

### Message from the Director



The hot and maddening Indian Summer is quite miraculously tied-up with another similar phenomenon - Indian Elections. The *khichidi* being cooked in view of all citizens puts a mockery of the party system, ethical values, ideology based electioneering, etc. The other day, before the *netas* had arrived, hordes of street artists were entertaining the crowd with bawdry jokes, songs and dances. Actors, Actresses, Models, Beauty contestants, Eunuchs - all are being wooed by parties eager to get attention and votes.

The only silver lining in these elections - use of high technology and therefore use of more engineers. The use of electronic ballot boxes in all constituencies of the country, the SMS messaging by *netas*, the website marketing, the scientific analysis of each constituency by caste, religion, voting pattern, etc., makes use of statisticians and mathematicians. Rarely have MBA's been so much used in electioneering as this one.

I urge NISTians to have a close look at the profession of a "politician" as a career choice - why not? As Prof Deepak Phatak from IIT, Mumbai (who was a recent guest of the Institute) pointed out - Engineers solve problems of the industry, politician also solves problems of the society. But first let us participate actively in the process of the elections however farcical they may look to some of us. Please go out and VOTE on 20th and 26th April, 04. The right of franchise for our citizens has been won with lot of sweat, blood and tears of our forefathers and let us not let them down by deciding not to exercise it.

We wish all the best to the batch of 2001-2005 as they prepare themselves for placement tests and interviews by *Infosys*, *Wipro*, *TCS* and other companies lined up.

With Best Wishes to all NISTians,

(April 15, 2004)

(Sangram Mudali)

### Message from the Editor

Summer Vacation time! Is it a vacation or a time to work harder. True to NIST style, a holiday is an opportunity to finish the unfinished business. Students often point out that NIST is quite a miser when it comes to giving holidays. Are we being deprived of R&R (rest and relaxation) or getting more time for work! May I mention here, the great slogan of Pandit Jawaharlal Nehru - *Aram Haram Hai*, because he knew the Indians penchant for inactivity. The greatest thinkers have recommended work as a unfailing antidote to unhappiness. *Work is worship* is an old but meaningful maxim. Our country needs more work and more constructive effort in all walks of life. At present, our State and National holidays are far too numerous and frequent. We have a large variety of holidays. Any small issue is good enough to bring the official work to a grinding halt. The death of an important personage is invariably condoled by closing down all offices, industries, schools, colleges and Universities whereas the same dignitary might have dedicated his whole life to the country and not taken a single holiday. We lose the man and hundreds of crores of rupees in the bargain. Therefore, it is essential to seriously review the holiday-structure of the country to divert the national energy to useful productive work. Thanks to NIST for giving us a chance for working by reducing meaningless holidays.

(April 15, 2004)

(Partha S Mallick)

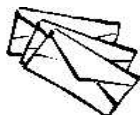
**Placement of the Last Month  
(March 15, 2004 – April 15, 2004)**

<b>S. No</b>	<b>Name and Branch</b>	<b>Name of the Company</b>	<b>Batch</b>
1.	Anil Satapathy(CSE)	ZITT Technologies	2000-2004
2.	Chinmay ku. Patnaik(CSE)	ZITT Technologies	2000-2004
3.	Arun ku. Tripathy(CSE)	ZITT Technologies	2000-2004
4.	Antariksh Kar(CSE)	ZITT Technologies	2000-2004
5.	Durga Prasad C Singh(CSE)	ZITT Technologies	2000-2004
6.	Amit Mohanty(CSE)	ZITT Technologies	2000-2004
7.	Amit Panigrahi(IT)	ZITT Technologies	2000-2004
8.	Bikram Mupparthi(IT)	ZITT Technologies	2000-2004
9.	Suchismita Boxi(IT)	ZITT Technologies	2000-2004
10.	Mayuresh Mohapatro(ELE)	ZITT Technologies	2000-2004
11.	Suresh ku Sarangi(ELE)	ZITT Technologies	2000-2004
12.	Heema Satapathy(ELE)	ZITT Technologies	2000-2004
13.	Dhananjaya Sahu(ELE)	ZITT Technologies	2000-2004
14.	Pabitra Mohan Samal(ELE)	ZITT Technologies	2000-2004
15.	Pravat ku. Mohapatra(ECE)	Honeywell	1998-2002
16.	Niharika Biswal(CSE)	Honeywell	1999-2003
17.	Debdeep Mitra(EIE)	XIMB	2000-04
18.	Mukesh Pattnaik(ELE)	XIMB	2000-04
19.	Surajeet Mishra(IT)	XIMB	2000-04
20.	Dharamteja Mansingh(ECE)	XLRI	2000-04
21.	Arun Tripathy(CSE)	Jataayu Software	2000-04
22.	Biswa Ranjan Sahoo(CSE)	Jataayu Software	2000-04
23.	Chinmaya Pattnaik(CSE)	Jataayu Software	2000-04
24.	Vikram Mupparthi(IT)	Jataayu Software	2000-04
25.	Sarbeswar Meher(IT)	Jataayu Software	2000-04
26.	J. Naveen Kumar(IT)	Wipro Technologies	1999-03
27.	Pravasarn Padhy(ECE)	Wipro Technologies	1999-03
28.	Anusuman Mishra(ECE)	Wipro Technologies	1999-03

