Message from the Director

The sudden demise of Rasmita Mohapatra on June 18th, a student of the 2002 batch has shocked all of us. Her absence will be felt by us forever. When I first heard the news, it was as if lightning had hit me on the head. Words cannot describe the trauma that family and friends underwent on her departure. Her batchmates and hostelmates all remember her for the moments of togetherness and enjoyment. May her soul rest in peace.

On the brighter side I am proud to announce that NIST is the first institute among all private engineering institutes in entire eastern India and the only one apart from NIT, Rourkela and UCE, Burla, in Orissa to have been approved by the All India Council for Technical Education (AICTE) for the M.Tech program in Electronics & Communication Department. This amply demonstrates that our quality in technical education is now being widely recognized. What does M.Tech mean to us? It means that we will now work on sponsored projects from the industry on the cutting edge of technology. It means our faculty members will guide M.Tech students and therefore produce state-of-the art research papers. It also means that NIST will be counted as the youngest among the top institutes of India having such a program. I am sure that our students having top GATE percentiles will prefer NIST for their postgraduate program. Many industries have already expressed their interest to sponsor our M.Tech program through grants and scholarships. Our curriculum and research will focus on Communications (High frequency, Wireless), Embedded systems and VLSI design and Engineering.

As a member of the Biju Patnaik University of Technology syllabus committee and a member of the Academic Council, I am privileged to inform that a novel, radical and trendsetting syllabus and regulations for B.Tech, MCA, M.Tech, Ph.D, has been designed and implemented. The credit goes entirely to our Hon'ble Vice Chancellorof BPUT, Prof Damodhar Acharya and his team who have taken the challenge to innovate and push Orissa's technical education to the first place in the country. I can keep writing about the great things that have been planned but then it is letting the cat out of the bag. So be patient, you will get the details shortly! With Best Wishes,

July 15, 2003   **Sangram Mudali**

Message from the Editor

NISHA SHARMA, the brave girl of Delhi, dared to put her would-be groom behind bars for demanding dowry. Our full support, respect and good wishes are towards this bold step by the courageous girl. In Orissa, the State Commission for Women(SCW) is continuously putting its effort for dowry-less marriage. On an average, 420 women are killed every year because of dowry in Orissa and 1870 cases are filed because of dowry torture and about 35 women commit suicide. In 1999, there were a total of 1732 cases of dowry torture and the total deaths stood at 382. In 2000, it jumped to 1830 and 448 respectively and in the year 2002, the dowry related cases stood at 2027. In the first two months of this year already 54 dowry-related homicides and 5 suicide cases were reported in Orissa(Indian Express May 21, 2003). This shows the real picture of dowry-related problems and its effect in the state. The increasing number of cases indicates that women have learnt to resist those antisocial elements. The Dowry Prohibition Act 1961, The Domestic Violence(Prevention) bill, Section 113 B of IPC, Section 498A of IPC, Section 304B have been promulgated to prevent and punish dowry related cases. I urge all of you to take the responsibility to demolish this curse from our society.

On the academic side NIST students have proved their talent again in getting jobs and in getting 100% marks in university exams. I congratulate all of them.

July 15, 2003   **Partha S Mallick**

Letters to the Editor

Sir, I am in XIM, Bhubaneswar now. Here life is more hectic than that of NIST. Assignments and quizzes are as common as breakfast and dinner. One will not be surprised to get a quiz notice at 11pm in the night. NIST has prepared us for 90 min of class and giving presentations.

One thing that I want to mention that we can't access the NISTe-news of May and the NIST e-news of June is also not uploaded. Again is NISTian out of publication now? We out here regularly check NISTe-news and so please look into it that it is uploaded regularly. Waiting for reply. Regards, Ritwick Sanyal, Roll:38, PGP-1, Room -128, Block - C, XIM Campus, Bhubaneswar.

Editor: Thanks for your mail. May issue has been uploaded on the website. June issue was not published due to Summer vacation. We will upload future issues of NISTe_news ASAP.

We are shocked………at her sudden demise

Rasmita Ku.Mahapatra, our beloved student of 2002 batch
Belongs to: River Road, Mala Sahi, Bhanja Nagar-761126
Father: Mr. Prabhakar Mahapatra
Mother: Mrs. Suprabha Mahapatra

In the Next Issue…..

- **JEE Counseling - 2003**
- **Summer Course - 2003**
- **Highlights of BPUT Syllabus**
- **Person of the Month**
- **Many other news, as usual**

The next issue will be published on August 15, 2003. Send your message on or before August 10, 2003 to NISTe_News@yahoo.com. Thanks NISTe News

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Our Student Representatives

Balakrishna Gupta, Aruna Kr Tripathy, Manoranjan Jena, Bijoy Shekhar Shroff, Sunita Panigrahi, Sudhansu Sekhar Sadangi, Vivekananda Dora

Special News

Recruitment – our Last months success!!

