Message from the Director

Somehow in my long innings as a writer for *NISTe-News*, I have perhaps never addressed the importance of sports and games to a student community such as ours. Maybe this has led to an impression that this Director is all Work and No Play. To prove my critics wrong, here is my two-bit contribution to this very important aspect of our lives. At the outset my warmest congratulations to the teams and individuals who have made our Institute proud in the sports and cultural arena in the recently concluded *Techno Fest 2007*. The Institute having won the Cricket Championship, Basketball Championship and Badminton Singles and Doubles Gold has proved that we are no pushovers when it comes to team sports. The competition was intense from the participating 50+ institutes from all over BPUT. This success of our students has further strengthened my resolve to build an indoor stadium in the campus at the earliest.

Sports and Games are absolutely essential since they contribute to the growth of the personality. Team sports build faith and confidence in the abilities of each other while individual sports celebrate merit and true grit. As an adolescent I have time and again faced defeat on the cricket field, yet the next time we were bursting with energy, making plans and strategies and going for the kill. Perhaps there is no better way to develop the "killer instinct" that on the sports arena. Ratan Tata doing the CORUS deal or L N MITTAL doing the ARCELOR deal can be attributed to this "killer instinct" which was honed in the playfields of India. There is no better medicine than a good 2 mile jog or a 10 lap swim or a game of tennis to do a lot of goodness to our body. The feeling of refreshment and accomplishment that it provides at the end of a hectic day makes one feel that it is all worthwhile. I am so elated when I see our faculty and students battle it out on the volleyball court in a spirit of camaraderie and sportsmanship.

To all the sportspersons out at NIST, keep working hard – you are truly our icons.

With Best Wishes to *NISTe-News* on its 5th Birthday.

February 15, 2007   **Sangram Mudali**

Message from the Editor

NISTe-News has completed 5 years today. I congratulate all the staff, faculty and students working for it and my special thanks to the readers for whom the magazine is being readied every month. Students from 13 states are studying in this institute. This magazine is sent to the guardians of all these students. The entire South Orissa is proud of having an Institute where students belong to different parts of the country which truly depicts "UNITY IN DIVERSITY" and at the same time reflects the concept of national integration. The entire state is proud of having a real *National Institute*. All the members of NIST family are ready to take the responsibility to create a better environment for all students, staff and faculty members. NIST is a *Home away from Home* for all of us. Let us work together to keep the banner of NIST flying high. This is the resolution on 5th Birthday of *NISTe-News*.

Happy Birthday to *NISTe-News*!

February 15, 2007   **Partha S Mallick**

Looking forward to .. ……
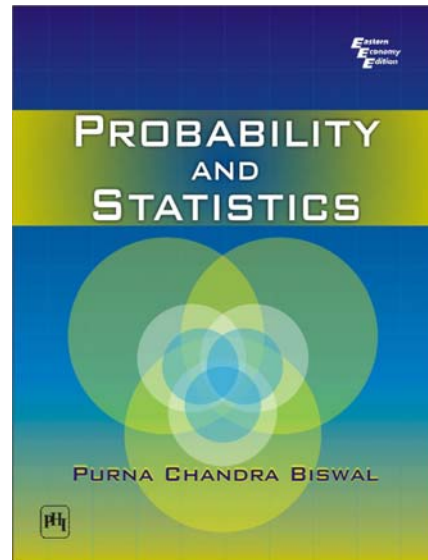*many sparkling issues ahead*

NIST Faculty awarded PhD Degree

NIST faculty **Mr Sudhir Kumar Panigrahy** has been awarded the PhD Degree from Berhampur University, Orissa in December 2006. Dr Sudhir K Panigrahi is one of the 1996ians who has been working tirelessly for NIST. He is also the first faculty of NIST who has completed PhD degree working here at NIST. The Title of his thesis is *Econometric Analysis of Household Consumption in Orissa* which was supervised by Dr B K Panda, PG Department of Economics, Berhampur University. Dr Panigrahi has published 12 research papers in various Journals of National and International repute. His PhD Theses and research findings were highly appreciated by both internal and external experts. He is one of the Co-authors of the book "Crime, Punishment and Development" published by the Deep and Deep Publications, New Delhi. He has also attended many International Conferences to present his research findings. Dr Panigrahi has completed his M.Phil from the same University in the year 1998. He is the 2nd son of Mr Parasuram Panigrahy and Mrs. Jayanti Panigrahy who belong to Berhampur. Congratulations!

Another Book by NIST Faculty

NIST faculty **Dr Purna Chandra Biswal** has written a book titled *Probability and Statistics* which has been published by the Prentice Hall of India (PHI) in 2006. This book is designed as an introductory level text and gives a clear expansion of the fundamental principles of probability and statistics. The text gives a coherent and compressive coverage of the fundamental principles of probability and statistics. The methods of computation of probability are presented in a concise and clear manner with the help of the concepts of probability distribution and integral calculus. The text provides a large number of solved examples to illustrate the principles. Graphical illustrations are provided in many of these solved examples to elucidate the principles discussed. The book is intended to serve as a textbook for under graduate students of engg., mathematics and statistics, as well as PG students of computer applications. He has also published another 2 books titled *Optimization in Engineering & Discrete Mathematics*.

The other books published from NIST are *A Handbook of C* and *English Vocabulary for Engineers* by Dr Ravi P Reddy, *Matlab and Simulink – an Introduction to Applications* by Dr Partha S Mallick, *Web Designing* and *Linux for Beginners* by Mr K Laxminarayan, *Enjoy your Breath* by Dr Maharshi Yogiraj, etc. Some more books are yet to be published in future.

Team NISTe-News remembers all the ex-Student representatives on its 5th Birthday. Here are the names of the student representatives who gave their dedicated service for the successful continuation of *NISTe-News*: **Balakrishna Gupta (B.Tech, 1999 Batch), Aruna Kr Tripathy (B.Tech, 2000 Batch), Manoranjan Jena (B.Tech, 2000 Batch), Bijoy Shekhar Shroff (B.Tech, 2000 Batch), Sunita Panigrahi (B.Tech, 2000 Batch), Sudhansu Sekhar Sadangi (MCA, First batch), Vivekananda Dora (B.Tech, 2001 Batch), Rohan Gupta (B.Tech, 2000 Batch), Padmalina Kabita(B.Tech, 2001 batch), Priyadarshini Panda(B.Tech, 2001 batch), Preeta Mohanty (B.Tech, 2002 Batch)**.