**Prof Deepak B Phatak's Visit to NIST**



It was a great day for NISTians. Eminent academicians **Dr. Deepak B Phatak**, Subrao Nilekani Chair Professor, Kanwal Rekhi School of Information Technology, IIT Bombay gave a superb presentation on - **National IT Roadmap - Role of an IT Professional**. The huge gathering of students, faculty members proved that they were waiting for such a seminar and for such a distinguished personality. He explained clearly about the role of IT professionals in the present scenario. He explained the concept of the "Technology Incubator" and "Video Based Distance Education" which he has introduced in IIT, Bombay.

**Some Inspiring Letters.....**

**From: .**

**Dr. H.P. SINHA, Executive Secretary, ISTE, New Delhi**

**To: Prof. Sangram Mudali, NIST, Berhampur.**

**Date: April 6, 2004**

**Dear Prof. Mudali,** I feel pleasure in extending my heartfelt sense of appreciation to you for you hosted the 6<sup>th</sup> ISTE Convention of Orissa Section on 4<sup>th</sup> April, 2004 at your fast growing institution: National Institute of Science & Technology, Berhampur. I am very much impressed to visit the Campus and have very effective and meaningful interaction with you along with your dedicated team of Faculty Members. I am confident that the Institute under your dynamic leadership and able guidance will reach record heights in terms of achievements in near future. Please extend my sincere thanks to Shri Arun Patnaik, Dr. Ajit Panda, Mr. Jagannath Mohanty and other Faculty Members with whom I could interact. I would like to assure you of the due cooperation from ISTE Headquarters for all the time. I wish very bright future for yourself and NIST, Berhampur family. With kind regards, Yours Sincerely, **H. P. SINHA.**

**From: R.N. Subudhi, Berhampur University**

**To: Prof. Sangram Mudali (Director), NIST, Berhampur.**

**Subject: Thanks for the hospitality during ISTE Convention**

**Date: Sent on April 7, 2004**

**Dear Prof. Mudali,** As a life member of ISTE, I had the opportunity of attending the last state level convention and visiting the campus of your esteemed organization, for the first time. I had a paper for presentation in the seminar. Like all my colleagues, I was quite impressed over the warmth of the reception and hospitality extended to us on that day. Congratulations for organizing the meet quite successfully. Please convey my thankfulness to all your colleagues, who were equally instrumental in making it a success. I look forward to an ever fruitful academic relation with you and your Institute. I teach quantitative papers & Systems Management (MIS) to the MBA students of BU, since last 16 years. With best personal regards, Sincerely yours **R.N. Subudhi.**

**From: Dr. S. K. Sanyal, Department of Electronics and Telecommunication Engineering, Jadavpur University, Kolkata-700 032 ("salil kumar sanyal" <salil\_kumars@hotmail.com>)**

**To: Prof. Sangram Mudali, NIST, Berhampur.**

**Dear Mr. Mudali,** With reference to your letter dt. 20.11.03, at the outset I would like to apologise first for responding very late due to severe teaching, research & professional assignments. I get your newsletter NIST-e news from Partha very frequently. In fact this newsletter is highly informative reflecting the various activities of your Institute under your steward leadership. Many other Institutions should follow this idea of newsletter. I really enjoyed some of the jokes in the Students' corner. I would like to suggest that Special Pages are to be dedicated for the insertion of the latest world wide development in Electronics /Communication /Computer/Information Technology and also for the new Books and Journals in the same area. The industrial news in the above area, particularly in the state of Orissa should also have a separate page. Thanking you and with regards, **Salil.**

### News Corner

#### VC and Registrar(BPUT) visited NIST

The Honorable Vice Chancellor of BPUT, Prof Damodhar Acharya and Registrar of BPUT, Prof R. K. Mishra visited NIST on March 26, 2004. Also, the Principals/Heads of all Engineering Colleges, MCA colleges, Pharmacy Colleges, MBA Colleges under Berhampur University also attended a meeting at NIST which was presided over by the Vice Chancellor. The Vice Chancellor and Registrar also met students, faculty members and visited all Labs.

