



NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA

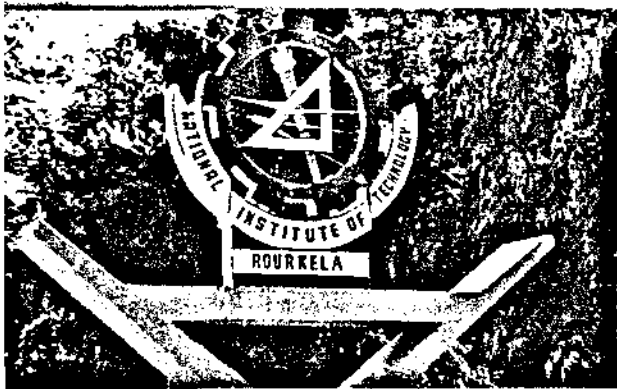
www.nitrkl.ac.in



5th

CONVOCATION

Class of 2007



Every faculty, staff and student of NIT Rourkela is passionately committed to the mission of making India a world leader in technology and science, and nurtures this commitment with honesty, hard work and team spirit.



NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA

5th ANNUAL CONVOCATION

12th January, 2008

Chief Guest

Dr. K. Radhakrishnan

Director, Vikram Sarabhai Space Centre, Thiruvananthapuram

Prof. Sunil Kr. Sarangi
Director

Sri Drona Rath
Chairman, Board of Governors

5th ANNUAL CONVOCATION

Programme

12th January, 2008

- 09:55 hrs : Academic Procession **proceeds** to the **Convocation Hall**
- 10:00 hrs : Academic Procession **arrives** in the **Convocation Hall**
- 10:02 hrs : **Invocation**
- 10:05 hrs : **Chairman, Board of Governors** declares the **5th CONVOCATION open**
- 10:06 hrs : Welcome Address and Presentation of **Report** by the **Director**
- 10:36 hrs : **Award** of Degrees by the Director
- Doctor of Philosophy
- Master of Technology
- Master of Computer Applications
- Master of Science
- Bachelor of Technology
- 11:10 hrs : Presentation of **Medals and Prizes**
- 11:20 hrs : Taking of Pledge by the Degree Recipients
- 11:25 hrs : Address by the **Chairman, Board of Governors**
- 11:40 hrs : Convocation address by the **Chief Guest**
- 12:10 hrs : **Chairman, Board of Governors** declares **5th CONVOCATION** closed
- 12:11 hrs : National Anthem
- 12:12 hrs : Academic procession **leaves**



THE CHIEF GUEST

Dr. K Radhakrishnan

Director, Vikram Sarabhai Space Centre,
Thiruvananthapuram

Dr. K. RADHAKRISHNAN, Director Vikram Sarabhai Space Centre Thiruvananthapuram is an Electrical Engineer from Kerala University (1970), MBA from Indian Institute of Management (1976), Bangalore and Doctorate from Indian Institute of Technology, Kharagpur (2000).

He started his career in ISRO as an Avionics Engineer at the Vikram Sarabhai Space Centre in 1971. He held several key positions in ISRO such as:

- Director of Regional Remote Sensing Service Centres under the umbrella of National Natural Resources Management System (1989-97),
- Director of Budget and Economic Analysis for entire ISRO (1987-97),
- National Mission Director of Integrated Mission for sustainable Development and a Deputy Director of NRSA (1997-2000).
- Director, National Remote Sensing Agency (NRSA) from Nov. 2005
- Director, Vikram Sarabhai Space Centre (VSSC) from November 2007.

During 2000-2005, he was with Department of Ocean Development (presently Ministry of Earth Sciences) as the founder Director of the Indian National Centre for Ocean Information Services (INCOIS) and Project Director of Early Warning System for Tsunami and Storm Surges.

He held several decisive roles in the international level as Vice Chairman of Intergovernmental Oceanographic Commission (IOC) of UNESCO during 2001-05, Founder Chairman of Indian Ocean Global Ocean Observing System (IOGOOS) during 2001-06, and Regional Coordinator in Indian Ocean for the International Argo Project and Member of International Argo Steering Team and it's Executive during 2001-05. He is a member of the Indian delegation to the UN Committee on Peaceful Use of Outer Space since June 2006.

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Chairman, Board of Governors
Shri Drona Rath

Shri Drona Rath was born in the year 1950 in the district of Sundargarh, Orissa. He did his schooling initially in Rourkela and Ranchi and finally completed his Senior Cambridge from St. Patrick's High School, Asansol in West Bengal. He then joined the Regional Engineering College, Rourkela in the Mechanical Engineering stream and obtained his Bachelor's Degree in Mechanical Engineering in the year 1971.

On completion of his engineering education, after a brief stint at Bridge & Roof, he joined the Central Engineering and Design Bureau of Hindustan Steel Limited (presently known as MECON Limited) in March, 1972 as a Graduate Engineer. During 35 years of his illustrious career in CEDB & MECON, Shri Rath grew in various managerial positions and finally was elevated to the post of Chairman-cum-Managing Director of MECON in September, 2005. He is also holding additional charge of Managing Director of Metallurgical & Engineering Consultants (Nigeria) Limited, a joint venture company formed by MECON with Delta Steel Plant, Ajaokuta Steel Company and Nigerian partners.

During his tenure in MECON, apart from services relating to consultancy & engineering, he has been responsible for the entire commercial and marketing activities of the company as General Manager (Commercial). Subsequently, on his elevation to the post of Director (Projects), he has been responsible for implementation of various projects in addition to overseeing the commercial functions of the company.

Shri Rath has contributed immensely to lifting the performance of the company during his tenure as Director (Projects) and Chairman-cum-Managing Director. He is also a part-time Director of Industrial Development Corporation of Orissa Limited, Bhubaneswar and a member of the Research Council of Institute of Minerals and Materials Technology, Bhubaneswar.

Shri Rath has traveled extensively within India and abroad in connection with various business interactions and assignments.

Shri Rath has been an ardent sports lover ever since his school days and he has represented his school and college in various competitions. He is a recipient of University Blue from the University of Sambalpur which makes this institute proud even today. Shri Rath is actively involved in the various sports activities being organized in MECON in particular and in & around Ranchi in general.

Shri Rath is a through gentleman with strong conviction, clear strategic vision and intellectual capacity coupled with proven managerial experience. He has been actively associated with various professional and philanthropic associations and is the Chairman of Ranchi Cheshire Home.

DIRECTOR'S REPORT

Dr. K. Radhakrishnan, Chief Guest of today's function, Shri Drona Rath, Chairman, Board of Governors, Members of Board of Governors, Members of Senate, Distinguished Guests, Colleagues, Degree recipients, Students and Staff of this institute, Media persons, Ladies and Gentlemen.

It is my proud privilege and honour to welcome you all to the Fifth Convocation of the National Institute of Technology, Rourkela. Before I present the highlights of our activities, let me have the pleasure of introducing to you our distinguished Chief Guest of the Convocation, Dr. K Radhakrishnan. Dr Radhakrishnan, Director of National Remote Sensing Agency, Hyderabad and Vikram Sarabhai Space Centre Trivandrum is a distinguished scientist and one of the most successful technocrats of the Indian Space Research Organisation.

Dr Radhakrishnan is an Electrical Engineer from Kerala University (1970), MBA from Indian Institute of Management (1976), Bangalore and Doctorate from Indian Institute of Technology, Kharagpur (2000). He started his career in ISRO as an Avionics Engineer at the Vikram Sarabhai Space Centre in 1971. During his illustrious career at ISRO, he has held several key positions, among them:

- ❑ Director of Regional Remote Sensing Service Centres under the umbrella of National Natural Resources Management System (1989-97)
- ❑ Director of Budget and Economic Analysis for entire ISRO (1987-97)

- ❑ National Mission Director of Integrated Mission for sustainable Development and a Deputy Director of NRSA (1997-2000)
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It is also my pleasure to welcome Shri Drona Rath, our esteemed Chairman of the Board of Governors to the 5th Convocation of the Institute. Shri Drona Rath was born in the year 1950 in the district of Sundargarh, Orissa. He did his schooling initially in Rourkela and Ranchi and finally completed his Senior Cambridge from St. Patrick's High School, Asansol in West Bengal. He then joined the Regional Engineering College, Rourkela in the Mechanical Engineering stream and obtained his Bachelor's Degree in Mechanical Engineering in the year 1971.

