From the Director’s Desk

Sankalp 2009 once again demonstrated that NIST ISTE chapter is one of the most versatile organizers of any such mega technology event. Robotics, VLSI, Renewable Energy, Online Gaming, C-Programming, Quiz, Paper Presentations, Management Games, Electronic Projects – every technology was on display. I congratulate the NIST team on their retaining the SANKALP championship. I am sure the electrifying invited talks by Prof C P Singh, Dr. Ashok Das and the wisdom of the Panel Discussion will stay in our memories for a long time. A special congrats to the NIST quiz teams on their superb performance.

The campus has been the hotbed of a number of FDP programs – NIST has the largest number of FDP programs granted by the AICTE in this academic year amongst all colleges of Orissa. The research and development efforts of NIST faculty have been recognized at an all India level. It is extremely heartening to know that NIST is now partnering with IIT, Kharagpur, on the VIRTUAL LABS project – a prestigious national project of MHRD.

We spent an entire day listening to folks from Knowledge Factor India about a new concept based on Confidence Based Learning (CBL) pioneered by a few professors from USA. Prof. Brain Webster, Prof. Agarwal and Prof. P K Mishra demonstrated the CBL Approach and have agreed to have NIST collaborate with them in development of course materials for the BPUT curriculum. I am excited by the development since it opens up avenues to have individual-oriented learning programs whereas our traditional system of education has always seen the entire class as one whole entity. More on this later!

November and December – semester exams are here. Wishing you all the best.

Sangram Mudali

From the Editors’ Desk

To start with, it would be a criminal offence if the heroes of Sankalp-09 are not allowed to take the first of our thoughts. The dreams of around 2000 techno-management students were rephrased during the ‘3 days-30 events-3 lakhs rupees of prizes’ extravaganza. The campus not only felt its floors boiling with hot debates, very informative workshops, noisy panel discussions, maddening robostorms and deafening sound thrills of the DJ, Notorious but also eye-witnessed the talent and brilliance of thousands and thousands of students both in seriously intense and joyously frolic domains. The galore of events hosted by the Sankalp Team of NIST gave every individual an opportunity to prove their stance and win away the laurels from the rest. There is no doubt about the standards set by this batch in its performance, but praiseworthy would be the batch which would take up these standards and would take them to newer heights in the Sankalp next.

Congratulations to Team Sankalp for winning the Champions’ Trophy for NIST for the second time in a row!

Go Green is the mantra of the present time. The ‘infertile-land-made-lush-green campus’ at Palur Hills is an eyebrow-raising example of the consistent effort put in by the entire NIST community which has been able to create a new myth that ‘a heaven could be created out of the hillock’, and thus has established the dictum that ‘myth is the reality.’ It proves that at NIST things are different. So is with the students’ future scenario viz-a-viz the fluctuating market during the financial crunch. When the entire engineering force is panic about the job market, NIST is very composed in making its students future ready. With the addition of M. Tech program in Electrical Engineering, the Institute steps ahead in securing the unpredictable tomorrow of its young promising students. So let’s join our hands together in bringing that lustre of green to our career and future as well.

[Views, comments or suggestions are welcome at editorsnistenews@gmail.com]

Amrut Phalguni Mohanty
Dipti Ranjan Lenka

National Institute of Science & Technology, Berhampur, 761008
AICTE Sponsored SDP on ‘Recent Trends in Electrical Drives and Power Electronics’

The Dept. of Electrical and Electronics Engineering, NIST organized an AICTE sponsored Staff Development Program (SDP) on ‘Recent Trends in Electrical Drives and Power Electronics’ from 12th to 17th October 2009. With fast developments in semiconductor technology, high performance power electronics devices and signal processors are getting commercialized regularly. Consequently power electronics, machine drives and power systems technology are advancing very fast. So there is the necessity of updating the knowledge with state-of-the-art developments in these fields. This training program enabled the participants to update their knowledge, and to target research problems in power electronics, machine drives and power systems. Participants were provided with adequate exposure to modern equipments of power electronics laboratory and different simulation softwares. Resource persons like Dr. G. Tulasi Ram Das, Dr. P. V. N. Prasad, Dr. K. Vaisakh and others from reputed institutions like IITs, IIITs, NITs, Andhra University, Jawaharlal Nehru Technological University, Osmania University, National Institute of Science & Technology, R&D organizations, and Industries delivered lectures in different sessions on the areas like Modern Power Electronics Devices, Converters 1Ø, 3Ø AC to DC Converters, DC to DC converters, Choppers, Buck, Boost, Buck Boost, Cuk converters, Resonant converters, Inverters, Multi level Inverters, Advanced PWM techniques for Inverters, DC Drives with converters, Closed loop operation, Simulation, AC Drives: IM drives, v/f control, vector control, DTC, SM Drives, PMSM, BLDC, Non-linear control, Neuro-fuzzy control, and Soft computing methods for parameter estimation. Delegates from different institutions of the country participated in the said program. Mr. G. Prasad along with the entire EEE Dept., NIST coordinated the program.