#### GATE 2004 – NISTians Success

##### B K Dash and Madhusmita Das

- The GATE students of NIST Centre for Excellence (NCE), Bhubaneswar have performed well in GATE-2003. We congratulate all of them. The successful students are **Jeevesh Kumar Sharma** (91.51, CSE), **Satyabrata Pradhan** (97.4, CSE), **Debijyoti Das** (95.73, ECE), **Saroj Kanta Nayak** (88.6, ELE), **Gagan Bihari Senapati** (89.03, EIE).
- NIST student **Prasanna Kr Mishra**(5<sup>th</sup> Semester, EIE) obtained 97.51 percentile in GATE 2004. **K Santosh Kumar** (CSE) and **Kiran Kumar Patro**(ELE) obtained 89.40 and 88.81 percentile respectively.

#### Gala Party for the NISTians

It was a gala gathering of the NISTians staff and faculty along with their family members at *Hotel Jyoti Residency* on March 29, 2004. It was an evening of music and games. It started with games like Musical Chair for both Men and Women followed by a teamwork game. The songs of Mohua, Jyotirmayee, Sagar and Dhiren made the program more lively. Our new faculty members introduced themselves to the rest of NISTians. Our Director and Placement Director also participated in the games. Finally, Dr Ajit Panda, Dean of NIST, distributed the prizes to the winners. The evening ended with the dinner and a promise to meet again soon.

#### Campus recruitment

*Jatayu Software, Bangalore* and *IndInfotech, Hyderabad* visited NIST campus on April 7, 2004 and March 10, 2004 respectively for recruitment. Out of 6 successful students in *Jatayu Software*, 5 from NIST and 1 from UCE, Burla. *IndInfotech, Hyderabad* will declare the list of successful candidates soon. Our 2000-2004 batch students are doing well in Campus Selection. They have also shown their talent during the visit of *ZITT Technologies* last month. Some other companies will visit NIST soon for recruitment such as *Satyam, Tata Elexi, etc.*

#### XIMB - NISTians success

Our 2000-04 batch students **Debdeep Mitra** (EIE), **Surajeet Mishra**(IT), **Mukesh Pattnaik**(ELE) succeeded in getting admission in MBA(2004-2005) at *Xaviers Institute of Management, Bhubaneswar*. Congratulations!

#### M.Tech–NISTians come out with flying colors

In the recently published M.Tech, 1<sup>st</sup> semester result of BPUT, NIST students secured the 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> positions among all colleges offering MTech. **Manmath Roy** is the first securing 8.24 SGPA. The 2<sup>nd</sup> position was secured by **Samikhya Dash** obtaining the SGPA, 8.04 and the 3<sup>rd</sup> position obtained by **Meryleen Mahapatra** (SGPA 7.79) and the topper from UCE, Burla. Congratulations! We wish you all the best for the 2<sup>nd</sup> sem exam.

#### NIST Welcomes you....

We welcome **Mr Pradipta Kishore Sahoo** who joined us on March 19, 2004 as Junior faculty. We also welcome **Ms Susmita Sahoo** who joined as a Junior Faculty (on April 5, 2004), **Mr Suresh Kr Mohanty** as Lab Supervisor (on March 15, 2004), **Mr Kailash Ch. Sahu** as Lab Supervisor in PC Lab(on March 22, 2004), **Mr Krushna Kant Das** as HR Assistant (March 23, 2004), **Mr Ch Ganesh** as Driver(on March 13, 2004) and **Mr B Keshab Rao** as P helper(on March 8, 2004).

## Research and Development

### Conference Paper

1. **J Mohanty, R Mishra and A K Patnaik**, *Making global resources accessible to rural areas through Telecommunication Technology* - presented in the 6<sup>th</sup> annual convention of ISTE, Orissa held in NIST on April 4, 2004.
2. **Rowdra Ghatak and G V Kiran Kumar**, *Predicting the need for more base stations for penetration of Cellular Radio Signals in rural areas around Berhampur city* - presented in the 6<sup>th</sup> annual convention of ISTE, Orissa held in NIST on April 4, 2004.

### Seminar presented by NIST's EE group

A very interesting seminar was presented by NIST's Electrical Engineering (EE) Group on March 18, 2004. The topic of the seminar was *Latest Trends in Electrical Engineering*. **Professor S K Upadhyay, Mr. G Panda and Mr S Samantaray** spoke on the latest research and development trends in the field of Electrical Engineering and also facilities available at our Institute. They presented our latest acquisitions such as **INTELLIGENT DRIVES, ETAP, PS-CAD, SIMULATION, etc.** Our Director and all interested students and faculty members attended the seminar.