----- *Arun Reddy (Final Year), Rakesh Parida (Final Year), Anupam Banyopadhyay (Final Year), Pankaj Basu (3rd Year), Subhasish Dalal (3rd Year), Smruti Sagarika (3rd Year), Amit Kumar Dash (3rd Year), Sanjeet Dash (2nd Year), Vijayalaxmi Mohapatra (2nd Year), e-Designer, Editor and Advisors.*

News Corner
NIST receives DST Grant of Rs. 50 Lacs for Entrepreneurship Development Cell(EDC)

The Department of Science & Technology(DST), Government of India, New Delhi, has sanctioned Rs. 50 Lacs to the National Institute of Science & Technology for the establishment of an Entrepreneurship Development Cell (EDC) and Incubator within the campus. This is the first time any Institute in the state of Orissa has received such a fund for the establishment of an Entrepreneurship Incubation center. The official order of the first phase of the grant amounting to Rs. 11.4 Lacs has already reached. This cell will provide all the facilities to the upcoming entrepreneurs to develop and test their products and also for commercialization. Under the scheme, about 5 Entrepreneurship Awareness Camps (EACs) will be held per year to facilitate the product development of the would-be entrepreneurs. The Institute will provide additional research and development facilities, laboratory facilities in addition to its faculty expertise to all entrepreneurs. The Director **Prof Sangram Mudali** has launched this unique venture of NIST and has urged all technocrats of the state of Orissa to take advantage of the entrepreneurship development and incubator facilities being offered in the Institute. **Dr. Partha S Mallick** and **Dr. Amalendu Patnaik** are the core members of the EDC team who have put their significant effort behind the establishment of the cell. NIST has also got a Rs. 1 Crore grant recently from the Department of Science & Technology (DST) for the development of two state of the art labs in VLSI & Microwave Communications.

The Toppers
– Recipient of Director's Merit Award

The following students have topped the University Examinations with a SGPA of 9.0 (out of 10.0) and above. We congratulate the students on their phenomenal success and wish them many laurels in the future. They are recipients of the Director's Merit Award consisting of Cash Prize & Merit Certificate.

B.Tech(1st Semester)

Name with Branch	SGPA
Anuj Kumar Singh(EIE)	9.64
Gaurav Kumar Sinha(IT)	9.50
Shruti Patnaik(ECE)	9.46
Aditi Gidra(ECE)	9.46
Aditya Ranjan Padhi(ECE)	9.39
Avinash Patra(ECE)	9.36
Shubhranshu Shekhar(CSE)	9.36
Amit Kumar Prusty(EIE)	9.36
Deepika Parida(CSE)	9.32
Ayushee Nigam(CSE)	9.29
Trilochan Singh(CSE)	9.29
Kowuru Aswani(CSE)	9.29
Vishal Kumar Agarwala(CSE)	9.25
Jyotshna(CSE)	9.21
G. Jyasveer Patro(IT)	9.18
Navnidhi Kr. Upadhyay(ECE)	9.18
Swarup Narayan Mallik(ECE)	9.11
Mayank Kumar(CSE)	9.11
Pawan Kumar(CSE)	9.11
Mithilesh Kr. Mahapatra(ECE)	9.07
Repaka Sri Varuna(ECE)	9.07
Amrita Patro(CSE)	9.04
Satyajeet Panda(ECE)	9.04
Siddhartha(CSE)	9.04
Ankush Raj(ECE)	9.04
Puja Singh(IT)	9.00

B.Tech(3rd Semester)

Name with Branch	SGPA
Bhavani Sankar Padhi(ECE)	9.52
Siba Sankar Sahu(ECE)	9.41
Sangram Patro(CSE)	9.41
Amit Kuamr Bhakat(CSE)	9.38
Bibek Kumar Patro(ECE)	9.31
Ansumalini Patnaik(CSE)	9.28
Neha Singh(IT)	9.24
Ambika Rani Sabat(ECE)	9.17
Supriya Panda(ECE)	9.17
Santoshi Prasad Sahu(ECE)	9.17
Kunmit Kumar Patra(ECE)	9.14
Sai Kumar(ECE)	9.14
Kundan Kishore(CSE)	9.14
Shanti Swarup Mishra(ECE)	9.14
Purnima Kochar(CSE)	9.1
Amit Kumar(CSE)	9.07
Leena Mekup(ECE)	9.03
Suchismita Samantaray(ECE)	9.03
Yashodhara Das(IT)	9.03
Sagarika Raju(ECE)	9.03

Deepak Kumar Tosh(CSE)	9.03
Khajana Swati(ECE)	9.00
Rosalin Patri(IT)	9.00
Abhijit Kabi(EEE)	9.00

B.Tech(5th Semester)

Chinmayee Ku Panigrahi(ECE)	9.54
Debasis Panda(ECE)	9.38

NIST Faculty Trained by British Council

NIST invited British Council, Kolkata, to organize a three day Teacher Support Program from January 26-28, 2007. The training program focused on the techniques of improving writing, listening, reading and spoken English skills for Business English Certificate program of the British Council. Ms. Tripti Mund who coordinated and participated in the program along with Dr. Sudhir Ku Panigrahi, Mr. Jagannath Mohanty, Mr. Ajay Rath, Mr. Dipti R. Lenka, Mr. Bhanu Prasad Behera, Mr. Amrut P. Mohanty and Ms. Tissen Thomas. They are now certified by the British Council, India as BEC trainers. They were trained by Ms. Jharna Ganguly, Cambridge certified teacher & trainer and British Council resource person. Ms. Anjana Maitra, a leading English and Personality development trainer also attended the program.

IEEE Student Chapter Coordinator

Mr Lokanath Tripathy, Faculty of the Dept. of Electronics & Electrical Engg, has taken the responsibility to coordinate the NIST IEEE Student Chapter. NIST is the only institute of the state having a student chapter of IEEE. NIST has also separate chapters for Electron Device Society and Communication Society. NIST-IEEE student chapter has already organized technical workshops on Embedded Systems and VLSI Design. Mr Tripathy has more than 13 years of experience in teaching in various reputed industries. He did MS from the IISc, Bangalore in Electrical Engineering.

Renewable Energy Club of NIST

The Renewable Energy Club of NIST has started its technical activities aiming at creating mass awareness among engineering students about the New Renewable Energy Sources, so as to meet the present power requirements, and employ and develop new sources of energy. The club benefits the students by organizing seminars, workshops, lectures, quiz competitions, slogan, poster and essay competition on renewable energy. The student representatives of REC are Nadim Shahin (President), Gaurav Mishra (Vice-President), Sanghamitra Banerji (Secretary), Anindita Ka r(Asst. Secretary) other team members are Anand Bose, Ravi Prasad, Rohit Agrawal, G. Divya Bhanu, Debadatta Pattnaik. The club is being ably coordinated by Mr Gayadhar Panda, Senior Faculty of Electrical Engineering.

*R*epublic Day celebration by NISTians

NISTians celebrated Republic day on

January 26, 2007. The national flag was hoisted by the Hostel Superintendents in their respective Hostels in presence of students, staff and other faculty members.

Conference/Workshop attended

NIST faculty **Dr. Arun K. Padhy** and **Ms. Suchismita Nayak** attended the 9th National Symposium in Chemistry held at Delhi University from February 1-4, 2007. They presented a paper entitled "Thermal Analysis of some imidezole derivatives".

