

### Message from the Director

The All India Council for Technical Education has recently come out with a Best Practices List followed by some colleges all over India. On comparing with the list, I am happy to say that NIST scores over 80% marks in having introduced its own practices for good governance. A few examples will suffice: Faculty-Student Counsellor System, Anti Ragging Squads, Complaint Registers, Complaint Drop Box, Faculty Feedback by Students, Faculty and Staff Appraisal System, emphasis on Communicative English, Pre-Placement Training, Showing Answer scripts to students, High degree of Automation within the Institute to promote transparency of work, Disciplinary Committee, Newspapers in Bus, etc. Those interested to know further details about best practices are welcome to log on to the AICTE website at [www.aicte.ernet.in](http://www.aicte.ernet.in). I am very keen to get feedback from students, staff and faculty as to what are the new practices we should adopt to make our administration more responsive, transparent and efficient. This should be in line with our goal of striving for 100% stakeholders satisfaction – in our case, students, staff, faculty, parents, statutory bodies and society at large. Every institute has its own claim to fame – my personal favorite is that we have a family which has 4 graduates all from NIST. Talking about repeat business?



The cash-for-question brouhaha has brought shame to our country and its highest institution – the Parliament. Once again it exposes the hypocrisy in our political system and the cynicism that nothing will happen to them. But that is not the big issue. The big issue is the guts and courage of Anirudha Bahal and his colleagues who displayed the highest ethics of journalism in the process of trapping the big bears. *Tehelka* had made them infamous; Operation Duryodhan has made them immortal. Kudos to the brave men and women of India.

December 15, 2005

Sangram Mudali

### Message from the Editor

In one of the most memorable public speeches on leadership, former General Electric CEO Jack Welch, made a comment: “It’s something I believe and try to practice every day. Leadership is not about you. It’s about the people who work for you. The day you become a leader, it become about them. Your job is to walk around with a can of water in one hand and a can of fertilizer in the other hand. Think of your team as seeds and try to build a garden. It’s about building these people. Only you will know the team”. When I think of the core team which built NIST, I think about these lines of Jack Welch – how very true. Every year we have excellent people joining us as faculty, staff and students. The institute management provides the academic ambience so these buds can blossom and flourish. Many visitors are puzzled at our unique administrative structure: BCs, CCs, Dean, DD, and D. The system works excellently and effectively. Here is a tribute to all who joined in 1996 and who setup the benchmarks for all of us to follow.

I would like to convey my heartiest wishes on the eve of **Christmas** and the **New Year 2006**. I hope the year 2006 will bring lots of success and enjoyment to all NISTians.

December 15, 2005

Partha S Mallick

([niste\\_news@yahoo.com](mailto:niste_news@yahoo.com); [psmallick@yahoo.com](mailto:psmallick@yahoo.com))

### Our Student Representatives

Preeta Mohanty, Rohan Gupta, Arun Reddy, Rakesh Parida,  
Smruti Sagarika and Amit Kumar Dash

## Letters to the Editor

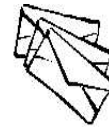
*A letter from Canada...*

**Date:** Tue, 6 Dec 2005 13:06:12 -0800 (PST)

**From:** ☺ "abhro mukherjee" <abhro456@yahoo.com

**Subject:** Abhro here

**To:** psmallick@yahoo.com



**Dear Respected Sir,** I hope you are in the best of health and mood. I arrived in Canada around 15 days before and presently I am staying in an apartment before I will be moving to the University accommodation. Well if I compare my experience at Europe with Canada I think there are a lots of difference. Montreal is extremely cold and it is almost always covered with snow with temperature falling down to -10 to -15 degrees at night. France has definitely attracted me more for its warmer weather, high culture and more relaxed people than this side of the world. Here at Canada the life is more mechanical and people are working all day and night to earn dollars. The food here is quite cheap unlike Europe. Can you imagine me cooking? Presently I am pursuing my French course and it is extremely hard for me to comprehend the French Grammar. Next time I will write you in French so be prepared with a dictionary. I miss you a lot and of course the entire NIST community and specially the food court (FRIDAY CHICKEN). How is Suresh Sir, Suash Deb sir, Shantunu Sir, Kiran Sir and all the others whom I miss quite a lot. I consider you always my GURU and I think that you were right, when you always said that one can be more happy in India. I can realize it now when I feel like a second class citizen here. Please do let me know about new advancements of NIST as I truly miss you all a lot. With warm personal regards.  
**Abhro(NIST Faculty on leave at University of Montreal, Canada).**

**Date:** Sat, 26 Nov 2005 05:21:30 -0800 (PST) **From:** <mahesh\_losung@yahoo.com

**Subject:** irregularities in uploading of nist e\_news to server **To:** psmallick@yahoo.com

**Dear Sir,** I introduce myself as Mahesh Sahoo, a 2003 batch student (Electrical and Electronics). This is my first mail to you and I take this opportunity to thank all my esteemed faculties, college staff and NIST family members for their invaluable contribution in shaping my career. Currently I am working in BALCO, a Sterlite group industry as Asst. Manager. I am a very passionate reader of NISTe\_News as it is the only mean to keep in touch with the institution which moulded our careers. But it is very upsetting to note that NISTe\_News is not regularly and timely uploaded into the server. This month's (Nov) issue is not at all downloadable from net. Please take some immediate action. One more regret I am having is the e-mail ids of 2003 batch (pass out) is not yet uploaded to NIST website. Can you please draw attention of the concerned person in this regard? Once again thanks to NIST for everything it has given to me and I would like to "The strive to excellence" should continue in NIST in every aspect of life. With best regards, **Mahesh Sahoo.**

**Ed:** Thanks for your valuable suggestions and the same shall be done ASAP.

**Subject:** Few suggestions & Request for subscription of NIST e-news

**Date:** Thu, 8 Dec 2005 17:51:59 +0530

**From:** Santosh.Kumar2@in.bosch.com

**To:** psmallick@yahoo.com

**Hello Sir,** I'm Santosh Kumar Panda, alumni of 2004 batch. Today I got a softcopy of NISTe-news from one of my friend and was overwhelmed by the feelings of seeing my college growing leap & bound. The recent VLSI workshop was indeed a huge step in terms of building a knowledge transfer platform between industries and institutes. Having keynote speakers like Dr M Chandrasekhar Dr. C P Ravikumar in campus will definitely boost up the morale of students & give them a vision to think beyond 9 to 5 jobs and do something R&D works. Also in terms of academic performance I can feel the presence of NIST...

