“**DASVIDANIYAN 2008.**”

MINDSPASH wishes everyone

“A Very Happy & Prosperous New Year, 2009” !

[Any suggestions or feedback regarding the article are welcome and can be mailed to vijaya_126@hotmail.com]



NIST MEGA PARTY

Prof. Sangram Mudali, Director, NIST, hosted a Mega Party at Gopalpur-on-Sea on 25th October 2008 celebrating a host of achievements like, inception of NIST B-School, Placement, and welcoming many of the newly joined faculty members. The musical evening was greatly enjoyed by all the faculty members and staff along with their spouses and children with exciting games followed by attractive prizes. The evening ended with a wonderful friendly note by our Director followed by a sumptuous dinner and dance party.



Prof. Sangram Mudali & Mr. Vinay Das at the Mega Party

SEMINAR ON TALENT MANAGEMENT



Dr. Abinash Panda delivering a Lecture on Talent Mgt.

A Seminar talk on **Talent Management** on the topic “*leadership development @ suzlon: A seamless approach*” delivered by **Dr. Abinash Panda**, Global Learning & Development, Suzlon Energy Ltd. was organized by NIST for the MBA students on 29th October 2008 in the institute premises.

ONE-DAY WORKSHOP ON ROBOTICS BY NRC

NIST Robotics Club (NRC) organised a one-day Robotics workshop at Apex Institute of Technology & Management (AITM), Bhubaneswar on 2nd November 2008 and marked the official inauguration of Apex Robotics Club (ARC) by Prof. Sangram Mudali, Managing Trustee, AITM & Mr. Nihar Ranjan Sahu, Coordinator, NRC. The workshop highlighted on the ‘Basics of Robotics’, ‘LEGO Robotics’, & ‘Electronics’ and catered very much to the need and interest of the students.

ON-LINE LEARNING CENTRE

NIST has installed the ‘**Online Learning Center**’ compiling the study materials prepared by in-house faculty members and external resource persons. After IIT, KGP in the entire Eastern India this is the first of its kind in any colleges of the state. The course materials of the leading institutes of the world are now available at the click of a button for all students and faculty of the Institute. The materials are of extremely high quality and consist of both web based lectures and video lectures. This portal was inaugurated by esteemed Director, Prof. Sangram Mudali along with Dr. Ajit Kumar Panda, Dean; faculty & staff and some students. This facility has been successfully possible due to the sincere and unflinching efforts of the NIST Technological Consulting Services (NTCS) team. Contact Mr. Bhawani S Patnaik, faculty for details.

ON-LINE EXAMINATION AT NIST Wi-Fi

NIST celebrates its On-Line Examination for the first time through their Wi-Fi connections which enabled the students to appear the exam through their respective laptops. The entire campus is now Wi-Fi and students could access Internet anywhere in the institute premises.



Students taking the on-line examination at NIST



FELICITATION ON BOOK PUBLICATION

Dr. P. C. Biswal, Faculty, Dept. of Mathematics and **Mr. Muktikant Sa**, Faculty, Dept. of Computer Science & Engineering have been felicitated by esteemed Director, Prof. Sangram Mudali with a cash award of Rs. 10,000/- each for publishing two very informative, inspiring & student-oriented books on “*Differential Equation*” published by Prentice Hall of India, Ltd. & “*Object Oriented Programming using C++*” published by Scitech publications respectively. The institute regularly recognizes its talent, resources and never forgets to congratulate & appreciate at every success which stands as a boost for others.

PGDM EXAMINATION CENTRE

The 2 years full time **Post Graduate Diploma in Management (PGDM)** course running successfully under the aegis of NIST Business School with 60 seats of intake, approved by the All India Council for Technical Education (AICTE), New Delhi and Govt. of India (Ministry of Human Resource Development) conducted its first University Trimester Examination at NIST as it has been chosen as the exam centre. Ms. Geeta Madhuri, Faculty, Dept. of Management conducted the exam smoothly being the Exam Superintendent under the guidance of Mr. Shom Prasad, Coordinator, NIST Business School.

