FROM THE DIRECTOR’S DESK

At the outset, a warm welcome to the incoming batch of B.Tech, M.Tech, MBA and MCA students. As mentioned elsewhere this is the largest batch to have entered the portals of the Institute. This is a moment of joy as a larger section of the students/parents community have put their confidence on our abilities to deliver quality education. I am sure, our faculty and staff colleagues will spare no effort to make sure that we provide the academic ambience for students to enjoy and excel.

This week I got an opportunity to speak to the 2nd year students who might not have relished the talk as much as I did. It was some plain speaking from the heart. I told students that getting a grade of C, D or F is no longer cool. Watching movies, FB, social networking, gaming, etc., are supposed to be light entertainment avenues and not time guzzlers. Too much is injurious to academic health. The importance of a good CGPA (preferably > 8.00) opens up numerous avenues of opportunity in the final year and it has become the de rigueur for placement eligibility. Domain knowledge is back in sharp focus as companies struggle to survive in the new knowledge economy. A word of advice: cultivate a technology specialization at the earliest; a certificate course in any area of your choice is immensely helpful. Our Course Coordinators M.Suresh, Pradeep Jena and Shom Das are fully aware of their responsibilities and will ensure that this semester academic focus is paramount on campus.

The eIndia 2013 Awards to NIST for its Online Information Systems (OIS) is a culmination of a decade of work by NIST Technology Consulting Services (NTCS). We are proud of this achievement. The river rafting team of NISTians was truly adventurous. Wonder if anyone has noticed that a 25ft climbing wall is coming up at Atrium?

Best Wishes,
Sangram Mudali

FROM THE EDITOR’S DESK

National Institute of Science & Technology, Berhampur, 761008

Dipti Ranjan Lenka

(1 of 18)
After 18 months of severe slowdown in the IT market all over the world the companies are gradually getting back on track. The leading IT companies of India & abroad chose to take necessary but harsh steps and the entire world has witnessed lot of economic reforms in the past 18 months. The top IT companies have again started making steady progress & earning profits for the last couple of months which motivated the leaders to plan and go ahead with the campus recruitment of the graduating batch of 2014 from all over India. This is a great news for the top Engineering Institutions like NIST.

Our final year students are working very hard for the past couple of months to prepare themselves to face the challenges of the recruitment processes of the top IT companies in India. All the NISTians are eagerly waiting & praying for their grand success in the forthcoming placement season. The final year students are the torch-bearers of NIST’s success. I am confident that they will give their hundred percent and perform according to the expectations. The previous batches who graduated in 2008, 09, 10, 11 & 12 have broken old records and created history by getting themselves placed in the top MNCs in huge numbers.

I do believe that the graduating batch of 2014 will also follow their footsteps to break all the previous campus placement records by reaching the highest numbers in campus placements in Odisha.

I wish the final year students all the best!

Geetika Mudali

FROM THE PLACEMENT DIRECTOR’S DESK

After 18 months of severe slowdown in the IT market all over the world the companies are gradually getting back on track. The leading IT companies of India & abroad chose to take necessary but harsh steps and the entire world has witnessed lot of economic reforms in the past 18 months. The top IT companies have again started making steady progress & earning profits for the last couple of months which motivated the leaders to plan and go ahead with the campus recruitment of the graduating batch of 2014 from all over India. This is a great news for the top Engineering Institutions like NIST.

Our final year students are working very hard for the past couple of months to prepare themselves to face the challenges of the recruitment processes of the top IT companies in India. All the NISTians are eagerly waiting & praying for their grand success in the forthcoming placement season. The final year students are the torch-bearers of NIST’s success. I am confident that they will give their hundred percent and perform according to the expectations. The previous batches who graduated in 2008, 09, 10, 11 & 12 have broken old records and created history by getting themselves placed in the top MNCs in huge numbers.

I do believe that the graduating batch of 2014 will also follow their footsteps to break all the previous campus placement records by reaching the highest numbers in campus placements in Odisha.

I wish the final year students all the best!

Geetika Mudali

NIST welcomed the 1st year students of B. Tech., MCA, MBA, and M. Tech to its family on 5th August 2013. This batch is the largest batch of the institute with an intake of more than 1000 students in its Undergraduate and Postgraduate Programmes.

Prof Sangram Mudali, Director, NIST while addressing the new entrants emphasised on the role of the institute in preparing the students to become citizen engineers and stand unique among the millions of engineers graduating every year. Prof Geetika Mudali, Placement Director shared her experiences with industry and the changing trends and requirements of placement. The students were shown a powerpoint presentation on the journey of the institution since 1996.

NIST is known for its number of clubs where students hone their talent and showcase their creativity. The newbeis, on their very first day at the college, were introduced to the host of clubs and their activities.

ORIENTATION DAY FOR 1ST YEAR STUDENTS

NIST welcomed the 1st year students of B. Tech., MCA, MBA, and M. Tech to its family on 5th August 2013. This batch is the largest batch of the institute with an intake of more than 1000 students in its Undergraduate and Postgraduate Programmes.

Prof Sangram Mudali, Director, NIST while addressing the new entrants emphasised on the role of the institute in preparing the students to become citizen engineers and stand unique among the millions of engineers graduating every year. Prof Geetika Mudali, Placement Director shared her experiences with industry and the changing trends and requirements of placement. The students were shown a powerpoint presentation on the journey of the institution since 1996.

NIST is known for its number of clubs where students hone their talent and showcase their creativity. The newbeis, on their very first day at the college, were introduced to the host of clubs and their activities.

ORIENTATION PROGRAMME ON BASICS FOR FRESHERS 2013

The Orientation Programme on Basics for Freshers, 2013 was organised this year as usual with the high hope of widening the horizons of the new batch of B.Tech., MBA, and MCA students who chose the NIST to be their alma mater. As ever, NIST has been jostling with strategies of infusing its students with new innovative ideas in different spheres of life. It wants to maintain the tall order of the IITs and such foreign Universities like Stanford, UPENN, Houston and others in matters of reaching out to the students with fresh cognitive frontiers. Hence, on the 6th Aug. 2013, the Orientation Programme on Basics for Freshers was inaugurated by the
Director, Prof Sangram Mudali who maintained that students of NIST should not only be the front-runners in inventing the technical know-how in future and become the most advanced engineers, but also be adjudged everywhere as the best human beings, looking at the society from multiple perspectives derived from different disciplines. He urged upon the students to inculcate in them a sense of fearlessness and to look at everything with searching eyes. It was coordinated by Dr E. Raja Rao, Prof., English, NIST.

