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CONSERVE NATURE TO SAVE CREATURE

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Cover Page
Ravideep & Suhash



from the director's desk

“Aiming small is a crime”

Former President, A. P. J. Abdul Kalam in Deccan Herald (December, 14, 2008)

As we begin the academic session in the New Year 2009, we wish to remind ourselves with the quote of Dr. Abdul Kalam that there is no final frontier to dreaming big. Critics will always point out that the times are disturbing – but haven't we seen similar upheavals in the past. I am sure final year and pre-final year students are buffeted by the news of the upheavals in a few IT sectors. As one of my friends remarked on FB, “can we have the past please”.

Let's look at the bright side: the Indian economy is expected to roll over the recessionary trends based on its strong internal demand as different from China with its dependence on external demand. Is anyone thinking of satisfying the huge internal demand for software and services? There are hundreds of places where one can do a “railway computerization” miracle or thousands of places where “ICT can be the critical enabler”. Towards this end, we recently organized a 3 day workshop on “Initiation in Entrepreneurship” which was a great beginning with highly enthusiastic student participation and support. I am personally very keen on entrepreneurship in education. A friend recently showed me the huge potential for using the internet for serving the educational needs of engineering students. Good teachers are so rare to find and hence such teachers can teach hundreds and thousands using the internet. Those who want to share the experience can log on to www.cdeep.iitb.ac.in and enjoy the live experience. One can also do the same by logging on to our NIST server for the NPTEL web and video courseware. I urge students to share with me any educational enterprises they are passionate about. The Institute will surely like to incubate a few of these ideas. As ex-President of South Africa and world statesman Nelson Mandela says “Education is the most powerful weapon which you can use to change the world”.

On a lighter side, I have recently discovered a treasure trove of photos – how my IIT/K batch mates looked in 1980's versus how they look today. That, of course, is another topic for another day. As of now, this is how I looked 28 years back!

With Best Wishes,

15 January 2009



Sangram Mudali

from the editors' desk

The new Sunrise of the New Year 2009 has already ignited the true spirit of being a NISTian and achieving heights with setting benchmarks for all those envious followers – The Best Doctoral Thesis Award, Young Scientist Award, Publications in reputed International Journals, successful completion of PGDM 1st Trimester Autonomous Exam and a Poem by Prof Raja Rao – this is just the beginning of great things.

The student community is quite apprehensive about their future endeavors as the current recession period has definitely led everybody to keep their fingers crossed. ‘Future is really uncertain’ is the feeling which every IT job aspirant today undergoes. With the Hamletian dilemma “To be or not to be...” young techies are really worried and sensibly have started thinking of what could be Plan B other than the major job providers- the IT industry. But to add a line of Hope, the Future is Bright since it has opened avenues for other core fields. The quality of education has always retained its value intact and will definitely nourish the motivated student in making them believe, “Labor has its own reward.”

Dipti Ranjan Lenka

Amrut Phalguni Mohanty



Placement Drive

B. Tech. (Batch 2005-2009), I-Technology Solution, Hyderabad

Vikash Kumar – IT

Avinash Kumar – IT

Best Thesis Award

Dr. B. Pavan Kumar, Faculty, Dept. of Management Studies, has been awarded with the **Prof. Durganand Sinha Best Ph.D. Dissertation Award** among all PhD theses in the year 2008 in the field of management in the entire country. Only top five of PhD theses from leading institutes of the country including IITs and IIMs were short listed for presentation. The presentation was evaluated by Dr. Elizabeth Campbell, President, BPS, UK; Dr. Saths Cooper, Psychological Society, South Africa; and Dr. Arvind K. Sinha, IIT Kanpur. The gold medal and certificate were presented to Dr. B. Pavan Kumar in the **XVIII Annual Convention of the National Academy of Psychology (India)**, held at IIT, Guwahati, from 14th – 17th December 2008. The topic of Dr. Pavan Kumar's dissertation is at the area of Industrial Psychology. The award was given by the National Academy of Psychology (NAOP), apex body of psychological research in India. It has collaborations and MoUs with International Union of Psychological Sciences (IUPS), British Psychological Society (BPS) and Psychological Society of South Africa. Prof Sangram Mudali, Founder & Director of NIST while congratulating Dr. Pavan Kumar said that the Management faculty has a vision of attracting the best of brains in the country to NIST.



Dr. Pavan (R) with Director Sir along with his Award and Medal

Young Scientist Award



Ms. Pati during the presentation of her research work

Ms. Anita Pati, Faculty, Dept. of Chemistry, received the '**Prof. R. C. Tripathy Young Scientist Award**' from the Orissa Chemical Society in recognition of her research work carried out in the field of "*Synthesis of Organic Compounds containing Pharmacologically Active heterocyclic Moieties*". She was felicitated with a cash prize of Rs. 1000/- and a certificate in the recently concluded 22nd Annual Conference of Orissa Chemical Society held at North Orissa University, Baripada.

Awarding of PGCTE to NIST Faculty

Ms. Tripti Mund, Faculty, Dept. of English, has been awarded with the '**Post-Graduate Certificate in the Teaching of English**' by The English and Foreign Languages University, Hyderabad.

POSCO Asia Fellowship to NIST Student

Aditi Gidra, Student, B. Tech. 6th Sem. received the **POSCO Asia Fellowship** provided by the POSCO TJ Park Foundation, Korea on 24th December, 2008. It was handed over by Dr. Omakarnath Mohanty, Vice Chancellor, BPUT, Mr. Soumya R. Behera, HR, POSCO India, and other eminent personalities on 24th December 2008 at the BPUT office in Bhubaneswar.