NIST WELCOMES

NIST welcomes the following members to its parivaar:

Ms. Sonali Roy joined as Faculty in the Department of Computer Science & Engineering. She did her Diploma in Computer Programming and Application (Computer Science major) from Indian Statistical Institute. She is MCAD Certified (.Net) and MCPDEA Certified from Microsoft and also has done an Insurance Domain Foundation Course from Accenture. She has more than 7 years of experience to her credit. She worked as a System Analyst at Axion technologies, Software developer at Binary Fusion and Collab Soft, Software Engineer at Digital Avenues Ltd, and she has also worked as a Team Leader at Accenture Services Pvt. Ltd., Bangalore. She takes her research interest in the field of .Net, Object Oriented Analysis & Design.



Mr. Shanti Swaroop joined as Faculty in the Department of Computer Science & Engineering. He did his B.Tech. in Computer Science & Engineering from NIST, Berhampur. He worked as a Software Engineer at Jatayu Software (P) Ltd., Bangalore for 1.2 years. His research interest lies in Java, J2EE & Oracle.

Quiz

Rajat Kumar

B. Tech., 3rd Sem., rajatprem@gmail.com

1. Who is Germany’s first woman Chancellor?
2. EXPANSION OF “VIRUS”
3. The maximum zoom percentage in MS Power Point is?
4. YAHOO? What reflects this name of “yahoo” company?
5. Which is the only sport that is not allowed to play left handed?
6. The only book written by NANDAN MOHAN NILEKHANI is
7. When was the first Beauty Contest held?
8. “INVENTED FOR LIFE” is the tagline of which company?



TRAIN YOUR EYES TO SEE THE COLOR...AT LEAST!

Dr. Sisira Kanti Mishra

Faculty, Dept. of Management Studies

There are many reasons why we don't always get what we want. One of these reasons is because we focus on the opposite of what we want. Sometimes, we just can't help it. But, if we are conscious of our thoughts, we can intercept these thoughts and shift our frame of mind towards our desired goals.

Have you ever been particularly annoyed by a person or situation? The more we complain about it, the more we notice it. The more we notice it, the worse it becomes. The next time we interact with that person or situation, we almost expect to be annoyed and thus subconsciously look for those small triggers that'll make us annoyed.

In a similar example of an opposite scenario: Have you ever shopped for a particular kind of car which you've never noticed before? And suddenly, you see them everywhere? Similarly, have you shopped for a particular piece of clothing, let's say a blazer style jacket for the spring, and suddenly you notice them everywhere?

Whether we focus on things we want or do not want, the truth is that: **What we focus on expands.**

From my experience, **dreams do come true**, for the sole reason that the more you focus on something, the more of it you'll notice and you'll be particularly sensitive to opportunities that'll come your way which will allow your dreams to become your reality.

Try It For Yourself! A Simple Exercise

Not convinced of what I'm saying? But before you throw your hands up, try this simple yet powerful exercise. It's so simple, you could do it anywhere.

1. Next time you are walking or driving somewhere, or sitting on the bus or a car. Remember to do this.
2. Pick a color and focus on it. Look for that color in your field of vision as you're moving about. For example, focus on the color red.
3. Do this for several minutes. Do you notice this color in so many places?
4. Pick another color and focus on it. Forget about the first color, just focus on the second. For example, try the color green.
5. Continue for several minutes. Scan your surroundings. Do you suddenly notice your second color popping up everywhere?
6. Repeat several times using different colors each time.

Pretty cool, huh? As simple or as silly this may sound, it's a powerful exercise that I like to play around with. Each time we shift our focus on a new color, it feels like a shift in vision, or putting on special glasses that only filters this color.

I first learned about this cute technique from my mother. She uses this exercise and reminds me that *focusing on thoughts of frustration will only makes our frustrations stronger*. I am really deeply touched by the experience. I learned that we can proactively shift our thoughts by shifting our focus. A shift in our thoughts will shift our emotions, almost instantly.

Answers of the Quiz

1. Angela Merkel, 2. Vital Information Resources Under Seige, 3. 400%, 4. Yet Another Hierarchy of Officious Oracle, 5. Polo, 6. Imagining India: Ideas for the new century, 7. 19 Sept. 1888 in Belgium Called: "Concours De Beaute" WON by a 19 year old Creole named "Berta Soucared", 8. BOSCH



WHEN THINGS GO WRONG

Jagannath Satpathy

B. Tech, 5th Sem, Team e_news

When things go wrong, as they sometimes will,
when the road you're trudging seems all uphill,
when the funds are low and the debts are high,
and you want to smile, but you have to sigh,
when care is pressing you down a bit-
rest if you must, but don't you quit.

