

# Placement Brochure 2011-12





# NIT Rourkela

Since 1961, NIT Rourkela has worked towards becoming one of the most renowned technological institutions in the country. Since its birth, the institute has attracted many of the brightest minds in India. Located at the vibrant conjunction of Rourkela's industrial landscape and civilisation, NIT Rourkela has grown to be one of the most respected names in the field of technical education in the country, with recently bagging the "Outstanding Engineering Institute in Eastern India Award", instituted by STAR-NEWS Ltd. Today, the institution is recognized as an institute of national importance along with the IITs and IIMs by the NIT Act. The cumulative accomplishments of its highly talented and widespread alumni is in a large measure responsible for the ever growing tradition and reputation of NIT Rourkela as one of the best engineering and research institutions in the country.



## Vision

To become an internationally acclaimed institution of higher learning that would serve as a source of knowledge and experience for the society and be a preferred destination for undergraduate and graduate studies.

## Mission

To advance and spread knowledge in the area of science & technology, leading to creation of wealth and welfare of humanity.

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1

## AN INSTITUTE OF EXCELLENCE

The constant endeavour to achieve excellence in all fields is one of the prime virtues that sets apart this institute. Since its very foundation, the institute has set many benchmarks in the field of research and now, the pursuit for quality has become a never ending journey, and shall remain so in the years to come.

2

## SURVIVAL OF THE FITTEST

Of the 10 lakh students who take the All India Engineering Entrance Examination (AIEEE), only about 10,000 make it to NITs of which only about 500 make it to NIT Rourkela. This highly rigorous procedure ensures that only the best of the lot make it to this institute.

3

## A CULTURE WORTH PRESERVING

It goes with the saying that as long as there is a spirit within, there is a world waiting to be explored. It has been 50 years since the establishment of NIT Rourkela, and it is the spirit of this institute that has remained intact, which NITRians imbibe and carry forward wherever they go. The hallmark of this spirit has been not to walk on the path already taken but to establish new routes, to take the less trodden path and be the first to respond to the needs of the people and the nation.

4

## CHOICES IN CURRICULUM

NIT Rourkela offers a plethora of choices to its students in the field of engineering and sciences. The 16 departments offer a wide range of courses which are designed to meet the current requirements of the industry and the academia. The curriculum encourages students to apply theoretical learning to real-life scenarios in the form of case studies, research, events and live projects. The key principle behind all of the activities taken up by the students is aimed at their holistic development to build a better individual and a better personality as a whole and not merely a good engineer.

5

## AN INSTITUTION, NOT A COLLEGE

NIT Rourkela distinguishes itself not as a college of engineering but as an institution. This institute of national importance, unlike a college, is here to serve a larger purpose where getting a degree is not the primary focus. The idea of creating better technologists, better leaders and importantly better citizens suffuses through the teaching pedagogy of the curriculum.

6

## AWARDS & ACCOLADES

STAR-NEWS awarded NIT Rourkela with "Outstanding Engineering Institute of Eastern India Award". Moreover in a recent survey by Data Quest, NIT-Rourkela was ranked 12th overall and 8th for academics among a number of reputed technical institutes from all over India including the IITs.

## ACHIEVEMENTS



Think Odisha  
Leadership

Outstanding Engg.  
Institute



SAE India





# Message

On behalf of National Institute of Technology, Rourkela it is my pleasure to welcome you to this beautiful campus. This institute has been known for its hospitality for more than four decades, and we strive hard to keep up the tradition. In case we have inadvertently slipped somewhere, I offer my sincere apologies. Our academic programme is amongst the best in the country. It provides an optimum mix of theory and practical, with strong bias on industrial applications. In more recent years, introduction of modern computational tools and digital equipment have further improved the programme. While the depth of training in engineering subjects is unquestioned, the span of our curriculum is often overlooked. The NITR graduate learns subjects across departmental boundaries and excels in extracurricular activities. The mix of technology and management skills that a NITRian possesses makes him an invaluable asset to any organization he works for.

With seventeen departments awarding degrees in engineering, science and management, we are one of the most diversified institutions. Whether you are young or old as a company, whether your business is in coal mining or in data mining, whether the job you are offering is in the shop floor or in R&D, we have the right engineer and scientist for you. We give you freedom and extend to you all physical facilities to carry out your own recruitment process on our campus. In case you have a time constraints or other inconvenience, we shall only be too glad to meet your selection team in another city.