Conferences/Seminars/Workshops Attended

Mr. Bhaskar Bandyopadhyay, faculty, NIST Business School, has presented a paper, titled, “Effectiveness of the Business Counseling Centre (BCC) as an essential instrument for Sustainable Rural Development through Women Empowerment with special reference to the Swa-Shakti Project in Jharkhand (World Bank- HFAD-Govt. of India)” in the ‘International Seminar on Sustainable Development of Rural India,’ organized by the Invertis Group of Institutions, Bareilly, U.P., on 10th & 11th October 2009. More than 30 national & international participants joined the program. Dr. Upali Mahanama, Marketing Consultant, Srilanka was the Chief Guest in the inaugural ceremony. Prof. (Dr.) S. P. Singh, HOD & Dean, Management Studies, Gurukul Kangra University, Haridwar, Prof. (Dr.) Usha Kiran Rai, faculty, Management Studies, BHU were some of the resource persons with others in the program. Mr. Bandyopadhyay also performed as a rapporteur in a session and chaired a session where around 20 papers were presented.
Mr. Atanu Dutta, Mr. Debananda Kanhar and Mr. Goutam Ganguly, faculty members, Dept. of Computer Science and Engineering attended a two-day workshop, ‘Insight Ver 2.0,’ organized by Infosys for CSE faculty members of the top Engineering Institutes of Orissa & West Bengal, at Bhubaneswar DC on 14th & 15th September 2009. The workshop focused on some of the challenges that the faculty members might be facing in their teaching endeavours while exploring the ever dynamic and changing landscapes of technical education.

**NIST faculty as Resource Persons**

A team of faculty members from NIST Business School and Apex Institute of Technology & Management, Bhubaneswar took part effectively in imparting training on “Inducing Management Skills to Agriculture Extension Officers,” organized by the Office of Minor Irrigation & Water Resources from 3rd – 7th August 2009 under the Department of Agriculture, Govt. of Orissa at Bhubaneswar. A team of 30 participants attended the program.

**Mr. Ratnakar Mishra, Mr. Bhaskar Bandyopadhyay and Dr. B. Pawan Kumar,** faculty members, NIST B-School took up the sessions like Leadership (individual & group), Transactional Analysis, Time Management and Performance Appraisal respectively. **Mr. Bhanu Prasad Behera and Mr. Tirtha Mohanty,** faculty members, Apex Institute, Bhubaneswar took up the sessions like Personality Development, Assessment and Team Building.

Being the first ever attempt to be successful in the area of consultancy, NIST faculty maintains its high performance and excellence.

**Thursday Lecture Seminar Series**

**Date : 03 September 09**

<table>
<thead>
<tr>
<th>Speakers</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. J. Majhi, Emeritus Professor</td>
<td>Nanoelectronics</td>
</tr>
<tr>
<td>Mr. Saurabh, B. Tech., 7th sem.</td>
<td>Study of Passive and Illuminated Microwave Imaging Systems</td>
</tr>
<tr>
<td>Dr. Purna Chandra Biswal</td>
<td>How to Publish A Good Book</td>
</tr>
</tbody>
</table>

**Date : 10 September, 2009**

<table>
<thead>
<tr>
<th>Speakers</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr. Pradyumna Kumar Patra</td>
<td>Application of Microwave Antenna</td>
</tr>
<tr>
<td>Dr. B. Pawan Kumar &amp; Mr. Suressh C. Patnaik</td>
<td>Interpersonal Communication Strategies</td>
</tr>
</tbody>
</table>

**Date : 17 September, 2009**

<table>
<thead>
<tr>
<th>Speakers</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr. Trupti Ranjan Lenka</td>
<td>Indian Nanoelectronics Users Programme</td>
</tr>
<tr>
<td>Mr. Pandab Patro</td>
<td>Turning up the Heat on the Future – Global warming</td>
</tr>
</tbody>
</table>
**Saturday Activity Session by NIST B-School**

The Saturday Activity Sessions have platformed corporate talks from eminent personalities in different walks of life, for the month of September. The MBA & PGDM students were enlightened by the inspiring talks of the speakers on the existing challenges and opportunities prevailing in the market. The speakers shared their experience with students and imbued them to prepare themselves for the job interviews and upcoming placements.

<table>
<thead>
<tr>
<th>Date</th>
<th>Speaker</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>05 September 2009</td>
<td>Mr. Sisir Sahu, Branch Manager ING Vysya Life Insurance</td>
<td>Third Eye</td>
</tr>
<tr>
<td>12 September 2009</td>
<td>Mr. Murali Krishna, Deputy Director, Data- Inputs Capital IQ, Hyderabad</td>
<td>Services in India</td>
</tr>
<tr>
<td>19 September 2009</td>
<td>Mr. Rasmi Ranjan Patra, C. A. &amp; Mr. Sinto Goswamy, Sr. Sales Manager, AVIVA Life Insurance</td>
<td>Financial Crisis and India</td>
</tr>
</tbody>
</table>

**Inauguration of NIST AD Club**

NIST Business School launched the ‘NIST AD Club’ as a part of its infrastructure to boost the professional interest of the student fraternity. The club intends to brush the skills of the students in the area of marketing and advertising, to give corporate exposure to the students, to acquaint them with risks & challenges in advertising and marketing industry and its management, to train them on the required skills as multimedia, filmmaking, jingle writing, advertisements’ concept writing, and also aims at taking the consultancy for the zonal advertisings and related training courses on the specialized areas in the future. The club was inaugurated formally on 10th Sept 2009 with its punch line, ‘Creating from Recreations’. The Club initiated its venture by conducting events like, *Wiz-Ad*: giving a pose with a product as a print ad and giving a suitable tag line for the same, and *Mr/Ms Adgenic*: the most photogenic personality to be selected with the product. Mr. Kumar Srikant Nayak, Faculty, Dept. of Management Studies, and Mr. Bhagabati Prasad Pattnaik, Faculty, Dept. of Electrical and Electronics Engineering are the Coordinators of the Club.