Orissa's educational map. All the best to my juniors who are excelling in studies. Since the time for BE projects is approaching I would like to point out one thing. What I can tell you from my own experience as well as from my friends, is in every field high scores never count. Though it is important to have a decent score but after one threshold everyone is judged on their practical knowledge. Hence the BE project plays a vital part. I request you to encourage students from electronics discipline to take up challenging projects from their domain. This would definitely help them in the long run. I think it has been a long discourse and I should not suggest more points. Sir, if I'm not wrong then NIST e-news doesn't have a subscription facility available. If its available & I'm not aware of this then I'm sorry. And if it is not available then how about starting such a facility. If the facility is available, then please mark a copy of NISTe-News every month to my email ID santu71182@yahoo.co.in. Thanking all of you for all the initiatives & efforts put by you people to enable us to stand distinguished today. With warm regards, **Santosh Kumar Panda, Phone: +91-80-57571082 Fax: +91-80-57571404, Robert Bosch India Limited, 123, Industrial Layout, Hosur Road, Koramangala, Bangalore 560 095, India.**

**Ed:** NIST E-news will soon be starting a subscription facility. NTCS will get cracking on it.

## Bioinformatics at NIST

### Inauguration of Bio-Informatics Club

The *NIST Bioinformatics Club* was informally launched through its 1<sup>st</sup> function held at the Room No 306 of the Lecture Hall Complex on October 3, 2005. Dr. Ravi P. Reddy, Deputy Director of NIST & Dr. Arun K. Padhy - Course Coordinator (B.Tech) delivered two introductory lectures. Prof. Sangram Mudali, Director, NIST graced the occasion and gave the inaugural lecture outlining his vision and the importance of the topic Bioinformatics in present day scenario. Around 50 students of the club attended the occasion. Our Placement Director - Mrs. Geetika Mudali, Dean Dr. Ajit K. Panda and the M.Tech. Course Coordinator Dr. Partha S. Mallick were also present. The entire programme was coordinated by **Prof. Suash Deb** - Co-ordinator of Bioinformatics Research Group of NIST.

### NIST faculty attended Bio-informatics Workshop

**Prof(Dr) Ravi P Reddy, Dr. Arun K. Padhy, Prof. Suash Deb, , Mr. Shom P. Das and Mr. Indraneel Mukhopahyaya** attended Workshop on *Bioinformatics* at Silicon Institute of Technology, Bhubaneswar on December 9-11, 2005.

### Workshop on Bio-informatics

NIST is Organizing a One-Day Workshop on Bioinformatics on January 7, 2005 to mark the Formal Launching of the NIST Bioinformatics Club and Research.

Prof. S.K. Mukherjee, Hon'ble Vice Chancellor of the Birla Institute of Technology, Mesra, Ranchi will grace the occasion as the Chief Guest and deliver the inaugural lecture. He will also formally inaugurate the NIST Bioinformatics club. Apart from him Dr. Pabitra Mitra, Faculty of Dept. of Computer Sc. and Engineering of the Indian Institute of Technology, Kharagpur & Dr. Balaji Prakash, Faculty of Dept. of Biological Science and Bioengineering of the Indian Inst. of Technology, Kanpur will deliver lectures on different aspects of Bioinformatics. Dr. Surendra Mohapatra of Regis University will also deliver a talk on the occasion. For Registration, please contact **Prof. Suash Deb**, Computer Science & Engg.

### Invited talk by BI Club Coordinator

The *Second International Conference on Technology, Knowledge & Society* was held in Hyderabad during December 12-15, 2005. The event was organized by the Australian National University, Canberra, Australia. On an invitation from the Chairman, Organizing Committee, Dr. Bill Cope, to Chair a Couple of Technical Sessions, **Prof. Suash Deb**, Faculty Dept. of Computer Science & Engg. attended the event. He also presented a paper entitled *Software As A Power To The Knowledge Economy: An Indian Perspective*. The next International. event will be held at the McGill University, Montreal, Canada next year.

## News Corner

### R & D – NISTians are winning

NIST has notched another first to its credit. Its Research and Development (R&D) coordinator, **Dr Amelendu Patnaik**, has been presented with the ‘URSI Young Scientist’ award for his work in the field of Wireless Communication. Among the 134 winners of the award throughout the world, only 24 were Indians of which Dr Patnaik was the only distinguished scientist from Orissa. The award was conferred on Dr Patnaik at the URSI Conference held at *Vigyan Bhavan*, New Delhi on October 23, 2005. The Conference was



attended by over 1200 delegates all over the world and was inaugurated by President Dr. A.P.J. Abdul Kalam. The vision of NIST as a National Research Center in the field of both Science and Technology with state-of-the-art projects was conceived by its Director Prof Sangram Mudali who did his B.Tech from IIT, Kanpur and MS from the University of Houston, USA in the field of CAD/CAM. Under his guidance NIST has achieved a premier status in the field of Research and Development. Till now

four of its faculty members have received BOYCAST fellowship of the Union Department of Science and Technology, two have received Full Bright Fellowship of the US government, two have been awarded ‘Orissa Young Scientists’, two have received IETE and J.C Bose Memorial awards while two others have been presented with the ‘URSI Young Scientist’ award. More than 20 post-doctoral fellowships have been awarded to NIST faculty in UK, USA, Taiwan, Malaysia, Canada, and other top Indian universities. The faculty members of NIST have published more than 250 papers, referrals, journals and more than 12 books. NIST is proud of having 100 IEEE (USA) student members at present and 1254 ISTE (India) student members (the Best ISTE chapter of the State) in the institute. In the photograph, Dr Amalendu Patnaik(right) and Mr Rowdra Ghatak(ex-Faculty of NIST) with Dr R A Mashelkar(middle), Director General, CSIR, India.