<table>
<thead>
<tr>
<th>NAME OF THE SPEAKERS</th>
<th>SUBJECT OF TALK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof Hari Hara Das</td>
<td>Philosophy of Political Science</td>
</tr>
<tr>
<td>Former Professor of Political Science, Berhampur University</td>
<td></td>
</tr>
<tr>
<td>Mr Anol Choudhury &amp; Mr. Karan Singh</td>
<td>Language Skills in the Corporate World</td>
</tr>
<tr>
<td>Marketing Managers, British Council, Kolkata</td>
<td></td>
</tr>
<tr>
<td>Mohan Krishna Das</td>
<td>Ethics and Morality</td>
</tr>
<tr>
<td>Head, ISKCON, Berhampur</td>
<td></td>
</tr>
<tr>
<td>Dr E. Raja Rao</td>
<td>The Kaleidoscope of Literature</td>
</tr>
<tr>
<td>Professor, Dept. of English, NIST</td>
<td></td>
</tr>
<tr>
<td>Prof. Sailabala Padhi</td>
<td>Biomass and Environment</td>
</tr>
<tr>
<td>Director, Centre for Environment Studies, Bhubaneswar</td>
<td></td>
</tr>
<tr>
<td>Mr Venkatesh Goteti</td>
<td>Entrepreneurship and Creativity</td>
</tr>
<tr>
<td>Co-Founder, AZRI Solutions, Hyderabad</td>
<td></td>
</tr>
<tr>
<td>Mr Anol Choudhury &amp; Mr. Karan Singh</td>
<td>Language Skills in the Corporate World</td>
</tr>
<tr>
<td>Marketing Managers, British Council, Kolkata</td>
<td></td>
</tr>
<tr>
<td>Mohan Krishna Das</td>
<td>Ethics and Morality</td>
</tr>
<tr>
<td>Head, ISKCON, Berhampur</td>
<td></td>
</tr>
<tr>
<td>Dr E. Raja Rao</td>
<td>The Kaleidoscope of Literature</td>
</tr>
<tr>
<td>Professor, Dept. of English, NIST</td>
<td></td>
</tr>
<tr>
<td>Prof. Sailabala Padhi</td>
<td>Biomass and Environment</td>
</tr>
<tr>
<td>Director, Centre for Environment Studies, Bhubaneswar</td>
<td></td>
</tr>
<tr>
<td>Mr Venkatesh Goteti</td>
<td>Entrepreneurship and Creativity</td>
</tr>
<tr>
<td>Co-Founder, AZRI Solutions, Hyderabad</td>
<td></td>
</tr>
<tr>
<td>Mr Anol Choudhury &amp; Mr. Karan Singh</td>
<td>Language Skills in the Corporate World</td>
</tr>
<tr>
<td>Marketing Managers, British Council, Kolkata</td>
<td></td>
</tr>
<tr>
<td>Mohan Krishna Das</td>
<td>Ethics and Morality</td>
</tr>
<tr>
<td>Head, ISKCON, Berhampur</td>
<td></td>
</tr>
</tbody>
</table>

MAHANADI RIVER RAFTING EXPEDITION

The National Adventure Foundation, Odisha, Chapter organised a Mahanadi River Rafting Expedition from 15th July to 20th August 2013 at different routes in Odisha on Mahanadi River. Ten of NIST students participated in the expeditions from 2nd to 4th August, 2013 from Boudh through Sitamali, Bhatarika to Banki, Cuttack. In this three day programme students got an opportunity to raft around 160 kms covering five districts of Odisha like Boudh, Phulbani, Dhenkanal, Khurda and Cuttack. They were accompanied by Mr Vinay K. Das, Co-ordinator SAC and Dr Mihir Hota, Faculty member.
BLOOD DONATION CAMP AT NIST

The institute organised a Blood Donation Camp on August 17, 2013 in the college premises. The event was a joint venture of NSS (Berhampur University) division of NIST and Govt. Blood Bank, MKCG College and Hospital, Berhampur. Students and faculty members of the institution donated blood in large numbers. The event was inaugurated by the Placement Director of NIST, Prof Geetika Mudali and was carried on exhaustively from 10 am to 6 pm. At the end of the day the institute recorded a triumphant 502 units of donated blood. Mr Chandan Kumar Behera, Asst. Prof., Dept. of I.T, NIST and the Project Officer of NSS co-ordinated the programme.

A NIST ISTE CHAPTER SEMINAR

NIST ISTE CHAPTER (Odisha Section) organised a Seminar on ‘Role of Advanced Electronics & Nano Materials/Devices Technology in Strategic Aero-Space/Defense & Solar Energy Applications- A Bird’s Eye View’ on 16th August 2013. The talk was given by Dr V. N. Mani, Scientist-E, Centre for Materials for Electronics Technology, Govt. of India, Hyderabad. Dr Mani emphasised on the Science and Technology Development Era, Discoveries/Inventions that revolutionized the world of science and technology like X-ray machine, Microscope, Crystals, Transistors, Chloroforms, Penicillin, Laser, Maser, Hybrid Seeding, Solar Cell, Atomic Energy, Television, Computers, Smart chips, Clean rooms, and Nano crystals and devices. He also motivated the B.Tech and M.Tech students and the faculty members on how to develop scientific and research questioning mind through various examples and interactions.

INDIA AWARD 2013 TO NIST

It is a matter of greatest pride that NIST has been bestowed the eIndia 2013 Award for Excellence for Use of Technology for Teaching-Learning Process. This Award was given to NIST in face of tough all India competition. Our OIS has been recognised throughout the country for its innovation, excellence and ease of use. The Award was received by Prof Geetika Mudali, Placement Director, NIST from the Hon’ble Minister of IT, Govt. of Andhra Pradesh at the Awards Ceremony held at the International Convention Center on 23rd July. Kudos to the NTCS team led by Prof Bhawani Patnaik for the very innovative and successful Online Information System (OIS)!
INVITED TALK by NIST FACULTY

Dr Trinath Sahu, Professor, Dept. of Electronics and Communication Engineering presented a Keynote Address on ‘Nano-semiconductor Physics and Devices’ in the National Seminar on Emerging Trends in Electronics and Communication Engineering (NSETECE-2013) held at Kalam Institute of Technology, Berhampur, during May 7 - 8, 2013.

