



# nist e\_news

September 15, 2008; Vol.: 56

A monthly news bulletin

Unlock your  
Mind's Eye



## editors

Mr. Amrut Phalguni Mohanty  
Mr. Dipti Ranjan Lenka

## e-designer

Ms. Suman Acharya

## advisors

Prof. Sangram Mudali  
Dr. Ajit K. Panda  
Ms. Geetika Mudali



National Institute of Science and Technology  
Palur Hills, Berhampur, Orissa.  
Phone: 0680-2492421, 2492422, Fax: 0680-2492627  
e-mail: enews@nist.edu, Website: www.nist.edu.





## FROM THE DIRECTOR'S DESK

**O**n behalf of all the students, staff and faculty, I welcome all the new students of B.Tech, MCA, MBA, M.Tech and PGDM of the batch of 2009 to the National Institute of Science & Technology. Undoubtedly each of these students had a choice but they exercised their choice to join NIST in preference to others. We are extremely happy about your decision and we stand committed to provide the finest quality education which our track record amply demonstrates. For all our existing students, staff and faculty – a note of caution. This is the age of competition and it is more so in the field of technical education. We must continue to provide the highest value for the investment done by the student in our Institute and we must uphold the highest values and integrity of the academic system which we hold so dear. All around us are the efforts to lower down the academic standards or to reward mediocrity. We at NIST have always chosen the more difficult path of setting our own benchmarks of excellence in tune with the best institutes of the country such as IITs, NITs, etc. We choose not to rest on our laurels earned in the past 12 years but to catch up with institutes which are 25 years old and are ahead of us. In this regard it is heartening to note that the Institute has improved upon its AIEEE, JEE rankings from the previous years which goes on to prove that we are on the right track and students and parents have immense faith in our commitment and academic values.



Prof. Sangram Mudali

On another note, I and Geetika, were extremely privileged to be present at the solemn function held at Jaydev Bhawan, Bhubaneswar, to award the Samant Chandrashekar Young Scientist Award to our faculty Dr. Motahar Reza. It was a proud moment for NIST since this is the 3<sup>rd</sup> Samant Chandrashekar Young Scientist Award to NIST faculty, the past recipients being Dr.Chandal Nahak and Dr. Saroj Meher.

The Summer Courses 2008 were the biggest event of the May-June months and we surpassed all records in student enrollment especially in the number of students from other Institutes. The new courses which were offered such as Embedded Systems were a great learning experience for both teachers and the taught. I thank all the Summer Course Coordinators, faculty, laboratory staff, transport and mess staff for the extraordinary care they took of the trainees in the sweltering summer heat. I hope our MBA faculty would put together a suite of industry oriented courses to be offered to all management graduates from the next summer onwards.

The graduating batches of B.Tech, MCA, MBA (1<sup>st</sup> Batch) and M.Tech received a warm and emotional send off from our faculty and staff. We wish them all the best in their future endeavors and wish to remind them that we will always cheer them on.

Once again, I wish all the new students of the batch of 2009 a warm Welcome to NIST. May the Heavens above shower its choicest blessings on all of you.

I Welcome all the participants to Sankalp 2008 and Wish them all Success.

With Best Wishes,

15 September 2008

Sangram Mudali

## FROM THE EDITORS' DESK

**W**e welcome all the new NISTIANS to the abode of learning, and wish them a great 'stay for study' innings at NIST. We extend a warm welcome to all of them to the NIST e\_news community and hope they will contribute with gusto to its success.

Like every passing year, NIST offers its students with lot many of the activities through competitions and symposiums for their overall personality development. Sankalp-2008, the largest ISTE sponsored technical extravaganza has



already crept into the air with the open invitation to the entire student community to showcase their multifarious talent under one roof, be it technical paper presentation, robotics, dance and song, or literary creativity. We also welcome all the student delegates from different institutions of the state and outside to participate in this said event and wish them all success. We especially welcome the talented students of the +2 Science schools from all over the state who will attend the first-time ever +2 Science events.

Upgradation has really been the mantra for NIST since its inception in 1996. And this year the institute treads another step ahead by adding the NIST Business School to its existing academic infrastructure. The institute has already set a benchmark in producing quality engineers in the past 12 years and now the time will witness quality managers running different corporate houses of the country.

15 September 2008

Dipti Ranjan Lenka  
Amrut Phalguni Mohanty

## PLACEMENT DRIVE

### Batch 2004 – 2008

#### **Micro Soft, Bangalore**

1. Meenakshi Nayak

#### **JSW Aluminium, Visakhapatnam**

1. Pankaj Basu
2. Mallika Sinha

#### **E Value Serve Pvt. Ltd., New Delhi**

1. E. Bikram Raj Kumar

#### **Indus College of Engg., Bhubaneswar**

1. Santoshi Panda

### Batch 2005 - 2009

#### **I Flex Solution, Mumbai**

1. Sanghamitra Sahu
2. Rosalin Nayak

#### **Delta Star Venture, Bangalore**

1. Arun K Mahto
2. Smaranika Padhy
3. Manoj K Sahu
4. Sandeep Patnaik

#### **TMGT, Bangalore**

1. Mh. Adeeb Anjum Akhtar
2. Sibani Sabat

#### **PENTA - C, Bangalore**

1. Neha Shrivastava
2. Santoshi Prasad Sahu
3. Kaushalendra K. Bhusan
4. Chandan Kumar
5. Reshma Silky Das
6. Manisha Chathatray
7. Rashmita Padhy

#### **Sasken, Bangalore**

1. Reshma Silky Das

#### **Atos Origin, Mumbai**

2. Ambika Rani Sabat
3. Chita Ranjan Satapathy
4. Manas Ranjan Das
5. Subhra Mohanty
6. Vishakh Dutt Arya

#### **TVS Motors, Houser**

1. Sumit Kumar Parida

#### **L & T Emsys, Mysore**

1. Santoshi Prasad Sahu
2. Kunmit K Patro
3. Smaranika Behura
4. Sambeet K Satapathy
5. Balakrishna Padhy
6. Rohit Agarwal
7. Swagat Shankar Das
8. Sumeet Choudhury
9. Ansumalini Patnaik