### NIST Technology Incubator at IIT, Kharagpur

Our Institute has opened a Technology Business Incubator (TBI) within the premises of STEP at IIT, Kharagpur. A potential entrepreneur will be provided with appropriate facilities vis-à-vis his/her requirements. IIT, Kharagpur, will provide access to its library, laboratories and faculty members who will provide all necessary expertise. The Incubator has all necessary office infrastructure fully furnished with computers, meeting rooms, conference rooms, along with a high speed bandwidth Internet connection. A two bedroom fully furnished guest house at Kharagpur is also available for NIST student entrepreneurs. Final year students of NIST who are excited with some new ideas and would like to strike out on their own are most likely candidates to get a place in the incubator. The Institute is committed to providing all help to the “Technopreneur” in this venture. Venture Capital funding is also a possibility depending on the quality of the idea and possible commercial returns. A number of incubatee companies are already operating at STEP, IIT, Kharagpur, but this is the first time that an educational institution has established its own center at IIT. At present, our center is involved in development and marketing of the NIST ERP package to colleges of West Bengal and Orissa. Students who are interested in setting up their office in NIST technology incubator may contact **Dr. Partha S Mallick** in this regard.



## Unique Placement for NIST students

CV Raman college of Engineering, Bhubaneswar, came to NIST last month to recruit **NIST M.Tech students** and declared their offer to pay in advance for reserving the students. They have already recruited 3 of the M.Tech students of 2004 batch, **Ms. Rasmita Mohapatra, Mr Surya Narayan Panigrahi** and **Mr. Arijit Banerjee**. The students will be paid stipend from January 2006 and will be joining in July, 2006. This is the result of our previous students who are doing well in other institutes and industries.

## Saturday Seminar Series

Our Computer Science and IT faculty members are continuing their Saturday Seminars in full swing. This will help to improve technical skill of all faculty members, students and staff.

Speaker	Topic
Minati Subudhi	Sorting & Searching
Priyadarsi Sadangi	Cryptography
Sanghamitra Patri	Mustach
Chandan K Behera	Artificial Intelligence
Sabyasach Sadangi	Robotics
Dr. Arun Padhy	Molecular Electronics

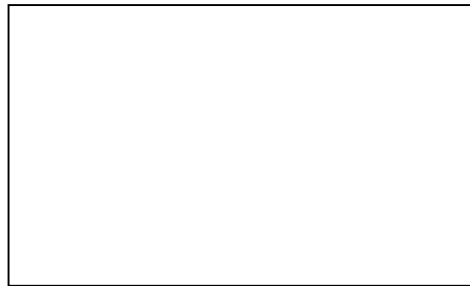
## CCNA Certification–NISTians success

NISTians have shown their talent again in CCNA Certification Examination. The following students cleared it with an excellent score. They have also proved their excellence during *Cisco Local Academy Curriculum Program* for which all of them have received a 70% discount voucher from Cisco. The students are **Arnab Chakraborty, Chandan Swarup Patra, Sanjeev Mishra, Amiya Ranjan Sahoo(100%), Samir Kumar Tarai, Anil Kumar Mohanty, Srikumar Sahoo**. NIST's CCNA group is being coordinated by **Mr. Dutikrushna Panda** and **Mr Pradeep K Jena**, Faculty, Comp. Sc. & Engg.

## Robotics Workshop at Belaguntha

NIST Robotics Club participated in a one day Workshop named *Circle Level Science Exhibition* held at Belaguntha, Ganjam on December 2, 2005. The workshop was organized by the Inspector of Schools, Ganjam Circle, Govt. of Orissa where 129 schools of Ganjam and Gajapati district participated with their individual projects. The workshop was inaugurated by the Honourable Minister of Mass Education Mr Nagendra Pradhan. NIST faculty Mr Aresh K Tripathy coordinated the NIST

Robotics show along with Ms Namita Sethy and



Ms Sujata Maharana. The student team members are Rakesh Kumar Panigrahi (Final Year), Siva Kumar Behera (Final Year), Sonu Agarwal (1st Year), T Sravan Balaji (1<sup>st</sup> Yr), Jagadish (1<sup>st</sup> Yr).



## Workshop/Conference attended

**Mr Siddhartha Bhusan Neelamani** and **Miss Sumitra Ojha**, Faculty of Computer Science and Engineering attended a Workshop on *Mobile Technology* at the Centre for Mobile Computing and Communication, Jadavpur University, Kolkata on November 28-30, 05.

**Mr G V Kiran Kumar** and **Mr Dinesh Meshram**, faculty of ECE, attended IEEE Conference, *Calcon-05* organized by IEEE Calcutta Section, Kolkata.

## Cricket match – Hostel 7 vs. Hostel 6

A cricket match was held on November 20, 2005 between Hostel-7 & Hostel-6. Hostel 7 won the match by 5 runs. Hostel-6 Captain Kaushik Pandey won the toss and chose to field. Then opponent Captain Mr Chitaranjan Sathpathy scored 59 and made the total score to 169 for the team. On the other hand, Hostel-6, 164 all out. The umpires Mr Naresh Choudhury & Mr. Santanu Jena did an excellent job. The match was organized by Mr Sameer Behera of Hostel 7.

## Wedding Knot .....

NIST faculty **Mr Debashish Jena** tied the wedding knot with Ms. Bandita, of Maluda, Puri on December 3, 2005. NIST Staff and Faculty



members attended the marriage function. We wish them both a happy married life.

**Correction!!***(of the previous issue)***Toppers in 5<sup>th</sup> Semester, BE (2002-06 batch)**

The 2<sup>nd</sup> and 3<sup>rd</sup> position will be for **Alok Kumar Prusty** and **B Madhulakshmi** of EIE, 7<sup>th</sup> Semester who obtained 577 and 571 marks (out of 700) respectively.

**Future Technology****Radio waves can harm you**

The British health protection agency has notified that radiation from TV sets, mobile phones, microwave ovens, computers and hair dryers could be causing fatigue depression, joint pain and headache to users. This announcement comes after years of radiation. Radio waves are known to break DNA and damage tissues. Ways to reduce the risk include letting the earpiece wire touch your body so that the waves are absorbed along torso and not concentrated ear, calling the person on the cellophane back through landline, and avoiding use of pocket to carry the phone.

**Materials that respond to environment**

Scientists are exploring how the response by a material to the environment can be integrated with electronics to make controlled changes. Their research is focused on various materials that can solve problems in medical, aerospace and a host of other applications. The smart materials being studied fall into three classes: piezoelectric, magnetostrictive and shape memory alloys {SMAs}. All these undergo a reversible change in properties in response to an external stimulus. Piezoelectric materials transform electrical energy into mechanical energy when subjected to an electric field. Magnetostrictive materials, trigger is a magnetic field, which converts magnetic energy into mechanical energy. And SMAs switch phases when exposed to heat. Among the approaches employed to gain the insight into the basic phenomena responsible for the properties of these materials is modeling. Modeling reveals the internal stress states between the domains as well. Piezoelectric motors are part of the research effort at Pennsylvania State University, which largely revolves around ferroelectric materials.