Whether you have regularly recruited our graduates and post graduates, or you are visiting us for the first time, I am sure you will find our students very competent and you will visit us again, year after year. We look forward to a warm and enduring relationship.

**Prof. Sunil K. Sarangi**  
Director, NIT Rourkela

# Message

On behalf of National Institute of Technology, Rourkela, it is my pleasure to invite you to our beautiful academic campus for conducting campus selection programmes for our students. It is my privilege to mention that this institute was established in 1961 and over the years it has earned recognition not only in India but all over the globe. The students of this institute are occupying enviable positions in various organisations at home and abroad. Many of them have been the driving force behind the industrial landscape of our nation. Our Institute enjoys the status of Institute of National Importance. Our institute has been modernized by two foreign collaborative funding agencies, viz, Indo-UK-REC Project for the Materials theme in the Metallurgical and Materials Engineering Department and the World Bank-cum-Swiss Development corporation IMPACT project in the Computer Science and Electronics Departments. Presently a massive developmental work has been completed under the World Bank funded Government of India's TEQIP scheme for all the Departments.

The Institute has earned fame not only for its excellent academic and extracurricular activities but also for its research, consultancy and development activities. Further the National Board of Accreditation constituted by the All India Council for Technical Education has been pleased to grant accreditation to all our academic courses on the basis of thorough review of performance of the Institute in field of Academic Administration. With this brief background I am furnishing in the pages to follow all pertinent information about us. I would request you to kindly visit our campus for selecting candidates of your choice on any date convenient to both of us. Expecting our interaction to grow over the years to come.



**Prof. B.B. Biswal**

Professor & Head, Training & Placement Centre



# Infrastructure

Spread across a mammoth 650 acres carpeted by a lush green cover, the campus of NITR is situated right at the conjugation of the hills of Rourkela. The campus is characterized by aesthetically pleasing buildings which have inspired generations of students to strive for excellence. The new extension of campus, following the High Court order, will be adding another 400 acres to the already huge campus.

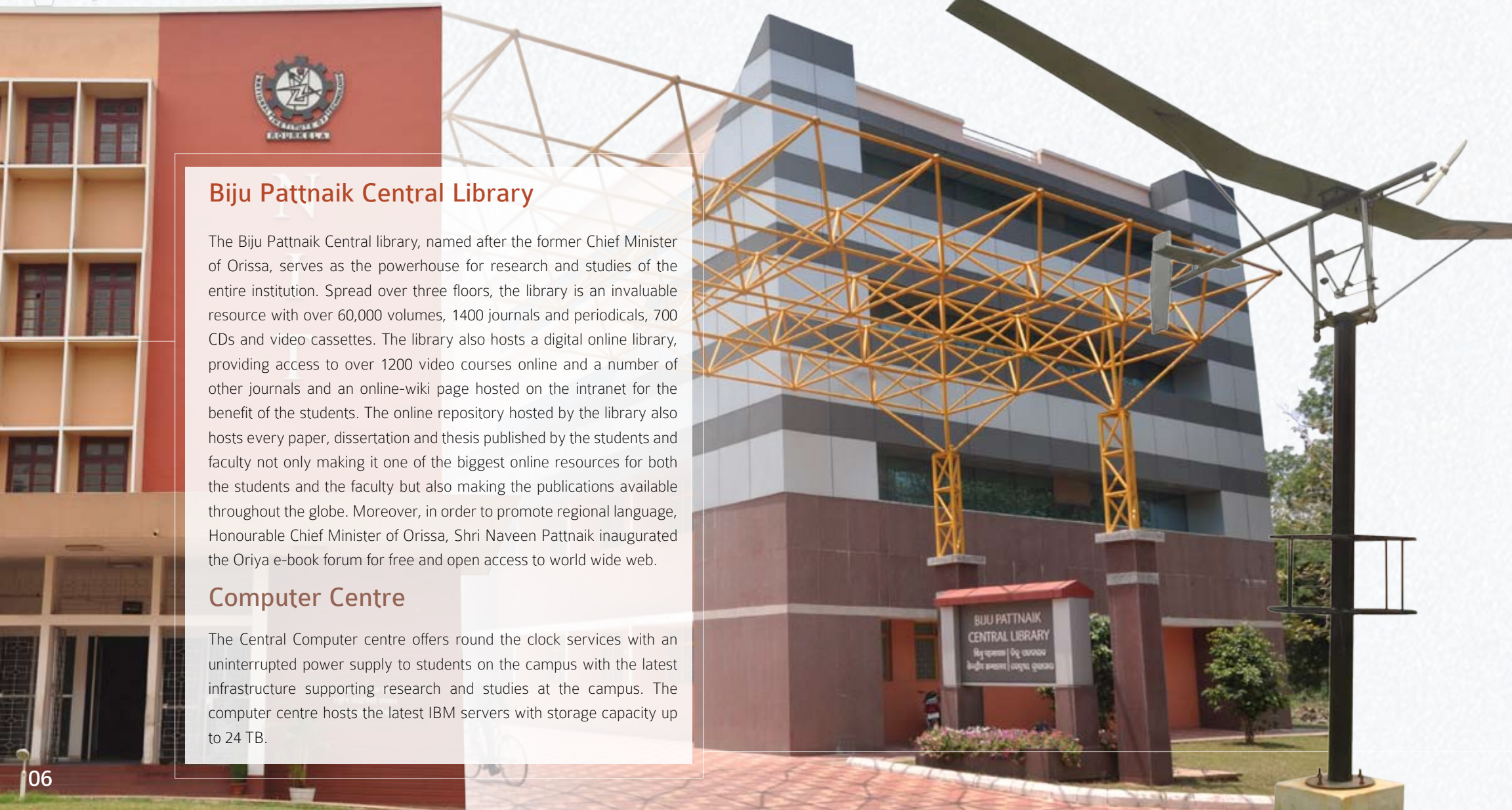
The campus is a mini township in itself with all the modern amenities. There are nine halls of residence, seven for boys and two for the girls with an overall accommodation capacity of over 3000 boarders. The entire campus is connected by a state-of-the-art network with almost 4000 nodes. Every student and faculty member has a networked personal computer at his/her disposal. With an internet bandwidth of 32Mbps, NIT Rourkela hosts one of the most advanced computer networks in the country.