#### **Eventcy Software Solutions, Hyderabad**

1. Leena Mekup
2. Debadatta Pattnaik
3. Pragati Botcha
4. Rohit Kumar
5. Manas Kumar Nayak
6. Chitaranjan Mohapatra

#### **Vedanta Aluminium, Lanjigarh**

1. Sumit Kumar Parida
2. Matru Prasad Das
3. Raghunath Nayak
4. Kartik Maharana
5. A.Sudepta Patro





6. Rohit Agarwal
7. Kanchan Majee
8. Manoranjan Mahapatra
9. Priyanka Mishra
10. Deepti Pudi
11. Sthita Pragnya Mahanty
12. Srikanta Patro
13. Abhijit Kabi
14. Swatika Pati
15. Priyabrata Samal
16. Preeti Gupta
17. Subhendu Sekhar Rath
18. Smruti Mohapatra

19. Rashmi Ranjan Das
20. Ravi Kiran T
21. Debashish Panigrahi

**Wipro BPO, Kolkata**

1. Debasis Panigrahy
2. Sanjeet Das
3. Debasish Panigrahi
4. Aparna Kar
5. Rohit Kumar
6. Kamal Kumari Khillo
7. Sanita Naik
8. Manzar Hassan
9. Sandeep Kumar Swain

## YOUNG SCIENTIST AWARD

**Dr. Motahar Reza**, Asst. Professor, National Institute of Science & Technology, Berhampur was awarded with the most prestigious award of the state, the *Samanta Chandra Shekhar Orissa Young Scientist Award - 2006*, for his significant and commendable contribution in the field of Physical Sciences.

Orissa Bigyan Academy organized the investiture ceremony of Samanta Chandra Sekhar Orissa Young Scientists Award for the year 2006 at Jaydev Bhavan (Soochana Bhavan), Bhubaneswar on 23<sup>rd</sup> July 2008. Hon'ble Minister for Planning & Co-ordination, Science and Technology, Shri Duryodhan Majhi graced the occasion being the Chief Guest and conferred the awards wherein 4 science writers and 2 young scientists were awarded. Our Director, Prof. Sangram Mudali and Placement Director, Prof. Geetika Mudali were also present in the ceremony with other eminent Professors of Orissa.



**Dr. Reza being awarded with the Samanta Chandra Sekhar Award**

## Quiz

**K.Venketswar Reddy**

1. In which famous Italian Island was Napoleon Bonaparte born?
2. To a gunner what is SLR?
3. Name the four Jovian (Gas planets) in our Solar system?
4. King Norodom Sihanouk is the king of which Asian country?
5. How many sides are there in a regular hepta-decagon?
6. Normally, how many great grandparents can one have?
7. Who is the only person to have two un-shared Nobel prizes?
8. Which Asian Actor is playing captain Sao Feng in the latest movie "Pirates of the Caribbean"?
9. Which comic book hero made his first appearance in "Amazing Fantasy #15" in 1962?
10. Which famous cricket player has got a nick name as "pidge" ?



## CONFERENCE, WORKSHOP, SEMINARS ATTENDED/PAPER PRESENTATION & PUBLICATIONS

**Dr. Motahar Reza**, Faculty, Department of Mathematics presented a paper, entitled, '*Momentum and heat transfer in the flow of a viscoelastic fluid past a porous flat plate subject to suction and blowing*' in the International Conference: **World Congress on Science, Engineering and Technology** held in Paris from 4-6th July 2008. He has also been selected as the Chair-Person of that Session. Dr. Reza's Conference had been financially supported by DST, CSIR (Govt. of India) and NIST.



Dr. Reza presenting a paper at an International Conference in Paris

**Dr. Reza** had also worked as Visitor Scholar at Centre of Theoretical Studies, IIT Kharagpur during summer.

Recently **Dr. Reza** has been selected as a *Reviewer* of the International Journals: *Meccanica*: An International Journal of Italian Association on Theoretical and Applied Mechanics & *Journal of Applied Fluid Mechanics (JAFM)*: It is an international, peer-reviewed journal which is under the umbrella of the Physical Society of Iran.

**Mr. Trilochan Panigrahi**, Faculty, Electronics & Communication Engineering along with Dr. Amalendu Patnaik, Asst. Professor, IIT-Roorkee got his paper, entitled "*Amplitude Only Compensation for Failed Antenna Array Using Particle Swarm Optimization,*" presented at the '2008 IEEE AP-S International Symposium on Antennas and Propagation' and '2008 USNC/URSI National Radio Science Meeting' in San Diego, California, USA.

**Mr. Abhro Mukherjee**, Faculty, Department of Electronics & Instrumentation Engineering has attended an AICTE-ISTE Short Term Course on "*Adaptive Control & System Identification Techniques*" at NIT, Rourkela from 9<sup>th</sup> to 13<sup>th</sup> June, 2008.

A Paper of **Mr. Abhro Mukherjee**, titled, *Industrial Control of Wire Drawing Systems using Smart Controllers* has been accepted for publication by the International Journal of Automation and System Engineering (JASE)

**Mr. Bhaskar Bandyopadhyay**, Faculty, Department of Management & Humanities has been selected for Participation in the *Strategic Marketing Management (SMM) Program* organized by the Stanford University Graduate School of Business, California, USA between August 10- 20, 2008. The offer will hold its validity till next year. Mr. Bandyopadhyay has been selected for the programme through a scale of 5 parameters of typical student class profile consisting of Management Function, Industries Represented, Geographic Origin, Education, Age Distribution.

**Mr. Bhaskar Bandyopadhyay**, Faculty, Department of Management & Humanities attended and presented a Paper, entitled, "*Business Intelligence – A Crucial Instrument for Competitors Analysis in order to assure Better Performance in Strategic Marketing,*" in the '*National Seminar on Business Intelligence*' organized by the Inter-Science Institute of Management & Technology (IIMT), Bhubaneswar on the 9<sup>th</sup> & 10<sup>th</sup> August, 08.

**Mr. Bhaskar Bandyopadhyay** has also attended a Management Teachers' Program- "*Foundation Course on Strategic Management*" organized by the Indian Institute of Management (IIM), Kozhikode in association with the Strategic Management Forum of India (SMFI) between 25<sup>th</sup> to 30<sup>th</sup> August 2008.





A Paper of **Mr. Bhaskar Bandyopadhyay**, entitled, *“Innovative Branding- Appy Fizz- A Case Study”* has been accepted for the International Conference on Brand Management (ICBM) 08 organised by the IMT, Gaziabad, scheduled for 21<sup>st</sup>- 22<sup>nd</sup> November, 2008.