INVITED TALKS AT NIST

- Prof R M Banakar from BVB Engineering College, Hubli delivered a lecture series on ‘Real Time Embedded System Design for signal Processing application - an FPGA Approach’ from 12th to 24th July 2013. Prof Banakar is a Ph. D from IIT, Delhi and is the Coordinator of TIFAC CORE in VLSI Testing at BVB, Hubli. Prof Banakar has guided scholars in their Ph. D work. She has more than 50 publications in Journals of repute and has two best paper awards in different conferences. Many faculty members and students attended the talk. The programme was coordinated by Mr Mukesh Shukla, Faculty member, Dept. of Electronics and Communication Engineering.

- Prof Atal Chaudhuri, Professor, Department of Computer Science and Engineering, Jadavpur University delivered a talk on the ‘Future Prospects of a Teacher’ at TIFAC-CORE Seminar Hall on 4th May 2013. Many faculty members along with the M. Tech students attended the talk.

- Dr Amit Kumar Mishra, University of Cape Town, South Africa, delivered a talk on ‘Brain and Brain Inspired Machine Learning’ on 28th June 2013 at the institute auditorium. Dr Mishra worked as a Faculty member in the Department of Electronics and Communication Engineering, Indian Institute of Technology Guwahati before he went to South Africa. Many faculty members and students attended the talk.

- Dr Sudipto Mukherjee, Professor, Department of Mechanical Engineering, IIT, Delhi delivered a talk on ‘History and Evolution of Robotics’ to the students and faculty members of NIST.

- Mr Sunil Sabat of IBM, USA delivered a Talk on ‘Big Data - Current State and Overview with Hadoop and Hbase Demonstration’ at NIST on 16th August 2013.

FACULTY LAURELS

Summer Research Fellowship

Mr Subhankar Ghatak, Asst. Prof., Dept. of Computer Science and Engineering has been selected for the Summer Research Fellowship (SRFP) at IIT Kharagpur.

Doctorate of Philosophy

Mr Bhaskar Bandypadhyay has been awarded Ph. D in Business Administration from the Berhampur University on the thesis: ‘Strategic Marketing of Agrochemicals’ under the guidance of DrArun Kumar Mahapatra, Prof., NIST School of Management Studies and DrArun Kumar Panda, Prof., Dept. of Business Administration, Berhampur University. Renowned academician Dr S. P. Singh of Gurukul Kangri University was the external examiner for the same. The thesis was highly appreciated by the examiners as a basic research work and got required permission from the University to be published in original form.

Members of Editorial Boards

Dr U. K. Misra, Professor, Dept. of Mathematics has been nominated as a Member in the Editorial Board of Journal of Indian Academy of Mathematics, ISSN: 0970-5120, for 2013 –15.
Dr Sisira Kanti Mishra, Associate Professor, Dept. of Management Studies, has been selected as a Member of Editorial Board of CAGENA, an International quarterly journal of Management Science with ISSN no.: 2321 – 1741. (Ref: http://www.cagena.com/index.php/ct-menu-item-3/ct-menu-item-5.html)

Dr Sisira Kanti Mishra has been selected as a Member of Advisory Board of the International Research Journal on Business Management and Finance, a peer-reviewed and refereed international journal with ISSN number 2320 – 9453. (Ref: http://grjbfm.wordpress.com/editorial-board/)

Resource Person

Dr U. K. Misra, Professor, Dept. of Mathematics was invited as a Resource Person in the Training Programme for Undergraduate Students in Mathematics, organised by the Department of Mathematics, Tripura University during 17th - 19th July 2013.

WORKSHOPS/SEMINARS/CONFERENCES ATTENDED

Mr Rajesh Kumar Dash, Associate Professor, Dept. of Electronics and Communication Engineering attended a Coordinator Workshop in IIT, Kharagpur from 1st to 5th April 2013. He represented NIST (Remote Center ID-1243). Different issues related to the workshop were discussed along with the theoretical classes taken by IIT faculty members.

Mr Partha Garai, Asst. Prof., Dept. of Computer Science and Engineering attended the Latin American eScience Workshop 2013 sponsored jointly by Microsoft Research and FAPESP at Sao Paulo, Brazil during 13th - 15th May-2013. He attended the workshop as a fully sponsored candidate. In Brazil, researchers have been working together to increase the understanding of tropical ecosystems, human impact on the environment, biogenetics, and biodiversity. These efforts provide new opportunities to improve the capabilities in data-intensive research and strengthen the eScience research community. The eScience Workshop was intended to bring together more than 150 participants — including students and researchers from all over the world — to explore collaboration and research opportunities in areas such as environmental sciences, bioenergy, biodiversity, health and digital humanities.

Ms Basanti Patro, Yoga and Sports Instructor, NIST attended the National Sports Conference on ‘Value Based Sports: Call of Time’ at B. K. Academy, Mt. Abu, Rajasthan from 9th to 13th August 2013.

Mr Swagat Kumar Samantaray, Asst. Prof., Dept. of Electronics and Communication Engineering and Mr Saswat Mohanty, Faculty member, Dept. of Computer Science and Engineering attended the WIPRO-Mission10X–UTLP Practitioner Program at Wipro Technologies, Bangalore between 1st to 5th July 2013. The workshop focused on the hands on experience on UTLP Kit and how to develop projects on the kit.

PAPERS PRESENTED

Ms Soumya Samanta and Ms Sreeyasree Deb, Faculty members, Dept. of English, presented a paper: Classroom Practices and Language Proficiency at the International Conference on English Language and Literature (ICELL) organised by International Academic & Industrial Research Solution (IAIRS) at Golconda Hotel, Hyderabad on 6th and 7th July 2013.
Mr L. K. Raju, Asst. Prof., Dept. of Mathematics, presented a paper: ‘An Inventory Model with Price Dependancy Demand Rate for Deteriorating Items’ in the 26th International Conference on Global Advance Management (GAM-2013) organised by Jangjeon Mathematical Society, South Korea in association with Acharya Institute of Graduate Studies, Bangalore during 1st - 4th August 2013.