**2005 Noble prize in Physics**

John L. Hall and Roy J. Glauber of USA and Theodore W. Haensch of Germany have won the 2005 Nobel Prize in physics. The prize has been awarded as recognition for their work in applying modern quantum physics to optics resulting in the improvement of lasers, global positioning system {GPS} and other instruments. Glauber had discovered the behaviors of light particles while Hall and Haensch had developed a laser technique for precise measurements of time and distance.

*(Source: Electronics for You, November 2005)*

*Do you wish to be praised? praise another – John Chrysostom*

*Ignorance is not innocence, but sin – Robert Browning*

### Career Corner

**Knowledge Teasers**
**Kushal Bhut & Manmit Singh, Alumni 1999 batch**

1. The brainchild of three Scotsmen, it was issued in 100 parts, acquired by Sears, Roebuck in the early 1900s, then by William Benton and now by a businessman called Jacob Safra? Which famous institution are we talking about?
2. Precision Optical Instruments Laboratory was founded in 1933 in Ruppongi, Minato-ku, Tokyo, and adopted a new name in 1947. What name did the Company adopted?
3. From which mountain did Hanuman take off when he leapt to Lanka?
4. In which country is The Ramayana known as 'The Ramakien'?
5. Whose image will you find on the flag of Arjuna?
6. If Shiva stays at Kailash, where does Varuna stay?
7. Which celestial jewel is worn by Vishnu on his chest?
8. From which organ do the veins not carry blood to the heart?
9. In astronomy, which two constellations are named after the bear?
10. What is scotopic vision?

**Answers.** 1. The Encyclopedia Britannica 2. Canon Camera Co Inc, 3. Mount Mahendra 4. Indonesia, 5.Hanuman 6. Pushpagiri - at the bottom of the Ocean 7. Kausthubamani 8. Lungs 9.Ursa Major & Ursa Minor 10. Night Vision

**MBT Questions with Answers**
**Priyadarshini Panda, Alumni, 2001-2005**

1. A cylinder is 6 cms in diameter and 6 cms in height. If spheres of the same size are made from the material obtained, what is the diameter of each sphere?  
(a) 5 cm (b) 2 cm (c) 3cms (d) 4 cm
2. The difference b/w the compound interest payable half yearly and the simple interest on a certain sum lent out at 10% p.a. for 1 year is Rs. 25. What is the sum?  
(a) Rs.15000 (b) Rs.12000 (c) Rs.10000 (d) none of these
3. What is the smallest number by which 2880 must be divided in order to make it into a perfect square? (a) 3 (b) 4 (c) 5 (d) 6
4. A father is 30 years older than his son however he will be only thrice as old as the son after 5 yearswhat is father's present age?  
(a) 40 yrs (b) 30 yrs (c) 50 yrs (d) none of these
5. If an item costs Rs.3 in '99 and Rs.203 in '00.What is the % increase in price?(a) 200/3 % (b) 200/6 % (c) 100% (d) none of these

**Fill the missing number or letter in the given series**

6. a, c, e, g, \_ (a)h (b)i (c)d (d)j
7. a, e, i, m, q, u, \_ (a) y,c(b) b,f(c) g,i(d) none
8. ay , bz , cw , dx ,\_\_ (a) gu(b) ev(c) fv(d) eu

**Answer: 1.C 2.C 3.C 4.A 5.A 6. B 7. A 8. D**

*Reject everything that weakens you as poison – Vivekananda*

*A true man hates no one – Napoleon*



**The TOP 100 companies in India**

Suman Rani Acharya, CSE Lab

*(for Rank 1 -10, please see the previous issue)***Rank 11****SAMSUNG INDIA ELECTRONICS LTD**

Revenue : Rs 49,000mn President &amp; CEO: S.H.OH

WebSite : [www.samsung.com/india](http://www.samsung.com/india)Corp. Office : 7<sup>th</sup> & 8<sup>th</sup> Floors, IDCI Tower 61, Nehru Place, New Delhi 110019

Fax : 011-51608820 Phone – 011 51511234.

**Rank 12****HUTCHISON ESSAR LTD**

Revenue : Rs 43,650 mn, Director : Ravi Ruia

WebSite : [www.hutch.co.in](http://www.hutch.co.in)

Head. Office : Hutch House, Peninsula Corporate Park, Ganapatrao Kadam Marg, Lower Parel, Mumbai 400013, Fax: 022-56661200,

**Rank 13****IBM GLOBAL SERVICE INDIA PVT LTD**

Revenue : Rs 42,190 mn MD : Shanker Annaswamy

WebSite : [www.ibm.com/in](http://www.ibm.com/in)

Address : DLF Silokhera, National Highway-8, sector 30, Gurgaon 122001

Fax : 0124-2836695, Phone - 0124 2836567

**Rank 14****VIDESH SANCHAR NIGAM LTD (VSNL)**

Revenue : Rs 34,104 mn Chairman : Subodh Bhargava

WebSite : [www.vsnl.in](http://www.vsnl.in)

Regd. Office : Videsh Sanchar Bhavan, M.G. Road, Fort, Mumbai 400001,

Phone: 022-56578765.

**Rank 15****HCL TECHNOLOGIES LTD**

Revenue : Rs 33,230 mn, Chairman &amp; CEO : Shiv Nadar

WebSite : [www.hcltech.com](http://www.hcltech.com), Head Off: A-10/11, Sector 3, Noida 201301

Fax : 0120-2526907 Phone: 0120 2546043

**Rank 16****BHARAT ELECTRONICS LTD (BEL)**

Revenue : Rs 32,120 mn CMD : Y. Gopala Rao

WebSite : [www.bel-india.com](http://www.bel-india.com)

Head. Office : Outer Ring Road, Nagavara, Bangalore 560045

Fax : 080-25039305, Phone : 080-25039300

**Rank 17****COGNIZANT TECHNOLOGY SOLUTIONS**

Revenue : Rs 29,060 mn President &amp; CEO : Lakshmi Narayan

WebSite : [www.cognizant.com](http://www.cognizant.com)

Regd. Office : Karunai Kudil, 226, Cathedral Road, Chennai 600086

Fax : 044-28112622, 28112507, Phone 044 28113063, 28116033

**Rank 18**
**PHILIPS ELECTRONICS INDIA LTD**

Revenue : Rs 23,600 mn Vice Chairman &amp; MD : K. Rama Chandran

 WebSite : [www.india.philips.com](http://www.india.philips.com)

Corp. Office : Technopolis Knowledge Park, Nelco Complex, Mahakali Cave Road, Chakala, Andheri(East), Mumbai 400093, Fax : 022-28264907, Phone: 022-56912000

**Rank 19**
**SIEMENS LTD**

Revenue : Rs 17,900 mn, M.D: Juergen Schubert

 WebSite : [www.seimens.co.in](http://www.seimens.co.in)

Head. Office : 130, Pandurang Budhkar Road, Worli, Mumbai 400018

Fax : 022-24987500 Phone: 022 249 87000.