**Mr. Sushanta Tripathy & Mr. Bhaskar Bandyopadhyay** has presented a paper titled *“Knowledge Retailing to Knowledge Creation” N.I.S.T- A case study* in the International Management Colloquium -08 on **Service-Centric Strategy: An Elixir to Dynamic Disequilibrium in the market** held on 29<sup>th</sup> & 30<sup>th</sup> April- 2008 at Hotel Presidency organized by DRIEMS Business School.

**Mr. Sushanta Tripathy**, Faculty, Dept. of Management & Humanities has presented a paper titled *“A framework of Supply Chain to Demand Chain Management in Today’s Operation”* in the Two-Day National Seminar on **STRUCTURAL CHANGES IN MARKET DYNAMICS** at R.C.E.M, Bhubaneswar on 3<sup>rd</sup> & 4<sup>th</sup> May, 2008 sponsored by AICTE, New Delhi.

**Mr. Sushanta Tripathy**, Faculty, Dept. of Management & Humanities has participated in the MHRD sponsored Short-Term course on **Statistical Modeling for Data Analysis (SMDA)**, offered by Indian Institute of Technology, Kharagpur at Vinod Gupta School of Management during June 30- July 13, 2008. He has been awarded with the best paper presentation award.



Mr. Sushanta Tripathy presenting a paper at IIT, KGP.

IEEE has accepted one of the papers of **Mr. Sushanta Tripathy** for presentation titled *“A Computational Geometric Approach for a Novel Multivariate Process Capability Index”* for the 2008 International Conference on **Industrial Engineering and Engineering Management conference** in Singapore scheduled for 8<sup>th</sup>- 11 December 2008.

## AICTE -FDP ON ORGANIC ELECTRONICS

The AICTE sponsored *“Faculty Development Program on Organic Electronics”* organized by NIST



Dr. A.K. Panda, Dean(L), Dr A.K. Padhy (R) with the chief guest.

between 23<sup>rd</sup> June- 4<sup>th</sup> July, 2008 aimed at creating awareness among the technical student community. It discussed some of the important issues regarding some of the recent developments in the fields of Chemistry & their application as Electronic devices. Resource persons from different Universities & renowned institutes such as Sambalpur University, Burla; IACS, Kolkata; IIT, Chennai; SLIET, Punjab; Utkal University, BBSR; NISER, BBSR; S.B.Rath Women’s College, Berhampur; IMMT, BBSR; IMMT, BBSR; RIPS, Berhampur; IMS; IMMT, BBSR attended the program and made it successful. The program was effectively coordinated by Dr. Arun Kumar Padhy,

Dept. of Chemistry, NIST.

## NEW RESPONSIBILITIES

**Ms. Sanghamitra Das**, Faculty, Dept. of Computer Science & Engineering has been appointed as the Coordinator of the Bioinformatics Club and the editorship of *Bioinformatika*, the quarterly magazine published by the club.

**Dr. Motahar Reza**, Faculty, Dept. of Mathematics, has been assigned with the charge of being the Coordinator, Research & Development Cell. He will be instrumental in carrying out all research related works and being a guide to faculty for research studies.



## AICTE -FDP ON POWER ELECTRONICS

The Department of EEE, NIST conducted an AICTE Sponsored Faculty Development Program (FDP) on “*Application of Power Electronics to Emerging Trends in Power Sector*” from 30<sup>th</sup> June to 5<sup>th</sup> July, 2008. Eminent experts like Dr. Sukumar Mishra, Asst. Prof. I.I.T., Delhi; Dr. K. Baisakh, Prof. A.U. College of Engineering; Dr. N.C. Padhy, Professor, I.I.T., Roorkee; Dr. R.K. Jena, Asst. Prof., C.E.T., Bhubaneswar; Dr. D.K. Mohanto, Prof., BITS, Meshra; Dr. Gayadhar Panda, Faculty, NIST, Berhampur; Dr. B.K. Panigrahi, Asst. Professor, IIT, Delhi; Er. Niranjana Sahu, Faculty, NIST, Berhampur; and Er. O.P. Suresh, Faculty, NIST, Berhampur, delivered lectures on different aspects of Applications of Power Electronics. Delegates from Sambalpur University, Burla; IACS, Kolkata; IIT, Chennai; SLIET, Punjab; Utkal University, BBSR; NISER, BBSR; S.B.Rath Women’s College, Berhampur; IMMT, BBSR; RIPS, Berhampur; IMS participated in the program. The entire program was coordinated by Dr. Gayadhar Panda.



Dr. Panda, Dean, Er. Sahani, Dr. Mishra & Dr. G. Panda (L to R) in the FDP

## INDEST facility at NIST Library

The institute’s Library has been provided with INDEST facility (IEEE online) using which the faculty and students can access all the IEEE journals, Magazines, conference Proceedings, Standard Books, Course books, & Technology Surveys, etc. online.

## Wipro Mission 10X program

The Mission 10X is an outcome of intense research conducted by WIPRO in collaboration with the academia, which includes senior academicians, students, faculty and industry members. The Wipro Mission 10X workshops focus on enhancing the capability of the faculty by honing their teaching skills and exposing them to new teaching paradigms and also encouraging them to prepare session plans & conduct classes in their area of expertise using the MXLA. A group of 11 of our faculty members, Mr. Debananda Kanhar, Mr. Asim Kundu, Mr. SMAK Azad, Mr. Mahesh Kumar Namballa, Mr. Arabinda Panda, Ms. Sasmita Padhy, Mr. Sambaran Ray, Mr. G Prasad, Mr. Rakesh Roshan, Mr. B. Sridhar, Mr. Bhagabati Prasad Pattanaik attended the workshop held at ITER, Bhubaneswar from 25<sup>th</sup> to 30<sup>th</sup> May 2008.

NIST is in the list of elite 100 colleges from all over India in Wipro’s academic-industry program.

## Bloom with DSP Audio/Video DVDs

The institute has purchased five copies of *Bloom with DSP Audio/Video* DVDs from Cranes Software, Bangalore. It contains the whole Digital Signal Processing course, and also the Advanced DSP, its architecture, etc. The duration of the video courses is around 100 hours. By the use of it, we can learn DSP effectively.