NIST faculty **Dr Partha S Mallick**, M.Tech students **Mr O P Suresh** and **Ms. Preetisudha Meher**, B.Tech student **Mr Amiya Ranjan** Behera attended the IEEE-EDS Mini-Colloquium on *Microelectronics*

and VLSI on January 3, 2007 at Bhubaneswar. The workshop was held at Hotel Marion, Bhubaneswar and was jointly organized by IEEE Calcutta Section, IEEE-EDS Calcutta Chapter, IEEE New Jersy Chapter (USA) and the OEC, Bhubaneswar.

NIST faculty **Mr M Suresh** and **Mr G V Kiran Kumar** attended the 20th Int. Conference on VLSI Design & 6th Int. Conference on Embedded Systems, held at NIMHANS, Bangalore on January 6–10, 2007. They got the Fellowship to attend the conference. Another recipient of the Fellowship is our Dean **Dr Ajit K Panda**.

NIST Administrative Officer **Mr. Suresh Patnaik** attended the 8th International Conference on *Indian Investment Destination*, from January 2, 2007 to January 5, 2007, as a *keynote speaker* at New Delhi. He was chosen to be a Rapport for EDP conducted by Dr. David Ross of Australia.

NIST Faculty **Mr Minakshi Prasad Mishra** attended an International Symposium on "Towards Improvements in English Language and Literature - Teaching Communicating across the Curriculum" held at DAV College, Chandigarah from September 22-24, 2006 and presented a paper on *To Teach or Not to Teach: Culture in ESL class room*. He has also attended the AICTE sponsored QIP-STC program on "Success in Soft Skills" held at IIT Kharagpur from February 1-6, 2007.

NIST faculty **Mr. Ajit kumar Bhuyan**, **Ms. Suchismita Nayak** and **Mr. Chandan Kumar Behera** attended a 3 days Faculty Development Program from January 17-19, 2007 at CET, Bhubaneswar, which was organized by National Institute of Technical Teachers' Training and Research, Kolkata.

ISTE/IEEE Lecture Series…
Dr. Ashutosh Singh, Curtin University, Malaysia delivered a talk on *Digital Testing* on January 2, 2007 at Lecture Hall Complex. The talk was attended by interested faculty members and students.

Success of NIST MBA Students
NIST MBA students **Rakesh K Padhi**, **Sudeep Malawa** got the1st prizes in *Bulls & Bears*, **Raj K Samantray** got the 2nd prize in *Anjaan Sathi* and was also appreciated for the performance in *Bulls & Bears*. **Jack Mohan Parichha** has also been appreciated for his performance in *Bulls & Bears*. The competition was organized by CET, Bhubaneswar in Silver Jubilee Celebrations.

Geet Sandhya…

NIST has celebrated the completion of its *10 Glorious Years*, on January 20, 2007. It was a fabulous musical night performed by a musical & dance party of Cuttack, Orissa. The entire campus was dancing with the lively songs and dance performed by them. For NISTians it was an enjoyable break amidst their busy schedule.

Picnic 2007 at *Karanjai Temple*
The NIST faculty and staff picnic was organized on January 7, 2007 at *Karanjai*

Temple near Berhampur. NISTians didn't lose the opportunity to offer *Puja* at the temple along with visiting nearby hills to watch nature in its pristine beauty. The staff, faculty, Director, Dean, Course Coordinators

along with their families participated in the picnic. It was a time of joy and laughter along with the delicious lunch. The most attractive part of the Picnic 2007 was the excellent magic show by Dr D Rao & Housie which was actively participated by all.

Republic Day at SM Public School

On the Independence Day, NIST Placement Director **Ms. Geetika Mudali** hosted the flag at the S.M. Public School campus. She has donated

Rs. 10,000/- for the development and student welfare of the school students. NIST R&D Coordinator **Dr. Amalendu Patnaik** has also donated Rs. 10,000/- for improvement of School.

Saraswati Puja at NIST Hostels

Saraswati Puja was celebrated in a grand style at the different hostels of NIST on January 23, 2007. Hostels vied with each

other for impressive decorations and receptions. Under the guidance of hostel superintendents, students displayed remarkable team spirit to make the celebrations a success. Students have shown their distinctive creativity in the decoration of *Puja Mandap*.

Picnic to Ugratara

A Picnic was arranged by the final year Students of Hostel MERMAID on Sunday, January 14, 2007. We started at 7AM from

Gopalpur. My self, my son Asish, Caretaker of Hostel Mermaid, IC, along with the students reached the spot UGRATARA (near Khurda) at 11:30AM. Students, on reaching the spot showed their displeasure, as the spot was not up to their expectation. Some how they got convinced, exhibiting the true sense of NISTian's discipline. Mr. Premeswar Rao and Mr. P. K. Ray reached the spot soon after and helped to choose a better spot near by. We took lunch around 3PM. We left UGRATARA around 4PM and on the way got down at BARKUL. After spending half an hour we returned to Berhampur. I appreciate the discipline of my students what they have shown during the picnic and was the most enjoyable picnic I have ever attended in my career.

Meeting of Two Hearts….

NIST Faculty and R&D Coordinator **Dr. Amalendu Patnaik** got married to **Dr. Madhumita Patnaik** on February 11, 2007 at Berhampur.

NIST Faculty **Mr. Ajit Bhuyan** tied the wedding knot with **Ms Ipeeca Jena,** on February 7, 2007 at Aska, Ganjam.
 Wish you all a very Happy Married Life…

NIST Welcomes You……

NIST welcomes **Mr. Jyoti Prasad Mohapatra** and **Mr. Prabhudatta Mishra** who joined as Supervisor in Computer Lab, **Mr. Pabitra Mohan** as Placement Assistant.

TechnoFest'07 – the NIST Talents

NIST participated in the 3rd BPUT Annual Sports & Cultural Meet, *Technofest-07* held at Jawaharlal Nehru Indoor Stadium, Cuttack from February 4-8, 2007. 75 of our Students participated in different kinds of events. Our students have performed well in all the events, they have shown their discipline and team spirit in the entire festival. They have won the Cricket Championship, Basketball Championship and Badminton Singles and Doubles Gold and also other events like One act Play, Classical Instrument (Solo), Modern Dance(Solo),

Quizes and Athletic. NIST students were accompanied by NIST faculty Mr. Mihir Hota, Mr. Pallab Kar, Mr. Chandan Behera and Miss Basanti Patro(Yoga Instructor). Here is the list of medal winners, **Cricket:** Debasish Mohanty, Smruti Ranjan Routray(Captain), Sushanth Ku. Swain, Manas Ranjan Panigrahi, Ritesh Ku. Mohanty, Shakti Prasad Rath, Manish Kumar(Vice Captain), Bikash Ranjan Patra, Subhankar Mishra, Sudeep Moahrana, T.Sravan Balaji, Chitta Ranajan Sathpathy, Sourav Rath, Kaushik Pandey, Ankit Thaker, Rohit Mohanty **Basket Ball:** Shakti Ashish Pattnaik, R.Hariprasad, Jack Mohan Paricha, Satya Prakas Rath, Sandep Ku. Swain, Deepak Sathpathy, Suprakash Sen, Summet Parida, G.V. Ramkumar, Harmeet Singh Gujral, G.Jyasveer Patro, Ejaj Baig **Badminton:** Priyanka, Aarti Moharana, Jitendra Ku. Mishra, Bibhuti Bhusana Sabat **One Act Play:** Sabysachi Mishra, Krushna Chandra Padhy, Rakesh Parida, Manas Kumar Mohapatra, Sibun Parida, Ardhendu Tripathy, **Classical Instrument (Solo):** Jagnnath Sathpaty, **Modern Dance (Solo):** Ranjan Ku.Padhy, **Management Quiz:** Y Umakanth, Rakesh Parida **Athletic:** Prerana Priyambda, Anil Ku Barla