## Biju Pattnaik Central Library

The Biju Pattnaik Central library, named after the former Chief Minister of Orissa, serves as the powerhouse for research and studies of the entire institution. Spread over three floors, the library is an invaluable resource with over 60,000 volumes, 1400 journals and periodicals, 700 CDs and video cassettes. The library also hosts a digital online library, providing access to over 1200 video courses online and a number of other journals and an online-wiki page hosted on the intranet for the benefit of the students. The online repository hosted by the library also hosts every paper, dissertation and thesis published by the students and faculty not only making it one of the biggest online resources for both the students and the faculty but also making the publications available throughout the globe. Moreover, in order to promote regional language, Honourable Chief Minister of Orissa, Shri Naveen Pattnaik inaugurated the Oriya e-book forum for free and open access to world wide web.

## Computer Centre

The Central Computer centre offers round the clock services with an uninterrupted power supply to students on the campus with the latest infrastructure supporting research and studies at the campus. The computer centre hosts the latest IBM servers with storage capacity up to 24 TB.







## Sports Facilities

All work and no play make Jack a dull boy indeed. At NITR, games and sports receive equal attention relative to any other academic activity. The sport activities of the institute is regulated under a separate body dedicated to games and sports which hosts different sports throughout the year like cricket ,football, basketball, volley-ball, Lawn tennis , Table Tennis, Badminton, Kabaddi and other indoor games. There are separate squads for the above games that represent the institute at Inter-NIT Sporting events.



## Auditorium, Lecture Halls & Conference Rooms

The campus hosts a newly renovated centralised air conditioned auditorium with a seating capacity of over 1000. The campus also has a newly constructed Lecture Gallery with a seating capacity of over 300 and 12 other conference rooms, all of which are adequately equipped with uninterrupted power supply, air conditioners and LCD projectors. Facilities, round the clock are available to conduct tests online.