Conference, Workshop, Seminars Attended

Mr. G. Prasad, Faculty, Dept. of Electrical and Electronics Engineering, attended a two-day workshop on ‘**EDSA Software Application to Power Systems**’ jointly organized by Department of Electrical Engineering, University College of Engineering, Osmania University, Hyderabad and NEWTECH Solutions, Hyderabad, Authorized Partners in India for EDSA Micro Corporation San Diego, California, U.S.A. on 5th & 6th December 2008 under Technical Education Quality Improvement Program (TEQIP).

Mr. Chandan Kumar Jha, Faculty, Dept. of Electronics and Communication Engineering, attended a Short Term Course on ‘**VLSI Signal Processing**’ at IIT-KGP from 22nd – 26th December 2008. A number of 88 candidates participated in the said program. Among the resource persons were, Prof. M. Chakraborty and Prof. A. S. Dhar, IIT, Kharagpur. The Course focused on Digital System Design and VLSI DSP Systems.

Mr. Satyabrata Das and **Mr. S. N. Panigrahi**, Faculty, Dept. of Electronics and Instrumentation Engineering, attended an AICTE & MHRD sponsored FDP Course on “**Image Processing : Fundamentals & Advances**” held at N.I.T. Rourkela from 15th – 28th December 2008.

Dr Ajit K. Panda, Dean and Faculty, Electronics and Communication Engineering, **Mr. Siddhartha B. Neelamani**, **Mr. Debananda Kanhar**, **Mr. Ranjit Behera**, and **Mr. K. Laxminarayan**, Faculty members, Dept. of Computer Science & Engineering attended a workshop organized by Mphasis, Mangalore, under the banner of College Connect Program from 15th – 20th December 2008. The workshop basically focused on teaching methodology, soft skills and Green IT & Virtualization. A number of colleges attended this first ever College Connect Program by Mphasis. NIST is a signatory of the MPhasis Campus Connect Program – one of the only 10 institutes in the country.

Mr. B. Balam, Faculty, Humanities and Management Studies, attended an AICTE sponsored Quality Improvement Program on “**Emerging Trends in Research and Teaching Accounting and Finance**” organized at Management Development Institute (MDI), Gurgaon, from 22nd December 2008– 2nd January 2009. The QIP basically focused on the areas like, Advanced Financial Statement Analysis, Mathematical Programming and Capital Budgeting, Financial Econometric, Empirical Testing of Asset Pricing Model, Basics of Stochastic Processes, and Application of Stochastic Calculus in Pricing of Derivative Assets.



Mr. Balam with other Delegates

Mr. Dipti Ranjan Lenka, Faculty, Dept. of English, attended a Short Term Course on “**Linguistics and its Applications**” organized by Dept. of Humanities, IIT-KGP from 27th – 29th December 2008. The training programme highlighted on some of the important areas of Linguistics which includes Phonetics, Semantics, Pragmatics and Linguistic Applications like Natural Language Processing, Machine Translation, Socio-Linguistics, etc. Speakers of National repute from other IIT’s contributed immensely to the programme. The entire STP was successfully coordinated by Dr. Jayashree Chakraborty, Professor, Dept. of Humanities, IIT, KGP.

Aditi Gidra, Student, B. Tech. 6th Sem. attended the ‘**38th ISTE Annual Convention and National Seminar**’ and ‘**Asia-Pacific Regional Conference (APRC)**’ held at KIIT University, Bhubaneswar, from 18th – 21st December 2008. She was invited as an International student delegate sponsored by IFEEES (International Federation of Engineering Education Society), USA. She made a presentation on formation of student councils.



Papers Presented

Mr. R. K. Das, Faculty, Dept. of Electronics and Communication Engineering, presented a paper named **“Free Space Based Optical Communications System”** prepared by Mr. Mihir Hota, Dr. S. K. Tripathy, Mr. R. K. Dash, Faculty members, Dept of Physics and Dr. A. K. Panda, Dean and Faculty, Dept. of Electronics and Communication Engineering, in the National Conference on **‘Emerging Trends in Information Communication Technology (ETICT-08)’** held on 19th and 20th December, 2008 at GITAM University Visakhapatnam. This paper is adjudged as the **Best Paper** presented in the session **‘Networks and Data Communications’** at Knowledge Resource Center, GITAM University, Visakhapatnam.

Dr. Ajit Kumar Panda, Dean, **Mr. M. Suresh**, and **Mr. Chandan Jha**, Faculty, Dept. of Electronics and Communication Engineering, presented a paper at the **‘National Conference on Emerging Trends in Information Communication Technology (ETICT-08)’** organized by Directorate of Consultancy, Projects and Collaborations (CPC), GITAM Institute of Management (GIT) and GITAM Institute of Science (GIS), at GITAM University, Visakhapatnam on 19th and 20th December 2008.