Trekking - 2007

TREKKING–2007 was successfully organized by NIST Students, Faculty and Staff members on January 14, 2007. Our Director Prof Sangram Mudali flagged off the TREK-2006 at

9:35AM at RAMAIHYA PATNAM and the participants were received by our Placement Director Ms. Geetika Mudali and Dean Dr Ajit K Panda at *Dhabaleswar Temple* at 12:15PM. The distance covered was approximately 16 KMs along the Bay of Bengal beach. More than 150 students had participated. Among the staff and faculty members, Dr Partha S Mallick, Mr M Suresh, Mr Jagannath Mohanty, Mr G V Kiran Kumar, Mr and Mrs Mihir Hota, Mr Vinay Das, Mr Ashok Sahu, Mr Subhas Padhy, Ms Basanti Patra participated in the TREK-2007. The team was welcomed warmly followed by a delicious lunch. The prizes were distributed by the Placement Director. This year there was also a punishment prize for the last man.

Club Excel Organized *C-Sparc*

In January, 2007, Club Excel organized C Sparc, a biannual C-programming event. This began with the inauguration ceremony, where it was inaugurated by our Director Prof. Sangram Mudali with Dr. AK Panda, Dean, Mr. Siddhartha BN, Faculty advisor, Club Excel, Dr. AK Padhy, B.Tech, Course Coordinator, Mr. Sudhir Panigrahy, Placement Coordinator. The C Sparc event was organized by the Executive Body members: Pradyot Kr. Mishra, Asish Ghoshal, Dinkar Kr. Verma with the Organizer panel members: Anurag Rath, Pankaj Kamani, K. Abhishek, P. Gyanesh Kr Patro, Debasish Routray. The event C Sparc was divided in two rounds, the preliminary round was a written exam while final round was a 6 hour programming exam. C Sparc preliminary round was organized on 15th January, 07, in which 50 students qualified for the finals. The final round was held on 22nd January, 07 from 1.30PM till 7.30PM. The result of finals are: **1st**: Yusuf Siraj, B.Tech. 2nd Semester, **2nd**: J. Pavan Kr, B.Tech. 6th Semester, **3rd**: Govinda Kinkar Sahu, MCA 6th Semester, **4th**: Jitendra Kr Singh, B.Tech, 6th Semester, **5th**: Priyabrata Palit, B.Tech, 4th Semester, **6th**: Bikas Patro, B.Tech, 4th Semester, **7th**: Biswa Bhusan Panigrahi, MCA 2nd Semester, **8th**: Lopamudra Patnaik, 4th Semester, **9th**: Rabi Anand, 4th Semester **10th**: P. Harish Senapati, 2nd Semester.

Student's Corner

SEZ: Boon or Curse?   Gaurav Rath, BTech, 4th Semester

SEZ stands for Special Economic Zone. When a particular area of land is used to build infrastructure like industrial parks and IT (Information Technology) parks it is known as a Special Economic Zone. The SEZ act was passed in 2005 with a hope that it would help to build up infrastructure, to promote exports and to enhance employment generation. As per rules, farmland shouldn't be acquired for SEZs, only uncultivable land should be used. All the companies that come up in an SEZ will enjoy certain benefits like tax concessions, foreign funds to develop township, duty-free imports etc. But critics say that SEZ serve as a ploy to hand over huge tracts of agricultural lands to corporate bigwigs. Questions are raised about the type of land being acquired and whether the displaced are getting adequate compensation. Regardless of the rules prime agricultural lands are being acquired at a fast pace for SEZ projects.

Punjab's Chief Minister said, he needs to promote SEZs to strengthen infrastructure. But almost all the land in his state is irrigated and hence suitable for agriculture. In Maharastra, reports indicate that big corporate companies promoting SEZs are taking over fully cultivable land. The total estimated land to be acquired is 1, 25, 000 hectares (almost equivalent to Delhi) which means large scale displacement of people. Such large scale acquisition have aggravated fears about SEZs becoming instruments of real-estate racketeering. The government should avoid acquiring multi-cropped land and use barren and uncultivable land found in states like Bihar and UP for SEZs. Hence, there should be a moratorium on the implementation of the Act, during which time new regulatory mechanisms would be put in place that would benefit both the country's economy and the environment.

Empowering the Technology   MV Shrikant, MCA, 4th Semester

Education refers to the overall development in terms of body, brain and spirit. Development has no limit whatsoever when it is counted as a knowledge parameter. Proper nourishment of knowledge leads to a noble life. Today's arena is the arena of technology. To quote the vision of a great entrepreneur "one needs to have the talent so that he/she is able to face the challenges of future technological development." We have to see this issue from a corporate angle. Now-a-days it is   a common trend for the young technical graduates to join the IT sector at a high salary package and enjoy a glamorous life. The reason behind this is, they have a lack of long term vision. This reflects the research scenario of India. If we think a little

bit deeper, we know the factors affecting the research environment of the Indian IT sector. We see that companies are getting more profit as their quarterly results are coming; but still their research expenditure budget is stagnant. Another factor is based on the comparison between the Indian, American and Chinese IT sectors. Most US and Chinese companies are having collaborations with major universities and what they are doing is just providing them financial aid as a project sponsorship or as an entrepreneur project. The major benefit of such an approach is that they have no problem as far as their own internal employment is concerned. The companies need not spend extra amount on their research and development activities, whereas   Indian IT sector basically deals with foreign projects which are having very less scope of research aspect. According to it they are recruiting their manpower and training them afterwards. That is the reason why the students are bound to accept this type of process. So the companies need to encourage our young talent pool of technical graduates to get into research domain by providing them such type of environment. Now-a-days some companies have started their R&D wing and are hiring PhD and MTECH scholars on awesome salary packages. That's why they are always searching for the people who can think "OUT OF THE BOX".

Milestone   Vijayalaxmi Mohapatra
2nd Yr, B.Tech, Team NISTe-News

The journey that began in the past…
Sometimes gloomy and sometimes blast;
Moving ahead with the goal in mind;
Only the 'right way' one has to find!!

It was never easy or difficult…
One can sum it up as mere catapult;
Gaining and losing one knows not why…
All that is now left is……
A bit of earth and a piece of sky!!

Happenings that were both big and small;
Even those one may not recall;
Contributed in their own way…
Was little or more one cannot say!!

They gave an end to a phase…
A beginning for a brand new chase;
Are symbols of losses and gains;
And tombstones of pleasures and pains !!