**NRC organized a Robotics Workshop**

NIST Robotics Club (NRC) organized a Robotics Workshop, ‘VISIONTRIX’ in association with The Robotics Institute (TRI), Mumbai on 19th & 20th September 2009. The workshop was based upon MATLAB-based vision sensing and image processing, and applying them in the field of Robotics. About 102 students from NIST and Apex Institute of Technology and Management, Bhubaneswar participated in the 2-day Workshop. Mr. Saurabh Gandhi and Mr. Rahul from TRI were the resource persons for the event. The workshop was organised by Mr. Nihar Ranjan Sahu and Mr. Swagat Kumar Samantaray, Faculty Advisors, NRC along with the final year student members of the Club. Each of the participants received a kit of ‘Viz-Bot’ along with the participation certificate.
A workshop on ‘Confidence Based Learning Solutions for Engineering Curriculum’ was organised at NIST on 8th October 2009. Around 60 delegates from different engineering colleges participated in the program. Prof. Brain Webster, USA, Gokul Agarwalla, USA, Dr. Prashanta Mishra and Mr. Venudhar Bhatt, India, being the resource persons from Knowledge Factor India presented the unique module of improving the education process and its quality in India so as to produce the knowledge workers of tomorrow that India needs to become an economic superpower. The workshop aimed at an innovative approach of teaching:

- To identify individualized knowledge gaps using a unique method of measuring each student’s knowledge level and its quality
- To resolve knowledge gaps that are identified in a personalized way
- To increase student retention of knowledge 3 to 5 times longer than traditional learning methodologies
- To increase students’ confidence in their knowledge
- To empower the faculty in many different ways for delivering quality instruction, personalized feedback, progress monitoring
- To support the faculty by also providing a library of quality rich multimedia assets for use in the classroom
- To provide much needed periodic student progress and performance information to the management and help monitor effectiveness of education process on demand.

Orientation of M. Tech. Program

The Orientation for Master of Technology (M. Tech) Program in Electronics and Communication Engineering, Computer Science and Engineering and Electrical and Electronics Engineering for the batch of 2009 was organized by the Institute. Prof. Sangram Mudali, Director, Ms. Geetika Mudali, Placement Director, Prof. Niranjan Das, ECE, and Mr. M. Suresh, Course Coordinator, M. Tech. Program welcomed the fresh batch of M. Tech. students to NIST family and made them aware of the importance of M. Tech. and scope of research activities.
Faculty listed in ‘Who’s Who in the World’

Dr. Abhijit Datta Banik joined as faculty in the Department of Mathematics. He did his B. Sc. and M. Sc. in Mathematics from Jadavpur University, West Bengal. He has been awarded with the Ph.D. degree on “Analysis of vacation and non-vacation queues under Markovian arrival/service process” from the Department of Mathematics, Indian Institute of Technology, Kharagpur. Before joining NIST, he served as Post-Doctoral Fellow at the School of Technology and Computer Science, Tata Institute of Fundamental Research, Mumbai, and INRIA (IRISA), Campus Universitaire De Beaulieu F-35042 Rennes, Cedex, France. His research interests include Continuous-time Queuing Theory and its applications. He has published more than 10 research articles in International Journals.

Mr. Durga Prasad Dash joined as faculty in the Department of Electronics & Communication Engineering. He did his B. E. from Institute of Engineers (India) and M. Tech. from Malnad College of Engineering, Hassan, under Visweswaray Technological University, Karnataka. He worked as Hardware Engineer at VXL eTech, Bangalore, and at MRO-Tech Ltd., Bangalore. He also served at Synopsys Software India Pvt. Ltd. as a senior member technical staff. His research interest lies in the areas of VLSI Design (front end), and Digital System Design.

Ms. Pragnya Parna Khamari joined as Laboratory Supervisor in the Department of Chemistry. She has done her B. Sc. from Godavarish Mahavidyalaya, Banapur, Khurda. She has also done the Post-Graduate Diploma in Computer Applications from the same college.

Ms. Santi Lata Sabar joined as Medical Staff in the Institute’s Dispensary. She has done the Home Nursing Training from the Institute of Medical and Technological Research, Bhubaneswar. She has 5 years of nursing experience at Paradise Nursing Home, Berhampur.

Mr. Dibya Singha Nayak joined as staff. He is a graduate from D. K. N. College, Eranch, Cuttack. He has done computer course, Tally (9.0) from Global Institute, Cuttack.

NIST e_news wishes all of you a great career ahead...
Winning in downturn – 7

Mr. Ratnakar Mishra
Faculty, Department of Management

(Keywords: Recession, Real Estate)

The irresponsible behavior of the so-called mandarins of American corporate houses to give generous bonuses to themselves at the expenses of the common stakeholders reflected the contemptuous attitude of these people. Even the effort of these actors to loosen the system was highly condemned by the world leaders. When it was on its way to engulf the entire world fortunately the growth of BRIC countries stood on its way and saved the world and was proved instrumental to revive the damage and changed the mood in the market. The 7% GDP growth in India is now regarded as an end of recession. A lot of military and other ancillary purchases by the Indian setup from the American world now helping them to see an impressive 3.2 % growth in the second quarter ending September 2009. People are now seeing growth in their domestic market and also our market is equally jubilant which can be easily read in the news of top company’s resumed hiring process and so on. The 452 companies that have so far declared their audited financial results for the quarter ended in September have posed a healthy 28.5% rise in net profit and 3 % growth in their net sales. The growth is not equal for all the sub-sectors and also the sector wise analysis shows an unhealthy trend of tilting of growth towards service sector despite all efforts by the Government in way of subsidies and pro people schemes in agricultural sector.