Mr. Mihir Hota, Faculty, Physics, presented a paper entitled **“Coupling Optimization in Holographic Coupler-Large Area Dispersion Flattened Fiber System”** prepared by Dr. S. K. Tripathy, Mr. Mihir Hota and Mr. P. Nayak in the **International Conference on Computing Communication and Networking (ICCCN-08)** at Chettinad College of Engineering and Technology, Karur, Tamilnadu held from 18th – 20th December 2008. This paper is reviewed and selected by the technical committee out of 728 papers received worldwide. Only 180 papers were selected and presented in the conference. After the



Mr. Hota (L) in the conference

presentation this paper is short-listed to be published in IEEE Explore. This conference was sponsored by IEEE and Co Sponsored by Department of Information Technology, Ministry of Communication and Information Technology, Govt. of India, Council of Scientific and Industrial Research, Department of Science and Technology, IBM, INTEL, Microsoft, ZIPS Research Foundation, LENOVO and Chettinad Cement.

Mr. S. M. A. K. Azad, Faculty, Dept. of Electrical and Electronics Engineering, presented a paper entitled, **“Wireless Electrical Switching”** in the National Conference on **‘Recent trends in Electrical Engineering 2008’** organized by the Department of Electrical Engineering, NIT Hamirpur (H.P) on 26th and 27th December 2008. Mr. Azad also presented a paper, coauthored by Mr. M. Suresh, Faculty, Dept. of Electronics and Communication Engineering, entitled, **“An Investigation on Interfacing between two Processors through the Wireless Medium to have an ad-hoc Network”** in the National Conference on **‘Emerging Trends in the Computing and Communication 2008’** organized by the Department of Computer Science, NIT, Hamirpur, Himachal Pradesh, on 30th – 31st December 2008.

Dr. E. Raja Rao, Faculty, Dept. of English, delivered two lectures on (a) **“The Marginals in the 20th century American, British, Canadian and Indian English Fiction”**, and (b) **“The Women as the Marginals in the 20th century women writing cutting across the Cultures”**, to the Refresher Course Participants of the Department of English, Utkal University, Vani Vihar, Bhubaneswar, on 15th December 2008.

Dr. E. Raja Rao, Faculty, Dept. of English, delivered a Key-note address in the Seminar on **“Relevance of Communicative English in the present Scenario”** to the students and the Staff of the Bhanja College of Computer and Management, Bhanjanagar on 21st December 2008.

Dr. E. Raja Rao, Faculty, Dept. of English, delivered a Key-note address on the occasion of the UGC National Seminar on **“The Promotion of Ethics and Moral Values”**, conducted by Kotpad College, Kotpad (Koraput) on 27th December 2008.



Mindsplash

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

It is in fact a very tedious task when one thinks of what to write for the month. Should it be the matters concerning the world or the matters concerning the nation or simply the matters concerning one's own self? Well there is no denying the fact that world matters do bear an immense effect on an individual's life. But keeping in mind the chaos that is now prevalent in the world, one of the suggestions to restore order and faith would be to reestablish our faith in the adage, "**charity begins at home**". It is in fact all the more ironic to face the fact that the happenings in the previous months have shocked us out of our very wits. Here I am referring to the **unfortunate turn of events at India's fourth largest IT major Satyam and of course the notorious four year ban on India's third largest IT major Wipro along with some other companies of India Inc.**



Mindsplash firmly believes in expressing all the facets of the issue that has splashed onto our minds and to express an honest opinion. So here it goes. To begin with the sensitive issue of the million dollar fraud at Satyam (sensitive of course it is for it has direct impact on its current and future employees as they dream of their bright and secure future along with it). The financial terror I must say is all the more threatening to the very existence of mankind in the present era for not does it threaten the mortal life but also the happiness and optimism that helps in sustaining it. The Satyam scam has raised the widespread fears that India Inc. could be sitting on a devastating financial time bomb. The Satyam fraud, reportedly planned and perpetrated over seven years, was more meticulously devised and executed than any hit-and-miss terror attack. What makes it scarier is the fact that it was carried out not only in full public view and the glowing light of public approbation (And that too a Rs. 7000 Crore scam!!). In his confessional letter Mr. Ramalinga Raju pleaded 'mea culpa' and said that in the second quarter of this fiscal, **Satyam's operating margin was actually 3% and that it had been overstated as 24%**. To shed more light on the matter the operating margin figure is directly responsible for the high P/Es this counter commands and in return, reflects even higher net worth of the promoters. And it is this disclosure of facts that has baffled analysts and industry figures. But the real damage done by this fiasco or blow-up is to the credibility of brand India as a whole and not just in terms of IT. One might say the consequences are evident in the World Bank ban on Wipro, Megasoft and other companies for four years. But one cannot be sure of the cause until declared. Wipro has been on a fire-fighting mode to contain damages from the revelation of the World Bank ban. The ban on Wipro was made on the ground that the Indian IT major had issued ADRs to employees of global lender in alleged violation of rules.

It is reassuring to know that faith is stronger than the fears and it is evident from the efforts made by one and all to overcome these unfortunate turn of events. **With the government rushing to the aid of Satyam, it has promptly taken reconsolidating the company by appointing new members on its board.** The Reserve Bank of India is looking into the matters regarding the financial status investigations and so is SEBI. As for the four year bans by the World Bank, Wipro chief Mr. Premji has stated clearly in his defense that, "Wipro was right from legal as well as ethical standpoint." **The good news is industry body Assocham has strongly supported the stand taken by Wipro.** "Wipro did nothing wrong," Assocham secretary general D S Rawat said. According to him companies such as Wipro, TCS and Infosys practice the highest standards of business ethics and India Inc. would back up the leading software firm. The government's steps have also given hope to the employees as well as other IT companies that the dark days would pass off soon.