BOOK PUBLISHED BY NIST FACULTY


The book is designed to serve as a basic text for B.Tech and M.Tech students of Electrical Engineering. The topics are explained in a clear and systematic manner. The book has a wealth of useful figures, graphs and block diagrams to help students. Most of the concepts are explained with physical analogies. A sincere attempt has been made to include multiple choice questions with answers, short questions with answers and a number of solved problems and exercise in each chapter. Broadly it deals with: Overview of Power System, Basic Principles, Per-unit System, Line Parameter Calculation, Transmission Line Model and Performance, Fault Analysis, Transmission Capacity, Compensation Techniques, Load Flow Analysis, Economic Operation of Power System, Power System Controls, Power System Stability, and FACTS Controllers.
PAPERS PUBLISHED


Dr M. N. Murty published a paper: ‘Analogy between Particle in a Box and Jahn-Teller Effect’ in the Resonance (Journal of Science Education), vol.18, No.7, pp.646-653, July 2013.


Dr Arunanshu Mahapatro and Pabitra Mohan Khilar published a paper: ‘Fault Diagnosis in Wireless Sensor Networks: A Survey’ in the IEEE Communications Surveys and Tutorials, IEEE.


B. TECH-2009-13 BATCH FAREWELL FUNCTION

The institute bid farewell to the students of 2009-13 batch of B. Tech students on 5th June 2013 at Gopalpur-on-Sea. Students shared their experiences of four years at the college. Prof Sangram Mudali, Director and Prof Geetika Mudali, Placement Director, graced the occasion and felt nostalgic with the students and wished them all success in their future endeavours. The Best Project Award for both Software and Hardware designs were given away to the students by Prof Geetika Mudali. The programme ended with a sumptuous dinner.

SUMMER ROBOTICS WORKSHOP 2013

NIST Robotics Club (NRC) organised the Summer Workshop on Robotics for school children from 1st to 14th June 2013. The club has been organising this workshop successfully for the past eight years, where top five students from all the schools in and around Berhampur are invited. The students learn the basics of Robotics and Its Application. JUNK Robotics, Manual Robotics, LEGO Robotics, Electronics and Automatic Robotics Concepts are made clear to the students in the workshop. This is free for all the participants and the institute bears all the expenses for the same. Around 50 students from various schools participated in the workshop this year. The programme was organised and coordinated by Mr Swagat Kumar Samantaray along with the club members.

COMPLETION OF EOP-2013

The four month long Employment Oriented Programme (EOP-2013) came to an end on 15th May 2013. In the valedictory function, eighty four registered candidates were given with stipend and certificate of completion. The programme was coordinated by Mr Asesh Kumar Tripathy, EOP Coordinator.

ASTRONOMY WEEK

In yet another eventful week in NIST, the NIST Astronomy Club celebrated the Astronomy Week from 16th to 20th April 2013. Over a span of five days many exciting competitions: general quiz, paper presentation, poster presentation, Vega Bond were organised in the campus where a huge participation was witnessed. The event was conducted in the presence of the Director, Prof Sangram Mudali. On the final day the event was concluded by a documentary show to increase the inquisitiveness and awareness of the students in the field of astronomy. Ms Jyoti Padhi and Ms G. Spandana, B. Tech 2nd year secured
first position in general quiz, Ms Aparna Rani Behera, B. Tech 2nd year, first in poster presentation, Mr Kunal Gaurav, Mr Jitendra Kumar and Mr Deepak Kumar, B. Tech 2nd year, first in Vega Bond and Mr Soumya Ranjan Senapati, B. Tech 1st year was adjourned the best presenter in the paper presentation competition. The programme was organised by the members of the club under the guidance of Dr Mihir Hota, Faculty Advisor, Astronomy Club.

NOVEL BY A NISTIAN

Ms Suruchi Roy, B. Tech, CSE, Final year published a novel, ‘It all started when I logged in’ by Smriti Publications, Kolkata. It is the first time that a student could complete writing a novel in this short time of four years. The book can be seen and ordered at http://www.smritipublishers.com/itallstarted.html.

THURSDAY LECTURE SEMINAR SERIES

**Date: 11th April 2013**

**Speakers**
- Ms Deepanjali Misra and Ms Namita Jena
- Mr Sourav Pramanik
- Prof A. K. Padhy

**Title**
- Essentials of Nanoscience and Nanotechnology
- Multisensor Image Fusion based on energy calculation
- Discussion on BPUT Rules and Regulations

**Date: 18th April 2013**

**Speakers**
- Dr Sasmita Padhy
- Mr Kaushik Halder
- Mr Nilanjan Patra
- Mr K Hemant K Reddy
- Mr Arkaprava Bhaduri Mandal
- Prof Sangram Mudali

**Title**
- A low complexity antenna selection in MIMO system
- Optimum weight selection based LQR formulation for the design of fractional order PI Lamda D Mu controllers to handle a class of fractional order systems
- National Instrumentation Educators Day
- Cloud Computing
- Summer Courses 2013

**Date: 25th April 2013**

**Speakers**
- Mr Agyan K. Prusty
- Mr Anal Paul

**Title**
- An Advanced Gray Image Encryption Scheme by Using Discrete Logarithm with Logistic and HEH64 Chaotic Functions
- Travel Writing: New Dimensions

**Date: 2nd May 2013**

**Speakers**
- Mr Avijit Routh
- Mr Anal Paul

**Title**
- Stabilization based networked predictive controller design for switched plant
- An Advanced Gray Image Encryption Scheme by Using Discrete Logarithm with Logistic and HEH64 Chaotic Functions

**Date: 9th May 2013**

**Speakers**
- Dr Suresh Patnaik
- Ms Nibedita P. Mohapatra

**Title**
- Glimpses of Corporate Social Responsibility Initiatives in Indian Business
- Relay Node and Cluster Head Placement in Wireless Sensor Networks

**Date: 11th July 2013**

**Speakers**
- Dr Dipendra Sinha Roy
- Dr Sudhir Panigrahy

**Title**
- Smart Grid
- Healthcare Utilisation Behaviour in India: Socio-economic Disparities and the Effect of Health Insurance