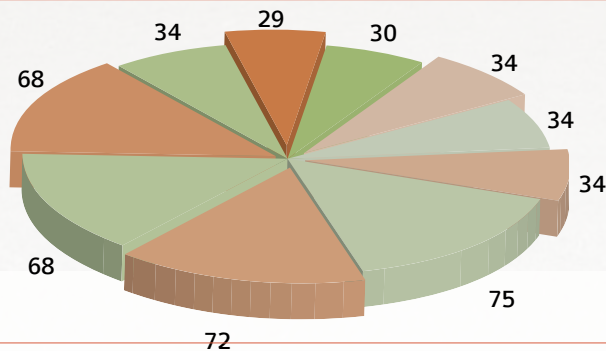




# Department Demographics

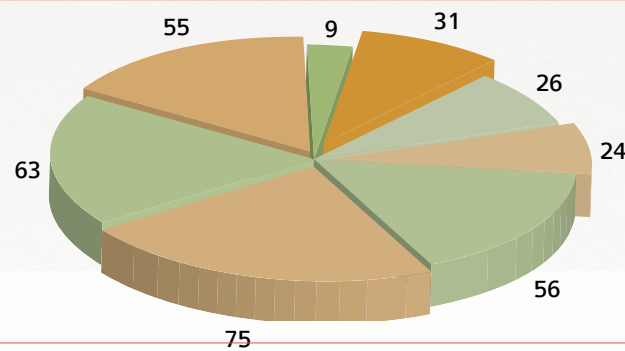
## B.Tech

- Biotechnology and Medical Engineering
- Civil Engineering
- Chemical Engineering
- Ceramic Engineering
- Computer Science and Engineering
- Electrical Engineering
- Electronics Engineering
- Mechanical Engineering
- Metallurgical and Materials Engineering
- Mining Engineering



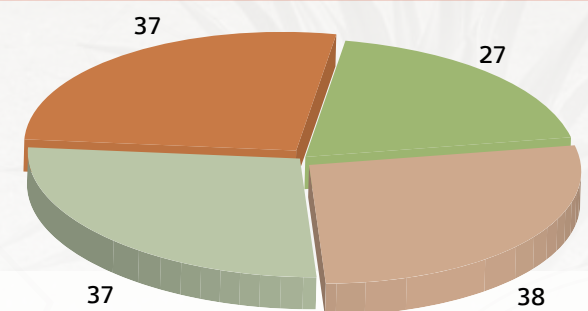
## M.Tech

- Biotechnology and Medical Engineering
- Civil Engineering
- Chemical Engineering
- Computer Science and Engineering
- Electrical Engineering
- Electronics Engineering
- Mechanical Engineering
- Metallurgical and Materials Engineering



## M.Sc

- Mathematics
- Physics
- Chemistry
- Life Science





## Courses Offered

B.Tech	M.Tech
Biotechnology Engineering Biomedical Engineering	Biotechnology Engineering Biomedical Engineering
30	31



## Facilities

The Department has robust infrastructure and sophisticated laboratories to carry out research works. The Department is proud to have a synergy created by varied ensemble of faculty consisting of engineers and MBBS Doctors. The Department is also equipped with a DBT sponsored Bioinformatics Centre.

## Research and Projects

The Department is first among all the NITs to run projects on Stem cell characterization, Nano Biotechnology, Controlled drug delivery system, Surface modification of metals for Biomedical purposes, Neurodegenerative Diseases, Protein Stability confirmation, Tissue engineering, Cancer Biology and Environmental Biotechnology. It has procured a project from Ministry of Environment and Forest, Govt. of India and functions in collaboration with Bucharest University, Romania & VSS Medical College, Burla.







## Courses Offered

## B.Tech

Civil Engineering

34

## M.Tech

GIS and Remote sensing  
Water Resources Engineering  
Structural Engineering  
Transportation Engineering

26



## Facilities

The Department, besides having a well qualified faculty has enriched laboratories keeping in mind the contemporary developments. Various laboratories, managed by respected professors and trained technicians, are well equipped with modern sophisticated instruments to take up the new challenges in research. The faculty also renders technical service on engineering problems to various agencies/ industries in the form of consultancy projects.

## Research and Projects

Many live problems from industry are referred to the department for a solution. Proposals are going on to get distinguished persons in the industry as adjunct faculty. Faculty members often take up their research problems related to the need of the industry.



## Courses Offered

B.Tech	M.Tech
Chemical Engineering 34	Chemical Engineering 24



## Facilities

The Chemical Engineering programme at NIT Rourkela, with its interdisciplinary flavours along with its diversified structure is dedicated to the aspiring students and mentor them for the broad spectrum of Chemical Engineering careers. Keeping in view the current and future requirements of the academia and industry, the faculty offer a wide spectrum of courses supplemented by a number of electives in emerging areas at both the undergraduate and postgraduate level.