Given the Satyam scam's enormity, former, independent directors can't get away with buck-passing, their impeccable credentials notwithstanding. Pricewaterhouse, the Indian arm of an internationally reputed audit firm, too must explain its lapses. If, in place of deliberate collusion, it merely rubber-stamped Satyam's internal audits, that would constitute a gross violation of auditing norms. Uncovering the truth and punishing the guilty should be a mission for all investigating authorities concerned. What we must remember now is the fact-**"no less than India's image is on the stake"**. We have to regain **the transparency and accountability that we had started to achieve in our system after years of persistence and that we would forever be proud of**.

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

An Account of the Global Students Forum in Cape Town

Aditi Gidra, B. Tech., 6th Sem.

You haven't been given any dream if you aren't vested with the power to fulfill it. I still remember my geography classes when we used to mark different cities of the world. Southern most tips do stand out among the rest as they are very easy to remember and one such place is Cape Town in South Africa. I always wished to go on a world tour and this beautiful city was certainly on my palate. This dream came true when I along with nine other students from different parts of India was selected by **INFOSYS** to represent India in the student forum. They sponsored our entire trip and we are indeed grateful to them for this gesture.

The Student Platform for Engineering Education Development (**SPEED**), in conjunction with the **University of Cape Town (UCT)** and the American Society for Engineering Education (**ASEE**), presented the '**3rd Global Student Forum on Engineering Education**' in Cape Town, Republic of South Africa. It was a part of the '**7th ASEE Global Colloquium on Engineering Education**' held at Cape Town, SA from 18th- 24th October, '08.

The topic of the Student Forum, of which I was a part, was '**Sustainability and Engineering Education**'. Engineering Education is a separate discipline of its own and has elements of social studies and humanities. It is a hot topic for research amongst Ph.D. candidates abroad. It is an unheard concept in India but its high time when we also start investigating this subject. With the mission of spreading these ideas among students in India we were selected to attend this conference so that the knowledge and experience we gain out there can be brought in use in our respective localities first and unite together to bring India forth in this global research.

The biggest challenge that we, going-to-be engineers, face today is that we should not only be technically competent and have ethics but we should also focus on our living conditions, political and economic dynamics else we will have to live with decisions what other less competent will make. As engineers, the essence of what we do is finding real solutions to real problems. We should emphasize on how sustainability concepts exist in education beyond the curriculum. There is a vast difference in **what we learn and what we apply**. We have scores of information available to us. We just need to keep ourselves open and work in unison to make the world more sustainable.

After meeting students from different universities, I got to know that there are student parliaments which play an important role in student affairs and even have a say in deciding the curriculum. In Russia and many countries of Europe these parliaments and councils only form a part of the future senate. Engineers everywhere are not just confined to their curriculum and interested in jobs, they have a major role in



almost every field irrespective of whether it is technically related to them or not. We too can work to bring about some change in our local communities at least.

I even got an opportunity to meet education strategists of various companies like Dassault Systems, The Math Works, Autodesk, etc. These companies allow the students to transform their creativity and aesthetic senses to technical objects and even sponsor them for fulfilling their dreams. These opportunities exist for us too. It's just that we don't realize them.

This was my first international trip. It was indeed an enriching experience. I was earlier apprehensive about the whole program but the environment out there was very friendly. Everyone was interactive and the arrangements were absolutely fabulous. We even had a few ballroom lunches. We got to meet eminent professors of well known universities across the globe. We even got a chance to interact and network with people from different organizations and companies. This international conference has a lot of follow-up work to do. The entire trip to Cape Town was a great learning experience and I'll always be grateful to Dr. Ajit Kumar Panda, Dean and Mr. Debanand Kanhar, Faculty, who supported me in every step to make this trip possible. I would just like to tell everyone that never ignore any opportunity because we never know what fate has in store for us. I'd like to end by stating a quote by St. Francis of Assisi – *“Start by doing what's necessary, then what's possible, and suddenly you are doing the impossible”*.

Papers Published in IEEE/IET Journals

Dr. Sidharth Panda, Faculty, Electrical and Electronics Engineering got his paper entitled, **“Real-Coded Genetic Algorithm for Robust Coordinated Design of Excitation and SSSC-Based Controller”**, published in the International journal, **‘Journal of Electrical Engineering’**, Volume 8 (4) / 2008.

Dr. Sidharth Panda, Faculty, Electrical and Electronics Engineering got his paper entitled, **“Optimal Supplementary Damping Controller Design for TCSC Employing RCGA”**, published in the International journal, **‘International Journal of Computational Intelligence’**.

Dr. Sidharth Panda, Faculty, Electrical and Electronics Engineering got his paper entitled, **“Simultaneous Tuning of Static Var Compensator and Power System Stabilizer Employing Real-Coded Genetic Algorithm”**, published in the International journal, **‘International Journal of Electrical Power and Energy Systems Engineering’**.

Mr. Diptendu Sinha Roy, Faculty, Computer Science and Engineering along with Dr. Ajit Kumar Panda, Dean and Faculty, Electronics and Communication Engineering published a paper entitled, **“Software Reliability Allocation of Digital Relay for Transmission Line Protection using a Combined System Hierarchy and Fault Tree Approach”**, in the journal, **“Institute of Engineering and Technology (IET) Software”**, 2008, vol. 2, No. 5, pp. 437-445.