Henceforth the major sectors will be given thrust for our discussion including their current status, plans, challenges etc..

Real Estate

Early signs of recovery are witnessed in this sector despite its worst performance during the recession. Price cuts in several projects and delay in big projects like the one in Orissa’s Info city – 2 by DLF spelt doom for the sector. However the festive season brought some good news for the sector. Like Nano cars, the current idea for Nano houses may be taken as boosters for the sector. The increasing job security and affordability coupled with bank’s low interest rate are helping this sector to come back to mainstream. The slowdown hit the market shortly after the Navaratri- Diwali season 2008 after registering the usual 30-35 % upsurge in sales typical of the period. Sales increased 25-30 % this time around and is significant as this is the first upsurge in demand after a prolonged downturn.

Valuation (after the second audited result till September 2009)

<table>
<thead>
<tr>
<th>FY 2010(E)</th>
<th>Market price</th>
<th>Sales(in crores)</th>
<th>Operating profit</th>
<th>Net Profit</th>
</tr>
</thead>
<tbody>
<tr>
<td>DLF</td>
<td>454.7</td>
<td>7390</td>
<td>3890</td>
<td>2390</td>
</tr>
<tr>
<td>Unitech</td>
<td>98.65</td>
<td>3380</td>
<td>1710</td>
<td>1080</td>
</tr>
<tr>
<td>HDIL</td>
<td>376.4</td>
<td>1321</td>
<td>532</td>
<td>365</td>
</tr>
<tr>
<td>IBREL</td>
<td>276.3</td>
<td>389</td>
<td>83</td>
<td>139</td>
</tr>
</tbody>
</table>

Source: analyst estimates – BS.271009.

It is expected by the experts that improvement in profits will depend on the future projects. As a lot of projects are on hold by the major developers in India it may be a little early to predict good. Another turning point is the price hike of all the projects. The lower price of the projects are the tumbling blocs to fight with. But the recent developments in Metros where the developers are now offering properties without any discount and freebies such as stamp duties and registration charges. At first it was witnessed in the luxury and semi-luxury segments but
now evident in all other categories too. A good example is DLF’s Capital Green project in Delhi. DLF increased the price at Phase-2 to Rs. 6750 per square feet in September 2009 which is at 30 % premium to those in Phase-1 in April 2009. The housing segment of the real sector is now seemed to have strong hold but the retail and commercial space which is still reeling under over-supply will take another two quarters to show growth.

The current belief is that while the demand from domestic corporate has started to firm up, IT/ITES demand is likely to remain subdued. The projects cost in commercial and retail sector is largely dependant upon acquiring office space by these IT players so once the IT sector stands firm, the real state sector also will grow up. The work for Fortune Tower – 2 and Info city-2 at Bhubaneswar will show how the real estate is gearing up.

**Infosys ‘SPARK 2009’**

Around 200 NIST students from both B. Tech 5th semester & MCA 3rd semester attended the ‘SPARK 2009’ - the industry-academia interaction program, organized by Infosys Technologies at Bhubaneswar DC on 12th September 2009. The one-day program was designed to enable students to assess their industry-readiness while exposing them to the best-in-class technology environment. Spark 2009 helped in raising the aspirations of the students to a new high, by making them walk through the inspiring Infosys stories, introducing them to the world class enterprise solutions in the banking and financial sectors, exposing them to the trends in the banking business while outlining the role of technology and helping them understand and employ effective project management techniques. The students were accompanied by Dr. Sudhir Kumar Panigrahy, Mr. Atanu Dutta, Mr. Devananda Kanhar, & Mr. Nihar Ranjan Sahu, Faculty Members, NIST.

**Sankalp-09**

The Annual Technical Symposium of ISTE Student’s Chapter, Sankalp-09 held at NIST on 14, 15 & 16 October 2008 witnessed a conglomeration of young technocrats of various technical institutes of the country. It was most appropriately powered by the punch line- ‘Rephrasing dreams’ which, perhaps, best illustrated its resolve to attain quality and tap the intellectual technical acumen. This was the 7th version of the original theme since its inception in the year 2003. Since then the voyage has been propelled with the true spirit and energy of teamwork, coordination and determination. Ignited minds needed a catalyst for engineering the original ideas and sustaining the thirst for knowledge, which was well provided by the Honourable Director, Prof. Sangram Mudali who set the tone of the event in his opening speech. The following delegates made their august presence felt in the opening ceremony: Dr. C. R. Pradhan, CMD (I/c), NALCO as the Chief guest and Dr. G. Tulsi Ramdas, Director, Academics and Planning, J.N.T. University, Hyderabad as the Guest of Honour.

This year Sankalp had its own domain with the launching of its website (www.sankalp09.com) which previously was under the domain of www.nist.edu. Participants displayed great affinity towards the newly introduced events like King of Computers (Kanisk) and New Software Handling (Abhinavam).
Highlights of the symposium are as follows:

Human Chain -
The human chain, organised by Club INNOVA, declared the opening of Sankalp-09 shortly after the inaugural ceremony. The chain that extended from the Lecture Hall Complex towards the Octagon consisted of all the dignitaries present on the occasion along with the faculty members and students who passed on the sacred symbolic torch from one end to the other.