**Rank 20**
**WIPRO INFOTECH**

Revenue : Rs 17,396 mn President : Suresh Vaswani

 WebSite : [www.wipro.co.in](http://www.wipro.co.in)

Head. Office : Wipro Infotech, Doddakhannelli, Sarjapur Road , Bangalore, 560035

Fax : 080-28440214, Phone – 080-25056499

**Student's Corner**
**Punch lines collected by Sameer kumar Tarai, Final Year**

INFOSYS	: Powered by Intellect Driven by Values
TATA CONSULTANCY SERVICES (TCS)	: Beyond the Obvious
SATYAM	: What Business Demands
WIPRO TECHNOLOGIES	: Applying Thought
CARITOR	: Vision Value
BIRLASOFT	: Software Solutions Consulting
SYNTEL	: Consider it Done
ITC INFOTECH	: Business Friendly Solutions
IBM	: On Demand Business
ACCENTURE	: High Performance. Delivered
POLARIS	: Power of Precision
HEXAWARE	: Leadership through Focus
I-FLEX	: Empowering Financial Inst. Globally
MBT	: Better Thinking Better Results
LARSON & TOUBRO INFOTECH (L&T)	: Building Relationships Globally
GE	: Imagination at Work
MOTOROLLA	: Intelligence Everywhere
SIEMENS	: Global Network of Innovation
GE	: Imagination at Work
COGNIZANT TECH. SOLUTIONS (CTS)	: Come Celebrate Work
HUGHES	: Signs of Advanced Life

***The next issue will be published on January 15, 2006.  
Send your message on or before January 10, 2006 to  
[niste\\_News@yahoo.com](mailto:niste_News@yahoo.com).***



**English is a Crazy Language**  
**by Richard Lederer**

*(A poem collected and sent by ex-English Faculty Mr Anjan Dasgupta for NIST students)*

Let's face it: English is a crazy language.  
 There is no egg in eggplant, nor ham in hamburger  
 neither apple nor pine in pineapple.  
 and while no one knows what is in a hotdog,  
 you can be pretty sure it isn't canine.

English muffins were not invented in England  
 nor French fries in France.  
 Sweetmeats are candies, while sweetbreads,  
 which aren't sweet, are meat.

We take English for granted.  
 But if we explore its paradoxes,  
 we find that quicks and can work slowly,  
 boxing rings are square,

and a guinea pig is neither from Guinea nor  
 is it a pig.

And why is it that writers write,  
 but fingers don't fing, grocers don't groce,  
 and hammers don't ham?

If the plural of tooth is teeth,  
 why isn't the plural of booth, beeth?  
 One goose, 2 geese. So, one moose, 2 meese?  
 Is cheese the plural of choose?  
 One mouse, 2 mice.  
 One louse, 2 lice.  
 One house, 2 hice?

If teachers taught, why didn't preachers praught?  
 If a vegetarian eats vegetables,  
 what does a humanitarian eat?

Why do people recite at a play, and play at a  
 recital?

Ship by truck or car and send cargo by ship?  
 Have noses that run and feet that smell?



**KALEIDOSCOPE Rakesh Parida, 6<sup>th</sup> Semester**

*In this world, I would rather live two days like a tiger,  
 Than two hundred years like a sheep*

Tipu Sultan (Alexander Beatson's 'A view of the Origin and Conduct of the war  
 with Tipu Sultan)

Ding! Mr. Ganguly here's your morning wake up call and guess what, it is  
 pleasant. If some of the readers mistook the last month's drama unfolding in the

Park on driveways and drive on parkways?

When a house burns up, it burns down.  
 You fill in a form by filling it out  
 and an alarm clock goes off by going on.  
 You get in and out of a car,  
 yet you get on and off a bus.

When the stars are out, they are visible,  
 but when the lights are out, they are  
 invisible.

And why, when I wind up my watch, I start it,  
 but when I wind up this essay, I end it?

English is a silly language ...  
 it doesn't know if it is coming or going !!

**Two minutes For God Bidyute Prava  
 Satapathy, Fiber-Optics Lab**

Why Should I get lonely?  
 And thinking of your helps  
 O'God, why I get hurt  
 Even more as I am behind you.

I cherish so very much  
 Always try to be close in spirit,  
 Even when you are  
 So far away from me.

When I am thinking of your spirit  
 You are Endless

When I am praying of your name  
 You are nameless.

And when I am looking at you  
 You are invisible

Knowing your home place  
 I am so unable

But when you are ahead of one  
 It brings all the delight, pleasure and happiness,  
 Peace Gratitude and above all  
 The life blossom to the peaks of  
 Perfection and height of Success.

Indian cricketing fraternity as *Mahabharata Revisited*, I wouldn't blame them. Perhaps, the axe wielding Dalmiya and his comrade Ganguly had taken a step too many to save their overstated echelons. Now with Pawar at the helm and the Chappell- Dravid duo ensuring the Indian team's successes, I believe that cricket's future in India seems to be secure. (At least till we encounter any other drama!) However the partisan Kolkata crowd doesn't seem to be agreeing with me with their unruly behavior of late. I can't help but wonder at their knowledge of the game, where hero eulogism (blind faith if you ask me!) takes prominence over greater interests of the team. But, share a thought for Mr. Ganguly. Imagine him facing the Mumbai crowd now! However, with an influx of fresh faces, the fortunes of the team certainly look buoyant. Dhoni with his raw power and the rest the pack with their finesse look promising and suddenly the World Cup is no more a mirage!