Dr. Ajit Kumar Panda, Dean and Faculty, Electronics and Communication Engineering, published his paper, entitled, **“Comparative Study on the High-Bandgap Material (GaN and SiC)-based Impact Avalanche Transit Time Device”**, in the journal, **Institute of Engineering and Technology (IET) Microwaves, Antennas and Propagation, Vol. 2, No. 8, pp. 789-793.**

Dr. Ajit Kumar Panda, Dean and Faculty, Electronics and Communication Engineering, published his paper, entitled, **“Optimized Ion Implantation Profiles for the p-n Junction using Fourth Moment Approach for Application in High Frequency VLSI Circuits”**, in the journal, **ECTI Transactions on Electrical Engineering, Electronics and Communications, Vol. 6, No. 2, August 2008.**

All the papers published above received the prestigious NIST Paper Recognition Award of Rs. 2500.00 per paper to the Author faculty members. CONGRATULATIONS.



Publication of PGDM Examination Result

NIST is running the Post Graduate Diploma in Management as an autonomous approved program under All India Council for Technical Education (AICTE), New Delhi. For the first time the PGDM students appeared their 1st Trimester End Exam conducted at NIST Business School from 15th – 20th December 2008. NIST B-School successfully published the result of the same on 3rd January 2009, only 13 days after the completion of the exam. A complete on-line system (special thanks to Mr. Bhawani S. Patnaik and his NTCS team), including students' registration, assignment of invigilation, acceptance of duty chart, students' attendance, daily room allocation, etc. was been deployed for running the exam smooth. NIST also took the help from very reputed external professors from different colleges and universities for setting and evaluating the examination papers.

Thanks to Mr. M. Suresh, Dr. Arun K. Padhy for their help to conduct the examination and evaluation process. Thanks to Ms. Gita Madhuri, Centre Superintendent of the Examination, and all the Invigilators for conducting the examination smoothly.

This is the first examination conducted by NIST PGDM as an Autonomous Degree Granting Institute – the NIST Business School.

New Year Party

With new dreams and aspirations, the institute celebrated the New Year on the 2nd of January 2009. Celebrating the achievements of the year going by, 2008, the party started with a warm welcome and New Year greetings by esteemed Director, Prof. Sangram Mudali, along with Ms. Geetika Mudali, Placement Director, Dr. Ajit K Panda, Dean. Few other faculty members shared their take-aways from the academic year 2008. All faculty members and staff enjoyed the party along with the sumptuous lunch.

NIST Welcomes

NIST welcomes the following members to its parivaar:

Mr. Kumar Srikanta Nayak joined as a Faculty in the Dept. of Management Studies. He has done his MBA (Marketing) from Regional College of Management, Bhubaneswar after his B.Sc. from Berhampur University. Mr. Kumar has around 6 years of teaching and industry experience to his credit. Before joining us, he has served as a Medicine Representative in Mankind Pharma, as a Territory Branch Manager in Nicholas Piramal India Ltd., Mumbai, as a Lecturer at IPSAR, Cuttack and as an Assistant Professor at Vidya Dayini College of Information Technology & Management Studies, Hyderabad. Mr. Kumar takes his research interest in the field of Retailing and is currently pursuing his PhD on *“The Contribution of Stores & Customer Characteristics to Perceived Value & Customer Loyalty in Indian Retail Context”* from Utkal University, Bhubaneswar.



Mr. Ashok Kumar Samantaray joined as the Manager of Accounts. After completing his M.Com and LLB from Utkal University, Bhubaneswar, he did his ICWAI (Inter) from ICWAI, Kolkata, and DCFA from Computer Software Training Center, Kolkata. Mr. Samantaray worked for 7 years as Manager, Accounts at AWARE before joining NIST.

Ms. Smita Mohanty joined as the Library Assistant at NIST Business School. After completing her graduation from Khalikote (Autonomous) College, Berhampur, she has done her MLIC from SMIT, Berhampur.





Quiz

K. Venkateswar Reddy, B. Tech., 3rd Sem.

1. NGULTRUM is the official currency of which country?
2. ORTOGRAPHOBIA is a fear of what?
3. Which work did Jane Austen describe as her OWN DARLING CHILD?
4. Which is the only snake in the world which builds a nest for its eggs?
5. Which Middle Eastern country's Arabic name means TWO SEAS?
6. Which is the largest natural satellite in the solar system?
7. VINSON MASSIF is the highest point of which continent?
8. Who wrote CURRIES AND OTHER INDIAN DISHES?
9. Who composed raga Priyadarshini in memory of Indira Gandhi?
10. In 1925, which Hollywood actor was the first to appear on the cover of TIME magazine?

A Winter Morning

Dr. Rajarao Ejiribidi,
Faculty, Dept. of English

When I decide to graze the winter morning
In the foggy chilly weather
I look at my palms
Red, fresh and warm
Properly groomed with gloves
Slowly I feel the wings of my feet
Feathering inside the canvas shoes.

I fix my target before I begin
A spot, clean pretty and elegant
Visited by the milling crowd
Of sundry professions
Intending to shed their wounded burdens
Into the thin fragile air
And be ready for newer games
Of the approaching day and the night.

Suddenly life becomes a remix
Of men and women in colored dresses
Feeling to have become taller by an inch
As they make strides on the inky roads
Bereft of thoughts, arguments, calculations
Start concocting fresh designs
With every step they traverse
And every breath they breathe.