## Research and Projects

The Department has a good infrastructure and research facility with many sophisticated instruments and software packages for analysis of engineering problems. A number of research papers published by the faculty and the students make it to some of the highly reputed journals every year. The Department has at its appraisal a number of R&D and consultancy projects funded by various government as well as non-government organizations.







## Courses Offered

B.Tech		M.Tech	
Computer Science and Engineering	75	Computer Science and Engineeringg	56



## Facilities

The Department boasts of possessing highly experienced and renowned professors. Sophisticated laboratories on database engineering, parallel algorithms, artificial intelligence, soft computing, software engineering, computer networks & image processing provide a sound base for research activities.

## Research and Projects

Multiple research papers are published every year along with some of the R&D projects currently undertaken by the department are being sponsored by high-profile organizations like Indian Space Research Organization (ISRO), University Grant Commission (UGC), Department of Science and Technology (DST), Department of Information Technology (DIT), MHRD, DRDO etc. The Department has active collaboration with various leading MNCs like Microsoft, Sun Microsystems, Accenture, TCS, IBM etc.



## Courses Offered

B.Tech	M.Tech
Ceramic Engineering 34	Ceramic Engineering 07



## Facilities

The state-of-the-art laboratory facility and active research granted the Department as Centre- of-Excellence (CoE) for Nano Materials. The strength of the Department is the Young, dynamic, well qualified and motivated faculty members, of the department. The low student to staff ratio allow us to have more personalized and interactive teaching and training schedule.

## Research and Projects

Numerous numbers of projects had been granted by MHRD & are sponsored by institutions & government departments like DST (Department of Science & Technology), BARC, RCDIS, SAIL, DAE (Department of Atomic Agency) and CGCRI. Also, the department has collaborated with TATA Refractories Limited for research and technical consultancy.







Courses Offered	
B.Tech	M.Tech
Electronics and Communication Engineering. <span>68</span> Electronics and Instrumentation Engineering	Telemetric and signal Processing <span>63</span> VLSI Design and Embedded System Instrumentation



## Facilities

The Department is well equipped with a variety of laboratories, catering to the research needs of its students. These facilities include availability of state of the art, equipment procured from various countries around the globe as well as a variety of software used for complex calculations and simulations.

## Research and Projects

The department's industry-institute relations are further strengthened by the various consultancy projects handled for the varied requirements of the industries by our esteemed faculties. The various organisations with whom we maintain collaboration includes DRDO, DST, British Council and the like. Apart from this a huge array of lectures, seminars, conferences and workshops are conducted by the Department which help in enhancing and installing new and innovative ideas in the young minds.



## Courses Offered

B.Tech		M.Tech	
Electrical Engineering	72	Electronics System and Communication Power Control and Drives Control and Automation	75



## Facilities

The laboratory works are supervised by technically sound instructors. The Department has recently procured a 10KW Solar PV module with power storage capability and it has been installed in the centre for excellence in Industrial electronics and robotics with the help of MNRE, Govt. of India, to promote research in Renewable Energy.

## Research and Projects

The Department actively invites industrial experts from many nearby industries such as Rourkela Steel Plant (RSP), OCL and L&T to strengthen its research work. Numerous sponsored projects are being pursued by the newly setup centre for excellence in Industrial electronics and robotics. The Department has also developed a prototype model for wind power generation and control using DC machines, to enhance research capabilities in cutting edge sustainable technology.







## Courses Offered

## B.Tech

Mechanical Engineering

68

## M.Tech

Production Engineering  
Thermal Engineering  
Machine Design

55



## Facilities

The Department of Mechanical Engineering shelters the Centre for Cryogenics and Industrial Refrigeration which is one of its kind in India. Apart from this, it possesses the finest workshops and other laboratory facilities that include Machine Design and Production Engineering to promote researches in the frontier areas of Mechanical Engineering.

## Research and Projects

The current areas of research in the Department include advanced robotics, Industrial refrigeration & cryogenics, computational fluid dynamics and innovations in materials. Research projects have been sponsored by scientific and research arms of the Govt. of India viz. MHRD, DAE, BARC, DRDO & DST. The department has acquired consultation projects from companies like Lechler India Pvt. Ltd., HBL Power systems Ltd., etc. The department has close scientific & technical relationships with industrial majors like SAIL, OCL, L&T, TATA Steel, TATA Refractories Limited, BOCL, NALCO, etc.