Resources exhausted, strengths all gone;
But one has to move on and on…
There might be company, might be alone;
Yet one must strive to make that…… beautiful MILESTONE!!

Our politicians   Rajanikanta Das
6th Semester, CSE

They'd always flatter
a single religion.
They'd reserve "seats",
for a single community.
But will never give a hand
to those who leave the school
out of poverty.
They'd always evade those
who need love and pity .

They'd always cash in on
the evil "caste-bar".
But they'll always boast
"We are secular".

Pushing "Ramjanmabhoomi" aside,
forgetting the glorious past,
They've taken off the "saffron hinutva",
And slipped into
the outfit named "secular".
It's a history now,
what told the stalwarts -
Golwalkar and Headgawar.
And they say -
"We are in sangh pariwar".

They'd cry foul
over "disinvestment".
They'd let the poor and needy
of "singhur" suffer.
They'll dance
To the tune of
The "Tata" like industrialist.
But they shout-
"We are communist".

The partisan of "socialism"
and disciple of "Lohiya"
redefined their gist.
This time not the Lohiya
but the patrons are
Ambani like capitalist.
Still they cry- "We are socialist".

They've no values.
They've no ideals.
They fight for money.
They fight for power.
But never for truth
never for justice.

ORKUT…………Loosing its Trust
Anupam Bandyopadhyay, Final year, Member, Team NISTe-NEWS
NOTICE: Surfing of ORKUT site is banned (LHC 203 -Internet Lab)

Hope this might have made many NISTians upset as ORKUT was an easy way to communicate with friends & relatives staying apart. Now let me tell you some facts about it. *Orkut* is an online trusted community website designed for friends. The main goal of the service is to make the social life more active & stimulating. The service is "in affiliation with Google" the search company. Google said that the site is the independent project of one of its engineers Orkut Buyukkokten who works on user interface design for Google. Buyukkokten, a computer science doctoral candidate at Stanford University before joining Google created Orkut.com. He worked for several months and used to devote one day a week- an amount Google asks all of its engineers to devote to personal projects. Buyukkokten with the help of a few other engineers developed Orkut out of his passion for social networking services.

Perhaps everybody knows that by moving into Orkut one need a valid invitation from someone else and it will be kept in the database of Orkut and also the person who has given you the invitation to join the community will be joined in your friend list. So it's a simple game of database management system which is orkut's initial phase. So Orkut became an easy way to talk to people with whom it is difficult to meet as they are far away. But it could have been done through messengers and chatrooms but it was something unstable as creating fake IDs was easily possible. Orkut also provides for creating fake profiles and IDs but with the help of administrators of these social networking websites, it is possible for the investigators to track down the person who created a fake profile as in Orkut, the process is easier since one can only sign up after being invited by an existing member. But it is sorry to say that some bad elements are popping in Orkut and definitely it is likely to be increased more and more as now News Channels and Fundamentalist have moved in the way to publicize the few bad spots only on the almost perfectly clear white wall. But as like the real world, we have weapons against such things (like reporting them as bogus) and till yet, we have been using our rights in right ways. Orkut has become such a large network, which contains students from each and every big institution and professionals from each and every big or small company (even if Orkut is banned in that company).Orkut has also become the largest viewing web page than any other social network. If you are looking for some odd names as community then you should also check that there are communities from names almost all the big companies and institution, who are really providing the way to communicate between alumnae, batchmates and juniors. When in this world getting jobs and motivations for right side is getting rare and rarer, and then being at a place, where you could really come to meet much experienced and co-operating persons to consult about anything even before doing anything. Getting links in the industry was always a problem for everyone even if they were having one, then sometimes the changing contacts and fields were creating problems. Definitely traditional flaws like immature affections, addiction and habitual ignorance to the real world are here too but this could be said to be much mature form of conversation at the global level. I have found a lot of my seniors from very old batches working for big companies and many of them have provided my friends even shelters and supports in their cities and even in countries even on meeting for the very first time. As about offending communities, then I, myself have seen the honest attempt was getting tempered in these way, when some people started to use the popularity and coverage of Orkut as a medium to spread their products and thoughts which meant purely for business purposes. But it was really not that easy as Orkut provides you the way to make someone spam by just clicking a button. As about community, then I think for the first time I encountered with a bad community three months ago, which was seriously offending our tricolor and our country**.** So**,** I request the Orkut Supporters to be much more active to avoid and restrict such activities and from Fundamentalist to keep their eyes away from us.Definitely, there are a lot of things to speak but I know this is your time to speak, so I will wait for comments from reader's side. Please forward your suggestions to *anupam_banerjee23@rediffmail.com*

No matter how adverse the conditions may be, man has the capacity to turn things around by determination, perseverance & hard work, *Sourav Ganguly has shown it(**Times of India, 18/2/7**)*

KALEIDOSCOPE – On the Book Review trail
Rakesh Parida, 8th Semester, Team NISTe-News

(This column requires the prior reading of the work of Chetan Bhagat entitled Five Point Someone)

A story about three boys entering their adolescence at the weirdest place to do so. This was an apt setting for a real cool novel by Chetan Bhagat who other than being an IIT alumni is one fantastic writer. This single work of fiction for me is the cornerstone of literature aimed for the youth moreover the engineering crowd of the nation. For a mundane observer this may just be any other teen book but for an engineering student like me this was one book to which one could really connect. This is not real easy if you think so. Making an average engineering student who goes through thousands of pages of horrendous literature (a credible adjective for our course curriculum) sit through yet another paperback is worth a Booker in itself. Hence, this kaleidoscope let's explore the Bhagat's work for its witty and honest humor it displayed throughout.

It's a strange equation really. Now if you ask an engineering student then one would relate to a work of fiction as anything that cannot be realized through mathematics, physics or the other sciences. It's a real crude taste that one has to satisfy. You ask me what is crude then I say if you cannot differentiate between The Lord of the Ring & the Harry Potter series then you probably have a very crude taste. But, if you think that satisfying such a taste will probably be easier then think again. This column is actually a cue to all writers who want to earn money off the engineering students, you could do well to include a lot of *masala* & chutzpah in your work. Yeah that would do well for sure ala Five Point Someone! All that the novel needs to do is bring the simple things to the fore. That's really what Five Point did. Nobody really plans to do all the weird things that Hari, Ryan & Alok did at IIT but I am sure everyone of us will kill to do that. Hence is the interest that is evoked amongst us. I am sure that each one of us would be visualize themselves as one of the three guys while going through the book. One would be actually unfortunate to visualize himself as Alok but nevertheless he had fun too. Well at times the story did really go overboard with Hari cozying himself up with the HOD's daughter. (One would really not expect that to happen for real in one's wildest dreams!) I guess Bhagat wants to reinforce that it's a work of fiction. This novel could well be taken for a Hindi movie script. Hari the hero who has it all in the end. Ryan the 'knows it all' character with Alok the comic relief. Wow, add some dance sequences to it and Bhagat could well be running away with the box office sales. Now if you ask me to point out the flaws in the novel then there are not much really. The most glaring fault has to be the language which would be Martian to anybody who hasn't been through any engineering college. He is quite brash with his words for quite a few sections of the book. The story has an abrupt ending. The audience still wants to know more about what happens to the three guys. I am sure that Chetan is not a big romanticizer for I hate the way he has Hari breaking it off with Neha. It's a little unrealistic the way he has projected Cherian (HOD's are known to have more muscle than that!) I guess that for me sums up all the flaws that the book has. However, Bhagat has a long way to go if he writes for a mature audience. But Kaleidoscope is quite sure that the writer of his caliber could well live up to that challenge. Coming back to Five Point it's a must read for any engineering student. In fact for a final year student like me it is reminiscent of all the wonderful pranks & shenanigans I missed out on! As for the rest of the guys the book should carry a tagline with it **'DON'T TRY THIS IN YOUR COLLEGE'**. Grab a copy, it makes for cool reading. And for all those who have been through the experience already One Night at the Call Center, another marvelous work of humor from Bhagat is already on the newsstands. Happy Reading! What is your say? Please mail to the author at *rakesh1919@hotmail.com*