The stars above pretend to see not
The graphs we make
The designs we draw
The dreams we dream
The actions we stumble upon
As if they would allow anything and everything
We conceive of as our plans.

Let's be careful of our dreams and designs
That border on others' realms
Free open sacred and broad
Let's not touch others' fringes
Lest our dreams shy away
Into the oblivion like the sky
Which once upon a time quite well nigh

Quiz Answers:

1. Bhutan, 2. Fear of spelling mistakes, 3. Pride and Prejudice, 4. King Cobra, 5. Bahrain, 6. Ganymede, 7. Antarctica, 8. Mulk Raj Anand, 9. Amjad Ali Khan, 10. Charlie Chaplin.



CHANGE – from generation 'NEXT' to 'NOW' - Part 2

Kedar Mukherjee, B. Tech., 8th Sem.

“Two things are infinite, the universe and human stupidity, and I am not sure about the universe”.

Albert Einstein

Hope you still hear the cries of commuters shot by Kasab outside the CST railway station, Mumbai as clearly as you did on 26/11. This is of utmost requirement because the ongoing blame game between our governments with little to no solution wants us to believe that “Everything is ok”, when the truth is just the opposite. Pages of history get filled up continuously but the characters in play in the current page are YOU and ME. So, forget about any existing option of hiding behind the ‘*purdah*’ of being ‘NEXT’ generation, instead face the devil of terrorism as generation ‘NOW’.

What we need is to identify all forms of terrorism plaguing our motherland, External as well as Internal. Let us deal with these menaces like a computer processor supporting multiprogramming. What I mean is that we though, may be dealing with one of them at a time with full strength but the enemy should feel as we are fighting the war on parallel fronts.



By Internal terrorism I mean the terrorism bred and spread by some self proclaimed messiahs of religious, regional and linguistic communities. These self proclaimed messiahs or rather goons for the sole purpose of gaining cheap publicity and thereby fulfilling their petty goals are pushing the country to a state of utter disorder similar to that of Soviet Union of 1970's. This Balkanization is to be dealt with a firm hand. We need to change the saying: “I am an Indian first then I am an Oriya, Bengali, Bihari or Marathi” to “I am only an Indian and nothing else than an Indian”. This was the mindset through which our freedom fighters used to see themselves in the mirror. Then only we will be upset the designs of those CHEAP, NO DOER politicians who are constantly engaged in pitching a Marathi against a Bihari or a Tamil against a Kannad. It is up to us to solve all lingering issues which form the root cause of hatred deep inside our heart against a particular community and ultimately result in constant bickering with our fellow countrymen. Domestic issues have to be resolved with urgency. Otherwise, how can we even expect of solving a Siachen or Baglihar dam dispute with Pakistan and Kosi river dispute with Nepal when we are not able to solve our very own Kaveri water dispute between the states of Tamil Nadu and Karnataka. So, what should we do? Call a Bandh or sit in a Dharna? No, instead use our precious weapon of VOTE. The quote preaching “Vote like a responsible citizen” appears too weak to feign with in the current scenario if we exercise our ‘Right to Vote’ as one of the ritual which occurs after every five years and is responsible for draining out hundreds of crores of rupees from tax payer’s money. We all tend to vote keeping in view the happenings of recent past, the trend which the shrewd politicians are very much aware of. This is the reason why in the first three years of the assigned five year terms inflation peaks up and law and order condition nosedives. But, then the incumbent government throws a piece of meat in guise of implementation of pay commissions report thereby increasing the salaries of government employees without paying even a little thought to how much it would increase the load on the exchequer. And we forget everything.

To help ourselves of taking an unbiased decision what we need to do is prepare a weekly report card of the government and before voting just go through it. Then only we can plug those union ministers who try to bake their bread on the pyre of an ATS officer or those chief ministers who use the noun ‘DOG’ as an adjective for a family of a martyr NSG Commando.

So, this time let’s prove Einstein wrong.

(Your views on **CHANGE** are welcome at mukherjeekedar@yahoo.co.in)



Tech Check

Md. Ashraf Adil,

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

Zapi UV Toothbrush Sanitizer Rocks the Germs Out

Warning! It's not for those who have never felt the need of an appointment with a Dentist. The first thing that flashes through our mind when we talk about teeth is 'TOOTHBRUSH'. Your toothbrush can get pretty nasty with all those germs and putting it into your mouth day after day without properly sanitizing it can cause you to get sick. Leaving it exposed on your bathroom sink is often the only option for storage and while that will allow it to dry out, it also allows all sorts of bathroom germs to get on your brush. A UV light sanitizer is a safe effective way to go beyond just rinsing off your brush.

The egg-shaped Zapi UV Toothbrush Sanitizer has a germicidal UV light inside to kill the germs on your toothbrush. Its internal ultraviolet light kills 99.9% of all germs on your toothbrush. This cool looking bathroom gadget is bottom weighted so like a Weeble, it wobbles but it won't fall down. The Zapi has one button activation and auto shut-off in just 7 minutes. Available in a few different snazzy colors, the Zapi both stores and sanitizes your toothbrush.



Emergency MP4 Player with 8 Functions

The SM010A Emergency MP4 Player from Hong Kong's SATY is an insane convergence of technologies. It can play standard MP3 and MP4 files like a normal PMP and it has a radio. Since this is an "emergency" player so it also has a built in flashlight on its top side. It can use its own battery to charge up your cell phone or other USB powered device. There's also some sort of SOS alarm. The SM010A will never run out of power because in addition to its 700mAh battery it also has a pull cord on the left side which allows you to endlessly power it up. 2 minutes of string pulling is enough juice for 1 hour of flashlight usage or 1-2 hours of standby on your cell phone. The gadget can also be powered by USB.