We are giving here a list of students who have got jobs/higher education opportunities in the last month only. It's a source of inspiration for all of us.

From 1998 Batch:

- Bijoyendra Ratan Kundu - Infosys Technologies
- Ruchir Bal - Infosys Technologies
- P. Harita - Infosys Technologies
- Arpita Ghosh - Infosys Technologies
- Soumya Prakash Parida - Infosys Technologies
- Bibhubrata Jena - Hoogly Mills, Kolkata

From 1999 Batch:

- Mahesh Prasad Sahu - Losung Automation
- T. S. Ravikanth - Losung Automation
- Neelam Mohanty - MBA, GITAM, Vizag.
- Abhijit Bhowmick - Convergys Services Ltd, Delhi.
- Satyabrat Jit - MS(DSP), University of Central Lancashire, UK

NISTians congratulate all of you and wish you all success.

80 out of 80 in University Exams!!

NISTians congratulate all the 3rd semester students who have secured 80 out of 80 in Engineering Mathematics-III in the recently published University Examination. They are …. Abhishek Panigrahi, Minakshi Patro, Amit Kr. Sahu, Niharika Mahakud, Prabhat Kishore Nayak, Mihir Kr. Panigrahy, Minati Sahu, Munmendu Senapati, Amit Kr. Haldar, C. Nalini, Puspa Chaudhury, Prasanna Chandrika Das, K. Surendra Kumar, Rohon Kanungo, Tatini Mishra, Santosh Kr. Panda, P. Puhan, Sarthak Ray, Rajendra Kr. Rout, Pabitra Mohan Samal, Saroj Kr. Satpathy, Smrutiska Mahapatro, Loknath Meher, Asit Kr. Mishra, Swetapadma Patnaik Paricha, Rajalakshmi Sahoo, Subodh Ranjan Satpathy, Manoj Kr. Tripathy, Sitesh Haldar, K. Narayan Prasad, Purnendu Nayak. Kudos to the Instructor Mr Indranath Bhattacharya for his dedication and quality teaching.

Congrats!! Mr Subhasish Maharana..

Mr. Subhasish Maharana, our Lab Supervisor of Computer Science department, has received

his Advance Diploma in Computer Applications(ADCA) Certificate from Hon'ble Speaker of Orissa Legislative Assembly Mr. Sarat Kumar Kar. The Certificates were distributed at the 14th Convocation of IGNOU which was held in Soochna Bhawan at Bhubaneswar. Hon'ble Speaker of Orissa Legislative Assembly Mr. Sarat Kumar Kar was the Guest of Honour. Sir John Daniel, Asst. Director UNESCO, former Vice-Chancellor of UK Open University was the Chief Guest. Among others Dr. K Kasturirangan, Chairman ISRO, was one of the Guests.

Our Success at Career Fairs

- NIST participated in a CAREER FAIR at Ranchi. Prof. Arun Patnaik & Mr. Sidhartha B Nilamani represented NIST in this fair. The Career Fair was inaugurated by Mr. Babulal Marandi, former Chief Minister of Jharkhand on May 16, 2003 afternoon at Ranchi Club. He admired the success of NIST when he was briefed by Prof. Arun Patnaik that at present around 40 students are already studying at NIST from Ranchi. He also praised the impressive stall presentation by NIST. Our infrastructure & quality academic program and experienced faculty impressed the visitors and students who showed keen interest to take admission in NIST.

- In an another Career Fair held at Ice Scating Rink, Kolkata on June 14 –16, 2003, NIST was one of the participants among 51 renowned engineering colleges of India. Dr Arun K Padhy, Dr Partha S Mallick and Mr Shom Prasad Das represented NIST in this fair. Response from the students and their guardians was encouraging. It was observed that most of the technical institutes of West Bengal are aware of NIST's quality and disciplined education.

NIST Welcomes U….

Welcome!! **Dr. Saroj Kumar Meher** to our NIST family. Dr Meher joined NIST in the department of Electronics and Communication Engineering on July 2, 2003. He has a Ph.D in Electronics from NIT, Rourkela. He did his Master of Science in Physics with Specialisation in Electronics from the same institute. He has 4 years of Research experience during Ph.D and two years of Teaching experience in GIET, Gunpur. He has published more than 27 research papers in different Journals and Conferences. He was honoured with 3 Gold Medals from the Institute of Engineers for the best research papers in 1999, 2000 and 2001. The area of his research interest is Adaptive Signal Processing, Image Processing and Soft Computing. He is the life member of IETE, OITS.

We welcome **Mr. Veera Kiran Kumar Ganji** who joined NIST on July 2, 2003 as a Lecturer in the department of Electronics and Communication Engineering. He is an M.Tech in Microwave Engineering from IT, BHU. Mr Kiran worked in CEERI, Pilani on Design of PPM for Micro-TWT and did some commendable work which was published in a National Conference of Microwave, Antenna Propagation and Remote Sensing conducted by International Center for Radio Science. His present research interest is in Microwave Communication Systems and Radar Engineering.