If the fortunes were changing on the cricket field, how can the political bigwigs stay mute? Laloo and Rabri finally bite dust with Nitish Kumar doing a *Coup de Grace* in the recently concluded Bihar polls. Having said that, it remains to be seen whether the tenure of the government was worth the elections and all that jazz. Looks like the NDA is trying to make a statement however with the BJP in doldrums, it looks all the shakier. Strange to see one Sanyasin, calling herself the whole of BJP hold the parent organization to ransom! In view of Ms. Uma Bharti's recent exploits even the Gujarat rioters would be put to shame. Disorganization has always been a folly for the BJP and I can't help but notice that it certainly looks ominous enough to see them gone for good. It isn't like the Congress is having a jolly good time of its own! With the recently publicized KGB archives it seems that Indira Gandhi would have been one of the most successful Soviet spies. (Gee, I always thought that the Congs were hands in gloves with the Commies!) Moreover if the political scenario of the country wasn't messed up enough, the United Nations armed with Mr. Volcker and his committee's report ensured that Natwar Singh lost his foreign ministerial credentials. I was actually surprised to see that Natwar was doing business with the bloodsucker Saddam and what more he messed up the UN's food for oil programme too. (Despotism, I am said, can't be quantified) The prime Minister has promptly assured us that the matter would undergo a stringent state inquiry. However looking into the chronicles of investigating agencies, I sincerely believe that Natwar who's already looking heavenwards, may just have the last fiendish laugh. (Though we may just nab his Goblin of a son!) With more such findings in the pipeline, Watergate has finally arrived for the Congress, I suppose.

However, I am proud to congratulate the CBI in cracking at least a single case! The drama that saw Abu Salem and his mistress or wife and whatever being dragged back to India reminded me of the Ram Gopal Verma movies. (Only this time the police actually triumphed at the end!) I thought Ms. Bedi has had a better acting stint in dealing with the authorities than in many of her incessant B- grade failures. What's more she's single again! (Yeah, she was a *Bharatiya Nari* doing the *Saat Phere* all right!) Talking of 15 seconds of fame, when was the last time that reality television hogged so much lime light on our tubes? Indian Idol, Super Singer, *Gurukul*, *Crorepati* (Now, they have two of them!) and god knows whatever, that has just popped up are a shock to say the least. Believe me, we were better off with *Balaji's* unremitting *Saas-Bahu* sagas! The young aspirants who throng these competitions with the dreams of being the next glam idol are often disappointed. Let's say half of these shows are rip offs from their American counterparts. Sometimes in the pursuit of new advertising gimmicks they are just putting new wine in old bottles. The only one *Crorepati* on the KBC show was I guess Mr. Bachhan himself! (Who was actually playing a life and death reality show at Lilavati Hospital; Ironical, isn't it?) The winners are most often than not found singing myriad praises of their own stature than performing their actual trade. (Ding! Abhijeet Sawant and Kazi on Sony!) Anyways creativity seems to be having a lingering death I guess.

Kaleidoscope has evolved over the past few issues and to help it further we require constructive assistance from the readers. Hence, all such responses can be mailed to the NIST E-News mail section([niste\\_news@yahoo.com](mailto:niste_news@yahoo.com)) or [rakesh1919@hotmail.com](mailto:rakesh1919@hotmail.com) (Please include the subject line as KALEIDOSCOPE) Lets hope that this would be an symbiotic effort to revive the pleasurable experience of reading.

**Disclaimer:** *The ideas and opinions aired above are the sole views of the author and in no way reflect that of the organizations associated with the author.*



**Alumni Page****Wedding bell of Alumni...**

**Aasish Behera** of 1997 batch, presently working at IBM Watson Research Centre, NY, USA, 10532 got married to Ms. Rachana on December 9, 2005 at Pune.

**From: "Biswasroy, Samika" <samika.biswasroy@citigroup.com**

**To: "smudali@hotmail.com" <smudali@hotmail.com**

**Subject: Thank You NIST - As i move on.....**



**From  
Mailbox**

**Dear Sir,** Hope you are fine. Not sure if you still remember me for after passing out in 2001, I have not been in touch. Would like to apologize for that. The last 4 years were spent in pursuing a higher degree and work subsequently. Gradually, I realized what I learnt at NIST, and would like to thank all of you for the competitive spirit that was instilled in us. Being the second batch, we were expected to set standards and at the same time we were made to believe that we were at par with the best institutes in the country. I guess this helped me a lot to hold my own during my MBA and then at workplace. After NIST, I pursued a management degree (Finance & Mktg) in Pune and subsequent joined *Citigroup* as part of eServe Intl. In the last 18 months I have handled very unstructured profiles like Business continuity planning, Knowledge management, Compliance, Crisis management etc. Again would like to highlight that working comfortably in an uncertain environment is also something I learnt at NIST. (For the first 2 Yrs at NIST, we would not know where our next class would be held - the whole infrastructure was being built. Probably this helped me secure my first promotion which was an "out of term promotion" - which I got 7 months before the minimum period required. Currently I am moving into the Citibank CIB (Corporate & Investment Banking) domain in Asia Pacific where my role would expose me to the Operations & Technology side - as part of the Leadership development program in Citigroup. As I now move on newer challenges, roles and places - I am confident that the grooming I had at NIST (though I disliked it when I was a part of it and realized its importance much later) will help me tide over things. I would also like to sincerely thank the faculty and the institute for all I have learnt as part of it - whose importance I increasingly realize years after graduation. (Though I might not communicate it very often, I treasure all that I have learnt here.) Thanking You. Regards, **Samika Biswasroy EEE(Roll no.141) 1997 – 2001 batch.**

**From: "Saroj" <sarojksatapathy@tataelxsi.co.in> To: <sarojksatapathy@tataelxsi.co.in>**

**To: "'Sangram Mudali'" <smudali@hotmail.com> Subject: RE: Date: Thu, 17 Nov 2005**

**Respected Sir,** Let me share some of my thoughts about our college. In fact, it played a major role for my reaching this stage. It is the vision shared by our Dean, Ajit Panda sir. During our college days, he always inspired us to work on recent technology, to be updated with recent trends and unleash our creative thinking and ability in those areas. After our completion of VLSI summer training in the year, 2002, he told us to do some original work in VLSI area, learn the things and prove ourselves, not only academically. I remember, Abhro sir saying the same thing "We should not only pass our BE". I with my friends, presented papers in different domains and got some awards, too. It's been a good time to be guided and inspired by faculties in NIST. In fact, my managers today, look very impressed and surprised when I say that the paper which have been selected is a concept developed in our college and I have used the tools which I learned in my college days. I, as an Alumni of our college would always suggest that the tempo should be kept to inspire student in these areas. This is what makes us strong when facing the real time situation. When Ajit sir and Suresh sir had come to attend VDAT we were discussing the same thing. Even our 2005 pass out batch is also doing well here. It's yesterday that 3 NISTians who participated in L&T written test have qualified without anyone failing. I am also thankful to my senior Mr. Debasis Sahoo, who is working in this company and is a source of guidance to me. Thanking you again. regards, **Saroj Kumar Satapathy, Design & Development, Hardware & Systems, TATA ELXSI LIMITED, Whitefield Road, Bangalore, India - 560048**