### Invited Talk by NIST faculty

NIST Faculty **Dr. Partha S Mallick** gave an invited lecture on *Solitons in Optical Fiber Communication* at Seemanta Engineering College, Mayurbhanj, Orissa on April 1, 2004. It was a part of the series of lectures of the AICTE-ISTE sponsored Workshop on *Optical Control of Microwave Devices and Circuits* organised jointly by Seemanta Engineering college, Majurbhanj and Interim Test Range (ITR), Chandipur, Orissa. The workshop was attended by the faculty members of different technical Institutes of Orissa. NIST Faculty **Mr G V Kiran Kumar, Mr Dutikrushna Panda and Mr Haribandhu Sahu** attended the Workshop as delegates.

### New Arrival: Software/Hardware

We have the **Mentor Graphics IC Station** (EDA Tool for IC Design). It is a full IC Station which can generate PAD also for VLSI chip fabrication. This S/W is high-end industry level & will be used for the summer courses-04. Anyone interested may contact Dr AK Panda.

### Question of the Month

**Is Democracy a success in India?**

**YES/NO**

*Send your answers before 10<sup>th</sup> of next month with a short reason to the Editor at [niste\\_news@yahoo.com](mailto:niste_news@yahoo.com). Results will be published in the next issue.*

The Question of the last month was " Is the Indian Economy on the right track? We have received a good number of responses. Here are some of them...

### Last Month's Poll

**From: prasant kumar senapati" 2<sup>nd</sup> Semester <[itsprasant4u@yahoo.co.in](mailto:itsprasant4u@yahoo.co.in)>**

*Yes, I do think so. Feel good factor is flowing around us. This is the time when as an Indian you see maximum opportunity is falling at your step. GDP touching 8, increase in production of food grains, increasing exports, decreasing imports, Indians listed in top riches, Indian companies listed in NASDAQ, increasing standards of our daily life shows we now have created the platform from which we can launch the ship to reach our target to become not only developed nation but also ace power in globe by 2020 as the eyes of our president see.*

**From: preety patel" <[sweetypie\\_11in@yahoo.co.in](mailto:sweetypie_11in@yahoo.co.in)>**

*No, I don't feel it is true due to the high rate of corruption in our country. The Indian Economy should be aware of the peace development in every stage. But it does not happen. The Indian Economy just avoids the general rules applicable to the public. If the Indian economy is on the right track then corruption, misplacement, unemployment, illiteracy, etc., should not be existent in India. Though there is a little bit of development in our economy, still it is not in the right track. In fact the Indian economy requires more development to establish a right track.*

*Student's Corner***Success in SRIJAN - 2004**

SRIJAN-2004 – the competition of technical paper presentation, held at ISM, Dhanbad from March 12 – March 14, 2004. NIST students have again shown their talent to be the winners. Final Year student **SHAKTI ASHIRWAD** and **GOPAL KRISHNA PANIGRAHY** bagged the 1st prize in paper presentation, *SAFTEK*. The title of their paper was *Design Patterns*. **Manish Agrawal** of 3rd year got the 2nd prize in *Panchavarodh* and **Kajol Panigrahy** of the same year procured the 2nd prize in *dance*. Another final year student, **Narayan.Prasad. K.** bagged the 3rd prize in debate competition. NIST, as a team, got the third prize in SKIT. The title of the skit was *National Integration*.

**80 out of 80!**

In the recently published result of 3<sup>rd</sup> semester by Berhampur University, **E Srinivas** of 2001 batch got 80 out of 80 in Mathematics. Srinivas is the only student who got the 100% marks.

**Word of Power, K. GIRIJA SHANKAR SENAPATI, 2nd Semester**

*Did* is a word of achievement.

*Won't* is a word of retreat.

*Might* is a word of bereavement.

*Can't* is a word of defeat.

*Try* is a word of each other.

*Will* is a word of beauty.

*Can* is word of power.

**Remember these three, B. Satish Kr, 1<sup>st</sup> Yr**  
Aspire for

Faith, Peace and Purity of heart  
Be ready for  
Death, Sorrow and Downfall  
Control your  
Temper, Desire and Tongue  
Don't hurry in  
Marriage, Business and Travel  
Don't waste  
Time, Money and Energy  
Esteem  
Religion, Justice and Humility  
Fight For  
Country, Honour and True Friend  
Hate  
Injustice, Pride and Faithlessness  
Honour  
Reason, Foresight and Perseverance  
Love  
Bravery, Gentility and Affection  
Preserve  
Good Books, Good deeds and Good Friends  
Value  
Intelligence, Ability and Happiness.

**Some Quotes - Nruparaj Sahu**

All glory comes from daring to begin.