We welcome **Mr Prasanta Samal** who joined us on June 18, 2003 as a Lecturer in Computer Science Engineering department. Prasanta passed his Bachelor of Engineering(Computer Science and Engineering) from NIST in the year 2000. Then he completed his Master of Engineering(Computer Science and Engineering) from Jadavpur University, Kolkata in the year 2002. He then joined in IEM, Jeypore and worked there for one year as the

HOD of Computer Science and Engineering department. His research interest is in Image Processing, Computer Communication Network and Distributed Computing.

We welcome **Ms Mahasheta Mishra** and **Ms Suchilipi Nepak** who joined us on June 18, 2003 as Junior Lecturers. They did their Bachelor of Engineering from NIST in the year 2001.

<div align="center">We wish all of you tons of success.</div>

Seminar on YOGA and MEDITATION

Maharshi Dr V K Roy, founder and life member of *Hundred Years Club*, Hyderabad presented a seminar on June 26, 2003 on YOGA and MEDITATION in the conference room of Lecture Hall complex. Dr Roy is a distinguished personality in this area and visited different countries many times for delivering speech in conferences, seminars, workshops etc. He clearly explained the necessity of YOGA and MEDITATION in our everyday life. Dr Roy explained different Meditation Techniques and taught the breadthing Meditation Technique.

Research and Development

Research Papers

1. **S K Upadhyay**, A N Dash and **S R Samantaray**, "Prevention of failure of Power Transformer: A RCM framework", Published in *Electrical India*, Vol. **43**, No 10, 30-38 July 2003.

Alumni Page

From Mailbox:

Date: 30 Mar 2003 12:39:17 – 0000
From: "soumya ranjan mahakul"<soumyar@rediffmail.com>
To: ravipreddy@yahoo.com   **Subject: feel good**
Sir, I hope you remember me. I have joined *Satyam* after a long delay. Santosh and me are having a nice time here. We are doing well here. We are not finding any difficulty here because we have already gone through our college environment and believe it or not, whatever we know, very few people know it here. It's only because of our college environment and the teaching we got. We will be in a project for British Petroleum and in open systems. Most probably we will be working in Java. Thanking you **Soumya Ranjan Mahakul**, Plot no:1574/2565, Bhakta Madhu Nagar, Bhubaneswar, PIN - 751030.

Date: 8 Jul 2003 15:18:01 -0000
From: "Placement Director" <nist_placement@rediffmail.com
To: psmallick@yahoo.com
Subject: Hello
Dear Sir, I am glad to tell you that I have joined *Infosys* as a software engineer trainee. I will be under training for 3 months. I am very thankful to you and all others concerned for your support even after passing out. I must tell you that due to the distinguished curriculum followed in our college, mostly IT oriented training is giving me results now. I am at much ease with the training in comparison to others here. The extra courses followed in our college are very much needed in the IT sector. So I thank you for that. Regards, SOUMYA PRAKASH PARIDA, Software Engineer Trainee, Infosys Technologies Limited, Building No. 12, Infocity Park, Bangalore – 560100

Date: 29 Apr 2003 09:53:16 -0000

From: "atmakuri srinivas rao" <srinivas_rao19@rediffmail.com>
To: abhro456@yahoo.com
Subject: Hai

Respected sir, I got a job in TANIRBAVI POWER COMPANY PVT LTD in MANGALORE and joined on 28th April. They posted me as GRADUATE ENGINEER TRAINEE for six months training period so I want your advice what to do in this training period. I am waiting for your reply. Regards, **Srinivas Rao.**

Interview

Here is an Interview of Mr D. Ramakrishna, our 1998 batch student, now working with MASTEK, Mumbai.
Date: Mon, 5 May 2003 20:38:33 +0530
From: ramakrishnad@mastek.com
To: niste_news@yahoo.com
Subject: Ramakrishna.Questions and Answers

Hello Partha Sir, How are you and how is everything at NIST? Feeling nervous answering your questions actually. **Ramakrishna**

e-news--Please...few lines about yourself.
Ramakrishna---I am D.Ramakrishna, NISTian from 1998 batch. My branch was Electrical and Electronics Engineering. Presently working with MASTEK, Mumbai.

e-news--From your NIST Memories...
Ramakrishna--It's a popular belief that we realise the true worth of our family when we are made to stay away from them. Consequently, I am realising the important part played by the NIST family in my life. The journey has been fantastic, right from the time when the second floor of our lecture Hall Complex was under construction in parallel with our classes in the ground floor, to the time when we spent hours together in our octagonal library just because it was so splendid!! On a serious note, all faculty members have been very supportive throughout. I would like to take this opportunity to name a few. Sangram Mudali sir, Ravi Reddy sir(My B.E project guide), B.K.Dash sir(Training Co-ordinator), Jagganath Mohanty sir and Pratham Pulak Tripathy sir(PPT co-ordinators), Late Ajil Khatua sir, Padhy sir, and last but not the least Ranjan Mishra sir (my Technical Seminar guide). I was a very active participant in waves and was a part of NIST cricket team, though we never played a lot of matches.