Life is queer with its twists and turns,
as every one of us sometimes learns,
and many a fellow turns about
when he might have won had he stuck it out.
don't give up though the pace seems slow,
you may succeed with another blow.

Often the goal is nearer than
it seems to a faint and faltering man;
often the struggler has given up
when he might have captured the victor's cup;
and he learned too late when the night came down,
how close he was to the golden crown.

Success is failure turned inside out -
the silver tint in the clouds of doubt,
and you never can tell how close you are,
it might be near when it seems afar;
so stick to the fight when you're hardest hit -
it's when things seem worst that you must not quit.

CHANGE- THAT'S WHAT WE ALL YEARN FOR...

Kedar Mukherjee,

B.Tech, 8th Sem

We all want to be a part of a blessed country... But what are we doing to make this very place BLESSED? We all love our mothers.... But what are we doing to make her feel being LOVED? We all have a swarm of suggestions about what should be done NOW... But what are we doing to convert those suggestions into meaningful IDEAS ready for implementation...NOW?

You don't have to go through the above questions twice. Reason being an individual inside you keeps you asking these whenever you CRITICISE a person, a group or the system as a whole. But you have buried that real individual in you and covered him with such amount of mud that his voice seems too feeble to you. But the point is still it moans and will continue to do so till you EXIST, because it's the real YOU and it is Immortal.



Every time you go through the newspapers or other USELESS sources ranging from blunt news channels to not so different meaningless chats discussing imaginary probabilities over a cup of tea in a pan stall, my only question is that "What do you feel?" If you just don't feel anything and forget even the topic of discussion, then this article isn't for you. So, please stop reading. Thank you.



BUT if you feel helpless and really want to do anything besides criticizing the system and blaming the politicians then now is the right time. It's an opportunity of a lifetime to serve your mother, your motherland. After the Mumbai siege everyone seems to be up in arms and is longing to cover that extra mile by satirizing and cursing the politicians. Why do we need a date like 9/11, 13/12 or a 26/11 and many others to inflame ourselves? The thing to be seen is who will be that one person who will not let the flame of that fire burn out of him by some ruthless criticisms or deeds, but will in turn use that flame to fluoresce his persona and stand in the



midst of this overflowing guttered system and clean it. We have been gifted freedom or rather we have inherited it from our forefathers. So, let us preserve it so that we can prove ourselves that if we aren't better from our forefathers then at least we are worth to be called their descendents.

So, what we got to do now?

First step is to: Stop spitting on the moon because ultimately it's your face where the spit lands onto. **TO CHANGE THE SYSTEM, BE A PART OF IT.** Stop hating the bureaucrats instead prove your mettle to be one. Stop hating politicians instead be one to prove not others but that inner individual of yours that your pan stall suggestions were not only worth being converted to ideas but also had the substance to be implemented upon as a concrete step to convert our motherland from what it is now to a blessed land to live .

People talk of being magnanimous even to one's foes. For them I recall an occasion when Swami Vivekananda was asked by one of his disciples that saints should treat the whole of humanity alike, so why do you always speak for the rise of your country?

Swamiji smiled and replied "How can you respect your neighbor's mother when you don't love your own?"

So, next time before yearning for a change, change yourself for the sake of that yearn.



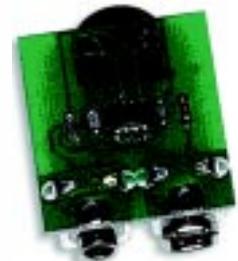
Tech Check

Md. Ashraf Adil,

B.Tech 3rd Sem., ashraf13@rediffmail.com

Sonic Nausea Device makes you want to throw up

The title of this particular article is obvious, to say the least. After all, this tiny device is called the Sonic Nausea because it uses "a unique combination of ultra-high frequency sound waves" to produce nauseous effects for those in its range. The Sonic Nausea is also capable of causing "headaches, intense irritation, sweating, imbalance", as well as making people puke. It is powered by a 9-volt battery that is actually bigger than the device itself. That won't get you too much power, but it is possible to increase the runtime with six AA batteries with transistor clips. The device is available at the SHOMER-TEC site for about \$29.00, and the description states the possibilities are endless. However, I think one of the critical situations that would justify using a device like this would be a hostage crisis or an unruly mob. I'm surprised that this vomit-inducing technology is readily available on the market. I'm not certain whether the power to make people vomit should be in just anyone's hands. After all, every coin has two sides!