Workshops
<table>
<thead>
<tr>
<th>Resource Person</th>
<th>Organization</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. C. P. Singh, VP,</td>
<td>Praxis Business School, Kolkata</td>
<td>Manager 2.0-Managers of the future</td>
</tr>
<tr>
<td>Dr. Ashok Das</td>
<td>Sun Moksha, Bangalore</td>
<td>Green Technology-A future perspective</td>
</tr>
<tr>
<td>Mr. Himanshu S. Khatua</td>
<td>KIIT University, Bhubaneswar</td>
<td>Film making.</td>
</tr>
</tbody>
</table>

Panel Discussion

TOPIC: “Mushrooming of Engineering and management colleges in Orissa- a boon or a bane.”

Eminent delegates for the discussion were:

1. Dr. Dhanada Mishra, Chairman, Human Development Foundation.
2. Prof. Bhabani Prasad Ratha, BU
3. Mr. Alok Jena, Renowned Politician
4. Mr. Rabi Dash, OPECA
5. Ms. Vashali Padhi, MBA student, NIST
6. Ms. Stuti Pandey, B.Tech student, NIST
Award of Excellence

Every year NIST felicitates and honours an individual who has excelled professionally and has contributed substantially towards the service of the humanity, especially extending help and support towards the poor and the needy of Southern Odisha. The Award of Excellence this year has been conferred on the Former Chief Minister of Odisha, Honorable Dr. Giridhar Gamang for his outstanding contribution towards his much acclaimed charitable activities, for his commitment and intense devotion for developing the tribals and for bringing innovation to the musical world, and, thus, making himself a role model for the younger generations.

DJ Nite

DJ Notorious from Mumbai rocked the dance floor on the second nite with its sensational dance tracks which has left its hangover till days after Sankalp.

The DJ not only made the students mad with its sizzling numbers but also sensitized the faculty members to shake their legs and hip-hop to the tunes of the nite.

Valedictory Function

Dr. Suman Bhatacharya, Head, Training Division, Delivery Manager, ILP, TCS, Bhubaneswar graced the Valedictory Function as the Chief Guest along with Prof. Sangram Mudali, Director, Dr. Ajit Kumar Panda, Dean, and other faculty members. The celebration of three days came to a close with the distribution of prizes to the winners of various competitions.

The DJ not only made the students mad with its sizzling numbers but also sensitized the faculty members to shake their legs and hip-hop to the tunes of the nite.
**Prize Winners**

**PATRAROCHKA- (Paper Presentation)**

EIE/EEE-  
Aakash Banerjee (NIST)  
Deepak ku. Mishra (NIST)

MBA-  
Kewal Krishna (NIST)

ECE-  
Md. Ashraf Adil (NIST)  
Shabaz Sarik (NIST)

CSE/IT\MCA-  
Soumya Sukanya Rath (NIST)  
Minakshi Sahu (NIST)

**PARAS- (Junk Sense)**

1st -  
D. Ankit (NIST)  
Deepak ku. Nayak (NIST)

2nd-  
Nitesh Rath (NIST)  
Bikram Nayak (NIST)

**ARTHASHASTRA (Share Market)**

1st-  
Anish kr. Bamwal (NIST)

2nd -  
Saroj ku. Singh (NIST)

**ABHINAVAM (New Software Development)**

1st -  
Shubhendu S. Behera (NIST)

2nd-  
Arup Nayak (NIST)

**TARKASHASTRA- (C Programming)**

1st-  
G. Madan Mohan (NIST)  
K. Jagan Mohan (NIST)

2nd-  
Prithviraj Subudhi (NIST)  
Swadesh Nayak (NIST)

**NACHIKETA(CORE) - (Tech Quiz)**

1st-  
Durgaprasad Sahu (NIST)  
S. Nitesh (NIST)

2nd-  
Prithviraj Subudhi (NIST)  
Aakash Patra (NIST)

**NACHIKETA(IT) -**

1st-  
Jayendra Saran (NIST)  
Anik Mohanty (NIST)

2nd-  
Kartik Raju (NIST)  
Amrit Sahu (NIST)

**AAVEGA-**

1st-  
Sai Nageshwar (NIST)

Sai B. Sachidananda (NIST)

2nd-  
Rakesh Bihari (NIST)  
Prabhat Ku. Sahu (NIST)

**WAKRITWA-**

1st-  
Abhinash Patro (NIST)

2nd-  
Abhisekh Satpathy (OEC)

**WEB-KRITI -**

1st -  
Anand S. Sahoo (NIST)  
Prabhat Ku. Sahu (NIST)

2nd -  
Debasis Mishra (NIST)  
Simanchala Panigrahi (NIST)

**KHYUDRAKRITI-**

1st -  
Pranay Raj (NIST)

2nd -  
Chinnaya (NIST)  
Subasish Kumar (NIST)

**LAGHUKRITI-**

1st -  
Raj Kumar Mandal (NIST)

Asutosh Ranjan (NIST)

2nd -  
Gautam Kumar (NIST)  
Asutosh Tripathy (NIST)

**KANISHK-**

1st -  
Dr. Ajit ku. Panda (NIST)

2nd -  
C.S Jha (NIST)
**nist e_news**

- **LASHYA-**
  - 1st- NIST dance group.