e-news---About your present job...
Ramakrishna---I am presently employed with MASTEK, Mumbai based $300 million Software MNC having branches in USA, UK, MALAYASIA, JAPAN, EUROPE and ASIA PACIFIC regions. Started in 1982, this company initially concentrated on domestic markets like Proctor and Gamble for a long time and it's only now that they are seriously carrying out exports. I am lucky to be joining this Organisation during it's transition stage where it is striving to grow aggressively to become the second highest Software Exporter in the world after TCS by June 30, 2004. For this, they realise the need for young, fresh and innovative minds to be recruited to important posts and subsequently changes are taking place in the whole hierarchy. Frankly, I am surprised that few students knew about MASTEK in my time and maybe even now. I joined as a programmer trainee. We were provided with both Software and Soft Skill training. Under Software training, after a month of generic capsule training where we were trained in RDBMS, OOPS and ORACLE, we were trained in Dotnet during our next month of specific training with C#.net as the programming language and MS-

Windows and platform. Writing straight forward simulation programs in C to designing webservices, banking and Chat-server softwares and implementing them was a big transition, but it's Ok now.

e-news---Any Suggestion for your juniors...

Ramakrishna---Everyone has his/her own way style of learning. The case wasn't different with me. The best thing about training at MASTEK is that they not only teach you the Technology but also they teach you how to learn and adapting to that style paid me off. Apart from that, whatever you learn, get your concepts right because clearing concepts is essentially an indirect way to learn "How to Learn", which is half the battle won in any kind of job. Last but not the least, please take the deadlines and assignments seriously. You will know the value of all the pressures at NIST when you are into a job and trust me, if you meet deadlines of NIST, you will be able to meet deadlines anywhere!!! If possible, everyone should Grasp OOPS fundas. you guys have better faclilities for academics and it keeps improving with every batch. plus our Director's venture to start self based training at college level is a great one as this is how you will learn new technologies in a job, when you are on bench and you are given a buffer period to train yourself before you join a project team.

e-news---How did you reach here...from your experience.

Ramakrishna: I was at Rourkela after Finishing my term at NIST when I came across this Vacancy in the Times of India, ascent. I forwarded my Resume. I was called for the written test (GMAT type), G.D and Interview (Tech and HR) which was at their Mumbai office in SEEPZ(Andheri East). By God's grace I got selected and I am here as MASTEK engineer.

Student's Corner

Congrats!! Satyabrata Jit

Satyabrata Jit of final year got the final call from University of Central Lancashire, UK for his MS degree in Digital Signal and Image processing. The course will start in September 2003. We wish you a successful completion of your MS degree from University of Central Lancashire. All the best.

JOB Tips

(Source: Digital Electronics – Principle and Applications - By Roger L Tokheim)

1. Read employee handbook and all other materials supplied by employer.
2. Technicians with hardware and software skills are in great demand.
3. Continuing education is essential in any technical occupation.
4. Best interview policy is to be open&honest. Never exaggerate, but don't sell yourself short.
5. Job application forms, resume etc. should be filled out legibly with no spelling errors.
6. It is wise to use polite and ethical behavior when quitting a job.
7. On a new job, seek the help and advice of the positive leaders in your group.
8. Use companies evaluation process, networking and good work to gain promotions.
9. The most valuable employees have good technical skills and positive attitudes.
10. Physical appearance and personal manners influence the impression you make on others.
11. Be on time - to interviews and to work.

(NISTe_News is grateful to **Mr. M Suresh**, Faculty of ECE for his effort in collecting this).

Oh ! The English Language   Chinmoy K. Pattanayak, CSE, 3rd Year

We'll begin with a box, and the plural is boxes,

But the plural of ox should be oxen, not oxes,
Then, one fowl is a goose, but two are called geese,
Yet the plural of mouse should never be meese
You may find a line of mouse or a whole set of mice,
But the plural of house is houses, not hice.
If the plural of man is called is always called men,
Why shouldn't the plural of pan be called pen?
If I speak of your foot and you show me your feet,
And I give you a boot, would a pair be called a beet?
If one is a tooth and a whole set is a teeth,
Why should not the plural of booth be called beeth?
Then, one may be that, and three may be those,
Yet hat in the plural would never be hose;
And the plural of cat is cats, and not cose.
We speak of a brother and also of brethren,
But though we say mother we never say motheren.
Then the masculine pronouns are he, his and him.
But imagine the feminine—she, shis and shim,
So English I fancy you all will agree,
Is the funniest language you ever did see.