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Shri Rath is a thorough gentleman with strong conviction, clear strategic vision and intellectual capacity coupled with proven managerial experience. He has been actively associated with various professional and philanthropic associations and is the Chairman of Ranchi Cheshire Home.

The presence of these two eminent dignitaries among us will inspire our young graduates to work hard to take the Institute and the country to new heights.

With this brief introduction of the two very distinguished guests, I take the liberty of presenting before you the highlights of the institute activities during the past one year.

REC to NIT - THE TRANSITION

The Regional Engineering College Rourkela, established on 15th August 1961 with direct blessing of Late Shri Biju Pattnaik and Pandit Nehru, was designated as the National Institute of Technology on 26th June 2002 with full administrative control by the ministry of Human Resource Development, Govt. of India. On 15th August 2007, its 47th Foundation Day, the Institute was declared to be an Institute of National Importance by an act of the Parliament. A predominantly undergraduate college was converted to a composite undergraduate-postgraduate technical university. The focus changed from impartation of shop floor skills to innovation, research and development of new technology. The job function of faculty and staff was redefined in terms of creative work rather than dissemination of existing knowledge; the academic programme was redirected, at least partially, to topics of current interest and project-based learning from the traditional subjects and examination-centric pedagogy. All this required change in outlook of faculty, staff and students. We have succeeded in initiating that change, and this we consider to be our biggest achievement. We are working towards creating intellectual property that will give technological independence to our country in the world arena, and towards

generating human capital that will sustain this creative process over decades, if not centuries to come. Today every faculty, staff and student of NIT Rourkela is passionately committed to the mission of making our country a world leader in technology and science and nurtures this commitment through hard work, honesty and team spirit.

ACADEMIC PROGRAMMES

It is widely seen that globalization and the new economic order have brought in new challenges to institutions of higher learning. Availability of high quality human resource in science and technology has become an absolute necessity. Our institute has undertaken a number of steps to meet the new challenge through upgradation of our academic programme. Among the innovations introduced into the academic process during the past academic years are continuous student evaluation, course feedback, curricular reforms and online fee payment. Our Institute has tried to create an ambiance of academic excellence that is conducive to growth of innovative research and support to industry.

The academic programme of NIT Rourkela has remained one of the best in the country since the inception of the REC. That tradition has been maintained during the academic year 2006-2007, and beyond through the current academic year, with special emphasis put on the postgraduate and research programmes. With the support of the Ministry of HRD, the Ph.D. programme has been strengthened. I am happy to announce

that this year we shall award 6 Ph.D. degrees and 5 M.Tech. by Research, numbers that have steadily increased since our conversion from REC to NIT.

Since the last year our Institute is offering fellowships to Ph.D. students with approval of the Government. This facility has attracted some of the brightest and most motivated young men and women to NIT Rourkela. As approved by the Ministry, we shall continue to add research fellowships every year through both direct and project funding till the research student population becomes comparable to that in major technical universities around the world. Our research programme covers not only the traditional disciplines of engineering, but also humanities, physical and social sciences. Our proposal for being recognized as a training Institute for engineering college teachers has received favorable consideration by the National QIP Co-ordination Council. Almost all our engineering departments are now eligible to admit students to Ph.D. and M.Tech. programmes under QIP from the admission year 2008-09.

The M.Tech. (Research) programme, introduced four years ago is becoming increasingly popular. I am glad to share with you that 5 candidates are being awarded M.Tech. degree by Research in this convocation. This programme has proven particularly useful in specializations where a regular M.Tech. programme is not considered feasible at the moment.

The regular M.Tech. programme has also been expanded through introduction of new courses in several departments. Among them are the new M.Tech. programme in Ceramic Engineering, Chemical Engineering, Thermal Engineering offered by the Department of Mechanical Engineering, Power Controls and Drives in the Department of Electrical Engineering, VLSI Design and Embedded Systems in the Department of Electronics and Communication Engineering, Biotechnology offered by the Department of Biotechnology and Medical Engineering. Seven of our engineering departments have been granted recognition to admit students to M.Tech. programmes under 14 different specializations.

Our undergraduate programme continues to attract some of the best talents in the country. The B.Tech. programme has been strengthened by introduction of course feed back system, open electives, greater emphasis on project work and continuous monitoring. Computerised monitoring of attendance, personalized progress monitoring, counseling through departmental faculty advisors, and introduction of slow pace programme has made students more responsible, leading to significant drop in failures and delay in completion. The institute has introduced two new branches of study- Biotechnology and Biomedical Engineering from the academic session 2007-2008. Preparations are under way for introduction of new undergraduate programme in Industrial Design and an M.Sc. programme in Life Sciences.

As creative project work gains greater importance in our undergraduate, postgraduate and research programmes, the opportunities for creation of marketable intellectual property are increasing. To facilitate protection of such intellectual property, the Board of Governors has approved an Intellectual Property Policy for the Institute. The Institute is taking proactive steps to make faculty, students and technicians conscious of the value of their intellectual property and ways of safeguarding it.

SPONSORED RESEARCH, INDUSTRIAL CONSULTANCY AND CONTINUING EDUCATION

The Institute's faculty is being increasingly recognized by Government and private agencies through award of sponsored research grants and consultancy projects. A large number of research proposals have been submitted by faculty members to various Government agencies, and approvals are being received.

Among the successful proposals are five projects received by the Department of Ceramic Engineering: Processing of Dense Hydroxyapatite-Zirconia composites with Improved Mechanical Properties and Development of New generation Cathode Materials for Intermediate Temperature SOFCs, both awarded by the Department of Science and Technology, Development of improved tap-hole Clay Material received from M/s TATA Steel, Development of Strontium/Cobalt substituted Barium-ferrite

Materials for Intermediate Temperature Solid oxide Fuel Cell (SOFC) awarded by the Naval Research Board.

Two major projects awarded to the Department of Mechanical Engineering include that by the Department of Atomic Energy on Navigation of multiple robots using artificial intelligence technique, and that by the Defense Research & Development Organization on Ultrasonically Assisted Turning of Aviation Materials and Development of a facility for Investigation on techniques of Surface finish Improvement. Departments of Computer Science and Electronics & Communication Engineering received projects on Slicing Concurrent and Distributed Object oriented Programs awarded by the Department of Science & Technology, Testing of object-oriented software, awarded by the University Grants Commission and Restoration and de-blurring of images using blind de-convolution techniques awarded by the Indian Space Research Organization. The Department of Biotechnology and Medical Engineering has been awarded a project on Optimization of Ethanol production from agro wastes from the Department of Biotechnology, Government of India. The UGC has also awarded a project on Fundamental studies on surfactant adsorption on soil for environmental and other applications to the Department of Chemical Engineering.

The DRDO has funded a project on Synthesis and Characterization of effective lead free Piezoelectric-Ferroelectric Ceramics to the

Department of Physics. The Department of Science and Technology has granted a project on Generation & Tapping of Furo [3,4-C] Pyrazoles: Synthesis of biologically potent heterocyclic analogues, carried out by the Department of Chemistry. The first international collaboration project has been received by the Department of Electronics and Communication Engineering. The British Council has approved a project on Biologically Inspired Signal Processing Approach for Sensor Network to support collaboration research between NIT Rourkela and University of Edinburgh, UK.

The Institute's commitment to provide direct intellectual assistance to industry and Government is reflected through consultancy projects, testing service and continuing education programmes. Major consultancy projects have been secured by the Department of Civil Engineering from the Government of Orissa and from Chattisgarh Electricity Authority, Bharat Aluminium Co. Ltd., Korba and Ferro Alloys Corp. Ltd, Bhadrak. Department of Mining Engineering has received consultancy projects from Mahanadi Coalfield Limited, Talcher and from Singareni Collieries Co. Ltd., Andhra Pradesh.

Continuing Education of personnel employed in industry and Government is another major pillar over which an institution of higher learning stands. Our Institute has taken bold steps in that front, and we are beginning to be recognized.

The Department of Humanities and Social Sciences offered a course on Development

of Interpersonal Skills under TEQIP funding which benefited Government officials and faculty of local colleges, apart from young executives from industry.

In collaboration with the Indian Institute of Production Management Kansbahal, our Institute has offered an Advance Diploma in Maintenance Management and Condition Monitoring (ADMM & CN) which has received applause from industry.