Voltaic Systems and their new Generator Solar Bag

Today the biggest world crisis is not that the share markets are crashing down, but actually its energy crisis. But don't forget, "Where there is a will, there is a way". Well, the same goes for notebook bags as well - instead of offering a place that just totes your notebook and its accessories around, Voltaic Systems decided to take the plunge by unveiling its Generator solar bag that is able to harvest solar power to charge a notebook with less than a day's worth of sun rays. The \$499 Voltaic Generator features a solar panel that is able to generate up to 15 watts of power via





20% efficient cells, which ought to be enough to juice up the entire Voltaic battery within 5 hours. The included battery pack is able to store a typical notebook charge that will deliver the required output voltages automatically, and nice to see Voltaic throw in an array of common adapters that allow you to recharge your cell phones and various portable devices as well.

Courtesy: coolest-gadgets.com

NEWS DESK

Pratyush Mishra,

B.Tech. 3rd Sem., Team e_news

With the Pope's prophecy about his vision of the global economic meltdown (in 1985) giving a superstitious background to the current economical fiasco, the world woke up to one of the most anticipated presidential campaign ever. This time it's BARRACK OBAMA, the first African-American in the WHITE house. And relating to the economic meltdown, the Indian economy plunged—the sensex losing points to reach below the 8.5k mark with the inflation for the first time in months reaching the previous figures of single digits owing to the falling crude oil prices. In India, the government approved a fat pay hike for the PSU officers of about 300%. The political season continued its full form with the regional elections. The surprise of these election phase has been the Kashmir valley which has saw an unexpected 55% voter turnout despite different threats. With Sheila Dixit scoring a hat-trick in the Delhi elections, BJP bowed down in Rajasthan, the state political circle remained active with union minister Sharad Pawar visiting Kandhamal, while bhadrak MLA Manmohan Samal resigned from his post over allegations. The north eastern states continued to burn as a series of 9 bomb blasts rocked Assam killing 61 leaving the state drenched in a pool of blood. Another display of heroics was the Indian navy in full action in the Gulf of Aden with the INS TABAR drowning a Somali pirate vessel who have been active in hijacking many sea vessels. Moving on to the sports section-Viswanathan Anand regained the top spot as the world no 1 in chess. The sports circle met with another euphoric event with the soccer legend DIEGO MARADONA visiting KOLKATA to meet his huge fan base in India.

In cricket India defeated the high mouthed Aussies by a 2-0 win in the 4 match test series. While England faced the defiant Yuvraj Singh and a firing team, India lead the series 5-0, when the series was called off midway due to the security reasons following the Mumbai terror attacks. The attacks that transformed the coming New Year to one of the most gloomiest new year that India will ever welcome. On November 26th the entire nation saw a group of terrorists keeping the entire nation on its toes as they held the TAJ, the TRIDENT and the NARIMAN HOUSE as hostage points after a killing spree at the C.S.T and the LEOPOLD café. With AK-47 rifles and hand grenades, they held the common people as hostages for about 72 hrs till finally the NSG commandoes with the Mumbai police shot them down. In this war the Mumbai police and NSG lost some of their finest. The initial investigations suggested that the terrorists entered Mumbai through the sea-route. They killed 173 person and another 355 were injured including foreign nationals. Initial investigations reports proved that the terrorists hailed from Pakistan. With FBI agents and Scotland Yard taking part in the primary investigations of the attacks, the seriousness of the situation at the global level can be clearly understood. India's stand against Pakistan on terrorism acts has been supported by the U.S and other members of the U.N. This was exemplified with the U.N banning the Pakistani outfit Jamaat-ud-Daawa as a terrorist outfit by the Pakistani government on the urge of U.N. The Home Minister along with his political colleagues resigned sighting moral values. The Indian Air Force has been on a passive alert mode since the attacks. With the opposition and ruling government united over this stand against terrorism and with the lone captured terrorist's intricate details about the modus operandi of their mission, there is definitely more to come in the tussle against terrorism. But the fact that holds the primary importance is that many innocent lives were lost and what should be done to prevent such acts of violence?????