*Anyone, interested to use it can issue the DVD from Mr. Mukesh Shukla from VLSI Lab. For more detailed information, please contact Mr. Satyabrata Das.*





## MINDSPLASH !

Vijayalaxmi Mohapatra

4<sup>th</sup> Year, B.Tech, Team e\_news

**W**elcome back to the world of realities, fun and work (one wonders whether such a place really exists or not ☐ !!) and all that can be said is “**Welcome back to College ☐ !!**”. While the good old holidays really stretched long, the activities at our virtual workfield cum battlefield also seemed to be a bit sluggish. The month bygone witnessed the aftermath of the incidents that had been going on in the previous years. **The tug-of-war going on between the Biju Patnaik University of Technology (B.P.U.T.) and the students regarding the issues of students on Strike demanding reintroduction of the supplementary examinations and the suggestion of campus placements in 7<sup>th</sup> semester by the B.P.U.T.** were the most important issues concerning the student fraternity.

The B.P.U.T. had recently abolished the supplementary tests and introduced the year back system, saying these regular examinations are putting more pressure on the teachers throughout the year. However, students are not willing to buy this argument and they say that B.P.U.T.’s decision will ruin their career. Another controversial issue brewing up is the B.P.U.T.’s suggestion for bringing in campus recruitments only for students of 7<sup>th</sup> semester. B.P.U.T. has set the ball rolling to prevent companies from picking up students in the early years of their studies. Amongst the various arguments put forward by the B.P.U.T. in order to support its suggestion was that the recruitment drive, which began just after fifth semester examination, was causing a lot of distraction among students. Echoing similar opinions some teachers from various institutes have also expressed the opinion that, “We have noticed that students who get selected by companies after fifth semester examination generally don’t pursue their studies with seriousness. The other group of students, who are left out in initial recruitment drive, get depressed. Among left-out group, while some students become more determined to do well in the next examinations, another group of students make themselves ill-disciplined causing botheration for their parents.” The Vice-Chancellor of B.P.U.T. also cited the example of IITs saying, “In IITs, campus placement often takes place after seventh semester so that students complete their studies without any distractions”. The B.P.U.T. Vice Chancellor said, “I have written to vice-chancellors and principals of engineering colleges to come to an agreement over the issue. We have also on our part got in touch with Confederation of Indian Industries (CII), National Association of Software and Services Companies (NASSCOM) and other industry bodies to think on this aspect.”

These issues have drawn extreme response from the students all over the state. They are emphasizing the fact that due to campus recruitments in the 3<sup>rd</sup> year, the performance in the semesters is affected. Hence there should be the provision of supplementary examinations for students to cope up with the backlog subjects (if any) and prevent the stress of clearing all the backlogs at the end of the 4<sup>th</sup> year. Also the decision of recruitment drive in 7<sup>th</sup> semester might put the students in an extremely stressful position because while on one hand they will be scrambling to complete their B.Tech projects and on the other hand they have to work hard for scoring in the semesters.

In the current scenario of the IT industry where the emphasis is on employing the employable only, things have certainly come under a different light. Of late, software companies are scouting talents across all engineering colleges and sometimes hand over appointment letters before students complete their studies. The private engineering colleges capitalise on the size of recruitments in their campus and later publicise it to attract students. In the cut-throat competition, decision to hold back one from not allowing companies to pick up students from its campus appears to be a tough one. Also the quality of education should not be compromised. A consensus should be obtained amongst all the parties involved to reach an agreeable solution. With these two inter-connected issues having utmost impact on the career of the students, the matter should be solved with utmost consideration. After all a creditable B.Tech degree with a lucrative job is every engineering graduate’s final fantasy ☐ ☐ !!

*[Any suggestions or feedback regarding the article are welcome and can be mailed to vijaya\_126@hotmail.com]*





## FRIDAY LECTURE SEMINAR SERIES

**Date: April 11, 2008**

**Speakers**

Mr. Chandan Ku. Behera  
Mr. Rabindra Ku. Shial  
Mr. Bhawani S. Gouda  
Mr. Ranjit Ku. Behera  
Mr. Ashish Dass

**Title of Talk**

Advanced Operating System  
Pipeline performance  
Wireless Technology  
Information Technology  
Smart Note Taker

**Date: April 18, 2008**

**Speakers**

Mr. O. P. Suresh,  
Mr. Mukesh Sukla &  
Mr. Manoj Sahoo  
Mr. Trilochan Panigrahy  
  
Mr. K. Laxmi Nanarayan

**Title of Talk**

DSP-in-VLSI Design using Xilinx s/w and FPGA Board  
  
Closed-form Formulae for Analysis and Design of  
Microstrip Antennas based on Neural Network Models  
Open Source & IBM Technologies

**Date: May 2, 2008**

**Speakers**

Mr. Bhanu P. Behera  
Ms. Tanushree Dalai  
Mr. Chittaranjan Biswal  
Mr. Mukesh Sukla &  
Mr. Mittu Baral  
Ms. Tripti Mund

**Title of Talk**

Talent Management  
Wind Power & System Reliability  
Control System Engineering  
Cadence University Program  
  
Safety tips for working women.

**Date: August 1, 2008**

**Speakers**

Dr. Motahar Reza  
  
Mr. Susanta Tripaathy &  
Mr. Bhaskar Bandyopadhyay  
Dr. Smeeta Panda  
Mr. Diptendu Sinha Roy

**Title of Talk**

Momentum and Heat transfer in the flow of a viscoelastic  
fluid past a porous flat plate.  
Knowledge retailing to Knowledge creation: A case study  
  
Mineral resources of orissa and environment  
Effect of redundancy on transmission protective system:  
Effect of monitoring software reliability on digital relay for  
prediction of optimum routine test interval.

**Date: August 8, 2008**

**Speakers**

Mr. Arabinda Panda, Mr. B.P.Pattnaik  
Mr. B.Sridhar, Mr. Debanand Kanhar  
Mr. G.Prasad, Mr. Mahesh Namballa  
Mr. Rakesh Roshan, Mr. Sambaran Ray  
Mr. SMAK Azad & Ms. Sasmita Padhy

**Title of Talk**

The Mission 10 X Programme Organised by Wipro  
Technologies



## INAUGURATION of NIST Business School

National Institute of Science & Technology, Berhampur added another feather into its existing disciplines by starting the NIST Business School. The institute runs the 2 Years Full Time **Post Graduate Diploma in Management (PGDM)** with 60 seats of intake. Approved by the All India Council for Technical Education (AICTE), New Delhi & Govt. of India (Ministry of Human Resource Development), the program's courses structure is designed based on the Industry & Business requirement.