A short term course on Ash Dyke Design and Management conducted by the Civil Engineering Department deserves special mention. This course was highly appreciated by nearly fifty participants from across the country. The department has taken steps to offer the course again at Bhubaneswar, and later at other cities of India. Short term courses on MATLAB, SIMULINK and LABVIEW for Engineering Applications, course on Advanced Control System Techniques and their applications were conducted by the Electrical Engineering Department. The Department of Humanities and Social Sciences conducted a short term course on "Interpersonal skills". The Department of Mechanical Engineering conducted a short term course on Computational Fluid Dynamics and Its Applications. Department of Electronics and Communication Engineering conducted courses on Digital Signal Processing-Theory, Application & Practice with MATLAB, CMOS Digital IC Design, Evolutionary Computing Techniques with Engineering Applications, and Advanced Topics in DSP with Applications to Communication and Instrumentation.

TRAINING AND PLACEMENT

The Training and Placement Centre has done an excellent job of placing our graduates and postgraduates in reputed organizations. It has also succeeded in organizing short term industrial experience for all students. I am proud to say that our graduates and postgraduates are highly rated and respected in both core and software industry. This year, companies such as IOCL, L&T, Tata Groups, DRDO, Hindalco, Mahindra & Mahindra, MECON, IBM, TCS, Accenture, Wipro and many others visited our Institute for campus recruitment. Almost all the graduates and more than fifty percent of the postgraduates have already been placed through campus placement. Many of the students have been selected by their dream companies like Microsoft, Samsung (R&D), Amdocs, ITC, Tata Motors, Sasken, Schlumberger, Maruti, NTPC etc. Work is in progress to build superior infrastructure for placement activities.

THE RESEARCH AND LABORATORY FACILITIES

To build a world-class institute, we need world-class infrastructure. This year, a number of new and sophisticated equipment have been added to our laboratories under both Plan and TEQIP funding. Among the major equipment installed are: Mobile Platforms & Robots, Pin-On-Disc Machine, Dynamometer, Seat-Pad Accelerometer, Triaxial Accelerometer, Human vibration meter, CNC Lathe & Milling Desktop Machine,

Linear Conveyor System, Integrated Multi-Process Machining/Micro-machining, Turbine based Liquid Nitrogen Generator, Laser Machining System, Air Jet Erosion Tester, Two body Abrasion Tester, Rotating Bending Fatigue Test Machine, etc. in the Department of Mechanical Engineering. An advanced Zeta-meter and a Nano-particle Size Analyzer have been procured by the Department of Ceramic Engineering. The Structures Test Frame, Pore water pressure measurement system, Atomic absorption spectrophotometer, Dynamic Shear Rheometer and Modified Marshal test Apparatus, procured by the Department of Civil Engineering, make it one of the best equipped Civil Engineering Departments of the country.

Our Metallurgy and Materials engineering department has been enriched by the addition of Scratch Tester, Wear & Friction Monitor, Potentiostat, Immersion Type Ultrasonic Processor equipments. The Mining Engineering Department has added computerized compression testing machine, Rock Triaxial testing unit, Digital Rheometer, Atomic absorption Spectrophotometer.

We have also added a series of high value technical software to our laboratories. They will be useful not only in research programmes and student projects, but also in a new range of software based laboratory classes. A multimedia digital Language Lab has been set up by the Department of Humanities and Social Sciences.

THE COMPUTING INFRASTRUCTURE

With a liberal plan grant from the government, we have substantially improved the computing infrastructure of the Institute. I take special pride in highlighting the quantum jump in the computational capabilities. Not only each faculty member, but also every research student has a high end PC for research and communication. Every department has been given a computer laboratory of proportionate size for student use. In addition, the central computer center has built two large computing halls which can accommodate nearly hundred fifty students. All the facilities are opened round the clock depending on the need of usage. All the rooms of the student halls have been connected to the institute LAN through ethernet cable and fibre optic back bone. Wireless LAN connection is available in Hall-1, and in the newly renovated Lecture gallery Complex. Our continuously growing campus needs constant revamping and augmentation of facilities. The networking of the hostels has been implemented with "Extreme" range of switches and AMP certified passive networking components. We are working towards providing broadband network connectivity using ADSL technology to faculty quarters.

With the expansion of the network to the hostels and consequent enhancement of the user base, the old core switch, which is the heart of the network, has been augmented by an enterprise level switch working at 800

Gbps. The server infrastructure has adequate number of servers, Storage Across Network (SAN) and Network Attached Storage (NAS), six Terabytes of Fibre channel storage and Ultrium tape drive of 4 Terabyte capacity. This composite infrastructure provides central storage and high speed computing facility to the academic community. We are in the process of acquiring Blade servers to improve our server infrastructure. The institute has also procured Microsoft Site License for MS Windows XP desktop operating system, MS office XP and MS Visual Studio. In addition, we have set up site license for basic technical software such as MATLAB, Autodesk Mechanical desktop, Autodesk Civil Desktop, Fluent CFD package, Qualnet mobile Communication Simulator, Lab View simulator software for DSP, Communication & Process Control. The Institute also has campus license for Data Security Solution from Computer Associates.

The institute is connected to the outside world through a 16 Mbps dedicated Internet link from STPI Rourkela and Reliance Communication which operates round the clock. This link has helped us to provide uninterrupted Internet facility to every one on our campus. The Internet connection also helps the outside world get access to our institute through our Internet website. We have introduced an identification management solution that provides uniform login for mail server, Linux servers, file and application servers and for secure Internet

access located in the campus. A laboratory for Computer Aided Drafting and for training in computer basics has been set up in the Civil Engineering Department.

CONFERENCES, SEMINARS AND WORKSHOPS

Conferences, seminars and workshops are important academic activities that foster interaction among scientists and increase visibility of the Institute among its scientific peers. The Institute has taken initiatives towards hosting of scientific conferences and inviting scientific workers from across the country to our campus. The Department of Computer Science and Engineering organized an International Conference on Information Technology. A Workshop on Capacity Building for Women Managers in Higher Education was organized under UGC support. The Department of Chemical Engineering conducted conferences on Catalysing vision 2020-challenges before Indian Chemical Engineers (CV-2020) and on Issues and challenges of Sponge Iron Industries around Rourkela. The Department of Electrical Engineering hosted a number of conferences and workshops, among them the National conference on Smart Communication Technology and Industrial Informatics, All India Seminar on Energy, Environment and Economics-EEE 2007. The Department of Humanities and Social Sciences hosted a conference on: National conference on "Technological Advances and Emerging Societal Implications. The Department of

Mining Engineering is preparing to host the National conference on Emerging Trends in Mining and Allied Industries. The Department of Mechanical Engineering conducted a conference on Development in Composites. A series of conferences have also been planned for the year 2008.

STUDENT ACTIVITIES

An equitable balance between academics and extra-academic activities is necessary for development of all round personality of an individual. The students of our Institute have been known for their excellence in sports and cultural activities, and the Institute has always lent active support to these programmes. The Student Activity Centre (SAC) has been given a new constitution, encouraging stronger participation by the students in management. The process of student body election has been simplified and directed towards creation of an all India fraternity without a regional bias. The activities have been grouped under four societies: the Technical Society, the Games & Sports Society, the Literary & Cultural Society, and the Film & Music Society. Each society has been given specific responsibility and a free hand to choose the method of carrying them out. For the first time, the SAC has been permitted to support self-driven student initiatives in the form of technical, cultural and sports clubs and associations.

During the year under review the SAC has been very active. The Technical Society of

the Student Activity Centre has coordinated the Third Annual National Level Student Symposium, CONFLUENCE 2006 during January 12 to 15, 2006. Students from institutes across the country participated in the seminars, technical games and in model and software contests. Our students have also participated in TECHNICHE 2006, the technical festival of IIT Guwahati and bagged the Runners-up medal in the (PATHFINDER) robotics competition. B.Tech. final year students of the Department of Chemical Engineering have made the Institute proud by being placed as the second runners up in "Chemical Quiz" organized by the Indian Institute of Chemical Engineers (IICChE) and Larsen & Toubro (L&T) at Jadavpur University, Kolkata. Four undergraduate students of NIT Rourkela, Abhijit, Supreet, Sumeet and Amartya bagged the Second Runners Up prize at the prestigious Intel India Research Challenge Contest for their project on the Decision Support System for Disease surveillance in Rural India. I congratulate all our students for their achievement and wish them success in technical, sports and cultural events during the years to come.