ALUMNI PAGE

From Mailbox

Date: Sat, 13 Dec 2008 16:52:01 -0800 (PST)
From: rakeshjena@yahoo.com
Reply-to: rakeshjena@yahoo.com
To: enews@nist.edu
Subject: Re: NIST e news of November 2008 (Vol.: 57)

Hi NIST e_news Editorial Team,

I am writing to express my most sincere appreciation for your efforts in assembling the November edition of NIST newsletter and to be very very frank, I enjoyed going through each and every section of the newsletter.

'Time' as such is something I always have been running after because of the hectic schedule of my projects and deliverables but I couldnt stop going through the details highlighted in the newsletter...The very fact I get to know so much of happening events way back at NIST makes me (and am sure it does to every other alumni) feel so much happy and equally excited...NISTians winning the Champions trophy (Sankalp 2008), stints from national Himalayan trekking expedition 2008, knowing about NRC, seeing so many new faces joining the NIST faculty parivaar.. Great to know the way NIST is growing. Do convey my best wishes to all in the NIST family.

Regards,

Rakesh Kumar Jena, Batch of 2000 (1996-2000)

I am based out of London at present along with my wife and I am with Infosys Technologies Ltd working as a Senior Consultant in the Enterprise Solution space, especially in the CRM area>

Date: Wed, 10 Dec 2008 12:29:44 +0530
From: kundu.dibyendu7@gmail.com
To: enews@nist.edu
Subject: Re: NIST e news of November 2008 (Vol.: 57)

Dear Editor,

This is Dibyendu Kundu, alumni of 2002-2006 batches. It's been a long span I am speaking to my college. I am working in Philips Global Ltd. (Delhi) and enjoying my work in the coordinated atmosphere in my company.

Being a NISTIAN, I still read the E-News, whenever I come across and especially the NISTIAN (Biannual Magazine) which I was a part. It's really great to hear the achievements of the Nistians that is endless and the infrastructure is renowned.

I would really like to add that I have imbibed a lot from this institution, apart from the technical stuff or the human resources, I think I have gained patience, at least to hear out the lecture for 100 minutes, at a stretch, as NIST has the prolonged lecture of 100 minutes or more than that. So, this patience got clicked in my career as I could'nt make into the campus placements, so after some months I got placed in this company from outside. So, I want to convey the message to my fellow juniors who are still not placed, not to give up. Be patient. Some or the other day will be yours. The thing is that it will take some time.

I end my letter, otherwise you will think that how much time I spend in my profession. Certainly, I feel esteemed that I am still a part of NIST, as you have sent the edition of E-News.

Immense success is awaiting for NIST.



Cheers,
Dibyendu

Date: Mon, 8 Dec 2008 20:46:16 +0530
From: Barada.Panda@lntinfotech.com
To: enews@nist.edu
Subject: Re: NIST e news of November 2008 (Vol.: 57)

Dear Sir/Madam,

Thank you very much for sending me the eNews. I am very happy to see it after so long. The new “AVTAAR” of the eNews is very stylish and sober at the same time. Very creative, I must say. My hearty congratulations to the whole team and best wishes to all in the NIST family.

Thanks and Regards
Barada Prasad Panda
Software Engineer
Manufacturing Vertical (MFG-1)
+91-9867632737, barada.panda@lntinfotech.com
L & T Infotech Ltd., Plot No. EL-200
Navi Mumbai-400701

Date: Sun, 7 Dec 2008 03:41:25 +0800
From: Verma.Abhishek@microsoft.com
To: “enews@nist.edu” enews@nist.edu
CC: abhishek_nist148@yahoo.com
Subject: Re: NIST e news of November 2008 (Vol.: 57)

Dear Sir/Madam,

It's great to hear from you. The NIST –ENEWS seems to be getting better and really informative for Knowing what's happening in college. I have had great memories at NIST especially of Sankalp and it's great to know that Sankalp has got bigger and better. One of key things that I learnt at NIST is “you don't need to have a glorified past to have a bright future”.

Last but not least I would like to thank NIST for making me what I am today.