Disclaimer: The ideas and opinions aired above are the sole views of the author and in no way reflect those of the organizations associated with the author.

Future Technology

Holographic Memory   Sent by Mr. M. Rajendra Kumar, Faculty, Mathematics

Devices that use light to store and read data have been the backbone of data storage for nearly two decades. Compact discs revolutionized data storage in the early 1980s, allowing multi-megabytes of data to be stored on a disc that has a diameter of a mere 12 centimeters and a thickness of about 1.2 millimeters. In 1997, an improved version of the CD, called a digital versatile disc (DVD), was released, which enabled the storage of full-length movies on a single disc. CDs and DVDs are the primary data storage methods for music, software, personal computing and video. A CD can hold 783 megabytes of data. A double-sided, double-layer DVD can hold 15.9 GB of data, which is about eight hours of movies. These conventional storage mediums meet today's storage needs, but storage technologies have to evolve to keep pace with increasing consumer demand. CDs, DVDs and magnetic storage all store bits of information on the surface of a recording medium. In order to increase storage capabilities, scientists are now working on a new optical storage method called holographic memory that will go beneath the surface and use the volume of the recording medium for storage, instead of only the surface area. Three-dimensional data storage will be able to store more information in a smaller space and offer faster data transfer times. Holographic memory is developing technology that has promised to revolutionize the storage systems. It can store data upto 1 Tb in a sugar cube sized crystal. Data from more than 1000 CDs can fit into a holographic memory System. Most of the computer hard drives available today can hold only 10 to 40 GB of data, a small fraction of what holographic memory system can hold. Conventional memories use only the surface to store the data. But holographic data storage systems use the volume to store data. It has more advantages than conventional storage systems. It is based on the principle of holography.   Scientist Pieter J. van Heerden first proposed the idea of holographic (three-dimensional) storage in the early 1960s. A decade later, scientists at RCA Laboratories demonstrated the technology by recording 500 holograms in an iron-doped lithium-niobate crystal and 550 holograms of high-resolution images in a light-sensitive polymer material. The lack of cheap parts and the advancement of magnetic and semiconductor memories placed the development of holographic data storage on hold.

Indian Stealth Technology   Sent by Ankush Raj, 2nd Semester, BTech

The F117A stealth fighter helped the US win the gulf war. Stealth technology, which makes ships & planes invisible to ground radar, has been a closely guarded secret of developed nations. Now some Indian scientists have made a breakthrough in this area. Once proven the emergence of India's stealth fighter will be just a few years away.

Scientist at IIT-ROORKEE have developed a special nanocomposite coating that can absorb microwaves when applied on specially designed aircraft, they become almost invisible to radar. Radar emits pulses of microwaves, radiations that are reflected off the body of a flying aircraft. But the special coating absorbs most of the incident radiation and reflects very little. The shape of the aircraft must be such that it deflects the microwaves in every direction, other than the path back to the radar. And that's how an aircraft becomes invisible to radar. The nanocomposite coating has been developed by Rahul Sharma & his team at IIT-ROORKEE.

The team has found that crystal of Barium Hexaferite with particle size of 10-15 nanometers have the ability to absorb microwaves. The team has developed a special process for synthesizing the nanopowder and formulating it as a coating. Sharma has said that the nanocomposite coating on aluminium sheet absorbed 89% of incident microwaves at 15Ghz, the frequency normally used by radar reflecting only 11%.

Dreams
Amrut Phalguni Mohanty, Faculty, NIST

The sun-burnt Paths of life
Appear both pallid and exquisite,
With a beckoning hope inside
I envisage dreams infinite.

But the resonance of time's ravage
Of my dreams, make me believe,
That my dreams are fragile.

I pretend with a haughty & disdaining smile,
Buffooning the world, I'm happy inside

All my efforts prove to be vain
As dreams laughing at me-
"We are yet undetermined."

Wreath to Rags
Dipti Ranjan Lenka, Faculty, English

A bleak thought of making something BIG
A turbulent fire to make it to ashes
A meek, silent pursuit to reach out and grab
The unseen, the unheard, the far
Has sunken underneath…

The projected platform
The envisioned podium
The dream- All shattered and ruined,
Mock:
"A Rag- Remained Forever"
The shriek bursts out
A scream cries out
Is it the fate? Is it the future?

And a long sigh, A deep breath
And an acute silence
The repetition of realisation
An accepted compunction
The   life   is   lost   beyond   repair!!!

Career Corner

Knowledge Teasers
Subhasish Dalal, Member, Team NISTe-News BTech 6th Semester

1 Which brand got its name from a Sanskrit word which means "Priceless"?
2 What was known as the Blue Ribbon Sports Company earlier?
3 Which Indian technocrat is associated with teamon.com, neomeo.com, responses.com, highku.com and Navin Mail, a voice mail service?
4. What is the term used to the software that collects email addresses from the web and then send spam mails to those addresses?
5. Which four Indians invented an unique device in the computing field. What is it?
6 Name the person who first drew the Linux penguin?
7. Which internationally acclaimed mascot was created by Pacific Data Images, a pioneer in computer graphics for film & video?
8. Which search engine literally means a "hundred times"?
9. Can you name the countries to which these companies belong to?
  a) LG   d) SONY ERICSSON   b) NOKIA   e) ORANGE   c) PHILIPS
10 What is the method used for data transfer in Bluetooth devices?

Answers: 1. AMUL from the Sanskrit word "AMOOLYA"2. NIKE 3. Sabeer Bhatia 4. Crawler 5. SIMPUTER Vijay Chandrau, Viany V, Ramesh Hariharan and Swamy Manohar 6. Larry Ewing 7. Pillsbury Doughboy 8.Baidu 9.a) South Korea b) Finland c) Holland d)Sweden e)Australia 10.ACL.