The Games & Sports Society organized the Inter NIT Sports meet covering lawn tennis, basket ball and football. I am happy to share with you that NIT Rourkela students bagged the highest position in Football. The Games & Sports Society also organized the 45th Annual Sports Meet of the Institute during 3rd and 4th November 2006. The students

of the Institute had a unique opportunity of playing a friendly cricket match with the National Hockey team led by the Captain Sri Dilip Tirkey in our sports stadium on 12th November.

The students of our institute have traditionally published several Newsletters and magazines that have high cultural and journalistic value. The latest in the series is an electronic newsletter named Monday Morning which brings all information about the institute to every desktop when we start the week. I congratulate the student team and their faculty advisor Dr. Ipsita Das for the wonderful service.

CAMPUS INFRASTRUCTURE

The NIT campus has a new look with regard to buildings, roads, utilities, security, cleanliness and hygiene. This has been possible by the constant supervision, upgradation and development efforts put in by the entire campus community. The campus, particularly the academic area, now has green lawns, gardens and flowers. It has all the amenities for developing superior personal, social and academic skills. The campus community has strived to inculcate the spirit of teamwork among the students, faculty, staff and their family-members to create a cultural bond among all.

It is a mini-township in itself with all modern facilities including its own water-supply system. The demand of electricity in the academic as well as residential areas has

increased over the past few years. In order to overcome the problem of power shortage, new transformers have been procured, overhead lines are giving way to underground cables and the state electricity authorities have been approached for improving the quality of power supplied. The academic area, campus and hostel area have been better illuminated. The student hostels have also received a face-lift and much more are in the pipeline. It's my pleasure to announce that the four hundred seater Homi Bhabha Hall for men has been fully operational, and our chief guest has just laid the foundation of a new thousand seater hostel named after the founder of India's successful space programme, Dr. Vikram Sarabhai. The institute has just created a hostel for married students which will boost enrolment in our research programmes. Work is proceeding fast on construction of a new swimming pool and renovation of Student Activity Centre. Our chief guest has also laid the foundation stone of a major campus extension which will include a new lecture hall cum computer center complex, the Departments of Electrical Engineering, Electronics and Communication Engineering and Biotechnology & Medical Engineering. Plans are underway to provide new state of the art facilities for the Departments of Mechanical Engineering and Industrial Design in the same complex. Other major construction projects include a new complex on faculty housing, renovation of all existing staff quarters, new drinking water supply system to both academic and residential

campuses, a new integrated sewerage system, extension of academic building, lighting of sports stadium, a new captive 33 kV/11 kV substation and much more. With support from the Government of India, we expect that during the next three years the institute shall add a billion rupees worth of civil and electrical infrastructure, thus helping NIT Rourkela serve a much larger student population. The well-furnished and aesthetically designed Guest House (South Block) is an attraction by itself for the visitors. The flora & fauna around it make the stay nice and pleasant. The North Block, commonly known as the Visitors' House provides comfortable stay with improved boarding and lodging facilities. With these facilities in place, I can now assure the distinguished guests of today's function an enjoyable stay and pleasant interaction.

OUR ALUMNI

Our alumni have played a major role in building the positive image of the Institute in India and abroad. The Alumni Association NITRAA has established strong links between its members through electronic media. The electronic newsletter published by the association not only distributes news about the alumni but also highlights the achievements of alumni, faculty and students. It facilitates communication among alumni distributed around the globe and sharing of nostalgic thoughts. Many of our distinguished alumni have accepted responsible assignments, which have brought glory to our Institute. In keeping with national

trend, the alumni are working towards becoming a major source of financial and technical resource for the future generation of students.

Shri Sandip Das an alumnus of 1978 batch of B.Tech. Mechanical Engineering has been appointed as Deputy Managing Director of Hutchison Essar, one of the most reputed telecom companies in India. Dr. S. Mohapatra of 1971 batch of B.Tech. in Electrical Engineering has been appointed CEO & Chairman of the Board of Quest Diagnostics Inc, the leading provider of diagnostic testing information and services in the U.S. His company features in the Fortune 500 list of companies. Shri S. P. Rao an alumnus of 1969 batch of B.Tech. Electrical Engineering has been appointed as the new Chairman and Managing Director in the prestigious Gas Authority of India Ltd (GAIL). Shri Tushar Kanti Mishra an alumnus of 1981 batch of Chemical Engineering has been appointed as the Vice President, Pharmaceutical operations at Pharma Company Monosal Rx. LLC, which is also a fortune 500 company and a leading producer of water soluble drug component. Recently, the 1982 batch alumni celebrated the Silver Jubilee of their graduation in the campus. It is a glorious tradition, and I am sure future generation of alumni including the 2007 batch will keep it glowing for ever. I am also happy to announce that the Directors of NIT, in their recent meeting held in the Board Room of NIT Rourkela, have decided to work towards creation of Par_NIT Alumni Forum that will

be a source of technical and managerial support to the Government and the nation. I am confident that the alumni of NIT Rourkela will take a leading role in giving this new organization a structure and a mission, and in helping it achieve its goal.

GRADUATES OF THE YEAR

In this Convocation we are going to confer the much valued degrees of NIT Rourkela on 341 B.Tech. , 108 M.Tech., 5 M.Tech. (Research), 37 M.Sc., 29 MCA and 6 Ph.D. students. I feel honored to announce the names of the students who as recipients of Gold Medals for their academic excellence have made their alma mater really proud of them. I personally congratulate the two institute Gold Medal winners: Shri Nilkesh Patra, the Best Graduate of the year and Miss Durga Digdarsini, the Best Post Graduate, both belonging to the Department of Electronics & Communication Engg. I also congratulate Sidhartha Patnaik a graduate of the Department of Mechanical Engg., who has been conferred the coveted Professor Bhubaneswar Behera Gold Medal for the Best All rounder of the 2007 undergraduate batch. I congratulate the winners of the silver medals and all graduating students on successful completion of their mission of obtaining well deserved degrees from this wonderful Institution. On behalf of the Institute I offer my heartiest congratulations to all the graduating students and medal winners. I hope the knowledge and training you have received from this institute will

empower you to overcome all challenges in your future endeavours.

Parents and family members of the degree recipients deserve our congratulations for providing encouragement, support and inspiration to these students. I share this moment of joy and pride with the parents who are present in the hall or waiting eagerly a thousand kilometers away for a phone call from their worthy children. Your child is a special person who has proven his or her worth by earning a degree from this prestigious institution. This degree however, confers on him a special responsibility to lead the nation on the path of progress. The degree he received will open up a number of opportunities enabling him to see the wider horizons of life. We shall all be looking forward to his/her achievement in future. NIT Rourkela is an institution where every faculty, staff and student achieves his potential. We expect our graduates and postgraduates will make the same thing possible for millions of people around the world through their honesty, hard work, team spirit and concern for the under privileged.

The students graduating from prestigious engineering institutions during this decade are a special lot. They are entering the job market when our country is poised for

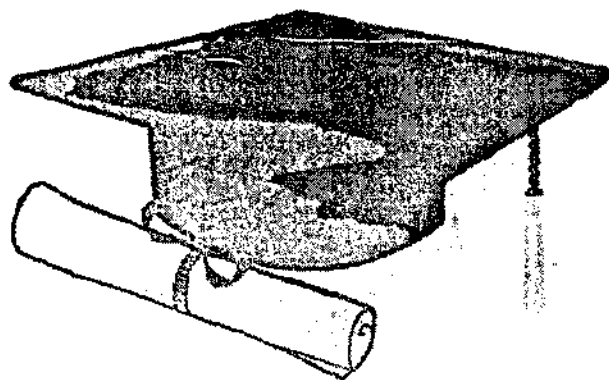
quantum growth in technological capabilities and industrial output. Unlike many of their predecessors they will face global competition. They will play a significant role in the industrial scenario not only of our nation but of the whole world. They will have to perform a multitude of tasks at their work places which they were not taught in the Institute. In this age of competition they have to continuously work hard and learn new things to be successful in their fields. Though there may be many ups and downs, I am confident that our students will have the capability and the dedication to stand up to the situation and do their bit in creating the new India.