Happily   **Sangram Choudhuri, 2nd Year**

Happily may we walk,
May it be beautiful before us,
May it be beautiful around us,
May it be beautiful above us,
May it be beautiful after us,
In beauty it starts,
In beauty it is finished.

Question of the Month

Do you think that the slowdown of IT job market will be over soon?

Yes	No

Send your answers with a short reason to the Editor at **niste_news@yahoo.com**. Result will be published in the next issue.

Last Month's Poll

The Question of the last month was "Do you think that the students should opt for Private Engineering Colleges for quality education rather than Govt. Engineering Colleges?" We have received a good response. All of them went for *Yes.* here are some of them…

Ms. Mitrabinda Panda, NIST

*Yes....*There are more facilities available in the Private colleges as there is a tough Competition between the colleges and for the survival of the college the Private colleges give more importance to the quality education as well as they are more focussed to listen to the students and making a student conducive study environment; while in Govt. colleges only paper work takes more time than the real work. Study atmosphere is hampered most of the times in Govt. colleges as a result of more no. of holidays. Due to the less fund availability Govt. Colleges do not reengineer their infrastructure to satisfy the current demand in the faculty of Engineering. Students are more disciplined in Private Colleges as most of the private colleges do not entertain the formation of Union. Moreover, in Govt. Colleges the

Teaching Quality is gradually going down as the faculty feels there a so-called secure job which is not likely in the case of private colleges.

Roshni Rani Patro, Final Year <riparani@rediffmail.com>
Yes, In Private engineering colleges generally classes are taken timely and course is completed in time. Quizes, surprise tests are held, assignments are also given, study-materials, notes or photocopies are also supplied. Attendance is also compulsory, these things make the students disciplined and regular. So, Private Engineering Colleges are gradually becoming more acceptable for quality education.

.
Mr Srinivwas Rao, Faculty, NIST
Yes, because in private institutions, result-oriented faculty members, good laboratory setups and good infrastructure are seen but on the other hand the Govt. institutions although sounds good but effectively no proper infrastructure and facilities are available.

Knowledge Teasers   Kushal Bhut & Manmit Singh, 3rd Year

1. If Coke is Big Red, which company is Big Red zero?
2. Big Blue is IBM. Which corporate is referred as 'Big Black' ?
3. Which is the world's First Patented product?
4. What did Dr. Willis Haviland Carrier, an American engineer invent in 1902?
5. Who is credited as the world's largest bicycle manufacturer?
6. Which famous corporate was founded in 1894 in Zlin and made its presence in India in 1931 and commenced the manufacturing of shoes at Batanagar plant in 1936?
7. How do we know 'The Native Stock and Share Brokers Association' today?
8. What is the area separating the earths crust and mantle called?
9. Maurice and Richard were brothers who lent their name to one of the most successful companies in the world. Name the company?
10. What were built under the project 178?
Send your ANSWER by August 10, 2003. Name will be published in the next issue.
(This time we got a good response. Among the responses 4 were able to provide all the 10 correct answers. We congratulate all of you. Answers with Questions are given below).
1. Which company started by the famous inventor Thomas Alva Edison?(General Electric)
2. Name the first Indian who won an Oscar?(Bhanu Athaiya)
3. What is the origin of the word EPSON?(Son of Electronic Printer)
4. Who gave the name *Bapuji* of Mahatma Ghandhi?(Peasants of Champaran)
5. Which was the first business organisation to use computers?(General Electric)
6. Which famous poem ends 'And - which is more - you'll be a Man my Son!'?(Rudyard Kipling's 'IF')
7. What did Marcellus Berry design in 1891, which is still used in travel?(Traveler's Cheque)
8. Mr. Frederick Smith founded a famous company – what is its name?(Federal Express)
9. We heard about MP3 music-MP3 stands for?(Motion Picture Experts Group1 Audio Layer 3)
10. Inspired by Mr. Fred Terman, two students started an electronics firm in 1939. Their first product was an audio oscillator, which was used by Walt Disney for sound effects for his film *Fantasia*. Name the firm?(Hewlett Packard).

CONGRATS!!
for sending the correct Answers of the all 10 Questions of last issue
- ❑ Leena Das Adhikary, 3rd Year(EIE),
- ❑ Jajati Keshari Das, 3rd year(EIE),
- ❑ Rishikesh Sinha, 3rd Year,
- ❑ Dharmteja Mansingh, 3rd year(ECE)

General News

NISTians Participation!!

NIST faculty Mr Suryakant Dash, Mr Bapu Mahapatra, Mr Sudhir K Nayak Mr. B Srikrishna and our MCA student Mrs. Prasanna Pati attended the International Workshop on Advanced Software Engineering held on May 31, 2003 to June 1, 2003 at the Department of Computer Science, Berhampur University. The conference was organised in collaboration with United Nation University/International Institute for Software Technology, Macau.