The NBS will focus on the ever changing paradigms in the Industry context and will teach students in the growing segments of the industry. The intake of the NBS is through CAT/MAT/XAT/JEE scores and performance in GD/ Interview. The NBS is housed in a separate building with 15000 sq. ft of space. It is well equipped with an exclusive computer laboratory, English Language Laboratory and Digital Library with access to latest case tools and management journals.

The NBS was formally inaugurated with the first batch joining the PGDM program on its orientation day on 6<sup>th</sup> September, 2008. Mr. Shom P Das is the Course Coordinator of the PGDM program. We wish him all the best in the efforts to make the PGDM program the most sought after in the state of Orissa.

## ORIENTATION PROGRAM FOR THE FRESHERS

The Orientation Program for the 2008 batch of B.Tech, MCA & also the 3<sup>rd</sup> batch of MBA & the 1<sup>st</sup> batch of Post Graduation Diploma in Management (PGDM) was held on 30<sup>th</sup> Aug and 6<sup>th</sup> September 2008 respectively. Prof. Sangram Mudali, Director, NIST along with the Placement Director of the Institute, Ms. Geetika Mudali; Dean, Dr. Ajit Kumar Panda; Course Coordinator, B. Tech., Dr. Arun Kumar Padhy; Course Coordinator, M. Tech., Mr. M. Suresh; Course Coordinator, MBA, Mr. Shom Prasad Das; Course Coordinator, MCA, Mr. Siddharth B Neelamani welcomed the freshers and enlightened them with their much informative, inspiring and thought-provoking talks.



Ms. Geetika Mudali (R), Placement Director, NIST welcoming the freshers

## 'REPLENIR MANTRA' by REC

The **Renewable Energy Club (REC)**, NIST organised the event, "**Replenir Mantra**" which was carried for a week in the institute premises. Students were asked to put in suggestion for a feasible power generation method using renewable sources. The Q.Terra quiz was also organised and proved to be a huge success with more than 200 participants in it. The winning teams of different events were awarded with cash amount by the chief guest, Col. Rajendran, Army Air Defence College, Berhampur in the valedictory function along with Prof. Sangram Mudali, Director; Dr. Gayadhara Panda, Coordinator, REC; Ms. Sanghamitra Banerjee, President, REC. The prize winners of Slogan Competition are 1<sup>st</sup> Prize-Shambit (2<sup>nd</sup> yr.) & 2<sup>nd</sup>-Ravideep(4<sup>th</sup> yr.), Idea Generation: 1<sup>st</sup> Prize- Birupakshya Dash (3<sup>rd</sup> yr.), 2<sup>nd</sup>-Sameer Kumar Patro & Niladri Bihari Nayak (3<sup>rd</sup> yr.)



Prof. Mudali, Col. Rajendran, Dr. Panda & Ms. Banerjee (L to R) in the valedictory func.





Yr.) & Consolation Prize-Ms. Elima Tripathy (2nd yr.), Quiz contest: 1<sup>st</sup> Prize - Gopal Kinkar Sahu & Animesh Sadangi (2nd Yr.), 2<sup>nd</sup> - Arvind Kumar Nahak & K. Narsingh Subudhi (2nd Yr.), 3<sup>rd</sup> - Byomkesh Panda & Surjya Narayan (3rd Yr.).

## M. Tech. program in Computer Science & ENGINEERING AT NIST

NIST got the approval from All India Council for Technical Education (AICTE), New Delhi to run the M. Tech. program in Computer Science & Engineering with 18 seats from the academic session 2008- 09. Admission to the program will be through the PGAT conducted by the BPUT.

## FOREIGN DELEGATION AT NIST

A Foreign Delegation comprising of high ranked dignitaries from the **Republic of Uganda**, East Africa had visited the NIST campus on 16th May 2008.

The Special Advisor to the President of Uganda on IT, the Member of Parliament of Republic of Uganda, the Managing Director of Advance Technologies (a \$70million IT company) & Mr. Pradeep Verma, MD, Knowledge Online, India had a formal interaction with the faculty members of the institute along with the Director, Prof. Mudali & the Dean, Dr. Panda, with respect to a collaboration on the opening of Jinja Institute of Technology, a premiere Post Graduate and Professional Education Institute at Republic of Uganda.



Prof. Sangram Mudali, (R) Director, NIST with the Foreign Delegates

## NEW MODULES IN OIS

Two new modules have been added to the existing Online Information System of the institute: the **Human Resource Development (HRD)** module which provides detailed information of the employees of the institute and the **Leave Management System (LMS)** module which enables the employees taking leave online in a better and smoother process.

## TECHAstra '08

A National Level Technical Symposium entitled, *Techastra '08* was organized by the Department of Computer Science and Engineering of Dr. MGR Educational and Research Institute, a Deemed University under UGC in Chennai on 17<sup>th</sup> and 18<sup>th</sup> April, 2008. Participants over 200 in number participated from all over Tamil Nadu and other states in different events. **Mr. Yusuf Siraj** of B.Tech 4<sup>th</sup> sem., NIST represented the state of Orissa and bagged 1<sup>st</sup> Prize in the Coding (Programming in C), 1<sup>st</sup> Prize in Sangfroid (Quiz), 2<sup>nd</sup> Prize in War of Wizards (Counter Strike Gaming) and 3<sup>rd</sup> Prize in Adzap (Advertising Product). He got certificates of merit and a prize money of Rs. 9000 in all.



Mr. Yusuf Siraj (R) receiving award at 'Techastra 08'



## News Desk

**Pratyush kumar Mishra**

*B.Tech, 3<sup>rd</sup> sem., Team, e\_news*

**W**ith serial blasts rocking Bangalore & Ahmedabad, followed by the discovery of 19 live bombs in Surat, the country's Intelligence agencies have been on the search for the links establishing connection in these events and searching for every bit of details that can find the responsible ones!