Before closing this report, I take the liberty of sharing a personal thought that most NITians share with me. Engineering institutes are places where faculty and technicians earn their living by marketing the principles and methods of technology. NIT Rourkela is an institute where TECHNOLOGY is a WAY OF LIFE, not merely a source of livelihood. Through the coveted NIT certificate, I charge every recipient of the degree with the responsibility of spreading the religion of technology among the population of our vast country, and beyond.

JAI HIND

Rourkela
12th January, 2008

Sunil Kumar Sarangi
Director



Degree Recipients

DOCTOR OF PHILOSOPHY

Department & Candidate's Name

Title of the Thesis

CERAMIC ENGINEERING

Debasis Sarkar

Synthesis & Thermo-Mechanical Properties of Sol-Gel Derived Zirconia Toughened Alumina Nanocomposite.

ELECTRONICS & COMMUNICATION ENGG.

Subhransu Ranjan Samantaray

A New Approach to Power System Protection using Time-frequency Analysis and Pattern Recognition.

MECHANICAL ENGINEERING

Rabindra Kumar Behera

Vibration Analysis of Multi Crack Structures

Sewan Das Patle

Analysis and Measurement of Thermophysical Properties by Temperature Oscillation.

PHYSICS

Biswajit Mallick

Characterisation of In-Air Neutron and Proton Irradiated Polyethylene Terephthalate Fibre.

Satrughan Das

Study of Plasma Spray Alumina-Aluminide Composite Coating on Metals

MASTER OF TECHNOLOGY (RESEARCH)

Department & Candidate's Name

Title of the Thesis

CERAMIC ENGINEERING

Deepak Mohapatra

Processing of MgO-MgAl₂O₄ Ceramics and Study of its Microstructure, Strength and Thermal Shock Resistance.

COMPUTER SCIENCE & ENGINEERING

Aser Avinash Ekka

Fault Tolerant Real Time Dynamic Scheduling Algorithm for Heterogeneous Distributed System.

ELECTRICAL ENGINEERING

T Vamsi Krishna

Development of Naval Neuro-Fuzzy Techniques for Adaptive Systems.

ELECTRONICS & COMMUNICATION ENGINEERING

Ipsita Bhanja

Performance Evaluation of Phase-Optimized Spreading Codes in Non-Linear DS-CDMA Receiver

MECHANICAL ENGINEERING

Laxmi Mohanta

Dynamic Stability of a Sandwich Beam Subjected to Parametric Excitation.

MASTER OF TECHNOLOGY

CHEMICAL ENGINEERING

(Coal Chemicals & Fertilizers)

Subal Chandra Rana
K Gobordhan Patro
Ramesh Babu Aremanda
Alok Tripathy

CIVIL ENGINEERING

(Geo-Technical Engineering)

Madhavi T
Pratap Kumar Haripal
S Suchismita Mohapatra
Jayaram Das

(Structural Engineering)

Narasingha Mahanta
Rambabu Rongala
Bikram Kumar Mohapatra
Sadgurumoorthy Narni
Pomdugula Govinda Reddi
Bhutada Sushil Yuvaraj
Bibhu Prasad Lenka
Jayashree Behera
Minakshirani Rout
More Rajkumar Champatrao

COMPUTER SCIENCE & ENGINEERING

(Computer Science)

Sairam Kulkarni
Sunil Babu Guntur
E Srikanth

Sukromony Lakra
Praveen Namburu
Tony Xavier
S Jaydev
Banalata Sarangi
Madhusmita Sahu
Krishna Nemalipuri
Satish Reddy. A
Sathish Kumar M
Pushpanjali Sahu
Ravindra Kumar Bind
Katherasala Kalpana

ELECTRICAL ENGINEERING

(Electronic Systems & Communication)

Rahul Dey
Anil Kumar Pattanayak
Saibal Dutta
B Pavan Kumar
T Mita Kumari
Ramakrishna Dommati
S Syam Babu
Naga Lakshmi Pattela
Bhanja Kishor Swain
Purnachanra Rao Tananki
Shankar Ram
Suchismita Behera

(Power Control & Drives)

Desireddy Pradeep Kumar
Sobha Chandra Barik
Venkata Rama Krishna G
Rambabu Surala
Kurma Saimallika
Kamaljeet Kaur
Monalisa Das

Jyotshnamayee Pradhan
Dodda Raghurama Reddy

ELECTRONICS & COMMUNICATION ENGINEERING

(Telematics & Signal Processing)

S Venkateswara Rao
Grandhe Jaganmohan Rao
Banoth Balaji
Kommu Ayyanna
G Ramesh Naidu
Arati Sahoo
Ajit Kumar Sahoo
Pradeep Ch
Nihar Ranjan Panda
Manoj Kumar Gupta
Kamal Kumar Mukiri

(V.L.S.I. & Embedded Systems)

Durga Digdarsini
Naresh Reddy
Jagadeesh Darapu Reddy
Srikrishna Jana
Venkat Reddy G.
Neerella Srikanth
Sureshkumar Aanandam
L Mallesh
Govindamutyalarao T
Koyyalamudi Rakesh
Sagara Panidu
Tarani Chaitanya Chinta

MECHANICAL ENGINEERING

(Machine Design and Analysis)

Krishna Swamy Cherukuri
Nalla Thulasi Ram

Sadikababa Shaik
Rajeshbabu Gunde
Bhuwaneshwar
Vijaya Sagar Tenali
Venkata Sai Gopal K.

(Thermal Engineering)

Gadi Chanukya Reddy
Rishi Kumar Dear
Sudhakara Rao Koduru
Karri Ammi Reddy
Satya Prakash Kar
Saroj Kumar Patra
Rajeev Kumar
Shankar Mishra

(Production Engineering)

Nilima Jena
Sanjeeb Kumar Tirkey
Sk Abdul Ohid
Maruboina Chaithanya
Vishwesh Dikshit
Punyapriya Mishra
Amrita Priyadarshini
Shiv Ranjan Kumar
S Nagamahendrababu
Sasmeeta Tripathy

METALLURGICAL & MATERIALS ENGINEERING

Anupama Sahu
Bhabani Sankar Swain
Ram Narayan Chauhan
Pawan Kumar
Rojaleena Das
Neeti

MASTER OF COMPUTER APPLICATIONS

First Class

Samrat Som
Ajay Kumar Jha
Srinibas Panda
Pankaj Kumar Routray
Manoj Kumar Bishwal
Pawan Kumar Mall
Rajendra Kumar Bhoi
Sanjaya Kumar Ranasingh
Shilaba Roul
Dhamange Gaurao Sudhakar
Amit Kumar Padhi
Atul Kumar Gupta
Nishant Roopalwal
Pabitra Kumar Rout
Sheetala Prasada Suaro
Debasish Tripathy
Somya Kanta Thatoi
Gayatree Sabat
Prashant Kumar Das
Vijay Kumar
Abhijit
Kunal Mittal
Atul Kumar Katiyar
Prakash Kumar
Pooja Seet
Jitendra Kumar Gupta
Sudip Banerjee
Pankaj Upadhyay
Ratan Roy

MASTER OF SCIENCE

CHEMISTRY

First Class

Amrita Jagadev
Binay Kumar Dash
Radha Ballav Biswal

Smruti Rekha Dash
Jyotismita Mohakud
Suman Kumar Giri
Akhil Kumar Poddar
Sagarika Pasayat
Bhargabi Shur

MATHEMATICS

First Class

P Saikrishna Chaithanya
Amarnath Mitra
Swapnita Mohanty
Taposh Kumar
Goutam Sutar
Ruma Samajdar
Binodini Pradhan
Jyotirmayee Gouda
Rahul Singh
Kiran Modukuru
Ashrita Patra
Sucharita Nayak

PHYSICS

First Class

Meenakshi Behera
Prakash Kumar Palei
Ranjan Kumar Harichandan
S.Naresh Kumar
Biswajit Ransingh
Nandita Jena
Arpita Das
Una Sharda
Annapurna Patra
Anita Behera
Sabita Meher
Dadhikanta Badhai
Madusmita Moharana
Pratyus Acharya
Sasmita Das
Biswanath Bhoi

BACHELOR OF TECHNOLOGY

CERAMIC ENGINEERING

Honours

Pauljin Kochupylloth
Bipin Kumar Singh
Teena Sarkar
Nabid Anjum Khan

First Class

Anuj Kumar Ray
Binit Kumar
Preetam Jena
Vijay Kumar
Suket Gupta
K Rohan
Jasjit Singh Banga