## Courses Offered

B.Tech		M.Tech	
Metallurgical and Materials Engineering	34	Metallurgical and Materials Engineering	09



## Facilities

The Department is equipped with sophisticated instruments in the process metallurgy, physical metallurgy and advanced materials laboratories to carry out researches. A number of other high quality machineries have been added on to the Department's extensive infrastructure.

## Research and Projects

The Department has been carrying out causal research and innovatory technological development in core areas of material sciences. The Department is actively pursuing research by inviting a number of industries; the likes of Rourkela Steel Plant (RSP), Tata Steel, Dalmia Research Institution and Orissa Cement Limited. Faculty members and students often publish high impact factor articles in various journals of international repute.







### Courses Offered

B.Tech		M.Tech	
Mining Engineering	34	Mining Engineering	01



### Facilities

The Department houses laboratories on rock mechanics and ground control, geo-mechanics, mine surveying, mining geology, mine environment and safety engineering, mineral processing and mining machinery with many modern and state of the art machinery.

### Research and Projects

The Department has been carrying out research and innovatory technological development. With its diversified research interest, a number of sponsored projects are undertaken every year from CSIR, DST and MHRD to strengthen its research work. The Department is actively pursuing research inviting industry experts from Singareni Collieries Ltd., South Eastern Coal Fields Ltd., Ferro-alloys Corporation, etc. The Department also provides consultancy services to Jindal Power Ltd., Jindal Steel and Power Ltd., NALCO, Shapoorji Pallonji and Co. Ltd, Mahanadi Coal Fields Ltd., etc.



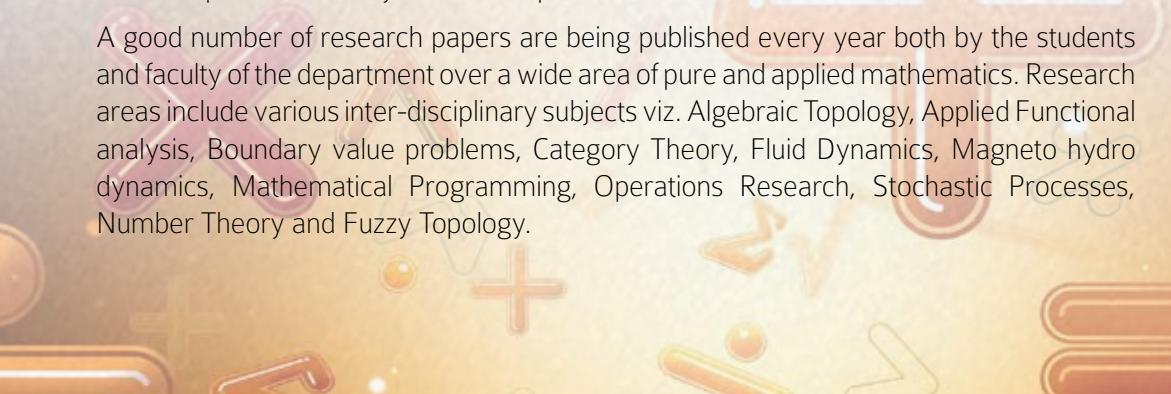
The Department of Physics is the second P.G. centre in the State of Orissa. Since its commencement from 1961 the department has grown into a centre of excellence in the state. The Department offers physics courses in the under-graduate engineering and post-graduate programme leading to M.Sc. with special papers in X - Rays, electronics x-rays and Condensed matter physics. Experienced faculty along with well-equipped laboratories have provided students a suitable ambience for grooming their minds into becoming brilliant professionals in the field of pure sciences. Research work is carried out mainly in the fields of X-rays, Scattering and small angle macromolecular structure determination, Theoretical Particle Physics, Condensed Matter Physics and Environmental Science.



## Department of Mathematics

The Department of Mathematics is one of the leading departments of the institute. From 1965, the department has been offering 2 years post-graduate M.Sc. course which contains both core and applied part of mathematics. The department also possesses its own computer laboratory for the computational works of its students.