Cheers
Abhishek Verma (2003-07 CSE batch)
Associate Consultant (Microsoft Global Services India)

Date: Sun, 7 Dec 2008 19:15:33 +0530
From: poddardeepak@gmail.com
To: enews@nist.edu
Subject: Re: NIST e news of November 2008 (Vol.: 57)

Hey Team

Few months back i had been to NIST, It was Sunday with few of my close friends Gourav Poddar (Infosys, BBSR), R. Murali Krishna (Infosys,BBSR), Anil Agarwal (back into business after software), B. Arnab (NTCS, BAM). Well it was a Sunday Summer evening. Can't express the feelings we all had being inside the campus the same Cafeteria, main building etc. We manage to meet very few people as most of them were on Summer holidays. We met Ranen Sir and got some updates about college. Every month or so I keep on hearing of campus placement going fantastic especially for NIST in comparison to



other colleges in Orissa. It makes me feel proud, I started with Polaris where I got placed in 3rd year in NIST, and now had a change working with JP Morgan Chase, Mumbai. (US Based, Best Financial Organisation in world). College, faculties and friends played a major role in my life that's for sure, may be at times we were screwed by faculties. Nevertheless, it was a fantastic journey. I do miss all my friends a lot and the environment I had in college.

To all NISTIANS, keep all your spirits high and all the very best for all your future endeavors. A small poem I managed to get from my old diary, I wrote the day I got through Polaris Software Lab.

SUCCESS

IT WAS THE DAY WHEN I GOT THRU POLARIS AFTER SO LONG

With your body, open your mind,
Bring up the courage you have left behind.
To have this strength,
To keep the faith,
You can fight the odds
against your fate.
Just believe in yourself

For the dream is alive,
Don't hide your emotions,
Keep up your pride.
You can achieve success
In everything you do,
Just let yourself go
It's all up to YOU!

Cheers,
Deepak Poddar

Date: Sun, 7 Dec 2008 16:00:54 +0530
From: bhardwaj_nist@hotmail.com
To: enews@nist.edu
Subject: RE: NIST e news of November 2008 (Vol.: 57)

sir,
i really feel happy whenever i see this mail of nist e-news it reminds me my old memories of college. so keep sending this mail as it boosts me whenever i am alone....and give my regards to panda sir, padhy sir....and all faculty of instrumentation department.

Thanking you
With Regard
Raghendra Kumar Singh
Kribhco Fertilizer Ltd

BIRTHDAY BASH

MARRIAGE ANNIVERSARY

Mr. Swagat K. Samantaray	17-Dec		
Mr. L.K. Raju	19-Dec	Dr. Motahar Reza	19-Dec
Mr. K Lakshmi Narayan	29-Dec		
Mr. Ajay Rath	1-Jan		
Mr. Santosh K Panigrahy	1-Jan		
Mr. Atanu Dutta	2-Jan		

Mr. Dhiren Nath Parija, Office Attendant, NIST tied his nuptial knot with Ms. Sabita Pradhan on 2nd December 2008. NIST e_news wishes a wonderful conjugal life to the newly married couple.





Club EUREKA'S ACTIVITIES

The institute's Literary Club, *Eureka: Rediscover Yourself, A Quest for Literary Brilliance* organized different competitions among the students as a part of the club's observation of 'English Week' in the campus. **Mr. Amrut Phalguni Mohanty** and **Mr. Dipti Ranjan Lenka**, Coordinators, **Mr. Sumeet Choudhry**, President; **Mr. Jagannath Satpathy**, Secretary along with other members of the club monitored the entire program.

T-SHIRT QUOTE

1st-Swasti Ranjan Khuntia

EXTEMPORE

1st-Suraj Behera - 2nd yr

2nd-Pabitra Kumar Sahu - 2nd yr

QUIZZERIA

1st-Anu Pattnaik - 2nd yr

2nd-Shruti Pattnaik - 3rd yr

3rd-Swasti Ranjan Khuntia - 3rd yr

Sanjeet Dash- 4th yr

ACCENTUATO (CREATIVE WRITING)

1st-Birupakhya Dash- 3rd yr

2nd-Ipsa Akankshya - 2nd yr

COLLAGE

1st-Subhasis Jena - 3rd yr

Clubs AT NIST

NIST Robotics Club:

Integration of Innovation and Intelligence

The **NIST ROBOTICS CLUB (NRC)** was established in the year 2004 in association with IIT, Kanpur. The club was inaugurated by our esteemed Director, Prof. Sangram Mudali with an objective of creating awareness among the young minds about the magnetism of the most fascinating modern advancement in the field of Electronics, Robots, especially for the students of southern Orissa. The club members participate in many National and International competitions and have also organized many events

Summer Workshops for School Children:

NRC has been organizing a summer workshop for school children since last 5 years. Around five students are selected each from different schools in Berhampur, Konishi, Golanthara etc. for this workshop. The workshop is basically of 15 days where the school children get acquainted with the basics of Robotics. The

workshop is absolutely free for the students and NIST bears all the expenses regarding fooding, transportation etc., of them. At the end of the workshop the participants are awarded with certificates and the winners of different competitions receive prizes as well as winning certificates.