CHEMICAL ENGINEERING

Honours

Jyoti Ranjan Swain
Debasish Mohapatra
Rakh Kapil Ramrao
Aby J Kottukappally
Vikash Kumar
Debasish Bhutia
Rosalin Pradhan
Sudeep Mohapatra
Lalit Mohan Sahu
Sarthak Das
Vivek Chandan Mohapatra
Debashis Sahu
Arabinda Nayak

Ketan Gulati
Jayesh Doshi
Soumya Darshan Mishra
Devesh Pandey

First Class

Rashmiranjan Sahoo
Shashi Kant Sharma
Biswanath Jena
Virendra Pratap Singh Rao
Diwaker Pandey
Amit Nag
Saurabh Kumar Pandey
Vaibhav Somani
Lalit Kumar
Pratap Chandra Das
Kumar Bhaskar
Sankalp Tripathi
Suvra Das
Bikash Ranjan Sahoo
Ankit Gupta
Varun Bharti
Srinivasan K V
Deepak Kumar Dash
Mahendra Kumar Khuntia
Maya Majhi

Second Class

Dharmendra Kumar Mishra

CIVIL ENGINEERING

Honours

Bijay Kumar Behera
Prasanjit Prusty
Bedabrata Bhattacharjee
Jyoti Kamal Das

Sudipto Paul
Santanu Kumar Sahoo
Minakshee Sandha
Chandan Rai
Sangireddy Harish
Manas Mohanty
Manoranjan Sahoo
Tandrita Biswas
Mantha Vasavi
Anala Satya Venkat Nagender
Biranchi Narayan Tripathy
Supriy
C Kashyap
Upananda Rath

First Class

Arpit Srivastava
Sourava Kumar Sethy
Satyabrata Behera
Deeptiranjana Nag
Soubhagya Ranjan Mohanty
Sushmita Sahu
Manas Manchanda
Biswabikash Rout
Srivatsan K R
Devi Prasad Mishra
Usharani Panda

Second Class

Anil Meena

**COMPUTER SCIENCE &
ENGINEERING**

Honours

Mrunmoy Panigrahi
Hitesh Agarwal

Bikash Sharma
Abhijit Ghosh
Supreet Padhi
Amartya Singh
Deepak Prasad
Tanvi Ritwik
K Krithika
Suryadeep Biswal
Omkar Guru
Sumeet Priyadarshini Dash
Kundan Kumar Das
Deepak Kumar Das
Anant Vijay Aneja
Richa Khandelwal
Aman Jain
B Murli Krishna
Aravinda Jenamani

First Class

Anshuman
Utsav Saraf
Gaurav Jaiswal
Deepjyoti Nath
Soumyaranjan Kar
Patki Akash Ramesh
Sanjay Majumdar
Sapan Kumar Panda
Jaya Chandra Behera
Karan Bhalla
Rohit Kumbhalwar
Mahendra Singh Chauhan

Second Class

Ankit Rai
Sandeep Kumar Gupta
Dimol Soren

Jnanaranjan Mallick

Pass

Binish N

ELECTRICAL ENGINEERING

Honours

Debraj Roy

Kattamuri Srinivas

Abhisek Das

Anant Kumar

Himanshu Shekhar Acharya

Pankaj Sharma

Sitanshu Mishra

Rahul Kumar Das

Sambit Kumar Dash

Prabhudutta Panigrahi

Biswajit Mohanty

Vankadara Nvd Manohar

Satyasuranjeet Behera

Sikta Pany

Sunita Patel

Dhananjaya Sahoo

Umesh Kumar Agrawal

Santosh Kumar Mohapatra

Ashis Patel

Chittaranjan Samal

Santosh Pallav Sahu

Debashis Panigrahi

Shilpi Baral

Ankur Bansal

Sushmee Badhulika

Ritesh Sahoo

Kunal Biswal

First Class

Aniruddh Kumar Jha

A Narendrababu

Ravi Shanker Verma

Mohammed Rehan Memon

Munshi Shreerang Pradeep

Chaudhari Gaurav Uday

Sheeladitya Mohanty

Ramendra Pathak

Jasobanta Sahoo

Radharaman Sahoo

Ravi Viswanathan

Sanjeev Balachandran

Sushree Swetapadma Mallik

Rahul Puri

Sibasis Mohapatra

Gyana Ranjan Rath

Ajay Kumar Sinha

Anupam Saha

Saroj Bariha

Ravi Shankar Prasad Choudhary

Sauvagya Mallick

Suryakant Mallick

Abhinav Garg

Monalisa Bisoi

Priyajita Upadhyaya

Sandeep

N Siva Prasad

Uma Shankar Roshan

Mathew Ashley Thomas

Bhaskar Bateja

Meshram Avishkar Uttam

Samprit

Suresh Kumar

Karthikeyan G

Santosh Kumar Barada
Bibhuti Prasad Sahoo
Saurav Mallick
Sachindra Bar

Second Class

Sunil Hansdah
Nem Kumar Neeraj

**ELECTRONICS AND
INSTRUMENTATION
ENGINEERING**

Honours

Nilkesh Patra
Shrinivas Ron
Chinmoy Mohapatra
Rohan Mishra
Soumya Ranjan Panda
P Shiva Prasad
Dipti Ranjan Panda
Moumita Ghosh
K A S Srikanth Pentakota
Swapneel Prasanth Mishra
Chittaranjan Nayak
Amogh Mahapatra
Rajballav Dash
Swamy Saran Atul
Abinash Mohanty
Debadatta Patra
Pradeep Kumar Chachan
Sambit Kumar Das
Sila Siba Sankar
K Srinivas
Abhishek Kumar Srivastava

First Class

Subhrajit Mishra
Rajdeep Karmakar
Debasish Jena
Margret Minj
Sunil Kumar Mohanty
Sandeep Mukherjee
Ruchir Pandey
Sandeep Chhabra
Amiteshwar Kumar Abhijeet
Ishan Dhar
Nabin Bismay Prakash Minz

MECHANICAL ENGINEERING

Honours

Abhisek Saran
Mayur Saraogi
Ranjan Sahoo
Shivakumar Satyanarayan
Manik Chandra Mahapatra
Pradeep Kumar Pati
Kishore Chandrasekhar Patnaik
Amit Bikram Kar
Shivam Srivastava
Bikash Kumar Kedia
Manu Kanchan
Debashish Das
Sourabhsingh Raghuvanshi
Vivek Vishal
Dinesh Kumar Mandal
Pinaki Samantaray
Sidhartha Patnaik
Soumya Ranjan Sahoo
Amarendra Kumar Patel
Sayan Roy

Rashmiranjan Mohakud
Paresh Ranjan Nayak
Mitrabhanu Mahapatra
Sourav Mazumdar
Ashwini Kumar Maharana
Manas Ranjan Sahoo
Devendra Nenava
Piyush Dwivedi
Satyaprakash Biswal
Sibashish Priyadarshi Acharya
Swarnendu Manna
Abhinav Chanakya
Sanjit Jesthi
Barun Prakash Nanda
Swetaleena Mishra
Sambit Das
Sudarsana Jena
Samarendra Das

First Class

Lalit Kumar
Pankaj Kumar Soni
Goudhaman J
Raju Gholley
Saikat Sinha
Abhijit Datta
V Venkatesh
Ankur Bansal
Bimal Kumar Patel
Chandru R
Ronald Wilson Beck
Amit Kumar Prasad
Dibyajyoti Behera
Panigrahi Priya Ranjan
Hemendra Kumar Tyagi
Shweta Nayak

Asim Pujapanda
Nikesh Kumar Behera
Sabir Kumar Samad
Sunil Kumar Kanhar
Abinash Mohapatra
Murali R
Aswini Kumar Bagh
Sudipta Senapati
Rahul Singh
Sandip Datta
Gopal Krishna Nanda
Pradeep S
Rishi Gupta
Pendram Ashish Namdeo
Biswajit Pattnaik
Aarjav Singh
Varun Garg
Manish Soni
S Karthikeyan
Bimal Kumar Gouda