**From:** "Debasis Sahoo" <debasissahoo@tataelxsi.co.in Date: Tue, 15 Nov 2005 12:06:48  
**To:** "Sangram Mudali" <smudali@hotmail.com, "Ravipreddy)" <ravipreddy@yahoo.com,  
 "Akpanda<akpanda62@hotmail.com Subject: Saroj Satapathy has published a paper

**Dear Sirs,** This is what NISTians and their mentors as well as surrounding people are proud of. Mr. Saroj Kumar Satapathy being a fresher pass out in 2004 done something great which people think after staying two years in *tataelxsi*. He has published a poster on "Basic Silicon IP Modules Redesigning at Transistor Level for Efficient ASIC/SOC Development" which is selected by IP/SOC Association, France. This is one of the hot areas, which is moving exponentially and driving the electronic industry. I think people should know our achievement so that it will be an inspiration for others. Just go to the following link <http://www.us.design-reuse.com/ipsoc2005/program/> and search for *Saroj*, this should be put on to the notice board in NIST, NCE, BBSR also into the brochure of NIST and placement department. Best regards, **Debasis Sahoo Senior Engineer Tata Elxsi Limited.**

**From:** <aurabinda.jena@accenture.com> **To:** Ravi P Reddy <ravipreddy@yahoo.com>  
**Subject:** A student of Nist-2005 batch **Date:** Tue, 15 Nov 2005 16:20:51 +0530

**Hello Sir,** I am Aurabinda Jena of Information Technology department, Roll-IT200117255 of 2005 batch pass out. It is a great pleasure and pride for me to write to my alma matter and my teachers. I am now working in Accenture, Mumbai. This is the first time I am writing to you sir. We have made lots of mistakes in our college career and I apologize for all that. It is a great pleasure to remember those C, C++ and Java classes taught by you and Anisur Sir. Actually I missed lot of lectures due to bunking the classes....sorry. Actually after getting into the company, I was thinking that we, the NIST family have grown up considerably and our Alumni are spread across the globe now. So isn't it the right time to start doing something to make the family come together and share more memories and experiences? I was thinking about a group called "NIST Alumni Association". We have already 6 batches and there are also MCA and M.Tech students passing out every year. The group will be monitored by the college itself and will also have a functioning body. Lot of my friends are hosting their own sites and are posting the photos and experiences. We should have some central database about our origin and we should help growing our alma mater. The objective of such an organisation, as I have thought will be as follows 1. To contribute in a good manner to the growth of NIST. 2. To contribute in the growth of educational experience in NIST. 3. To bring all the NIST family under one umbrella. 4. The Alumni members can give some membership fee so that it can be used for the infrastructure development (though may be small). It is my long dream to make a good and beautiful welcome gate at our college. The group can arrange yearly conferences so that the students can get the live experience and advices from their seniors. Also they can guide them in their project related issues. The meetings can be arranged at our campus or any suitable place in some vacation time so that many of the working guys can attend the same. Finally it will be a great experience for all of us that we are still in NIST family and that the family cares for us. Hope you already have similar ideas and will think about the matter. Thanking You, Yours Faithfully, **Aurabinda Jena, Aurabinda Jena**

**From:** <Suryakant\_Routray@infosys.com> **To:** <akpanda62@hotmail.com>  
**Subject:** suryakant,Infosys **Date:** Sat, 26 Nov 2005 17:55:02 +0530

**Dear Sir,** Hope you are good in health and spirit and actively pushing the NIST squad. I am fine here and it's a real corporate atmosphere over here. Lengthy classes, lots of assignments, submission deadline and the project work are the life here. But we find it bit easy to handle the pressure as we have learned it in our college. We had training program on corporate etiquettes, time management, customer handling etc. What about the campus and how are our students preparing for it. I know they would not be serious now. Sir, I talk to my friends in Bangalore who are still searching for job. Life is hell for them, not even able to sit in Walk-ins. Tell the students that it is the life's best opportunity to have a job while in the college, otherwise life is very difficult. Opportunity knocks the door once, they should learn to grab it. Tell them to behave professionally and look for their career seriously. For campus connect students it is better if they come here solving at least the assignments. I could suggest



that they should read the common C programs and Oracle before joining Infosys. How are Gouri sir and Sudhir sir. My regards to them. With Regards, **Suryakant Routray**

**From: "Samikhya Dash" <samidash@in.ibm.com> Date: Tue, 18 Oct 2005 16:11:40 +0530**

**To: Partha Mallick <psmallick@yahoo.com> Subject: Respected Sir**

**Respected Sir,** This is Samikhya here at IBM, Kolkata. I have been allotted a project related to Unix and perl with object Oriented Concept. The elective course "Internet Technology" taken in M.Tech 2<sup>nd</sup> Semester is becoming very helpful to me. The working environment in NIST has taught us how to work in the industry which is becoming very productive when I am now really in an Industry. The project in which I have been put up is involving many challenging roles. Our client is ProQuest which is an Information and Learning based company in US. One thing! please convey all my best wishes to all the NISTians associated with the Sankalp fest. I am very sorry for not being able to participate in it because of the work load. Such functions really make us feel proud of being a NISTian. Convey my regards to Mudali Sir, Reddy sir, Panda Sir, Padhi sir and others.. with warm regards.. **Samikhya.**