- **SHREYAS-**
  - Mr. Sankalp- Sandeepan Patro (RIT)
  - Ms. Sankalp- Manisha Das (APEX)

- **ROBOSANGRAM -**

  **AGNISHAMAK-**
  - 1st- Jasmine Bahinipati (NIST)
  - Pratichi Chowdhury (NIST)
  - Shruti Sinha (NIST)
  - 2nd- Rakesh Lenka (NIST)
  - Swarup Kumar Rout (NIST)
  - Biswaranjan Panda (NIST)
  - Sonakshiee Swain (NIST)

  **BEST ALGORITHM-**
  - Sameer Pattnaik (NIST)
  - Tushar Kumar Kar (NIST)
  - Ravi Kumar Singh (NIST)
  - Saroj Kumar Singh (NIST)

- **KRITAVARDHAN-**
  - 1st- Soumya S. Mishra (NIST)
  - Siddhant Dash (NIST)
  - Pabitra Ku. Sahu (NIST)
  - 2nd- Arpit Arun Das (KIIT)
  - Chinmaya Ch. Biswal (KIIT)
  - Sisir Ranjan Ray (KIIT)

- **BEST MODEL-**
  - Binod Kumar (APEX)

- **YAKSHA-**
  - 1st- Anirvan Singh (NIST)
  - Amit Ranjan (NIST)
  - 2nd- Ansuman Rath (ITER)
  - Saswad Das (ITER)

- **CHAKRAYUHA-**

  **COUNTER-STRIKE:**
  - 1st- Team PSYCHOPATH
  - 2nd- Team PSYCHO KILLERS

  **FIFA-08:**
  - 1st- Amitansu Satpathy (NIST)
  - 2nd- Rakesh Bihari (NIST)

  **AGE OF EMPIRES:**
  - 1st- Rohit Mohanty & Amay(NIST)
  - 2nd- Upen & Amit (NIST)

  **NEED FOR SPEED MOST WANTED:**
  - 1st- Pradeep Sahu (NIST)
  - 2nd- Debasis Sahu (NIST)

- **ANANT URJA:**

  **AKSHAY:**
  - 1st- Deepak Himanshu

- **AALEKHYA:**
  - 1st- P. Sai Smita Patro (NIST)
  - Sibani Saidarshini (NIST)
  - 2nd- Shakuntala Meher (NIST)
  - Chandana Das (NIST)

---

**Champions’ Trophy :**

National Institute of Science and Technology, Berhampur
Hello Readers of NIST e_news! The frenzy of Sankalp’09 is over and it’s routine affair time. This edition of SPORTSCAST promises more excitement and thrill from the ever happening domain of sports.

In Cricket, the Champions’ Trophy made headlines with a lot of crowd support...
and viewership worldwide. The Aussies reclaimed the top spot by beating the Kiwis in the final. In a rather one-sided final, Ricky Ponting’s men were runaway winners. In other cricketing action, the latest baby of International Cricket, Champions League T20, the first inter-continental tournament made it to the cricket pitch with much vigor and excitement. Trinidad and Tobago (West Indies), Cape Cobras (South Africa), New South Wales and Victoria Bushrangers (both Australia) have made it to the semi-finals.

In motor sport action, Briton Jenson Button of Brawn GP became the 10th ever English driver to be crowned F1 champion in a thrilling season, helping Brawn GP’s first finish in the constructors title in their debut season.

In tennis, 20 year old Juan Martin Del Potro, the Argentine dasher rocked the Arthur Ashe stadium with some stunning winners and served by beating 15 time grand slam champion Roger Federer in a thrilling 5 setter. Tennis also holds joy for Indian fans, as India, who after a bridge of 10 long years, has made it to the Davis Cup World Group Stage by beating South Africa. The architect of this win was Somdev Devraman who won his match in a nerve-wrecking 5 setter. Somdev also had personal achievements by being ranked 124th in ATP rankings.

Indian hockey was abuzz with joy after India defeated Canada by building an unassailable 4-0 lead in the 7 match test series.

Indian pugilist Vijender Singh showed no sign of relents in personal achievements as he became the first Indian boxer to be ranked no 1.

In some local news, the final year hostel-1 boys’ team defeated the third year team in a rather lopsided encounter in the Inter Batch Cricket Tournament at Konisi, winning the coveted trophy for a record second time.

In the next edition, we promise you more thrill and drama from the world of sports. For further details and queries, please do contact us at panda.sachin101@gmail.com and anshu.aditya@gmail.com.

**Quiz**

Mr. K. Venketswar Reddy,
B. Tech., 5th Sem

1. What does a Myrmecologist studies?
2. Which banks name is a part of the official name for the Nobel Prize for Economics?
3. Which is the only vowel not on the top line of a standard typewriter?
4. Which football club has been European champion a record nine times?
5. How independent states are members of the commonwealth?
6. Which country does William Gopallawa, the first President of SAARC belong to?
7. Which team finished runner-up at both the 1982 and 1986 FIFA world cup?
8. How many stars are there on the Australian flag?
9. Which state is known as the HEART OF INDIA?
10. Which famous leader is known as “LOKNAYAK”?