Thanks to all of you…

We are very much thankful to all NISTians who put their dedicated effort for sending the information brochure and NISTe_News to the successful JEE candidates. They are Gopabandhu Uttarkabat, Kishore Dash, Debendra Barik, Sagar, Haria, Santosh, Jogendra, Bhagirathi Behera(Pandu), Manoj Panigrahy, Padmanav Panigrahy, Prakash Pattanaik, Raj Mahakud, Kasi, Babana, Sai Kumar, Basanti Patro, Vinay Das, Duryodhan Sahu, Pramod Prusty, Mili Rani Behera, Poonam Priyadarshini, Malabika Pattnaik, Rabi Panda, Chanakya, Man Mohan, Bairagi, Raghu, Dilip Swain, Susant Choudhury, Birabara and Bijaya.

Wedding knot – NISTians Congratulate all of you

- Mr Susanta K Das tied the wedding knot with Ms. Rupali Mandal of Bidyadharpur, Cuttack on May 12, 2003.
- Mr Rowdra Ghatak tied the knot with Ms. Bina Saha on April 20, 2003 at Calcutta.
- Dr. Asutosh K Singh got married to with Ms. Mitrabinda Panda on June 22, 2003 at Bhubaneswar.
- Ms. Mamata Mohanty tied the knot with Mr Braja Sundar Nayak on June 23, 2003.

Wish you all a happy married life.

New Appointment

Mr. Chalpati Rao and Mr K Mohan Sahoo joined in out transport department as Driver on June 26, 2003.

Job Sites   Sushanta K Mahapatra

http://www.trehaninternational.com/(overseas manpower placement services)
http://www.trigonindia.com/(offers placement services for both contract and permanent positions)
http://www.turtlemanpower.com/(recruitment for stock markets, finance & IT industries)
http://www.udyog.com/(web centre for career exchange for Indians)
http://www.unitedyan.com/(placement, exports & immigration services, career counselling etc).
http://www.vaibhavplacements.com/(placements, talent hunt, inhouse training & development)
http://www.vaksonline.com/(recruitment consultancy, software development, e-commerce)
http://www.freeyellow.com/(members/varsha/ government-approved manpower supplier since 1981)
http://www.therightsite.com/recruitmentandplacement/(recruitment in shipping industry)
http://www.vira-intl.com/index.html(overseas manpower consultants and recruiting agents)
http://www.winjobs.com/(job resources by TMI- Network)
http://www.zamsindia.com/(placement & staffing, resume services, training & development)
http://www.icatindia.com/(staffing services for software professionals, IT jobs in India & USA)
http://www.itechws.com/(offers services to IT industries by providing computer professionals)

Person of the Month

The Person of the Month is Mr Sachindra Mohapatra, Transport Services Manager of NIST. He is the eldest son of Mr. Nagendra Mohapatra and Mrs Jenamoni Mohapatra. Mr Sachindra Mohapatra originally belongs to Cuttack. He has completed his HS examination from Cuttack college and studied in the Chitrapara college for his graduation. He got married to Mrs. Annapurna Mohapatra in the year 1998 and has a 3 year old son. Mr Mohapatra joined NIST in September 1997. He is a good badminton player and loves listening to music and is a cricket fan. He also likes to play the Hawaian Guiter. NISTians are really proud of his dedicated service at NIST. We wish him all success.

Lab-Upgradation at NIST   R K Dash and Ajit K Panda

The Laboratory facilities provided by NIST were well appreciated many times by AICTE and University experts. We are really proud of our well equipped Labs. Recently, we have added some more Hardware and Software to modernize the labs and to challenge tomorrow's technology. The recent inclusions are:

From : SAP Engineers & Consultants, Pune
1. Total Distributed Control System Trainer
Software & hardware along with supervisory control station to be hooked up with process control schemes (TDS 2001 PCST 01-02-03-04)
2. Flow Process Control Training System(PCST 01)
PID controller based flow control trainer, flow control loop with wheel flow meter as flow sensor transmitter.
3. Pressure Process Control Training System(PCST 02)
Pressure measurement & control system trainer with pneumatic control valve & electropnenmatic converter.
                    Contact Person: Mr. Bhawani S Pattnaik
From FALCON Electro-tek Pvt Limited, Mumbai
1. TDM Pulse amplitude Modulation/demodulation Kit (Model-DCL-02)
2. PCM Transmitter kit(Model-DCL-03)
3. PCM Receiver kit(Model-DCL-04)
4. Delta, Adaptive delta modulation/demodulation kit (Model-DCL-07)
5. PAM/PWM/PPM Trainer kit (Model-DCL-08)
6. Advance Analog CommunicationTraining Systems(Model-ACT-01 to ACT-04)
7. Fiber Link-A useful Trainer
8. Universal Robotic Trainer (Model – Robics – RCS-6)
                    Contact Person: Dr. Amalendu Pattnaik
From Rising Edge Systems Pvt. Ltd, Bangalore
1. Modules for Embedded Dev System with Graphics LCD and IRDA I/F and 7 segment Display I/F, LED/SW I/F
2.Doppler Radar Trainer.
                    Contact Person: Mr. Bhawani S Pattnaik
From Scientech Technologies Pvt. Ltd, Delhi.
1. Function Generator- 1MHz (Model-ST 4060)
2. CRO- 20MHz with Function Gen (Model-201)
3. Power Supply(Model- ST 4072), (Model- ST 4073), (Model- ST 4074)
4. Transmission Line Trainer (Model-ST2266)
5. Analog to Digital Converter (Model- ST2601)
6. Digital to Analog Converter (Model- ST2602)