**Date: Fri, 11 Nov 2005 14:50:17 +0530**

**From: " <nishantrs@gmail.com>**

**To: Partha Mallick <psmallick@yahoo.com> Subject: Sir I got JOB...**

**Sir,** I am Nishith, Electronics & Instrumentation (2004 pass out). I have got job in US Technology, Chennai. It's a SEICMM Level 5 & PCICMM Level 5 Company. Now I am in Trivendrum for training. I'll join in Chennai in December last week. This is all due to you. Now I can not forget those words of you....Thank you sir. Amar from Computer science got through Infosys, Sudhir from Computer Science got through Logica CMG and Ved Prakash & Avijit Mohapatro got through Pinnacle Software. Bye, **Nishith, Mobile no – 09895678391.**

**Date: Thu, 8 Dec 2005 10:38:36 +0530**

**From: salini.patnaik@accenture.com**

**To: G V Kiran Kumar <gvkirkumar@indiatimes.com>**

**Subject: Hello Sir**

**Hello Sir,** This is Salini from 2001-2005 batch. Hope you haven't forgotten me. I'm in J2EE technology working for a banking project. I'm working for a UK based bank called Barclays. Immediately after training I got the project work life is quiet cool now-a-days. It took a lot of time to get acquainted with this place and the work environment as well. During Diwali holidays I had been to college but could meet only R.K.Das. Sir, I really miss all my teachers. How are Suresh Sir, Arun Padhy Sir, Amalendu Sir, Ghatak Sir, Partha Mallik Sir, Vivek Sharma Sir & Siddharth Sir. This list will be never ending if I continue writing. Expecting a few lines from you. Thanks and regards, **Salini Patnaik, Accenture-Global Delivery Network, India Delivery Centre, Mobile: +9120160496.**

## Research and Development

### Conference Paper

**Arup K Goswami,** "Generation Reliability evaluation using fast fourier transform method including planned maintenance" - Accepted for Publication in *the Proceedings of the International Conference on Resources Utilization & Intelligent Systems* to be held on Jan. 4-6, 06 at Erode, Tamilnadu, India.

## A Message

### *Arise, awake, stop not till the goal is reached- Vivekananda*

Lying 400kms from Berhampur in one of the best hospitals of India and fighting for his life. Whenever asked how he was there would be a single answer

***I am Bharat, I am invincible, and I am alright.***

With Sankalp-05 round the corner and Bharat being Bharat, was very busy handling jobs like in-house campaigning, renewals of 1600 odd NISTians and maintaining budget for the whole of the event. He was so self-dependent that he would rather walk all the way to the bank 2kms from NIST than taking anyone's help. "***I am a one man army***" he would say, handling numerous jobs to perfection. All his efforts for a single cause Sankalp-05 to be a grand success...

On 7<sup>th</sup> October the news drops in that Bharat had a severe heart attack and had been taken to MKCG hospital. Heart attack to a



With Close Friends

22yr old was hard to believe... worse was still to come. Bharat Bhusan Roy, younger son of G.C.Roy and Sangeetha Roy was born and brought up in the steel city of Rourkela. Bharat had done primary schooling at M.G.M. School and plus two from Deepika E. M. Rourkela. An extremely gifted dancer who bagged many gold medals was the highlight of numerous cultural events. Bharat had a dance group of his own which performed various stage shows at Rourkela. He was twice awarded the best break dancer of Orissa. Not only did he have a certain aptitude for dancing but he had a way of seeing beauty in others which they didn't realize. He helped many an aspiring dancers onto the stage. It's incredible but true that they were able to arrange an all India level Dance competition. (Lalat Shankar Nayak and Avinash Sarangi: Inter College Dance Competition- Sankalp -05)



**At Sankalp'05 Registration Desk**

A brown-belt in Martial Arts, Bharat's interests were as wide as the horizon from bikes to writing and movies to defense he had a sweet tooth for everything. Although exposed to limelight at such a young age Bharat stuck his feet firmly on the ground, focusing on his career and shaping it towards a better future. He had many times represented NIST at national- technical fests and even bagged the first prize for his paper on "*Airspace Monitoring System*". He gave a hard time to the TCS recruitment team with questions even they couldn't answer.

Friendly, Innovative, Determined and a burning desire to excel made Bharat separate from rest of the crowd. We believe we would not be wrong when we say the word "**Excellence**" is synonymous with **Bharat**.

Later that evening on 7<sup>th</sup> we get the news that Bharat's health was critical and he had been taken to Visakhapatnam. Such strong was his desire to survive that he had defied death times on his way to Visakhapatnam having suffered equal number of heart-attacks on the way.

Here is an excerpt from **The Hindu**, of the press conference held after Bharat's surgery about his treatment at Visakhapatnam.

### His heart beat the `attack'

Doctors said his heart had stopped beating. The emergency team under cardiologist Dr. D.K. Baruah gave him repeated DC shocks. His heart was revived, but it remained weak. He was put on heart support medicine and a support device called intra-aortic balloon pump and kept in Critical Intensive Care Unit (CICU).

Dr. Baruah told reporters on Tuesday that Bharat recovered in two days and was taken off all support devices. He was shifted to a ward and on October 20, an angiogram was performed which revealed that the main artery in his heart was completely blocked and his heart function had come down to 25 per cent of normal rate. Dr. Baruah, who is also the director of cathlab, said that Bharat's heart beat rate became irregular and his blood pressure too dropped.



**At the Apollo**

He was put on medicines to control heart rate irregularity. Finally, the surgery team headed by chief cardio-thoracic surgeon, Dr.P.V. Naresh Kumar, decided to conduct a coronary artery bypass graft (CAVG). In a first of its kind, the operation was performed on `beating heart' due to deteriorating condition of Bharat. Dr. Baruah said that they could do a bypass graft to the blocked artery of heart on `beating heart'. He recovered fast and was taken off the ventilator the next day. After defying death number of times and still fighting Bharat was back at Berhampur on 17<sup>th</sup>. In spite of the various painful surgeries that he had undergone, he walked all the way to his home on the 4<sup>th</sup> floor of his building. Later he got the news that the 7<sup>th</sup> semester exams would be from 10<sup>th</sup> of Dec. and so eagerly started preparing for it. 24<sup>th</sup> was a special day for Bharat, he waited for a long while for his father, to share his afternoon lunch with the whole of his family. After having lunch he and his father spent some time together he being caressed by his father. Later his father left for the afternoon session at the office. At around 5:30 in the evening having survived 5 massive heart attacks, his heart finally stopped at the 6<sup>th</sup> one. Bharat left for the heavenly abode only to be remembered by all of us for many years to come...

----- *In deep mourning, NIST Family*