- **William Shakespeare**

*It's always fun to do the impossible.*

- **Walt Disney**

Never leave that till tomorrow which you can do today. - **Benjamin Franklin**

*Aim for success not perfection? Remember that fear always lurks behind perfectionism.*

*Confronting your fears and allowing yourself the right to be human can, paradoxically, make you a far happier and more productive person.* - **Dr. David Burns**

It takes a lot of courage to show your dreams to someone else. - **Erma Bombeck**

***In the Next Issue.....***

- Presenting Technical Seminar
- Multigym* at NIST
- Person of the Month
- Many other News, as usual

## Career Corner

## Knowledge Teasers

Kushal Bhut &amp; Manmit Singh, Final Year

1. What term, meaning "Good Death" is given to mercy killing or administering death to terminally ill patients?
2. 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?
3. 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?
4. Shyam Benegal's movie 'Manthan' had a record of having more than a thousand producers. Who were they?
5. What was born in a pub in London during a bar room argument on which bird was the fastest in the British Isles?
6. Which king, the son of Sage Pulyasta was an accomplished veena player and his royal flag bore it as his insignia?
7. Recently who has broken the Test record of Mathew Hyden of Australia?
8. PTI – stands for?
9. The Nobel prize was achieved by an Indian and recently it was stolen. Which Nobel prize and of whom?
10. *Photoelectric effect* – invented by whom?

**Send your ANSWER by May 10, 2004. Names will be published in the next issue.**

*(Among the responses received no one was able to provide all the 10 correct answers.*

*Answers with Questions are given below).*

1. In *ad jargon* what is a "Horizontal Roadblock"?(The same ad in all the channels in the same time band).
2. Everyone knows what e-mail is. What is we-mail?(Joint Internet account).
3. In 1935, Carl Van Ossietzsky, German journalist and pacifist won the Nobel Prize by beating a much more famous person whose nomination for the Prize was vehemently opposed by the British. Who?( Mahatma Gandhi).
4. She was the first winner of the Asian Women's amateur Table Tennis title but is better known for her professional life. Who?(Kiran Bedi).
5. Who was awarded the Bank of Sweden Prize for 1998?(Amartya Sen).
6. Recently a Dubai based company launched a range of perfumes called 'SK'. After whom is it named?(Sharukh Khan).
7. In the name of the popular computer *iMAC*, What does the 'i' stand for?(Internet).
8. It was earlier called as 'The Statuette'. How do we know it today?(The Oscar).
9. In the Mahabharata, other than *Kauravas* who else had a 100 brothers?(Shakuni).
10. Sage Bhagiratha performed penance to bring Ganga to earth. Sage Kashyapa performed penance to bring which river to earth?(Saraswathi).

## CONGRATULATIONS

Gangotri Mohanty, 2nd Semester, ELE

----- for sending all correct Answers

## Alumni Page

### From Mailbox

**From:** "rajesh samantaray" <Rajesh\_samantaray@infosys.com>

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

**Subject:** hello

**Date:** Tue, 30 Mar 2004 18:17:27 +0530

**Hello Sir,** It's been a great pleasure visiting our college campus now. It has changed remarkably since we passed out. Hope our college prospers in leaps and bounds. But sir it has been sad to notice that our official website still doesn't have the email id of the entire passed out batch. This is the only way through which we can keep contact with the people with whom we made up our career. Hope you consider my suggestions and do the needful so that NISTian relationship prevails forever within us. Thanks. Regards, **Rajesh Samantaray (1999 batch).**

**From:** "B Hota" <mail12lincon@yahoo.co.in>

**Subject:** Happy Holi

**To:** apatnaik@ieee.org

**Sir,** Namaskar. A very Happy Holi to u. I qualified for TCS and because of your blessings and wishes of my friends I qualified for the same I am not sure whether u r able to recognize me or not I had passed out in 2002 and my Roll No was 209 ECE I had done my BE Project and seminar under ur guidance. I guess now u may have recognized me My training starts from 15th How is our college and What's new in it? I have heard that u r moving abroad If so then congrats and I wish u a happy life. Regards, **Bibudhendra Hota.**

## Interview with Alumni

**From:** Ashwin Agrawal <ashwinagrawal@hotmail.com>

**To:** Sunita Panigrahi(NISTe-News representative)<sunita2\_pani@rediffmail.com>

**Date:** Tue, 30 Mar 2004 06:56:39 IST

**Subject:** Interview

Hi Sunita,

I am a regular reader of NIST e-News, it's quite informative and keeps us attached to our college. It keeps on refreshing our bright memories of NISTian life. I appreciate the co-ordinators and volunteers of e-News, it is really a nice job, Regards – **Aswin Agrawal.**



**NISTe-News: Please....a few lines about yourself**

**Aswin Agrawal:** I am one of the NISTian from 2nd Batch(1997). I still remember my roll number CSE-199747017 :). I was fond of "C programming" during college days and till now I have been working with C only and hope I will not break my relationship with C.