But wait, there's more! The Emergency MP4 Player also has a pest and mosquito repellent, which is probably just a high pitched sound. For late-night-party-attenders there is an alcohol breathalyzer. And coming soon "smoking heater" that's probably a lighter and poison gas detector. Wow. This thing is boxy and bulky looking but it sure packs in a lot of functions.

Courtesy: craziestgadgets.com, gearlog.com

Marriage Anniversary

Birthday Bash

Mr. Mihir Hota	21-Jan
Mr. M. Suresh	4-Feb

Dr. Sukanta Tripathy	25-Jan
Mr. Sidharth Pattanaik	26-Jan
Mr. Rajesh Kumar Das	31-Jan
Ms. Geetika Mudali	8-Feb
Prof. Sangram Mudali	8-Feb
Dr. Arun Kumar Mohapatra	9-Feb
Dr. Gayadhar Panda	11-Feb



NEWS DESK

Pratyush Mishra, , B. Tech. 3rd Sem., Team e_news

This New Year was overshadowed by the after-effects of the Mumbai terror attacks. The international community did extend its full help to the nation to overcome this period of crisis but at the same time the tensions between India and Pakistan showed no signs of easing. The Trident and Taj reopened setting an example of never quit attitude. The blame game continued with India providing proofs of links of the terror attacks with Pakistan while at the same time Pakistan continues to deny any such allegations. The external affairs ministry has prepared a dossier with credible proof which is being circulated to the international community as evidence against Pakistan.

In the meantime the country was rocked by another major upset with IT major SATYAM Director RAJU confessing to a 40bn fraud perhaps the biggest of its kind.

Another two IT giants-WIPRO and MEGASOFT were caught in the World Bank net. Internationally ISRAEL struck the GAZA strip with its armed forces after missiles were fired from GAZA strip. In India the fuel prices were cut following decrease in the barrel prices. OMAR ABDULLAH became the youngest chief minister to hold post for the KASHMIR valley. SIBU SOREN finally quit as the CM. The RBI cut its rates on FM prod. While talks of the government with the oil PSU's failed leading to dry oil supplies throughout the nation for about two days, this actions of the non-cooperating officers was immediately dealt by the government. Another major strike was by the truck association which brought the national supplies to a halt. The Indian Air-force continued to remain in a passive defense mode. The sensitive index continued its tally of rise and fall with the mark remaining below the 10k mark. At the state level the Christmas and New year celebrations took place in harmony despite threats by fundamentalist groups, the Somali pirates continued their terror at the gulf of Aden. Switching over to Sports, the England team came back to India but to only meet with another series defeat. India set the record for successful run chases at Chennai. However immediately after controversy raged the English leading to the sacking of the captain and the coach, Manchester united lifted the Barclays premier league while the South African cricket team tormented the Aussies leading to the first home defeat in 16 years. The Chennai open kicked off where India found a new star Somdev who sent moya out but ultimately gave up to a fighting match.. At the domestic level Mumbai continued to shine with Wasim Jaffer notching up an average of 90.93 this season. In badminton Saina Nehwal broke into the top 10 and reached the semifinals of the badminton masters. Pakistan's pace-spearhead Shohaib Akhtar got the axe from his IPL side-knight-riders.

To conclude-wish all of you a very happy and prosperous new year.

Life ...an immortal feeling

Kumud Ranjan, B. Tech., 4th Sem,

Like dust I sprang in the air
For others I never care
I flew as if I had wings
Like a kite without strings

Even in gloomy days I laughed merrily
While I was facing pain dreadfully
Against me was the whole world
I didn't say a single word

While the sun burnt my bare feet
I stood alone away from the street
I had also lost my dear friends
Solitary then, I lost my sense!

Even then I stood tall alone
For I knew once life's gone
People would count the best things
What you had done as a nice being

No matter how rich you were
Matters how many ditches you cover
No matter how much you read books
Matters how many you have crooked

Like a legend life you live
Like Solomon to needy you give
Live the life like jovial
Cause life is a feeling immortal...!



Clubs at NIST

Renewable Energy Club : Go Renewable Go Non-Exhaustible

The renewable energy Club (REC) was established in the year 2007 with the collaboration of OREDA (Orissa Renewable Energy Development Association), which is a Govt. of India undertaking. This makes the club most out-standing club of NIST.

With a backing of the Government and esteemed Faculty members of NIST, the club becomes very special. And being special it adds to the hopes and expectations which this club has proudly carried all the way, from the day of its inception i.e., 12th of February 2007. "SPREADING AWARENESS AT THE COLLEGE LEVEL ABOUT RENEWABLE ENERGY" being the motto of the club, it started its journey with a bang under the presidentship of Mr. Nadim Shahin and an able guidance of our faculty advisor Dr Gayadhar Panda. Starting with a National Level Technical Essay Competition on Renewable Energy, then going on to carve a niche in Sankalp 07 as RENOVARE. Along with this it also had a slogan competition to motivate the young engineers. And thus REC gained stature day by day. Now under the able leadership of Ms Sanghamitra Banerjee, this club has reached a new level of perfection and professionalism and is still galloping ahead to explore new roads to glory. She along with a very strong, dedicated and hardworking group of individuals are always on their toes to keep no stone unturned in keeping the flag of REC flying high.