**Date: 25th July 2013**

**Speakers**
- Prof Jaydip Sen
- Prof Sangram Mudali

**Title**
- Internet of Things: Technology, Applications, Standardization and Emerging Trends
- Teaching is the best Profession in the World

**Date: 1st August 2013**

**Speakers**
- Dr Trilochan Panigrahi and Ms Soumya Samanta
- Ms Sreeyasree Deb

**Title**
- Analogy between particle in a box and Jahn-Teller effect
- Classroom Teaching Practices & Language Proficiency

National Institute of Science & Technology, Berhampur, 761008
The institute felicitated the faculty members and staff who completed their 10 years at the college in a function on 9th May 2013. All the members were given with a Certificate of Appreciation, a gift and cash award. They shared their experiences at NIST and talked on how the college has grown in the past several years. ‘We feel indebted to NIST management for giving us an opportunity to work for such a long time’, they said. Prof Sangram Mudali felt nostalgic when he shared some of his experiences with the faculty members and staff. The list of faculty members and staff who completed their 10 years of relentless service is as follows:

<table>
<thead>
<tr>
<th>Sl No</th>
<th>Name</th>
<th>Designation</th>
<th>Date of Joining</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Siddhartha B. Nilamani</td>
<td>Faculty</td>
<td>6th July 2001</td>
</tr>
<tr>
<td>2</td>
<td>Deba Prasad Padhi</td>
<td>System Manager</td>
<td>20th July 2001</td>
</tr>
<tr>
<td>3</td>
<td>Sunil Ku Ray</td>
<td>Supervisor (Facility)</td>
<td>1st April 2001</td>
</tr>
<tr>
<td>4</td>
<td>Ranen Nayak</td>
<td>Bus In-charge</td>
<td>1st Sept-2001</td>
</tr>
<tr>
<td>5</td>
<td>K.V. Rao</td>
<td>Bus Mechanic</td>
<td>26th Sept-2001</td>
</tr>
<tr>
<td>6</td>
<td>Manoranjan Biswal</td>
<td>Driver</td>
<td>1st Dec 2001</td>
</tr>
<tr>
<td>8</td>
<td>Dillip Ku. Swain</td>
<td>Bus Helper</td>
<td>1st Feb 2001</td>
</tr>
<tr>
<td>9</td>
<td>Atulya Swain</td>
<td>Guard</td>
<td>1st Oct 2001</td>
</tr>
<tr>
<td>10</td>
<td>B. Papeya Reddy</td>
<td>Guard</td>
<td>1st June 2001</td>
</tr>
<tr>
<td>11</td>
<td>Santosh Ku Panigrahi</td>
<td>Guard</td>
<td>22nd Mar 2001</td>
</tr>
<tr>
<td>12</td>
<td>Saroj Ku Nayak</td>
<td>Guard</td>
<td>2nd Jan 2001</td>
</tr>
<tr>
<td>13</td>
<td>Abhimanyu Muduli</td>
<td>Peon</td>
<td>1st Oct 2001</td>
</tr>
<tr>
<td>14</td>
<td>Fhakir Mohan Acharya</td>
<td>Peon</td>
<td>1st May 2001</td>
</tr>
<tr>
<td>15</td>
<td>Jogendra Behera</td>
<td>Peon</td>
<td>2nd Jan 2001</td>
</tr>
<tr>
<td>16</td>
<td>Kishore Nayak</td>
<td>sweeper</td>
<td>1st April 2001</td>
</tr>
<tr>
<td>17</td>
<td>Tukuna Sethy</td>
<td>sweeper</td>
<td>1st Dec 2001</td>
</tr>
<tr>
<td>18</td>
<td>Abhro Mukharjee</td>
<td>Faculty</td>
<td>20th June 2002</td>
</tr>
<tr>
<td>19</td>
<td>Bidhya Bhusan Padhy</td>
<td>Faculty</td>
<td>5th Sept 2002</td>
</tr>
<tr>
<td>20</td>
<td>Vinaya Das</td>
<td>Faculty</td>
<td>7th Jan 2002</td>
</tr>
<tr>
<td>21</td>
<td>Basanti Patra</td>
<td>Yoga Instructor</td>
<td>7th Jan 2002</td>
</tr>
<tr>
<td>22</td>
<td>Bimal Ku. Samantaray</td>
<td>Hardware Asst.</td>
<td>9th Jan 2002</td>
</tr>
<tr>
<td>23</td>
<td>M. Kesab Rao</td>
<td>Library Asst.</td>
<td>2nd Jan 2002</td>
</tr>
<tr>
<td>24</td>
<td>Sarita Mudali</td>
<td>Library Asst.</td>
<td>22nd July 2002</td>
</tr>
<tr>
<td>25</td>
<td>Susanta Choudhury</td>
<td>Bus Helper</td>
<td>7th Jan 2002</td>
</tr>
<tr>
<td>26</td>
<td>Krushna Chandra Sethy (A)</td>
<td>Driver</td>
<td>2nd Jan 2002</td>
</tr>
<tr>
<td>27</td>
<td>Y. Dharmo Rao</td>
<td>Guard</td>
<td>12th Jan 2002</td>
</tr>
<tr>
<td>28</td>
<td>Bhagabat Sahoo</td>
<td>Peon</td>
<td>2nd Jan 2002</td>
</tr>
<tr>
<td>29</td>
<td>Biswanath Dash</td>
<td>Peon</td>
<td>11th Jan 2002</td>
</tr>
<tr>
<td>30</td>
<td>Prakash Mohanty</td>
<td>Peon</td>
<td>2nd Jan 2002</td>
</tr>
<tr>
<td>31</td>
<td>Kuna Nayak</td>
<td>Sweeper</td>
<td>9th Nov 2002</td>
</tr>
<tr>
<td>32</td>
<td>Sudam Nayak</td>
<td>Sweeper</td>
<td>2nd Jan 2002</td>
</tr>
<tr>
<td>33</td>
<td>Subrat Mohanty</td>
<td>Supervisor Const</td>
<td>1st Mar 2002</td>
</tr>
</tbody>
</table>

National Institute of Science & Technology, Berhampur, 761008
BOOK FAIR 2013

The Annual Library Book Fair 2013 was held on 3rd and 4th May 2013. Around 3000 books on various subjects were displayed by different publishers of the country. Many faculty members, students and staff attended the fair. Books on science, technology, competitive exams, literature, general knowledge and many more gave everyone a scope to see and buy.