7. Laser Trainer (Model- LT2506)
8. Optical Power meter(Model-ST2551)
9. Antenna Trainer (Model- ST2261)
10. Fiber optic connectorization Kit (Model- FOK602)
11. Micro-wave test bench (Model-MT9001)
12. Mechanical Turn Table
13. Standard gain Horn Antenna
14. Pick up Horn Antenna
16. Pyramadical Horn Antenna

Contact Person: Mr. Rowdra Ghatak

From: LAB Electronics, Chennai
1. Model-G1   Hartley Oscillator
2. Model-G2   Colpitt's Oscillator
3. Model-Y2   Audio Frequency Oscillator.
4. Model-C3   NPN transistor characteristics
5. Model-C1   PN junction characteristics
6. Model-E2   Photo diode characteristics
7. Model-M3   Electronics multimeter kit
8. Model-(M7, M8, M9, M10) Digital Frequency Counter
9. Model-Q3   PLL frequency multiplier and synthesizer.
10. Model-R1   Wheatstone's bridge
11. Model-R3   Maxwell's bridge
12. Model-R5   Schering Bridge.
13. Model-R7   Kelvin's Bridge
14. Model-R8   Owen's Bridge
15. Model-F10   Voltage Multiplier
16. Black & white TV

Contact Person: Mr. M Suresh

From: ANSHUMAN, Pune
1. Colour TV trainer
2. CRO(20Mhz Dual Trace) (Model AN102)
3. Function Generator (3MHz) (Model-FG-3M)
4. Pattern Generator (colour)

Contact Person: Mr. R K Dash

From: APLAB Limited, Kolkata
1. Auto compute LCR-Q meter (Model-4910)
2. Function Generator- 10Mhz (Model-2219U)
3. Function Generator- 2Mhz (Model-FG2MD)
4. CRO- 100Mhz (Model-3937R)
5. CRO- 60 Mhz (Model-3934)
6. CRO- 30Mhz (Model-3706C)
7. DSO-100Mhz (Model-3610D)
8. Spectrum Analyser- 1Ghz (Model-SA3011)

Contact Person: Mr. R K Dash

From: The Link, Mumbai
1. CRO-20MHz(Model-OS-5020)
2. Pattern Generator(B/W)

Contact Person: Mr. R K Dash

Future Technolgy

Biometrics **Bijoy Sekhar Shroff, 3rd Year**

Biometrics is an emerging topic in the field of signal processing. While technologies (e.g. audio, video) for biometrics have mostly been studied separately, ultimately, biometric technologies could find their strongest role as interwined and complementary pieces of a multi-modal authentication system. Biometric person authentication deals with the following problem: given some physiological or behavioural characteristics of a subject, the so-called biometrics, and those of a reference person, whose identity is claimed by the subject, confirm or deny the claimed identity. Any human physiological or behavioural characteristic that is universal, unique, permanent, and collectable could be used as a biometric. A number of biometrics has been evaluated for identification and authentication applications. For example, voice, fingerprints, face, iris, infrared facial and hand vein thermograms, ear, retinal scans, hand and finger geometry are based on a physical characteristic, whereas signature and acoustic emissions emitted during a signature scribble, gait, keystroke dynamics are related to a behavioural characteristic.

The first three biometrics that appear to be the most popular ones in the scientific literature. The major strength of voice and face biometrics is their high acceptance by the society. Fingerprints are not as much socially acceptable as voice or face is, because they are related to forensic applications. However they offer a high performance level. The previously mentioned technologies are complementary in nature, a fact that has been partially exploited in multi-modal identification and authentication systems.

Biometrics is exploited in complementary fashion to develop authentication technologies that are both accurate and not intrusive for the user. In the future, they will play a key role in access control enhancing security residing in smart cards and supporting personalized web e-commerce services. Personalization through person authentication is expected to be very appealing in the consumer product area as well.

NIST gets AICTE approval for M.Tech. Program in ECE

Ravi P Reddy

The All India Council of Technical Education, New Delhi, has granted approval to NIST to start an M.Tech. program in Electronics and Communications Engineering. This is an extremely prestigious award as NIST becomes only the third technical institution in the state of Orissa after NIT. Rourkela and UCE, Burla, to be allowed to offer this postgraduate program. NIST is the only Private Engineering College in entire eastern India to have a M.Tech Program. We see it as a symbol of recognition of the extremely hard work put in by every member of the NIST family – every student, every staff member and every faculty member – over the last seven years.