Pass

Chaitanya Hembram

**METALLURGICAL & MATERIALS
ENGINEERING**

Honours

Tushara Kanta Nath
Kaushal Kishore Singh
Rahul Dev Mahanta
Sivananda Subudhi
Sabitra Subhadarsan Panda
Sweta Mohanty
Sushil Panigrahi
Gaurav Gupta

Abhisek Bose
 Itishree Mishra
 Asima Priyadarsini
 Manoj Kumar Pradhan
 Subash Chandra Sahu

First Class

Abhishek Singh
 Neeraj Vimal Prasad
 Pankaj Kumar
 Balaram Bijaya Kumar Behera
 Pavan Kumar Sathiraju
 Jitendra Kumar Behera
 Satyajit Panda
 Satyabrata Sutar
 Nirmal Chawla
 Dinkar Roy
 Subrat Das
 Pradipta Kumar Das
 Arpit Nag
 Surendra Kumar M
 Sudipto Bhattacharjee
 Diwakar Kumar
 Samir Sharma
 Bhuvnesh Garg
 Lipsa Mahapatra

Second Class

Gambheer Singh
 Mahendra Kumar Meghawal

MINING ENGINEERING

Honours

Vikram Sahu
 Prashant Kumar Nayak
 Matru Prasad Sabyasachi Das
 Sidhartha Sankar Nayak
 Chinmay Kumar Parida
 Manmit Rout
 Ankur Upadhyay
 Manish Kamal
 Vipul Gupta

First Class

Pir Mohan Behera
 Suman Chakraborty
 Ashrit Das
 Pratap Kishor Tandia
 Sidharth Das
 Saurabh Jain
 Srikrishnan V
 Sanjib Kumar Pradhan

Second Class

Pradyumna R Urs



राष्ट्रीय प्रौद्योगिकी संस्थानम् राउरकेला

दीक्षांत - प्रतिज्ञा

सर्वे वयं राष्ट्रीय प्रौद्योगिकी संस्थानस्य स्नातकाः अस्मिन् महार्धे महोत्सवे समवेताः
शपथमिदं पठामः यत् :-

विविध वैषयिक स्नातकाभियांत्रिकभावेन परमनिष्ठया त्यागेन च सह सदैवं
स्व-स्व कर्तव्यं सुचारुः संपादयिष्यामः ।

येन केन परिस्थित्यागतेनापि व्यक्तिगतस्वतंत्रतायाः वृत्तिगत मुल्यबोधस्य
च संरक्षणाय सततं चेष्टिष्यामहे ।

पुनश्च अत्रोपार्जितं सूचना - प्रयुक्ति यंत्रविज्ञान ज्ञानराशिं च विश्व मानवसेवायां
नियतं विनियोज्य अस्य अस्मद् महागुरुकुलस्य सुचिरं सम्मानमक्षुण्णं
रक्षिष्यामरितिशम् ।



**NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA**

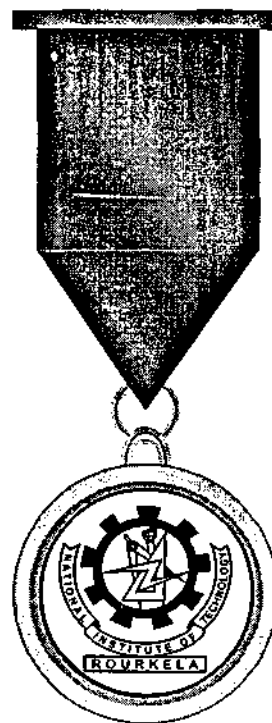


We the students of the National Institute of Technology, Rourkela, graduating in the year 2007, hereby pledge-

“That we will discharge our duties as Engineers, Scientists, and Technologists with utmost sincerity and dedication,

That we will strive under all circumstances to maintain individual dignity and professional integrity, and

That we will utilize our knowledge in the field of Science and Technology to serve the humanity and to uphold the dignity of our Almamater”



Medals and Prizes

WINNERS OF INSTITUTE GOLD MEDALS



Durga Digdarsini
Department of Electronics & Communication Engineering
Best Post Graduate M.Tech-2007



Nilkesh Patra
Electronics & Instrumentation Engineering
Best Graduate B.Tech -2007



Sidhartha Patnaik
Department of Mechanical Engg.
Winner of Prof. Bhubaneswar Behera Gold Medal for Best All Rounder of outgoing B.Tech-2007 Batch

INSTITUTE SILVER MEDALS**1. UNDERGRADUATE COURSES (B.Tech.)**

Ceramic Engineering	: Pauljin Kochuppyloth
Chemical Engineering	: Jyoti Ranjan Swain
Civil Engineering	: Bijay kumar Behera
Computer Science & Engineering	: Mrunmoy Panigrahi
Electrical Engineering	: Debraj Roy
Electronics & Instrumentation Engineering	: Nilkesh Patra
Mechanical Engineering	: Abhisek Saran
Metallurgical & Materials Engineering	: Tushara Kanta Nath
Mining Engineering	: Vikram Sahu

2. POST GRADUATE COURSES**M.Tech.**

Chemical Engineering (Specialization: Coal Chemicals & Fertilizers)	: Subal Chandra Rana
Civil Engineering (Specialization: (i) Geotechnical Engineering (ii) Structural Engineering)	: Madhavi T : Narasingha Mahanta
Computer Science & Engineering (Specialization: Computer Science)	: Sairam Kulkarni
Electrical Engineering (Specialization: (i) Electronic Systems & Communication (ii) Power Control & Drives)	: Rahul Dev : Desireddy Pradeep kumar
Electronics & Communication Engineering (Specialization: (i) VLSI & Embedded System (ii) Telematics & Signal Processing)	: Durga Digdarsini : S Venkateswara Rao
Mechanical Engineering (Specialization: (i) Machine Design & Analysis (ii) Production Engineering (iii) Thermal Engineering)	: Krishna Swamy Cherukuri : Nilima Jena : Gadi Chanukya Reddy
Metallurgical & Materials Engineering (Specialization: Metallurgical & Materials Engineering)	: Anupama Sahu

M.C.A.

: Samrat Som

M.Sc.

Chemistry	: Amrita Jagadev
Mathematics	: P Saikrishna Chalthanya
Physics	: Meenakshi Behera

ENDOWMENT MEDALS AND AWARDS

Istam Medal

(Best Graduate of the Institute)

: Nilkesh Patra

Saurav Ranjan Kar Memorial Medal

(Best Graduate of the Institute)

: Nilkesh Patra

Sugat Kishore Mall Memorial Medal

(Best Graduate of Electrical Engg)

: Debraj Roy

Pranab Memorial Medal

(Best Graduate Mechanical Engg)

: Abhisek Saran

Metallurgical Engineering Association Medal

(Best Graduate of Metallurgical & Materials Engg.)

: Tusara Kanta Nath

Institution of Engineers (India) Medal

(Best Graduate of Mining Engineering)

: Vikram Sahu

Prof. Ashok Kumar Mohanty Medal

(Best All-rounder of Metallurgical & Materials Engineering)

: Bhuvnesh Garg

Institution of Engineers (India) Award

(Best Graduate of Mechanical Engineering)

: Abhisek Saran

AWARDS BY TCS

Best Student Award

: Mrunmoy Panigrahi

Best Software Project Award

: Supreet Parhi
Sumeet Priyadarshee Dash
Amartya Singh

CASH AWARDS

Institution of Engineering (India) Award

(Best Graduate of Chemical Engineering)

: Jyoti Ranjan Swain

Institution of Engineers (India) Award

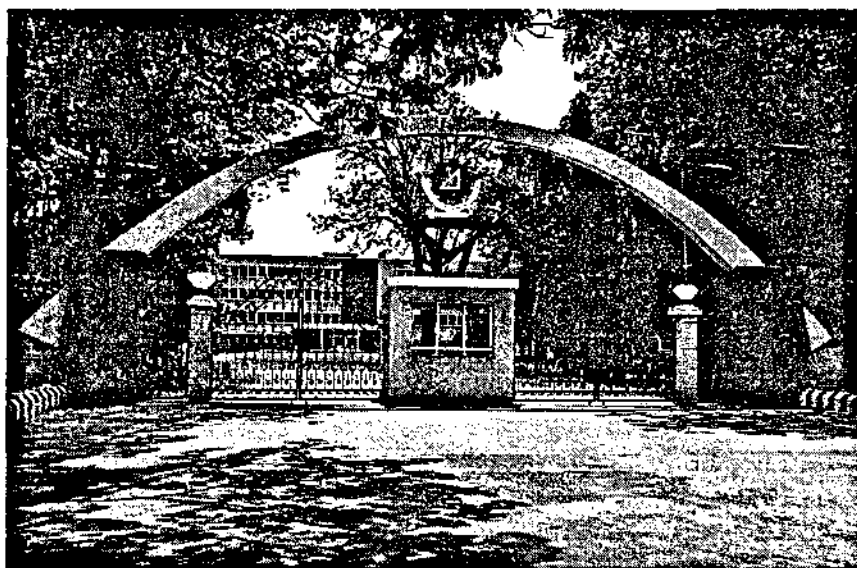
(Best Graduate of the Institute other than Chemical Engineering)