ACADEMIC HONORARIUM AWARD

The following Research papers published during July – December 2012 are felicitated with the Academic Honorarium Award:

Research Paper Publications


Other Achievements

1. Dr Sasmita Padhy for Ph. D. Degree
2. Dr Shrabani Mahato for Ph. D. Degree
3. Ms Sonali Prabha Dash for Excellence in Research Work

Best Student Feedback for Faculty

<table>
<thead>
<tr>
<th>Degree</th>
<th>Semester</th>
<th>Faculty Member</th>
<th>Degree</th>
<th>Semester</th>
<th>Faculty Member</th>
</tr>
</thead>
<tbody>
<tr>
<td>B. Tech.</td>
<td>1st</td>
<td>Mr Aswini Ranjan Khuntia</td>
<td>MCA</td>
<td>1st</td>
<td>Mr Pradeep K Jena</td>
</tr>
<tr>
<td></td>
<td>3rd</td>
<td>Mr Rajesh Kumar Dash</td>
<td></td>
<td>3rd</td>
<td>Mr Anisur Rehman</td>
</tr>
<tr>
<td></td>
<td>5th</td>
<td>Dr Abhiro Mukherjee</td>
<td></td>
<td>5th</td>
<td>Mr Arkopra B Mandal</td>
</tr>
<tr>
<td></td>
<td>7th</td>
<td>Mr Bhawani S Pattanaik</td>
<td>MBA</td>
<td>1st</td>
<td>Mr Bhanu P Behera</td>
</tr>
<tr>
<td>PGDM</td>
<td>1st</td>
<td>Dr E Raja Rao</td>
<td></td>
<td>3rd</td>
<td>Dr Suresh Ch Pattanaik</td>
</tr>
</tbody>
</table>

VIDEO MAKING COMPETITION BY CLUB EUREKA

Club EUREKA organised a Movie Making Competition for the students of NIST few days back. The theme of the competition was ‘NIST College Life.’ Twenty two videos were uploaded in the YouTube. Based on the youtube hits: views, likes, dislikes and the jury’s marks, the winners were selected and were awarded with cash prizes (Rs. 10,000 for all winners) during Waves 2012. People who have missed the opportunity to watch the videos can follow the link: https://www.youtube.com/user/ClubEureka.
The institute hosted the 9th Asim Memorial Engineers Cricket Cup 2013 during 17th to 20th April 2013. The matches were played at the college cricket ground. Cricket teams from different colleges of the state: G.I.E.T., Gunpur; C.V.Raman Engineering College, Bhubaneswar; GIACR, Raygada; CEB, Bhubaneswar; SMIT, Berhampur; RIT, Berhampur; APEX, Bhubaneswar; and the host institute, NIST, Berhampur participated in the tournament.

Rain and bad weather condition washed away the final match between C.V. Raman and GIET and hence both the teams were declared Joint Winners for 9th Asim Memorial Engineers Cricket Cup-2013 at Berhampur University Ground. Dr Mihir Hota, Faculty member, NIST presented the trophy to both the teams along with other awards. The tournament was organised and coordinated by Mr Vinay Kumar Das, Coordinator, Students Activity Center. NIST.

NIST-A WON THE 3RD ARGONAUTS TROPHY-2013

The Institute organised the 3rd Inter College Basketball Tournament, ‘ARGONAUTS TROPHY’ during 15th to 18th April 2013 in the college campus as a part of its Annual Sports Meet. Ten colleges of Odisha, GIACR, Raygada; C.V.Raman College of Engineering, Bhubaneswar; COEB, Bhubaneswar; SILICON, Bhubaneswar; SMIT, Berhampur; VITAM, Berhampur; Orissa Engineering College, Bhubaneswar; Xavier College, Ranchi along with two teams from NIST, NIST A and NIST B participated in the tournament.

NIST won the ‘3rd ARGONAUTS TROPHY-2013’ in the final match against SILICON, Bhubaneswar on 18th April-2013. SILICON Basketball team was declared Runner’s-Up of the tournament. Prof Geetika Mudali, Placement Director, NIST presented trophies to the Winner and the Runner’s-Up along with others trophies to the respective teams. The tournament was coordinated by Mr Vinay Kumar Das, Coordinator, NIST Students Activity Center.

Winner : NIST, Berhampur
Runner’s-Up : SILICON, Bhubaneswar
Best Scorer of the Match : Saraf, SILICON
Best Player of the Tournament : Swadhin Nayak, NIST

TRAINEING PROGRAMME ON ANSYS

A five-day training program on Ansys was organised in the institute from 5th April 2013. All the faculty members of the department of Mechanical Engineering and Electrical Engineering along with the students of the department participated in the programme.

Obituary

The institute grieves the sad demise of its staff, Mr K. Rajendra Reddy on 2nd April 2013 and prays God for the soul to rest in peace.
Think Ware, a venture of KC Robotics & Embedded Pvt. Ltd., Noida in collaboration with NIST Robotics Club conducted a Workshop on ‘Eye Botics’ in the college campus on 13th and 14th April 2013. This workshop focused on Image processing in Matlab Image Acquisition, Image Manipulation in MATLAB, Integrating Image Processing Code in Real Time, Ball Following Robot, and Object Tracking Robot.

Total 181 Students from different semesters participated in the workshop. Mr Swagat Kumar Samantaray, Faculty Advisor, NRC along with the members of the club and other faculty members coordinated the workshop.

11TH ANNIVERSARY CELEBRATION OF NIST E_NEWS
The National Institute of Science and Technology celebrated the 11th Anniversary of its monthly newsletter, NIST e_news, on April 05, 2013 at its premises. The program was inaugurated by a Cake Cutting ceremony by Director Prof. Sangram Mudali and Placement Director, Prof (Mrs) Geetika Mudali. Speaking on the occasion, Prof Geetika Mudali congratulated the e_news editor and the student volunteers and appreciated their efforts in bringing out each issue of the magazine. Prof Sangram Mudali, who chaired the meeting, persuaded the students to look beyond and go that extra mile in substantiating their future goals. He also inspired students with his talk on how they can be good observers of the issues that are plaguing the society including corruption, illiteracy, water problem, environmental pollution, etc., and contribute articles about the same for e_news thereby proving their mettle in becoming the true citizens of the country, and the world.