My experience in Microsoft recruitment
Smita Samantaray, BTech, Final Year

After a long wait finally we had our dream company Microsoft visit our campus for recruitment on 19th December 2006. It was around 5:30pm when the Microsoft team arrived. Without much delay the recruitment process started with written at 6pm followed by technical interview that ended at 3AM. There were two sections in the written phase each having 35 multiple choice questions. The first section had analytical and reasoning type questions that had to be completed in the first half and the second section had technical questions which had to be completed within the next half. Most of the questions of technical section had a piece of code and questions like the line of error, output of the code or logical

objective of the code were asked covering topics from algorithm and data structure. Other questions were from operating system, computer networks, computer architecture and database. Questions were not so tough and my performance in both the sections was equally good. The written exam result was declared at around 9pm and the technical interview process started immediately at 9:30PM.

There were two panels for the technical interview each having one member. My turn came at 10:30pm and I was interviewed for around 45 minutes in each panel. The questions were basically on algorithm, data structure, database and OOP concept. One question on operating system and one on software engineering was also asked. The questions were problem oriented where a problem description was given and an algorithm that could best solve the problem was expected, even an approach was appreciated. I could answer most of the questions as I was strong in algorithm and data structure. At the end of first panel interview I was also asked to solve a puzzle and my answer to this seemed to impress the interviewer t he most. Both the interviewers were quite friendly that made me feel comfortable during the interview. The combined result of the technical interview was declared on 20th Dec, 3:30PM.

The next and the final level was the telephone interview which was planned to be on 26th and 27th December. My interview was scheduled to be on 27th December at evening 5:30pm. Exactly at 5:30pm I got the call and I was interviewed for next 40 minutes. I was first asked to introduce myself and then give brief description about the projects I have mentioned in the resume. Further he asked much more questions on my project and few on SQL as I mentioned my SQL certification in the resume. In the next half it was all HR questions and my performance was only average however because I did well in the first half, my overall performance was good. Overall my performance was best in the technical interview compared HR interview as it could have been better. The training and guidance we got from our teachers helped me in developing my technical strength. Thanking them all

The Microsoft Experience
Rakesh Parida, BTech, Final Year, Team NISTe-News

If anyone had asked me about Microsoft in October, then I would have related to it as some distant company hiring big shot geeks at the IIT's. But I never knew that I would turn into one big shot geek myself. The Road to Microsoft has been one of the most memorable ones I have traveled. The USP of the Microsoft endeavor has to be the enigmatic character it wears. Before the process itself started. The Microsoft recruitment looked too high a mountain to climb with several layers of technical interviews to it. However, since each of those technical interviews did not involve anything from outside the curriculum, it was somewhat endurable.

But, the secret passage to MS is to prepare your core CSE subjects well and be real good in at least one of them. Since, the interviewers insist on concentrating on a particular subject, the interviewee has to be sort of a domain expert on the same. The key is at NIST, if you have attended the lectures well, and got 'O's or 'E's in most of the core CSE subjects then the interviews are a breeze through. One has to take care that they ensures consistent performance in all three (min) interviews. They may just have more than 3 interviews. If you ask me about my weaknesses and threats then I will have to say, I did not have a significant project (which is of utmost importance for MS) under my belt.

The third interview was HR, which sealed the deal as far as I am concerned. They asked the regular questions but they expect you to give the best answers. They also asked me up front whether I was the best in the class to which I replied that 'well according to BPUT I am'.

So, according to me the key to MS is attitude, technical acumen and lots of luck. Thanks.

Microsoft's Visit to NIST Campus – my Experience
Mrutyunjaya Dash

We student's of NIST had never expected that a company as big as Microsoft will recruit from our campus. We had just listened to news of 16 students who got selected from Orissa for Microsoft GDCI. Eight from KIIT and eight from NIT, Rourkela. Apart from this statistical data, we knew nothing. It was a distant dream for us to have Microsoft over here at our campus. But everything changed when we got the news that Microsoft actually was to visit our campus on 19th December '06'.

It was 14th December, just one day after my Birthday, that I become a bit serious towards this interview. I had already downloaded Microsoft pattern questions earlier, and I just roughly scanned through the set of questions and variety of subjects that are asked.
With a glance it was clear that the written was the toughest of all. It's because it will open the gate to other higher levels. And to my astonishment the written questions covered almost all the subjects that we have read so far.

I was not able to concentrate properly on my preparation because we were all casual after our first job. Hence I decided to do a combined study with Jyoti Prakash Dash. We first decided to cover aptitude and RDBMS first. After that we prepared puzzles from "how to move mount Fuji". My advice to juniors- please do read that book. That book is very interesting and important as per as MS is concerned.

On the last day we prepared OS, CAO and programming in 'C'. The written exam consisted of two parts-
(i)   25 questions on Aptitude.
(ii)   45 questions on Technical.
* Don't worry about Aptitude, Aptitude questions are simple problems on
(i)   Cubes and painting of its sides
(ii)   Time and distance
(iii)   Decision making
(iv)   Logical Reasoning.
* Technical questions are tough because you will get 1 hour to answer 45 questions. About 30 questions out of them are 'C' programming questions (Read 'C' Programming basics clearly). Rest 15 questions were form RDBMS, networking and CAO.
* Microsoft selected 10 students out of 116 students who sat for written. They are very choosy- it feels so!!!
Alas! My friend Jyoti with whom I prepared didn't qualify. He just lacked a bit of luck.
*After written round at around 10:30pm Technical Interview started. There were two interviewers Suresh and Afzal.
Each student was carefully examined by both of them. Average time for each student was half an hour for each interviewer.
* Experience: (Faced interview at 2:00am.)
Suresh was cool and he was very warm and cordial. Microsoft people are very open and want to be addressed by their "Names" not as "Sir" or "Madam". He asked me questions on
(i) Operating System concepts- Memory Management Synchronization, dead locks etc.
(ii) Objected oriented concepts: Asked me questions on Java concepts.
 (iii) Gave a program to solve.
Afzal was a bit difficult, but off course very cordial in behavior. He asked me questions like
* Strengths and weaknesses.   * Sorting Techniques.
* Gave me programs to write and even test whether the programs are correct or not.

* Basically Testing the Student's "Approach" to question and not actually the answer. After this Round, we had a Telephonic interview that was scheduled on 26th December '06'. This was my first Telephonic interview. We were prepared for Technical but the interview happened to be a HR one. Questions Asked:

(i)   Strengths and weakness. (Give Examples)
(ii)   Instance of life when you solved a difficult problem.
(iii)   Why Microsoft will hire you?
(iv)   Why do you want to join Microsoft?
(v)   How do you Grade yourself as an Academic person??

Research and Development

Research Paper

1. **Jagannath Mohanty, "**Examining Challenges of Liberalization in the Context of Poverty and Development", *Delhi Business Review*, January, 2007.

Conference Paper

1. **S Nayak, U R Barik, D Sahu** and **A K Padhy,** "Thermal Analysis of some imidezole derivatives". *Published in the Proceedings of the 9th National Symposium in Chemistry* held at Delhi University from February 1-4, 2007.