: Nilkesh Patra

Prof. Raja Raman Award

(Best Graduate of Computer Science & Engineering)

: Mrunmoy Panigrahi



About NIT Rourkela

Members of Board of Governors

- | | | |
|-----|---|-------------------|
| 1. | Shri Drona Rath , CMD, MECON Ltd, Ranchi | Chairman |
| 2. | Prof. S. K. Sarangi , Director, NIT Rourkela | Ex-officio Member |
| 3. | Mr. Ravi Mathur , IAS
Joint Secretary(Technical),
MHRD, Govt. of India, New Delhi. | Member |
| 4. | Shri. S.K. Ray
Joint Secy. & Financial Advisor
MHRD, Govt. of India, New Delhi | Member |
| 5. | Nominee of NIT Council | Member |
| 6. | Nominee of NIT Council | Member |
| 7. | Nominee of Government of Orissa | Member |
| 8. | Nominee of Government of Orissa | Member |
| 9. | Prof. U. K. Mohanty , Professor
Dept of Metallurgical & Materials Engineering
NIT Rourkela | Member |
| 10. | Prof. Sankarsan Rauta , Assistant Professor
Dept of Electrical Engineering,
NIT Rourkela | Member |
| 11. | Er. S. K. Upadhyay | Secretary |

Members of Senate

1.	Prof. S. K. Sarangi, Director	Chairman
2.	Prof. Gyanaranjan Satpathy, BM	Member
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40.	Prof. A. K. Panda, MM	Member
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56.	Er. S. K. Upadhyay	Member Secretary

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3	Shri Sadashiva Tripathy, Chief Minister, Govt. of Orissa	14-04-1965	07-03-1967
4	Dr. Haribandhu Mohanty, Technical Advisor to Govt. of Orissa	07-10-1967	06-10-1973
5	Shri K. T. Satarwala, Advisor to Governor of Orissa	07-10-1973	03-05-1974
6	Shri Kanhu Charan Lenka, Minister of Industries, Planning & Co-ordination, Govt. of Orissa	04-05-1974	16-02-1976
7	Shri Kanhu Charan Lenka, Minister of Industries, Govt. of Orissa	14-01-1977	30-04-1977
8	Shri Harish Chandra Buxipatra, Minister of Industries, Mining, Geology & Rural Department, Govt. of Orissa	06-07-1977	18-02-1980
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13	Shri S. B. Mishra, IAS, Secretary, Industries Department, Govt. of Orissa	17-11-1989	12-08-1990
14	Shri Dilip Ray, Minister of Industries, Govt. of Orissa	13-08-1990	03-05-1996
15	Shri Niranjana Patnaik, Minister of Industries, Govt. of Orissa	04-05-1996	22-07-1999
16	Dr. Giridhar Gomang, Chief Minister, Govt. of Orissa	23-07-1999	10-03-2000
17	Shri Kanak Vardhan Singh Deo, Minister of Industries, Govt. of Orissa	11-03-2000	25-06-2002

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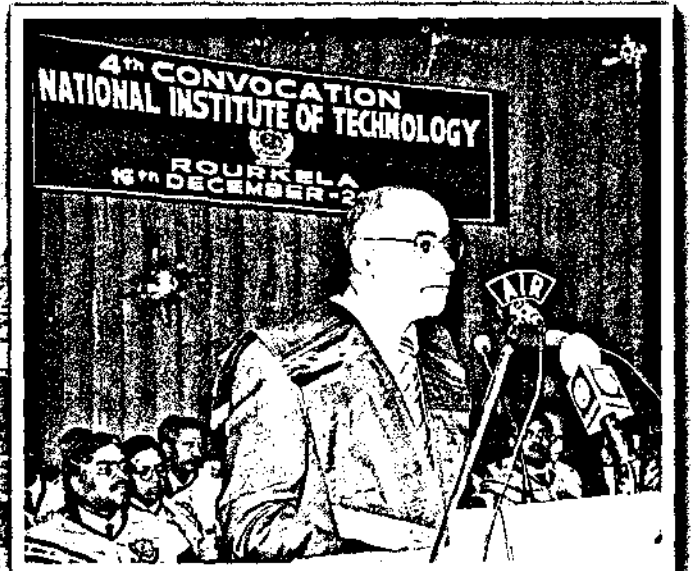
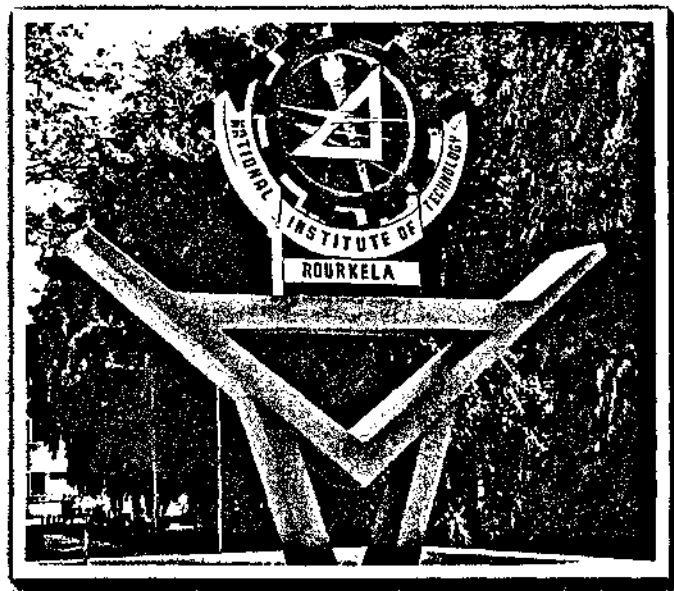
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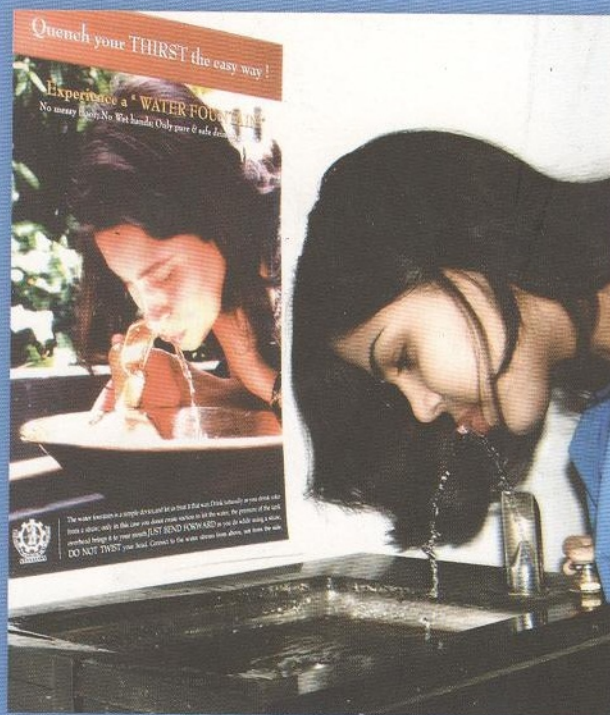
CONVOCATION 2003-2007

Convocation	Date	Chief Guest
Annual Convocation – I	April 12, 2004	Prof. R. Natarajan
Annual Convocation – II	December 11, 2004	Dr. Anil Kakodkar
Annual Convocation – III	January 28, 2006	Prof. Chandrasekhar Jha
Annual Convocation – IV	December 16, 2006	Mr. Subroto Bagchi
Annual Convocation – V	January 12, 2008	Dr. K. Radhakrishnan

Glimpses of 4th Convocation







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