**NISTe\_News: About your present job...**

**Aswin Agrawal:** Presently I am working in LG MSL (Mobile Software Development Lab). I am working for 3G UMTS Handsets, next generation mobile technology in LG Electronics, South Korea. Working in this technology is quite interesting and each day we get a chance to learn lot of new things.

**NISTe\_News: How did you reach there**

**Aswin Agrawal:** Previously I was working with *Jataayu Software, Bangalore*, where I joined through campus interview at our college. After 2.2 years of employment in Jataayu, switched my job to LG in December, 2003.

**NISTe\_News: Your fond NIST memories**

**Aswin Agrawal:** I heartily thank Geetika Madam, Reddy Sir, Panda Sir, Padhi Sir who taught us to work hard and trained us how to handle to work under pressure. Special thanks to Reddy sir who helped us improving our documentation skills. I can't forget the days when we were rewriting the project reports 2-3 times after it was rejected by Reddy sir. I thank to Geetika mam who helped us to improve our presentation skills by conducting many class room presentations. That time these things were boring and extra burden for us but now I can realize the importance, it's really helping a lot in our day to day professional life. I miss the *gumtis* at NIST where we all were sitting and doing *khattis* after bunking the classes, those days can't be brought back.

**NISTe\_News: Suggestion to your juniors....**

**Aswin Agrawal:** I suggest my juniors to work hard and try to learn more and more things. The competition is getting tougher and tougher everyday. Try to do your best in campus interviews. Best of luck for your bright careers.

**NIST Hosts the 6<sup>TH</sup> Annual Convention, ISTE, Orissa Prof Arun Pattnaik**

The sixth annual convention of Indian Society for Technical Education (ISTE) Orissa Section



was held at NIST in Berhampur on April 4, 2004. It was attended by over 200 delegates from all engineering colleges, Diploma Institutes, ITI's & industry representatives from Orissa.

The Chief Guest was ISTE National Executive Secretary Prof. H. P. Sinha, Chief Speaker was Prof T. K. Bhattacharya, Director of NITTR, Kolkata, and Guest of Honor were Ex-Chairman ISTE Orissa,

Shri P K Mishra, Registrar of Berhampur University Shri K C Sahu and OPECA Secretary, Shri Binod Dash. In his remarks, Prof Sinha lauded the efforts of ISTE Orissa section and NIST to further the objectives of bringing the fruits of technical education to the villages of Orissa. The Chief Speaker encouraged entrepreneurs to act as nodal agencies to bring technical development into a rural ambience. More relevant and cost-effective solutions are needed for the rural community to enhance their incomes and increase efficiency.

Mr. Sangram Mudali, Director, NIST, outlined the need for rural Entrepreneurship to serve as a bridge to bring a telecom and Internet revolution in our villages. NIST has taken up a challenge to demonstrate a model wherein technology for enhancing rural employment will be taken up for neighboring villages of Ganjam district. Similarly NIST Robotics Club and NIST Entrepreneurship cell has undertaken a number of workshops for rural youth. He urged Institutes of higher learning to give back to society by undertaking massive employment generation programs within a 50 Km radius of their Institutes.

About 16 quality research papers were presented before the august gathering by eminent scholars and researchers from different parts of the state on the topic "Technology for Indian Village". The papers were from variety of fields and subjects and compassing domain like Telecom Technology for villages, Cellular Radio Signals in rural areas, Structural Engineering for villages, Computer Science & Information Technology for villages etc. Basically these papers were aimed at integrating the villages with expanding Technology. Mr. GC Patro, Chairman, ISTE Orissa, welcomed the delegates and gave the vote of thanks.

**GATE 2004 at NCE – Students Feedback**

*NISTe-News representative talked to GATE-2004 students of NIST Centre of Excellence, Bhubaneswar and got some written Feedback from them. In this issue, we are giving some of them.....*

**From: Rajendra Kumar Sahoo, GIHTM, Puri, EIE**

I got very good teaching here at NIST Center of Excellence. Also expecting to get the MATLAB Software skills from here. The faculties are encouraging. They showed us many useful tricks to solve some tricky problems. In most of the institutions students used to bunk classes but here in these 3-4 months of coaching we could not do it.

**From: Kalyani Devi, Ravenshaw College, CSE**

The teaching is good and all are very much cooperative. But it needs time management. More doubt clearing classes. Stress should be given on problematic approach.

**From: Santisudha Panigrahi, KIIT, CSE**

Excellent way of teaching. But instead of covering all the courses. It could be better if only GATE pattern questions will be taught.