2. **Jagannath Mohanty, "**Understanding and Evaluating the Impact of Globalization on Education", *Published in the Proceedings of the 36th ISTE Annual Convention* at Bannan Amman Institute of Technology, Sathyamangalam, TamilNadu, December, 2006.

Alumni Page

Wedding Knot

NIST Alumni **Mr. Sudhir Nayak (1996-2002 batch)** got married to **Ms. Bhagyashree Nayak**, on February 5, 2007 at Berhampur.

NIST Alumni **Ms. Ipsita Mishra (1999-2003 Batch)** tied wedding knot with **Mr. Satya Swaroop Sahu (1998-2002 Batch)** on February 7, 2007 at Berhampur.

A letter to the Alumni of NIST… Rabi Anand, B.Tech, 4th Semester

Dear, Alumni of NIST. Yes you all are dear to me, because you all are on that highway, on which all of us are expecting to land on. You are the pride of the institute, faculty, well-wishers of the college and of course, we students. Firstly, I would like to make a wish on behalf of all of us here. May, glory and luck, kiss each and every step, you take in your life. While studying in any institute, life passes rapidly, but after one steps out, a lot of memories, remain. Some *"mitthis "*and some *"khattis"*. During our course time, we meet various people, some of them stay long in memories and some find space in heart. They become our mentors, advisors, colleagues, partners and yes, some close pals.

Reading the above lines, many of you, would have recalled, the oldest building of NIST, *"LECTURE HALL",* some of you, *"OCTAGON",* others *"ROCK GARDEN "* and recent ones must be missing *"GALLERIA".* OK-OK, I left out the regular hangouts at *"Ramu Gumti".* The long sessions of boring classes, heavy duty assignments, mind twisting Lab-viva, really strict faculty, puzzling internals and fearful semesters, must have been the ones, faced by you. And your replies to them, bunking classes, copying assignments, taking naps during classes, enjoying *"Gumti* chatting". (by the way, I also enjoy the same things!). But I know that strictness has been the key to your success. And that is why all of you have passed out with flying colors. One day we will also leave, NIST, but there is a long way to go for us. And right now, at least, I am not looking forward to that. All I wish for, is a reunion of alumni of NIST, in NIST campus, so that it would be a pleasant experience for all of us, and that will be helpful for acknowledging the glory of NIST. It would also be a transaction of ideas between present and past of NIST and a bright hope for its future. And we all know, past passes and future comes from behind to become *the next past* AND THE SHOW GOES ON.

Profile of an entrepreneur
Collected by Sanjeet Dash, 3rd Year, Member, Team NISTe_News

If you ever thought women couldn't make it big inside the male dominated business world than here is the profile of a lady entrepreneur who defied all rules and fought against all odds to chase her dream of being a successful entrepreneur.

Just to indicate her background, she was born in Bangalore and educated in Bishop Cotton Girls School and then Mount Carmel College. As a student, after being rejected by medical schools, she took up biology. She then went on to Ballarat College, Melbourne, specializing in Malting and Brewing Technology., the only woman in the class room and from there she went on to become India's first woman Brew master. She is **Kiran Majumdar Shaw.**

She started Biocon in 1978 from a garage with just Rs.10, 000 in Bangalore collaborating with an Irish firm, floated 2 joint ventures, Biochemizyme and Biocon-Quest India Ltd. With her commitment to individual enterprise, she has held positions in industry councils, including Vice-President, Association of Women Entrepreneurs of Karnataka (AWAKE). Rightly, she was awarded Rotary Award for Best Model Employer, National Award for Best Small Industry, and most note worthily, the **Padmashri in 1989** from the Govt. of India.

After the S.M. Krishna government came to power, she was accorded an even more prestigious assignment, as a Chairperson of the Vision Group on Biotechnology to draw up the State's Biotech Policy. The policy was announced recently, just before the 'Bio.Com' and is the first ever such policy in the country with farsighted provisions and help to the industry. It is only after Karnataka announced its policy that Hyderabad did so.

So how did Biocon India happen? Kiran, never the one to shy away, is open about the huge inspiration she got. "A chance meeting with the founder of Biocon International, Leslie Auchincloss marked the start of Biocon India. I had dreamt of doing many things but never of starting a company of my own," she has admitted.

But it was never smooth going. Banks and financial institutions had never heard of biotechnology back then and shied away from her proposals. An added reason was also that she was a woman. This was also the problem when she started recruiting, because people were wary of working for a woman. But it did not take long for Kiran to dispel those myths. Ask her today whether things have changed, and she will probably reel out statistics of the number of people working for her and remark with a twinkle in her luminous eyes, "Ask my colleagues!"

Ever since Biocon became the buzzword in the market for the emerging field of biotechnology, Kiran has been a much-quoted personality. But she will always tell you that her belief in the field, a magnificent team of people who shared her passion for the subject, determination and urge to succeed have all contributed to Biocon's reputation as the leader.

Kiran is never the one to be satisfied with what she is doing or started. New things fire her imagination and she yearns to do something different. It was this same yearning, which probably saw her researching, and publishing a book. Though not very different from her field of experience, the collaboration, she says, proved to be very fruitful. Her first coffee table book 'Ale and Arty' was released a few months ago. It is all about brewing beer and is juxtaposed with paintings by some of India's best artists. Finding place in the book are some of the famous brewing families in the world along with beer firms in the country. Artists who have worked for it include S G Vasudev, Yusuph Akral, Anuradha Nalapat, TM Aziz, Gurudas Shenoy, cartoonist Ponnappa and, Jatin Das.

So where does she go from here. "My vision is to grow into a global bio-therapeutics company with very innovative and proprietary products and technologies. Two years is a very short time to predict drug discovery but we hope to discover a few new drug molecules in three-four years through a new in-house initiative."

Person of the Month

Chitta Ranjan Satpathy, student of 4th semester, CSE, is the Person of this Month. This special issue of enews is happy to write about Chitta, the brightest star of the sky who played the key role in bringing Champions Cup in Cricket for NISTians. He has created history in the Inter College Cricket Tournament of *TechFest-2007* organized by BPUT. He scored 178 runs in 48 balls(18 sixes & 16 fours) against Purosattam Institute of Engineering and Technology, Rourkela, 25 runs in 25 balls against Orissa Engineering College, 29 runs in 12 balls against UCE, Burla, 30 runs in 24 balls against Silicon Institute of Technology, 5 catches, 2 stump out and 2 run out in wicket keeping. This unbelievable performance has brought the victory for the NIST team.

Chitta has shown his talent equally in academics. He passed 10th from the Blesses Sacrament High School(ICSE) securing with 84.5% and 10+2 from Samanta Chandana Sekhar College, Puri with 66% and obtained 8.15 CGPA in the last 3 semesters in BTech(CSE) published by BPUT. His hobbies includes playing cricket, chess & watching movies. He also likes to take active part in social services. His motto is - one should enjoy each and every moments of life. He is the son of Mr. Rabinarayan Satpathy and Mrs. Sanjukta Satpathy of Puri, Orissa.

Photograph of the Month
(*Let us work for them, Sent by Dr M Reza, Faculty*)