**Answers**


National Institute of Science & Technology, Berhampur, 761008

14 of 18
The Pebble
Dr. E. Raja Rao
Faculty, Dept. of English
The pebble in the stream
Happily sleeps; awake
All the time to
Mourn the stars
In the sky
Memory strife
Its breaking away
From the greater mass
Once upon a time
There was a King in Xanadu
Status lies not in the old
Stories buried deep
It carves its place
The way it sits
And chalks out
A graph on the waters.
Tsunami comes
Pounds the river
Into a puddle
Arrested it becomes
Like a faerie queen in the castle
Nothing hinders
The pebbles on its way
To knowledge
Looks up to the fish
The snail the goose on the hedge
The worms insects
Groping inside the muddy mass.
It crawls into the cringy bottom
A site unknown
In search of its fate
That waits not
For anybody’s whims
No remorse no regrets
Settles down
In a place
They smartly call
Hade’s Hills.

Cynosure of all Eyes
Ms. Neena Choudhary
B. Tech., 3rd Sem., Team e_news
Sports have been the one podium to anchor the spirits of Indians. Sports not only promoted the country internationally, but also served as a pedestal to express and answer national rivalries. That ‘sports have added vigor to the Indian aroma on the world stage’ can not be considered as an exaggeration. This youthful sportsman spirit has not reserved itself to the young guns of India; it has a spell over the entire nation irrespective of age, sex, religion and even the understanding of the game.

Through this issue, cynosure of all eyes wants to bring forward the unbalanced sports mania created by the men in white, the media and even the public. Let me begin by being very honest to my readers. Sometimes it makes me think very hard: Does any other sport besides cricket take place in India? Any Indian when asked about the glorious moment of Indian sports it would probably be Dhoni with the champagne after winning world T-20 championship. The ecstasy of triumph can only be felt with our very own dada flinging his shirt at Lord’s. An Indo-Pak cricket match is the favorite matter of concern for sport-literates. It would not be possible to explain the craze for cricket in India. No matter how intense and exhilarating vocabulary is used, I will not be able to do justice to the craze for cricket in this country which is going to play the host to Commonwealth games scheduled to be held in tenth year of the new millennium. Aha! This reminds me. The Commonwealth game is already banging on our doors and one gets the doubt if the event will be held in India at all? What bigger disgrace can we as citizens of India face? The Commonwealth Games in Delhi being awarded to some other country just because our infrastructure is shoddy?
And can I guess that the reason behind it is our lack of interest in other sports? I am not against cricket. But cricket gets all the attention while other sports have been totally neglected. Cricket the “richer” sport is getting richer and other sports are almost dying in India. The problem has risen to such a level that the Indian government has no money to work on the stadiums for the 2010 event and had to unwillingly raise alcohol rates for extra income. While on the other side India can spend billions of dollars for holding test, 50 and 20 over cricket, resulting in everyone from the President of B.C.C.I., their office bearers, administrators, cricketers, umpires, commentators, etc. raking in millions.

“How does India compare with Australia?” In India, the media and the public frequently debate this topic. Unfortunately, such discussions seldom go beyond cricket while other sports are wrapped up in a few minutes. This would never have been an issue if the cricket team could deliver a mere percentage of the competitors. It’s unlikely that anybody in the Indian team would have stumbled upon Faith No More’s 1995 album: King for a
Tech Check

Md. Ashraf Adil
B.Tech 5th Sem., ashraf.adil_13@rediffmail.com

USB Cellphone Booster

Poor signal strength on our cellphones is one of the biggest problems for all us mobile users. And ever wondered why don’t the cell phone companies do something about it? Well, one company, ThinkGeek, has decided to put an end to all our “mobile” woes.

The USB Cellphone Booster plugs into a USB port and improves incoming and outgoing cellphone voice and data within a 5 foot radius. The user simply has to place the wired antenna up to 15 feet away from the USB base unit in an area of marginal coverage. The antenna takes its power from the USB port so changing hassles and problems of low battery and other issues. This gadget could be yours in approximately Rs. 5000/-...but you need at least one bar of signal in your cellphone.

Bluelounge Charging Station

We are all accustomed to using multiple gadgets today. This invariably leads to shortage of charging points for all of them. Bluelounge launches a charging station that charges for different types of gadgets and looks awesome too. This multi-utility charging station has two iPod/iPhone plugs, two USB and one of each a micro-USB and a mini-USB plug. The micro-USB plug looks quite useful as almost all of the mobile gadgets to be launched now on consist of the micro-USB slot for charging. The charging station is available in black, white and pink colors.

Corsair Flash Drive

Corsair has launched a gadget that claims to be the world’s fastest USB flashdrive. The Flash Voyager GT as it is called is a 128GB high capacity USB flash drive. It has top read speed of 32Mbps and write speed of upto 25.6Mbps, which is almost the speed limit of the USB 2.0 bus. And interestingly, even with the high data holding capacity, the flash drive is 75% smaller than regular flashdrives of less than half the capacity.

The 128GB Voyager GT is nearly twice as fast as other high-capacity flash drives, which means less time waiting for your music, video, or other files to copy to and from the drive. The Flash Voyager GT costs Approx Rs. 2000. That’s too much?

Coutesy: gadgetsworld.co.in

Day... Fool for a lifetime. Time has come to invest our energy and time in other sports too. “Step-motherly treatment” meted out to the other sportsperson has to be given a pause. We should make all efforts to promote games over and above cricket. Though most of us are fond of cricket, this includes me as well, let us develop, love, respect and show interest in a few more games. Let us stop being single sports, Cricket loving people.