The hard work shown by them bore fruits in Sankalp 08, when the Deputy Director of OREDA Mr. A K Choudhury, applauded the work undertaken by REC in the event RENOVARE & promised to help the club in every respect specially to fulfill its dream project i.e., A RENEWABLE ENERGY PARK AT NIST. The best part of this event was we had students participating from all over India.

The Club also gripped Col. Rajendran from Army air defense college, Gopalpur who was mesmerized by the grandeur and participations in a quiz competition held by the REC under THE REPLENIR MANTRA. This competition witnessed a whooping 200 participants, a record in itself. This all recites the success story this club has written for itself.

The REC team along with the robotics team of NIST also managed to undertake a project of starting the display board in the bus stand with the help of solar energy. And it was successfully completed.

Presently the team of REC is working on the establishment of a renewable energy park at NIST.

Of course all these efforts would not have been possible without the help, support and encouragement of our Director Sir, Prof. Sangram Mudali who had been always there to boost us. We are also thankful to our college authorities who have always taken the responsibility for supporting and helping our club.

Hats off to The REC

Conferences Attended

1. National conference on The Technology for Sustainable Utilization of Natural Resources (TECH-SUNR 07) at JITM, Parlakhemundi attended by Ravi Prasad and Anand Bose
2. International Conference On New sources of Renewable Energy at IIT Kharagpur attended by Nadim Shahin and Gaurav Mishra.
3. International Conference on Renewable energy at Bhubaneswar. This conference was inaugurated by Chief Minister Naveen Pattnaik attended by Divya Bhanu and Sanghamitra Banerjee.
4. 18th International Conference on Photovoltaic Technology in Kolkata attended by Kamakshya Jena and Anand Kumar.

An experience at REC Seminar

Divya Bhanu, B. Tech., 4th year

22nd October, 2008- The most remarkable day of my life!! It was an "International Seminar on Renewable



Energy in climate change mitigation” which was organized by MNRE, ICCE, OREDA. I was accompanied by my friend Ms. Sanghamitra Banerjee to this conference to have a blast over there. There were many foreign delegates who inspired the audience with their awesome lectures. One of such milestones was Mr. Marc Fonbaustier, Minister Counselor, French Embassy. He rejuvenated the moods of everyone with his soothing words and put forward the proposal to help India financially to promote Renewable Energy. Then, we had Dr. Maharaj Muthoo, President Roman Forum who was the God Father of everyone but...became my great pal later on. He threw light on the FAILURES of India and said “India is the poorest of the poor. It has no right to mitigate but to accept the way things are.” These words really shook me and I was waiting for my chance. Then, there were panel discussions where we had to come across Dr. Sarala Gopalan, Board Member, Schumacher Centre and Mr. B. K. Panda, MNRE, GOI who quoted “There are 923 million hungry people in the world and 75 million add up every year” and had shown graphs with India at the bottom. These things rose some kind of Divya in me and I said there was no need of the conference. Nothing will be set right until the poor and the starving could realize what is going around them. At last...they are the only losers, so why can't we arrange some awareness programs rather than discussing among ourselves for years and years. My words really went like arrows straight into everyone's hearts as well as minds. This changed the complete scenario of the seminar. Then, I received many suggestions and was praised for my job and the biggest achievement was I was offered to work with 'Mission Bio-fuels India Pvt. Ltd' by Mr. Ashish Swarup, CEO. I also got invitation from Dr. Muthoo as a panelist for the next seminar he would attend in Nov, 2009. They said “India needs aggressive youngsters like you!!”

Last but not the least, all ended up well and now I have contacts with great delegates who talk to me frequently and treat me as a delegate... So, lastly, I request all the NISTians to be what you are, be true to yourself and your country, create miracles and never forget the platform which gives you these wonderful opportunities i.e. our N.I.S.T!

Alumni Page

From Mailbox

From: *Ankan_Ghosh@infosys.com*

To: *akpanda62@hotmail.com*

Subject: *To an inspiring teacher..*

Date: *Fri, 16 Jan 2009 11:37:14 +0530*

Dear Sir,

Hope everything is fine in my beloved college. I am at present working in Infosys Technologies, Bhubaneswar. Life is good here. The fact that corporate culture demands so much of responsibility, can only be felt when on work. My four year stint at NIST coupled with the rigorous training at Infy-Mysore helped me immensely to appreciate the long hours of work.

Coming back to NIST, I was delighted to hear about my fellow Eurekaian- Aditi Gidra, making it to a trip to Capetown, S.A by the virtue of her talent. Such kind of exposure is pivotal to developing an attitude to compete amongst the very best in the business. I would also single out my immediate juniors for attention. The whole corporate world is reeling under an economic recession, which would be tough times ahead. But this should not be construed as a mishap by my juniors. Today's world is not a place for the weak hearted. They must explore other opportunities and learn to add value to their B. Tech. degree. They must try for M. Tech., M.S or M.B.A as, is usually the norm in other top-notch institutes like IITs and NITs. There is a shortage of jobs at the moment but there is a never-ending demand for skilled man-power. I am sure that they are a talented lot and the fact that they have faith in their abilities. I really hope that the victory flag of NIST soars high and proudly in the sky. Cheers to NIST, its teachers and my dear juniors.

Regards,

Ankan Ghosh

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