The approved intake for the first batch of students is eighteen seats and the program will be affiliated to the Biju Patnaik University of Technology. The program will offer advanced courses in VLSI Technology, Embedded Systems, Advanced Communication Technologies, Digital Signal Processing, etc. It will be heavily oriented towards the needs of the industry and will have a very large component of research projects and laboratory work. Most of the M.Tech. theses will be on research topics sponsored by the industry and this should automatically lead to placement in the sponsoring agency. Students will also be provided with scholarships.

This M.Tech. program will also give a major boost to the research activities of our faculty members and will push the quality of their work to the next higher level of excellence. We should be seeing many more publications from our faculty members in the next few years.

Finally, we see this program as another successful step in our never ending quest for academic and technological excellence.

Current Affairs   Vivekananda Dora, 1st Year

(This is a new column for our readers. Please send your comments – NISTe_News)

Indo-Pak relation – recent improvement

- In a bold initiative to mend fences with Pakistan, Hon'ble Prime Minister Atal Behari Vajpayee announced on May 2, 2003 to appoint a new High Commissioner in Islamabad and restore air links with the neighboring country. India and Pakistan have also agreed to consider reviving economic cooperation, cultural exchanges, people contact and sporting links.

- Recently, Pakistan has banned the Hizbul Muzzahidden, the largest indigenous militant group operating in Jammu and Kashmir.

- Pakistan has released 20 Indians, including 14 fishermen, from 2 years sentences served in Quetta jail in southeastern Balochistan province.

- Another significant initiative to normalize relation with Pakistan, India announced the resumption of Delhi- Lahore Bus service and release of 70 Pakistani fishermen and 60 civilians present in Indian custody on May 26, 2003.

Defence

- India's Light Combat Aircraft(LCA)- the smallest single engine fighter plane in the world - was named 'Tejas' by Prime Minister Vajpayee.

Tragedy

- At least 38 passengers were killed in a devastating fire that swept through three carriages of the Mumbai-Amritsar Golden Temple Express and reduced them to a tangled mass of reduced steel and wood near Ludhiana on May 15, 2003.

Sports

- Sydney Olympic bronze medallist Karnam Malleshwari made a superb come back after two and a half years hiatus, winning the gold in the common wealth championship held in Nuku'alofa in the kingdom of Tonga.

- Other women to win gold were N. Kunjarani devi, Sanamacha Chanu, Sunaina, Pratima kumari and Sumati Devi.

- In the Men's section A. Kathi Ravan, Satish Rai & Senthil Kumar also won gold medals.

- Hosts Mumbai regained their 35th championship title beating Tamil Nadu by 141 runs on the final of the Ranji Trophy match at Mumbai on May 8, 2003.

- India wins the four-nation hockey tournament in Hamburg, Germany. The other teams were Germany, Spain & Argentina. India won 2 of its 3 matches, losing the 3rd to Germany

- Wimbledon this year…

Mens champion:Roger Federer(Switzerland)

Womens champion:Serena Williams(U.S.A)

Mens doubles:Todd Woodbridge(Aus) & Jonas Bjorkman(Sweden)

Womens doubles:Kim Clijsters(Belgium) & Aui Sugiyama(Japan)

Mixed doubles:Leander Paes (India) & Martina Navratilova (U.S.A)

Girls doubles:Sania Mirza(India) & Alisa Kleybanova(Russia)

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Announcement of Admissions to 2-Year
Master of Technology (M.Tech.) Program in Electronics and Communications Engineering
under the aegis of the
Biju Patnaik University of Technology

❑	**General Category**	**10 seats**
❑	**Sponsored**	**5 seats**
❑	**SC/ST**	**3 seats**

NIST is the first private engineering college of Orissa to be granted AICTE approval to start an M.Tech. program. The program will offer advanced courses in VLSI Technology, Embedded Systems, Advanced Communication Technologies, Digital Signal Processing, etc. It will be heavily oriented towards the needs of the industry and will have a very large component of research projects and laboratory work. Most of the M.Tech. theses will be on research topics sponsored by the industry.

Our Mission
Our goal is to create engineering minds capable of mastering the global challenges of tomorrow's technology.

Eligibility Criteria for General Category: (a) Preference will be given to candidates having a valid GATE score and (b) non-GATE candidates having a minimum of 60% in aggregate OR CGPA of 6.5/10 at B.Tech/B.E./M.C.A. level can also apply.

Sponsored candidates must meet the eligibility criteria mentioned in AICTE circular on "Guidelines for Admission of Sponsored Candidates to Full -Time PG Degree Programs."

**For more details, contact NIST campus OR
contact the NIST Center of Excellence,
Plot 122, Sahid Nagar, Bhubaneswar, Tel: 2545154, 2545155**