**From: Gagan Bihari Senapati, GHITM, Puri, EIE**

It is a good institute & the instructors are very cooperative & encouraging with a good skill.

**From: Anselam Minj, GHITM, Puri, EIE**

Hardworking dedicated teachers. More advertisement needed.

**From: Manaswini Sahoo, BIET, Bhadrak, ELE**

NIST is a very good institute. I had a great attraction for this institute at the time of my Engg. admission. But I couldn't read in that college as it is a long distance from my home. But I read in newspaper that the NCE is at Bhubaneswar. Then I came here immediately. All the faculties are very good. But we need more doubt clearing classes.

**From: Saroj Kanta Nayak, JITM, ELE**

This is a good institute, also very professional about its work. But all the lectures are not satisfying. We suffered in many subjects like Power Electronics, Circuit Theory. In Power System we get some benefits but it is not sufficient for us. Other subjects like Machine, Control System, Measurement is well planned but still more required.

**From: Sailaja Nandan Nayak, ITER, ECE**

The faculty, course materials and infrastructure is excellent. If the duration of classes could be reduced & the frequency should be increased then students will get considerable benefits from the classes.

**From: Premalata Jena, GHITM, ELE**

Really it is excellent. It is beyond my imagination. I was searching for concept & fundamentals and practical oriented knowledge which I got from all the faculties of NIST. Really I am extremely grateful to those great person, who had helped us by sacrificing their valuable time.

**From: Ashis Kumar Behera, KIIT, MCA**

It is a good institute & the teaching is also very good.

**From: Jeevesh Kumar Sharma, SRMS College of Engg and Technology, UP**

The course is one of the best furnished by any Institute. As a student of your NCE, I want to say that there must be more interaction between student & faculty if possible.

**From: Arabinda Nanda, Seemanta Engg College, Mayurbhanj, CSE**

NCE is giving here a good style of coaching to the GATE aspirants. Instructors are so good to clear our doubts. I got a new style of coaching which I wanted for.

**From: K. Vikram Kumar, GIET, Gunpur, EIE**

It is a very good institute. It is providing very good teaching and good reading atmosphere. But one problem is that we are not clearing our doubts at the right time.

**From: Partha Sarathi Pani, GIET, Gunpur, EIE**

Really it is nice to be a part of NIST NCE, BHUBANESWAR. After my prolonged period of 4 months, I interacted with number of faculties, all are experienced. Last but not the least, I found that for EI branch, NCE is better than any center of Hyderabad where my friends are taking coaching.

## Current Affairs

Vivekananda Dora

### Five phase elections

**March 24, 2004:** Setting into motion the process for the forthcoming elections, President APJ Abdul Kalam issued notifications for elections to 141 parliamentary constituencies across 15 states in the first part of the five phases in election. The Lok Sabha elections will be held in five phases – April 20, April 22, April 26, May 5, May 10.

### IBSA dialogue forum

**March 5, 2004:** In a major development signifying tri-continental cooperation, the India-Brazil-South Africa Dialogue Forum have held their first meeting and have forged a three way alliance covering areas with focus on business, trade, defence cooperation and civil aviation.

### Tagore's memorabilia stolen

**March 25, 2004:** India's first Nobel prize, won by Rabindranath Tagore in 1913, has been reported stolen, along with it a citation and a lot of other valuables are missing. CBI help has been sought, though nothing concrete has come up.

### GDP grows 10.4% in Q3

**29<sup>th</sup> March :** The NDA's "feelgood" campaign got another booster dose ahead of the general elections with the economy posting a GDP growth of 10.4% during Sept-Dec 2003.

### BHARTI, IBM INKS \$750 Million deal

**March 26, 2004:** In a first of its kind IT outsourcing deal by an Indian company, *Bharti Televentures* signed a 10 yr. deal worth \$750 million with American infotech giant IBM corp.

### HCL-Tech bags SBC deal

**March 10, 2004:** In one of the largest back office deals, HCL Technologies has secured a \$75 million contract from South American SBC Communications, one of the largest telecom operators in the world with revenues of over \$140 billion.

### India clinch one day series

**March 24, 2004:** India recorded its first ever one day cricket series triumph in Pakistan in the fifth and deciding one day international in Lahore to win the series 3-2.

## Dr. D B Phatak's view - Role of an IT Professional

Deepa Chowdhury, Ruchi Mishra and Sanjarekha Pradhan, Final Yr. IT

What are engineers? Engineers can be described as problem solvers. We have engineers of different branches. But in the real world, a problem does not come with a stamp of a branch on it. Still there are divisions. So, let's have a look at the most recent branch added to the study of engineering - Information Technology. IT is the technology that permits capture, validation, storage, retrieval, analysis, dissemination and archival of information. It can handle information of all sorts and at all times. This seems to be similar to Computer Science, but, there is a great difference. The difference is mainly in the emphasis. IT is all about using computers effectively. Computer Science, on the other hand, deals with computer architecture, organization, database, etc.