Robocon:

ROBOCON is a national level competition organized by Prasar Bharti (Door Darshan) in association with some top engineering colleges of the country like IIT Powai, NIRMA University, MIT Pune etc. The winner of this

National Institute of Science & Technology, Berhampur, 761008

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competition gets the honor of representing India in the ASIA Pacific Robotics contest. NRC has been participating in this competition since last 5 years. NRC is considered to be the only team from the eastern part of India to be participating in this competition. The NRC team members work day and night for around three months for the ROBOCON preparation with the facility of accessing the robotics lab for 24 hours in between the busy schedule of classes, semester exams, B. Tech. projects, burning the midnight oil. The passion of these robotics freaks is well shown when they wind up and walk out from the robotics lab at 6 AM in the morning and again attend the next day morning 7:30 regular classes.

Robostormz:

NRC takes the pride of organizing the biggest Robotics Competition of its kind, **ROBOSTORMZ** in the Eastern India every year for last five years. Ever since this event has started, it is gradually becoming the most talked about robotics event of the state. The event has been observing a turn up of around 3000 participants from all parts of the country showcasing their robotics talents. The event consists of a manual and automatic games



designed according to a particular theme, like, 'APOCALYPSE', 'PRINCE OF PERSIA', 'ARMAGEDDON' and so on. The event is organized in a very professional manner by giving the game theme and the detail at least one month before in a dedicated website. The event is also co-sponsored by companies like IRE, Robokits, Vegakits, Gala Electronics, Reebok to name a few.

Projects:

The club is also actively involved in various projects like 'The Humanoid', 'Spybot', 'Electric Car', 'Bipedal Bots', 'Object Follower', 'Quadrupods' etc. to name a few. These projects are carried out in the club either as a part of student's B. Tech. projects or club's projects. Recently the club is working in the research & designing of a successful 'Humanoid', which still remains a big task for many. Also the club is working on projects like TORI (The Optical Robot Insect), Image Processing and Wireless Transmissions etc.

Workshops:

Since the set up, the club has been organizing various robotics workshops. The club has organized a workshop



in association with TRI, Mumbai. The workshop was based on '*Automated Robotics*' and it witnessed a participation of around hundred engineering students from various parts of the country. The club also conducted an automatic workshop '*Robomatics*' in association with TR (Team Robotics). TR is a robotics company started by two of the alumni of the institute. This workshop also witnessed a huge participation of around 90 students from different engineering colleges. NRC is proud of these two young entrepreneurs and wishes them all success and support in future.

The club has also visited different local schools and villages like Belaguntha, APEX Institute of Technology & Management, Bhubaneswar to run workshops and conduct exhibitions and spread the knowledge of robotics to every possible corner.

The club was visited by many renowned personalities like **Mr. Rabinder Henry**, IIT Pune, **Mr. Farooq Mistree**, Georgia Institute of Technology, **Prof G.C. Patro**, etc.

The club also participates in many National level



competitions like TECHNICHE, KSHITIZ, KRITANSH etc, conducted at many prestigious institutions like IIT Mumbai, IIT Guwahati, etc. The NIST Robotics Club has always been a winner at many of these competitions. This has added to the name and glory of both NRC and NIST. Because of the quality of the robots developed and used at the ROBOCON, NRC has become well known at the IITs proving NIST and NRC's potential. The experiences gained by the NRC members at the different competitions held all over India have become a motivating factor for the students of NIST.

The club works under the supervision of our Director **Prof. Sangram Mudali**. The club is currently coordinated by Faculty Advisor **Mr. Nihar Ranjan Sahu**, Dept. of Electronics & Instrumentation Engineering. Mr. Srikant Panda and Ms. Suchilipi Nepak were the previous coordinators. The club is committed towards spreading the knowledge and potential of robotics and providing a platform to the young engineering minds and dedicated to its tagline *Integration of Innovation & Intelligence*.

Dur Victory at ROBOCON-08



Team NRC at ROBOSTORMZ-08