Mr Dipti Ranjan Lenka, Editor, NIST e_news, spoke about the contribution of e_news in highlighting all the events, publications, seminars, conferences, workshops (both those hosted at NIST and those attended by our various faculty members), and thanked all the writers and student volunteers for their constant support. Dr E. Raja Rao, Professor, Dept. of English, proposed the Vote of Thanks.
NIST WELCOMES

Dr Prabhat Kumar Sahu joined as Associate Prof. in the Dept. of Chemistry. He has obtained his M. Sc. and M. Phil in Chemistry from Sambalpur University and his Ph. D in Computational Chemistry from National Chung Cheng University, Taiwan. Dr. Sahu was an Alexander von Humboldt Research Fellow at University of Wurzburg, Germany during 2007-2009. He has also postdoctoral research experience at National Science Council, Taiwan during 2006-2007, 2010-2011 and at University of Wurzburg, Germany (German Research Foundation), during 2009-2010. He has presented his pioneer research works at several International Conferences and published his research articles in different peer reviewed International Journals. His research interest lies in the areas of Computational Chemistry, Molecular Modeling, and Graph Theory.

Mr Madhu Sudan Kumar joined as Asst. Professor in the Dept. of Computer Science and Engineering. He has done his B. Tech and M. Tech in CSE from RVS College of Engineering and Technology and NIST respectively. He has two research paper publications in the proceedings of International Conferences and one in a National Conference. His research interests include Finance Engineering and Parallel Programming.

Ms Deepika Rani Sahu joined as Asst. Prof. in the Dept. of CSE. She has done her B. Tech from RIT, Berhampur and M. Tech in CSE from NIST. Before joining NIST, she worked for some time at ParalaMaharaj Engineering College, Berhampur. Her research interest lies in the area of Software Engineering.

Mr Santosh Kumar Acharya joined as Asst. Prof. in the Dept. of Electronics and Communication Engineering. He has done his B. Tech in Electronics and Telecommunication Engineering from Balasore College of Engineering and Technology, Balasore and M. Tech in Wireless Communication Technology from NIST. His research interest lies in the area of Advance 3G/4G Wireless Communication Systems.

Mr Arttatran Sahu joined as Faculty member in the Dept. of Electronics and Communication Engineering. He has done his B. Tech in ECE from NIST. His research interests lie in the areas of VLSI and Signal Processing.

Mr B. Rajanarayan Prusty joined as Assistant Professor in the Dept. of EEE. He has done his B. Tech in Electrical and Electronics Engineering and M. Tech in Power System from NIST. He has more than six years of teaching experience to his credit. He has attended and presented many papers in National and International Conferences. He has published a book titled Power System Analysis: Operation and Control from I. K. International Publishing House Pvt. Ltd., New Delhi. His research interest lies in the area of Power System Stability.

Ms Ruchika Padhi joined as Assistant Professor in the Dept. of Computer Science Engineering. She has done her B. Tech from BPUT and M. Tech from IIT Kharagpur. She has around four years of teaching experience. Her research interest lies in the area of Wireless Sensor Network.

Dr P. S. Rama Sreekant joined as Associate Professor in the Dept. of Mechanical Engineering. He has done his B. Tech in Mechanical Engineering from JNTU, Andhra Pradesh, M. E. in Machine Design from Andhra University and Ph.D. in the same from IIT, Guhawati. He has more than five years of teaching and research experience. He has been awarded scholarship by MHRD during his Ph. D, Young Scientist Travel Award by Science and Engineering Research Board, Department of Science and Technology, Council of Scientific and Industrial Research Foreign Travel Award for Bright Young Indian Scientist. His research interest is well reflected by his membership of various reputed bodies such as: Member of Society for Biomaterials and Artificial Organs - India. LM 552, Member of Materials Research Society of India. LM 1682, and Member of Indian Society for Biomechanics. N-272.

Mr Prasant Kumar Mohanty joined as Assistant Professor in the Dept. of Computer Science and Engineering. He has done his B. Tech in Information Technology and M. Tech in CSE from NIST and GIET, Gunupur respectively. He has more than three years of teaching experience and his research interests include High Performance Computing, Theory of Computation, and Compiler Design.

Mr Kishore Golla joined as Assistant Professor in the Dept. of Computer Science and Engineering. He has done his B. Tech from JNTU, Andhra Pradesh and M. Tech in Computer Science and Technology from Andhra University. He has also qualified UGC-NET, June 2012. He has the credit of publishing two research papers in reputed International journals. His research interest includes Network Security and Artificial Intelligence.
Mr Sachidananda Prasad joined as Asst. Prof. in the Dept. of Electrical and Electronics Engineering. He has done his M. Tech in Power System Engineering from VSSUT, Burla and B. Tech in Electrical Engineering from GHITM, Puri. He has over four years of teaching experience. His research interests include Power System Stability and Control using FACTS Devices.

Mr A. B. Pradeep Kumar joined as Asst. Prof. in the Dept. of Computer Science and Engineering. He has done his MCA from Andhra University and M. Tech from GITAM University, Andhra Pradesh. He is an OCPJP (Oracle Certified Java Programmer). He worked with TCS, Mumbai as SAP ABAP consultant. He has to credit two research paper publications in national journal and one international journal. His research interests include Data Mining and Knowledge Representation.

Mr Aditya Prasad Padhy joined as Asst. Prof. in the Dept. of EEE. He has done his B. Tech from BPUT and M. Tech in Power System Engineering from VSSUT, Burla. Before joining NIST, he worked for some time at KIT, Berhampur. He is a Life Member of International Association of Engineers, (IAENG), and Life Member of International Association of Computer Science and Information Technology, (IACSIT), Singapore. He has published a paper in the proceedings of a National Conference. His research interests include Distribution System, Multi-objective Optimization, and Power Quality Improvement.

Mr Priyatosh Mahish joined as Asst. Prof. in the Dept. of EEE. He has done his B. Tech from B. P. Poddar Institute of Management and Technology and M. Tech from BIT, Mesra. He worked as a Project Assistant at IIT Kharagpur for six months.