While referring to the components of IT we usually miss the most essential one – INFORMATION. Along with this, the other components of IT deployment are Hardware, System Software, Application Software, network, bandwidth, infrastructure, people and processes. Application software, again an important component, implements desired business functionality.

Let's now consider the role of IT professional in this roadmap. A person climbs the peak of achievements through the following steps: his scores, depth in knowledge, his professional achievements and finally, the person's ability to impact the society positively. Every individual at some point of time has the feeling of diffidence. After a series of failures, the person within you says you are good for nothing. And slowly this feeling becomes so prominent that you really become good for nothing. You try to compare yourself with others. You always look at the people ahead of you, ignoring the people you are ahead of. Why? All those people ahead of you had learnt the same *foreign language* at almost the same age as you had and which subsequently became the *mother tongue* (for you as well as for all the people ahead of you). Then why do you feel that they can do something, which you cannot. Instead of looking at the people ahead or behind you why not look at yourself and find out where did you lack and try to correct it the next time. Always compare yourself with the absolute and not those ahead or behind you. While God has endowed us with different capabilities, each one of us has enough to successfully solve most of the complex and challenging problems in the world

There are a few characteristics common to all the IT professionals. These are knowledge and skill of a person, his personality, vision and the value system he possesses. Have you ever marked the hunger of a child to know and understand the activities around him, his boldness to ask any question without the fear of being laughed at and his continuous efforts to try and try until he succeeds? An IT professional should have the same level of curiosity and zeal. His personality should reflect these features. He should be polite but forthright. He should have a clear vision, a goal to achieve. He should know what he proposes to do. He should think of what will happen to him, his nation, his society, his institution ...10 years from now. Often the milestones are thought to be goals. It is very important to understand the difference between milestones and goals. Milestones are the stepping stones that lead towards the goal. Apart from these, one of the most important possessions of a professional are his value systems. The values include his ethical principles, commitment and of course clearing of his traditional debts. Every individual should have some principles, which are not to be compromised on. He should have a disciplined and rigorous approach. At the end of the day you should be able enough to look straight into the eyes of the person looking at you from the mirror. One should feel the responsibility to respect deadlines. We owe to our parents, our

society and our teachers. We have to clear off these debts in this life only. These characteristics describe a complete IT professional.

IT professionals can make a difference only when they make learning a regular habit, treat ethics as important, learn and develop leadership and negotiating skills and BELIEVE IN THEMSELVES. The Indian IT professionals should feel pride in Indian achievements, together with genuine respect for knowledge & progress elsewhere. An unsolicited advice from Dr. Deepak B. Phatak is “Get Out of ‘Colonial Mindset’, The World is Yours to Make a Mark on.”

The concluding remarks were.....“Struggle comes out of hunger, Hard work comes out of struggle, Success comes out of hard work.”

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*Going to IIT, Kharagpur is like going home. I feel like I know every inch of that soil. Hindus go to Rishikesh for pilgrimage, Muslims go to Mecca & Christians go to Jerusalem to pray. I just go to IIT Kharagpur as my holy place. Vinod Gupta (Alumni of IIT, Kharagpur).*



## Workshop on Robotics

### for School Students Class 8<sup>th</sup> to 12<sup>th</sup>

Date: 1st May to 15<sup>th</sup> May, Time: 9AM-5PM

Students will participate in an exclusively designed Hands-On Robotics Workshop under guidance of faculty. Cash prizes for best projects.

Registration Fees: Rs.2500/- only



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Contact for info and registration : 2216852 (O) or 9861077244. Free transport will be provided.

*Brothers/Sisters of NIST students may enrol in this Course and avail 10% discount. This is also available to all NIST Staff and Faculty children and relatives.*

### :Placement:

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- Wipro Technology
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- Satyam
- Tata Elxi
- CG Corel

#### *Our Student Representatives*

Aruna Kr Tripathy, Manoranjan Jena, Sunita Panigrahi, Sudhansu Sekhar Sadangi, Vivekananda Dora, Rohan Gupta, and Arun Reddy.

*The next issue will be published on May 15, 2004. Send your message on or before May 10, 2004 to [niste\\_News@yahoo.com](mailto:niste_News@yahoo.com). Thanks.*

----- **NISTe\_news**

Patients in the future may drink fluids containing *nanorobots* programmed to attack and reconstruct the molecular structure of viruses to make them harmless.-- *Prof GK Mehta, University of Allahab*

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