The left parties are still in deadlock with the U.P.A government regarding the government's motive behind hiding the details of the infamous N-deal. The government however has been continuing its marathon of actions with the inflation rising with "geometric progression" and already in the two-digit category the prices are in no chances coming down in the visible future. Inflation hasn't been the only exposure of the Governments' failure, the rising crude oil prices per barrel have been another cause of headache to the general public. With the general public within the clutches of severe tension, the futuristic idea of the TATA's has been put to a halt by the actions of TRINAMOOL chief, Mamata Banerjee standing firm on her demands of the return of land to the SINGUR farmers. Even with the governor of WEST BENGAL taking the initiative for peace talks between the TATA's and the TMC chief and review of the land areas around the plant having failed and the TATA's proposing a walkout from SINGUR, the land deadlock still continues. Another land that has been the centre of attraction has been the AMARNATH land issue. With public uprising at the peak level and the government in direct confrontation with the mass, this issue has transformed the beautiful valley of Kashmir into a valley of tear gas and violent-stricken public. While the north part continued to simmer in the heat against the government, the state of ORISSA has been transformed into the centre of communal violence as an aftermath of the murder of the seer LAXMANANANDA SARASWATI. The district of Kandhamal has been transformed to a house for numerous platoons of police personnel and army jawans and a horde of relief camps. With the district under curfew conditions people have been seen queuing up at the ATM counters and commodity centres in a unusual display of desperatism for basic supplies of life within the small period of curfew relaxation. The state government has been under heavy criticism for its failure to control the situation the riot-stricken district. Moving over to the less political events in the month, the BEIJING Olympics kick started off on the infinitesimal date 08.08.08. With an extraordinary display of hard work and dedication, CHINA put into this event all its manpower and resources to build up one of the most efficient and well organized Olympics ever conducted. The highest no of Olympic medals fell into the Chinese category. With Usain Bolt creating world records in the 100 & 200 m sprint, Michael Phelps set a new world record with 8 gold medals- the highest ever achieved by any individual. India once again fell short in its dream of Olympic glory with only four medals to its tally, the first however being a gold in the shooting, two bronze in boxing and one bonze in wrestling. Rafael Nadal lifting the Wimbledon and India winning the series against Sri Lanka have been the other major sporting events.

*pratyush07@gmail.com*

### Answers of Quiz

1. Corsica 2. Self loading rifle 3. Jupiter, Saturn, Uranus, Neptune 4. Cambodia, 5. 17, 6. eight, 7. Linus Pauling (1954 Nobel prize in Chemistry and 1962 Nobel Prize in Peace), 8. Chow yun-fat, 9. Spiderman, 10. Glen McGrath





## NIST WELCOMES

*NIST welcomes the following members to its parivaar:*

**Ms. Papri Ghosh** joined as Faculty in the Department of Electronics & Communication Engineering. She completed her M.Tech. in Material Science & Engineering with Semiconductor as specialization from IIT, Kharagpur and M. Sc. in Physics from Kharagpur University. She worked as a member, Technology Development Team in Semiconductor Complex Ltd. for 3 years and in TU-DELFT, The Netherlands in CMOS Imagers for 1 year. She has also worked as a project faculty in School of VLSI Technology, BESU for 1 year. Her research interest lies in Image Sensors, VLSI Design in Low Power, & RAD - HARD Technology.



**Mr. Debashis Dutta** joined as Faculty in the Department of Electronics & Instrumentation Engineering. He did his M.E. in Process Control from Jadavpur University and B.E. in Instrumentation & Engineering from S.L.I.E.T., Punjab Technical University. He has more than 4 years of teaching experience in Asansol Engineering College, Kolaghat; College of Engineering & Management, Kolaghat; JIS College of Engineering, Kalyani. His research interest lies in the area of Microprocessor & Microcontroller, Process Control.

**Mr. Sambaran Ray** joined as Faculty in the Department of Electrical & Electronics Engineering. He is an M.Tech. in Energy Science & Technology, Jadavpur University and did his B.E. in Electrical Engineering from Jalpaiguri Govt. Engineering College. He has also received National Renewable Energy Fellowship. Mr. Ray has more than 3 years of Teaching Experience. Nuclear Fusion Technology, Power Electronics, Electrical Energy Conversion System, Super Magnet & Super Conductor, & Robotics & artificial Intelligence are some of the areas of his research pursuits.



**Ms. Runa Kumari** joined as Faculty in the Department of Electronics & Communication Engineering. She has done her M.Tech. in Electronics & Communication Engineering from NIST, Berhampur and B.Tech. also in ECE from DRIEMS, Cuttack. She worked as a Software Trainee for one year at VOUCH Integrated Technology, Bangalore and also as a CPV Executive (East Zone Orissa) for one year at HDFC Bank. She again has more than one year teaching experience at Synergy Institute, Dhenkanal. Her research interest includes Microprocessor & Microcontroller & VLSI.

**Mr. Purnendu Mishra** joined as Faculty in the Department of Electronics & Communication Engineering. He has completed his M.Tech. in Electronics & Communication Engineering from NIST, Berhampur and B.E. also in Electronics & Tele Comm. Engineering from ITER, BBSR. He has more than 4 years of teaching experience at PIET, Rourkela; COEB, BBSR; GM College, Sambalpur. His research interest is in Communication Engineering.





**Ms. Raseswari Pradhan** joined as Faculty in the Department of Electrical & Electronics Engineering. She did her M.E. in Electrical & Electronics Engineering, Jadavpur University, Kolkata and B.E. also in Electrical & Electronics Engineering from IGIT, Sarang. She has more than 2 years of teaching experience at PKACE, Bargarh. Her research interest lies in the area of Power Systems.



**Ms. Sukanti Pal** joined as Faculty in the Department of Electronics & Communication Engineering. She has done her B.Tech. in Electronics & Communication Engineering from NIST, Berhampur. Her area of research interest is in Microprocessors & Microcontrollers.

**Ms. Manini Patro** joined as Faculty in the Department of Electronics & Instrumentation Engineering. She did her B.Tech. in Electronics & Instrumentation Engineering from NIST, Berhampur. Her area of research interest is in VLSI.



**Mr. Harikrushna Gantayat** joined as Faculty in the Department of Electronics & Communication Engineering. He did his B.Tech in Electronics & Communication Engineering from NIST, Berhampur. His research interest lies in Electromagnetic Theory & Microwave Engineering.