[Views, suggestions, feedbacks are welcomed at neena.choudhary.28.06@gmail.com.]
From Mailbox

Date: Thu, 15 Oct 2009 22:44:58 -0400
From: amartya916@gmail.com
Subject: Happy Diwali
To: smu@mu.com

Dear Sir,

Wishing you and your family a very Happy Diwali.

I would also use this occasion to thank you for the help you extended to me, as a result of which I find myself in Canada. I am now a Masters student at Queen’s University (www.queensu.ca). Everything happened in a rush at the end, I got my papers in August, the Visa arrived a week before I was planning to fly and eventually had to quit Infosys in a hurry. That meant that my original plan of coming over and meeting you in college couldn’t materialize.

Let me fill you in on how my applications went this year, I had sent in 8 applications, 5 of the universities offered admission and 3 offered financial aid. Out of the 3 options, I chose Queen’s because it gave me the most exciting avenue to work in. I work in the Human Media Lab at Queen’s (www.hml.queensu.ca) and it is everything that a lab should be: Groundbreaking research and lots of “toys” to play with. The opportunity to learn is immense.

Remember, I used to complain about 120 minute lectures while I was at NIST? I guess it serves me right, here I have 2.5 hour lectures (with a 10 minute break in between)!

I hope the college is doing well, I saw the new site, it looks much better.

I promise to stay in touch. I think with my stint here, I would be able to contribute to the development of my Alma Mater as well.

With Warm Regards,
Amartya

To: akpanda62@hotmail.com
From: Smaranika.Behura@Lntemsys.com
Subject: Smaranika (2005-09)
Date: Fri, 9 Oct 2009 15:13:56 +0530

Hi,

How are you? Hope you remember me. Any way to refresh your memory I am Smaranika from 2005-09 batch. I was recruited in L n T, Emsys in campus & i am working here since three months. I was missing my college life and with that i remembered you. So, thought of sending you a mail to know your well being. Any way how is everything in college? Recently we had a mini project in hardware to design a voltage source i.e., going to be implemented in a “three phase power amplifier”. So, it was completed till PCB designing. Here I got the chance to learn the PCB designing. Now they are putting us to a Linux based project.

We all Nistians are doing well here. Well nothing else to write. Anyway, will be waiting for your reply.

Thanks & Regards,
Smaranika Behura

From: debasis_s@sankalpsemi.com
Subject: Proposal for VLSI Lab @NIST
Date: Tue, 20 Oct 2009 18:34:56 +0530
To: akpanda62@hotmail.com

Hello Sir,

Good to hear from you. Hope you are in good health and spirit. As an alumni I always wanted to give back something to college which is possible in my realm of operation. But I do not know why it is not happening in the pace as I dream of. Now in association with Sankalp three projects are successfully executed by BVB College
out of which 2 got selected to Cadence Design Contest Final (Top 10 in India), which is a great achievement by itself. I want NIST to get it this year. And this is not going to happen unless you have association with any industry expert (not necessarily Sankalp, it can be any one) and get continuous inputs and build upon it. Do you have any such plan or vision then please let me know? I have a great passion to do something in VLSI domain in Orissa and planning towards that. It will be in association with colleges so that the industry gets man power and even the faculties get a new perspective of teaching and research. And as an alumni, NIST is my first preference. Otherwise I have to look for other options under compulsion. Is it possible to get me a detail list of things as listed which will help me to create a solid plan based on the facts?

* Existing EDA tools (License Details), Free wares used
* Works, Initiatives and Publications happened so far
* Dedicated faculty list who are really involved in the work and want to take it to next level.
* The future plan and tools that you are going to get it from different sponsored program of Govt. of India.

First step is always difficult, but I hope this will lead to a different plane of success to NIST to be TSIN (Top School in Nation). I am open to discuss, debate and brain storm.

Best Regards
Debasis

---

From: Balakrishna.Padhy@Lntemsys.com
To: akpanda62@hotmail.com
Date: Fri, 9 Oct 2009 18:26:38 +0530

Dear Sir,

I hope you will be fine there and hope u remember me. I am Balakrishna Padhy, a student of 2009 passed out batch and right now working for L & T EmSyS, Mysore. Everything must be going smoothly in N.I.S.T. All will be busy with SANKLAP. I guess this time Sanklap team must have given new flavor to SANKLAP by adding new events. It’s always great to see new changes inside N.I.S.T being a Nistian.

We all are well here. We are undergone a training of 3 months including a mini project of one month. We all Nistians have performed well and got one one project as well on embedded software also. Now I am assigned for an embedded project on Mc Crometer. EmSyS is doing embedded projects on different domains but the only thing it depends on individual’s interest and others blessings to get into. While sitting here in office, some of the rules and regulations of EmSyS always pushes us to remember the college days in N.I.S.T and it’s rules and regulations. Though we were not taking the rules and regulations so seriously but when we came here and we realized the necessity of those things.

I would love to get a reply from you.

Thanks & Regards,
Balakrishna Padhy

---

Birthday Bash

Mr. Diptendu S. Roy  16-Oct
Dr. Arun K. Padhy  21-Oct
Mr. Ranjit Behera  30-Oct
Dr. Motahar Reza  31-Oct
Mr. Niranjan Sahu  5-Nov

Marriage Anniversary

Mr. K. Lakshmi Narayan  1-Nov
Mr. Suresh Ch. Pattnaik  31-Oct

---

National Institute of Science & Technology, Berhampur, 761008