Ms Soma Hazra joined as Asst. Prof. in the Dept. of CSE. She has done her ME from Jadavpur University. She has over two years of teaching experience as a Faculty member at Regional Institute of Technologists and Analysts and over six months of industry experience as a Web Developer at Assurgent Technology Solution. Her research interests include Information Security and Cryptography.

Ms Terranum Marriyam joined as a Faculty member in the Dept. of English. She has done her MA in English from Khalikote Autonomous College, Berhampur.

Mr Soumya Ranjan joined as Asst. Prof. in the Dept. of EE. He has done his B. Tech from BPUT and M. Tech from BIT, Mesra. He has around one year of experience as Network Administrator at BCS Tech Pvt. Ltd., Bangalore. He has published two research papers in International Conferences and one in International Journal of repute. His research interests include Power Electronics and Drives, Soft and Evolutionary Computing, Multi-objective Optimization, and Signal Processing.

Ms Swati Dora joined as a Faculty member in the Dept. of English. She has done her MA in English from Khalikote Autonomous College, Berhampur.

Dr Pinaki Sarkar joined as Assoc. Prof. in the Dept. of Mathematics. He has done his M. Sc. in Mathematics from Chennai Mathematical Institute (CMI), Chennai and his Ph. D from Jadavpur University. Kolkata on the thesis ‘Application of mathematics and cryptography in wireless sensor network’. Before joining us he was working at Institute and Engineering and Management, Kolkata as a Senior Lecturer. His research interests include security in wireless sensor network, cryptography, finite fields, and number theory.

Mr N. Dillip Kumar Chaudhury joined as Lab Supervisor in the Dept. of Electronics and Communication Engineering. He has done his ITI and Diploma in Electronics and Tele-communication Engg. from Govt. ITI, Berhampur and KIT, Berhampur respectively. He has around one year of industry experience to his credit.

Mr Nimai Charan Polai joined as Laboratory Supervisor in the Dept of Electrical Engineering. He has done his Diploma in Electrical Engineering from GSE, Berhampur, and has two years of work experience.

Mr Suneel Kumar Rath joined as a Lab Supervisor in the Dept. of CSE. He has done his MCA from NIST and has around two years of industry experience working as Associate Software Engineer at eMIDS Technologies, Bangalore.

Ms Madhusmita Mishra joined as Lab Supervisor in the Dept. of CSE. She has done her BCA from Academy of Technocrats, Berhampur. She has one year of experience working as a Lab Assistant at CIITM, Berhampur.

Ms Pratibha Priyadarshani Patra joined as Lab Supervisor in the Dept. of CSE. She has done her MCA from Khalikote College, Berhampur.

Mr Keshav Mahakud joined as an Office Assistant.
Hello dear readers! Time for some information. The Latin term nomenclatura refers to giving names. Don’t worry! This time you will not read anything about etymology but this is just to say that your and only yours, A CONVERSATION TO REMEMBER is going to give itself a nickname. This name comes from a combination of few of its words A CONVERSATION TO REMEMBER, ‘version’ which means change, new...

You know, every time that Version goes for an approval of the article, it is always bombarded with expectations for a student-oriented article. So for a change, listening to them, Version presents – ‘The New Nomenclature’.

The New Nomenclature is not about cats in the mess, definitely not about food. If you think it can be about the 100 minute classes or about the amount of effort put in by students in writing their lab records (as price of lab record is inversely proportional to the number of pages used), then my dear friends, version is going to dishearten you.

It is something for which we flock to the “TECH MALL” (again a peculiar nomenclature in itself), something that isn’t controlled by the mall co-owner! It is the monthly tariff plans of different mobile service providers….not exactly monthly, but a 14/28 day mobile tariff plan which is the new nomenclature for the fortnight/month.

Some quick calculations:

1 new month=28 days; remaining days=365- (12*28) =29 days i.e., one new month. So in a year, we actually pay for a month more that is not on calendar!

Even more perilous is the lift nomenclature. Version went to a college and found itself searching for a pit to hide its face when few “known humans” (friends before they started the embarrassing conversation) were discussing that they will have to climb a floor as the lift there had numbers-0,1,2,3 and 4 whereas they wanted to go to the 5th floor (as per the prevalent nomenclature 1,2,3,4,5). The others who were “unknown humans” smirked and Version… pretended as if it does not know what is going on.

And here comes the worst of all, "LYT LO". Mind it- hear the word, do not listen to it. Today if someone says lyt lo, they are taking their careers lightly, the expectation of their family lightly and above all even their existence lightly. Imagine the scenario if Mother earth says she wants to take “lyt lo”. How would it feel floating around with no direction? We would never have been here had Newton taken the apple that fell on him lightly, thanked God and relished it.

Thus a whole lot of dangerous nomenclature and even more treacherous are their after-effects. So time for the golden words of Version- “If you can’t change the ills around you, do not at least accept them”. The tariff packs have this fortnight/month new nomenclature but reality is different. The kindergarten children will still be taught that a month equals 30/31 days. Whatever you see around you, do not forget that nomenclature of floors follow the whole number system(0,1,2,...) and not the natural number system(1,2,3,...). And lyt lo…. if you take it “lyt” then you become a load that will be shed…. sooner or later.

National Institute of Science & Technology, Berhampur, 761008

A CONVERSATION TO REMEMBER -THE NEW NOMENCLATURE

Ms Shailaja Pandey, B. Tech. 5th Sem., Team e_news
In Conversation with Mr BIREN PADHY (2005-2009)

1. Your experience at NIST?
   I had a mixed experience and enjoyed life on campus as if I was a part of an amalgamated society and every aspect with respect to life was justified equally for everyone.

2. Best moment on campus?
   The day I got recruited by WIPRO. It was heart throbbing and exciting as well. It was a test for a lifetime which pioneered the way of my life.

3. Your experience on SANKALP?
   If I go back to the past, memories down the lane are colourful as I was assigned the position of coordinating the accommodation and transport department during the fest.

4. Your favourite faculty advisor?
   Dr. A.K. Panda because I’ve learnt a lot of things from him especially how to maintain a strong moral character and about holding nerves during pressurised situations.

5. About NIST?
   Just one thing “if you are ready to face the reality come forward to NIST”.

6. Life outside NIST?
   As I’m working in EMPHASIS right now, life is great and fun for sure but what I miss being a student of NIST are the classes especially the BACKBENCHER’S COUNCIL.