**Dr. Sidhartha Panda** joined as Faculty in the Department of Electrical & Electronics Engineering. He completed his Ph. D. on Power System Stability improvement with FACTS controllers from IIT, Roorkee; ME in Power System Engineering, UCE, Burla and did his B.E. in Electrical Engineering from DSCE, Bangalore. He worked as Associate Professor at KIIT University from 2007 to 2008 and also as a Research Scholar at IIT, Roorkee from 2004 to 2007. Dr. Panda had also worked as Associate Professor at VITAM, A.P.; worked as a Lecturer at SMIT, Berhampur for 8 long years. 23 of his papers have been published in different international journals to his credit. His Research Interest lies in the areas of Power System Stability, FACTS and Optimization Techniques.



**Ms. S. Geeta Madhuri**, joined as a Faculty in the Department of Management & Humanities. She did her MBA with Finance as specialization from Andhra University and B.Com. also from Andhra University. She worked as the Course Coordinator at Presidency College, Berhampur and was part of placement training activities before joining NIST.





**Dr. E. Raja Rao** joined as a Faculty in the Department of Humanities (Technical Communications). He did his Ph. D on *Contemporary Afro American Fiction* and his Master's Degree from Utkal University, BBSR. He started his professional career as a lecturer in English and was further promoted to the post of Reader under Govt. of Orissa. Dr. Rao was selected as the Professor in the Department of English of Berhampur University. After his retirement, he joined SMIT, Berhampur and is presently working at NIST. He has attended more than 50 National and International Conferences and has also produced 9 Ph.D scholars & 30 M.Phil scholars to his credit. He has been awarded with many prestigious Fellowships which includes 'Senior Fulbright Scholarship' in the University of Pennsylvania; 'Canadian Academic Fellowship' to the University of Regina, Canada; 'Indo-French Cultural Exchange Fellowship' to Paris; 'Canadian Academic Research Fellowship' to the University of Winnipeg, Canada. His areas of interest lies in English poetry, creative writing, 20th Century American fiction, Canadian fiction, Indian English fiction, Literary Criticism, Women's Writings, Marginal Literature, Human Resource Management, Post Structuralism, etc.



**Mr. Krishna Acharjee** joined as Faculty in the Department of Computer Science & Engineering. He did his B. Tech. in Computer Sc. & Engineering from RCC Institute of Information Technology, Kolkata. He worked as an IT faculty in ECIT, Kolkata for 1 year and also as a System Engineer at CMC, Kolkata for 1 year.

**Mr. Arkaprava Bhaduri Mandal** joined as a Faculty in the Department of Computer Science & Engineering. He has done his B.E. in Computer Technology from KDK College of Engineering, Nagpur. His research interests lies in the area of Biotechnology, specially in the designing field of Bio simulator in which the DNA structure is converted into the forum of software code and also the deadly viruses converted into software code.



**Mr. Saroj Kumar Rath** had joined as a Lab. Supervisor in the Computer Science & Engineering Department in the month of May 2008. He has completed his MCA degree from G.I.E.T., Gunupur.

**Mr. Jogeswar Sabat** has joined as a Laboratory Supervisor in the Department of EEE. He has done his Diploma in Electrical Engineering from S.M.I.T, Berhampur. He has one year experience in N.S.P.C.L., Rourkela under Shree Balaji Associates.

**Mr. Anil Kanta Maharana** joined as a Lab Supervisor in the EEE Department. He has completed his Diploma in Electrical Engineering from UCP Engineering School, Berhampur.

**Mr. Rai Mohan Behera** has joined as a Laboratory Supervisor in the Dept. of EEE. He has completed his Diploma in Electrical Engineering from BSET, Berhampur.

**Ms. Tanuja Patnaik** has joined as a Laboratory Supervisor in the Computer Science & Engineering Department. She has done PGDIT from Khalikote Autonomous College, Berhampur and continuing MCA from Sambalpur University.

**Mr. Sushanta Tripathy** and **Ms. Manaswini Misra** received the *Best Costume Award* during the Annual Cultural Program of the institute, *Waves 2008*. Dr. Ajit Ku. Panda, Dean gave away the prizes.



## PATIENCE - With A PURPOSE

**Dr. Sisira Kanti Mishra**

*Dept. of Management & Humanities*

*“Patience is the ability to wait without experiencing anger, anxiety, or frustration.”*

In the last 20 years or so, literally thousands of books have been published on success and personal development. Almost every possible emotion and experience has been explored and analyzed. Yet one of our most common experiences in the modern world has yet to get the attention it deserves — especially since it’s not only very common, but also very difficult. It’s the experience of waiting. Not a day goes by, and usually not even an hour, when we don’t face the considerable challenge of waiting for something or somebody like waiting at a traffic light, waiting in a checkout line, waiting for a job interview, waiting in a doctor’s office and so on. The list could go on and on and those are just the relatively harmless forms of waiting. It’s very probable that you can think of other instances that are much more challenging, and even frightening.

Yes, there’s a lot of waiting in our lives, and a lot of difficulties that go with it. The purpose of this writing is to give you some tools for handling that very pervasive experience with good humor, with class and most of all with patience. Patience is the one absolutely of essential necessity for dealing with waiting. Now that may sound obvious, and very often you take actions in order to shorten the waiting process, but sometimes there’s just nothing you can do except .... to wait. A situation like that can be very, very difficult unless you’ve developed a capacity for patience. Even if you have developed that capacity, it can also be very difficult to be around someone else who lacks patience — whether it’s a colleague at work, a family member, or the guy behind you who keeps honking his horn. So let’s look at developing patience in yourself — and also fostering it in the people around you.

The first thing to notice about that definition of patience is that it’s entirely an internal process. It’s subjective rather than objective. In other words, you can’t put patience on a scale and weigh it, you can’t add it up like a bank account, and you can’t put it in your pocket and take it out when you need it. In many cases, you can’t tell whether people are patient or impatient just by looking at them. Someone sitting next to you in a waiting room may be seething with impatience, but all you see is a man leafing through a magazine. In the same way, when that man looks over at you he may see a perfectly placid individual. Little does he know how furious you are that the dentist is running late!

Since patience is an internal experience, here’s an internal process for developing it. Grasp a very simple fact: When your ability to control external events is limited or nonexistent, you must learn to control your inner responses. You must learn to control your anger and your frustration and your anxiety. And the good news is, those responses are always within your control, no matter what’s happening in the physical world.

Here’s a quote that will help to clarify this: “We could never learn to be brave and patient if there were only joy in the world.” The person who said that was Helen Keller, who of course could not see, could not hear, and could not speak as a result of a childhood illness. Obviously, her life was not one of only joy — but she chose to see the absence of joy as the means for developing other capacities. Because she faced unhappiness, she learned to be brave and patient. She was not saying that the absence of joy was a good thing, but she was saying that some good things came out of it. That was her internal process.

As you may know if you’re familiar with Helen Keller’s story, she did not come to this state of serenity very easily. As a child, she was like a wild animal, furiously lashing out at everything around her. She learned to be patient the hard way, only after she had exhausted the other alternatives.





Thomas Edison must have been one of the most patient people who ever lived. It's interesting that, like Helen Keller, he had a physical handicap in his deafness. Maybe this taught him to accept what he couldn't change. But he had developed an almost supernatural ability for patience in his work. Edison didn't use conventional scientific methods. He progressed by simple trial and error. It's said that when he was developing filaments for the first incandescent light bulb, he tried more than seventeen thousand materials before he found one that worked. How did he do it? Edison used a method similar to what we've just discussed. He didn't just passively absorb one failure after another, nor did he start throwing things against the wall. Instead, he turned the situation into a challenge, or even a game. If he tried using the skin of a potato in his light bulb and it immediately burned to a crisp, he managed to see this as a discovery in itself. He didn't say, "I still haven't found something that will work"; he said, "I've found one more thing that doesn't work." He didn't get depressed; he went on to the next thing. It just got better from there!

That's class and for most people it doesn't come easily. In a sense, it's not really natural. Suppose you want to train a laboratory rat to press a button in order to get a bite of food. Suppose you give the rat a full year to solidify that behavior. Every time it pushes the button it gets food, month after month. It happens thousands of times. But then one day, instead of getting food, the rat gets a mild electric shock when it presses the button. After thousands of positive experiences pressing the button, how many times do you think the rat will need to press it before it totally gives up and is ready to starve to death? The answer is, only three times. At that point, it either starts running around the cage like mad or it just sits there passively.

There's a big difference between we people and a lab rat. Use the tools here discussed and you can turn pain into patience, and patience into positive change. Many years ago the philosopher Reinhold Niebuhr wrote the words that have come to be known as "the serenity prayer":

*God grant me the serenity  
to accept the things I cannot change;  
courage to change the things I can;  
and wisdom to know the difference.*

If we sincerely desire to be a more patient person, we shouldn't forget what is read here. We have to live in accordance with it.

***If you want to be an unforgettable person, teach it to other people.***

## ALUMNI PAGE

### **Alumni Meet at Bhubaneswar**

The NIST Alumni Association had organized an Alumni Meet at Bhubaneswar with a purpose of Launching the NIST Bhubaneswar Alumni Chapter. Prof. Sangram Mudali, Director emphasized on the importance of the Chapter which would act as a portal to get the members updated with the recent happenings at NIST; Dr. Ajit Kumar Panda, Dean suggested certain tips towards the improvement of the Chapter; Dr. Arun Kumar Padhy, Coordinator, NIST Alumni Association spelt out the terms and conditions of being a member of the association and made everybody aware regarding the 'NIST Scholarship Fund'. Ms. Geetika Mudali, Placement Director, NIST; Ms. Sumitra Ojha, Secretary, NIST Alumni Berhampur Chapter along with other members of the association were also present in the Meet. Mr. Pranab Mishra, 1997 Batch Alumni and Mr. Anurag Mohapatra, 2002 Batch alumni had been elected as the President and Secretary of the Bhubaneswar Chapter respectively. The Meet ended with a sumptuous dinner.



## FROM Mailbox

**From:** danishkumar.hotta@credit-suisse.com  
**Subject:** Hello Panda Sir

**To:** akpanda62@hotmail.com  
**Date:** Fri, 20 Jun 2008 11:44:19 +0800

Sir,

Hope everyone's doing fine there . I belong to 2001-2005 ECE batch, and still remember my id as EC200117169. Presently I work directly with Credit Suisse, Singapore as a Hyperion Consultant. As I normally do, I was going through the nist e-news. It was my utmost pleasure to discover the achievements at the door step of NIST. From a single building where we started, it's a long journey to huge infrastructural developments. Congratulations to all NISTIANs. I was too happy to find that many students are now qualifying the JLPT exams. We being the first batch, it was so difficult for us to even think about clearing it. But I remember the efforts given by Shantanu Mukherjee Sir, in pushing all the students for showing their interests in Japanese. Hats off to him and the students efforts. At the same time, a small suggestions to all the upcoming engineers, since we all know, that engineers from India have been flying to all corners of the world, it's a boost to your career to know some foreign languages. I hope going forward, Nist is going to introduce some more foreign languages in the curriculum. I again say, I am proud to be a NISTIAN!!!!

Danish Kumar Hotta  
Corporate Systems IT | Credit Suisse | One Raffles Quay | SINGAPORE

**From:** ebsubudhi@gmail.com  
**Subject:** about team robotics

**To:** smudali@hotmail.com  
**Date:** Sun, 31 Aug 2008 09:18:01 -0700

Respected Sir,

I am E Balaji Subudhi (2008 passout b.tech student) started a company named Team Robotics to spread the beauty of robotics around the nation(especially in Orissa). As you told us in our 1st day at NIST that be a job provider rather than job seeker , so we started this . We want you to be our adviser so that with your advise we can move forward and with your blessing we can achieve our success. Sir first of all I need a message from you which I can publish in my brochure . waiting for your reply & blessing with regards E Balaji Subudhi Family Team Robotics

*NIST Alumni Association pays its sincere gratitude to all the donors for their contribution towards the 'NIST Alumni Scholarship Fund' & expects the same noble gesture from other alumni. Dr. Arun Kumar Padhy, Coordinator of the Association, may be contacted for any information regarding donations.*

### **BIRTHDAY BASH** (16 SEP-15 OCT)

Ms. Sonali Prava Dash	18-Sep.
Mr. Sushant Tripathy	24-Sep.







# SANKALP<sup>US</sup>

*"Futurising" the present...*



Get ready for

**SANKALP EXPERIENCE!**



*Futurising on  
26<sup>th</sup>, 27<sup>th</sup> & 28<sup>th</sup> September*

# MEMORIES - SANKALP '07



*Award of excellence*



*Robostormz '07*



*Dance & Masti*



*Rhythm of Life*



*Human Chain*



*Presentation*

*and the Journey Continues...*