A good number of research papers are being published every year both by the students and faculty of the department over a wide area of pure and applied mathematics. Research areas include various inter-disciplinary subjects viz. Algebraic Topology, Applied Functional analysis, Boundary value problems, Category Theory, Fluid Dynamics, Magneto hydro dynamics, Mathematical Programming, Operations Research, Stochastic Processes, Number Theory and Fuzzy Topology.



The Department of Chemistry came into existence in 1962 and since then been catering not only to the progress of the institute but also in the progress of science & technology as a whole. The Department offers M.Sc. course with specialisation in Inorganic/Environmental Chemistry and Doctoral Research programmes leading to Ph.D. degree.

The Department's highly qualified faculty as well as its talented students carry out research activities on a number of topics viz. Studies on the formation of complexes of transition metals and rare earths in solution and determination of stability constants, Synthesis of Transition metal complexes and Characterisation by Physical Measurements, Environmental Pollution Control, etc.





The Department of Life Science was established in 2009 with a new dimension of human development. Today, the department runs M.Sc. in Life Science and Ph.D. with around 85 students in all.

### Strengths

The Department is among the few institutes of national importance offering courses in Life Science at postgraduate level in the country. It has got robust infrastructure consisting of large sophisticated laboratories with well-equipped instruments to carry out research work.

### Research and Development

The Department is first among all the NITs to run projects on understanding bio-film formation quorum sensing during bioremediation. It recently got a DBT sponsored project. Other research areas being covered are cancer biology, epigenetic, Lipid as a signalling molecule, biochemistry tissue engineering, marine biotechnology, aquatic biotechnology, ecology, biodiversity, biomedical engineering. The department has the privilege to have its papers published in reputed journals.

### Collaboration and tie ups

The Department has collaboration with Indian Association of Cancer Research and American Association of Cancer Research. International Conference held at National Institute of Technology, Rourkela on "Frontiers in Biological Sciences" (InCoFIBS- 2010), 2010 was organized by the department of Life Science.



The Department of Humanities and Social Sciences has been functioning as a full-fledged Department since the inception of the institute catering to both undergraduate and post graduate students. The Master of Arts (M.A.) Programme in Development Studies is a 2-year interdisciplinary course, with theoretical as well as practical thrust, which provides students with a holistic understanding of socio-economic discourses of the contemporary world along with enhanced personal and employability skills.

### Research and Projects

Some of the key research areas include Economic Growth and Development, International Finance, Health Economics, Econometrics, Organizational Learning, HRM, Theory of Mind, Service Quality Evaluation, English Language Teaching, Linguistics, Indian English Literature, Natural Resource Management, Tribal and Rural Development, and Agrarian Studies. Ph.D. programme in the four disciplines mentioned above is a strong component of the department's teaching and research activities.

### Facilities

A state-of-the-art Multimedia Digital Language Laboratory with Computer Assisted Language Learning (CALL) facilities has been set up in the Department to develop the English language proficiency of students and to meet the growing market demand of a smart and articulate workforce. The Lab is also utilised as a Statistical Lab for the post-graduate and research students.



The school of management at NIT Rourkela commenced its first batch in the year 2010-11. Its objective is to develop managerial innovation and leadership talent of the participants and to build a system driven approach on management techniques and prepare students for business challenges.

The school offers two years post-graduate program in Business Administration (MBA) and subsequent research activities. The department focuses on value based teaching, learning environment, action-oriented research, and consulting industries by developing strong academic-industry interface. In addition to professional expertise, the department gives more emphasis on training students for collaboration and teamwork through the development of human relations skills.

### Areas of Specialization

- Marketing
- Finance
- Human Resource
- Operations
- Systems & IT

### Seminars Conducted Recently

- HR skills of new managers by C.K.Poddar, ED, Nilachal Ispat Nigam, BBSR.
- Internal Controls over Financial reporting: Relevance to Indian software industry by Dr. P. Mohapatra, Assistant Professor, Maryland University.
- Soft Operational Research and its Application" by Prof. Arabinda Tripathy, DEAN, VGSOM, IIT Kharagpur.







## Students & Campus life

Life at NITR goes way beyond the rudimentary concepts taught in classrooms and laboratories. The institute offers excellent opportunities to the students to participate in recreational and creative activities through its Students' Activity Centre (SAC), which intends to serve as the nerve centre of all student activities in the campus. It aims to foster a well-balanced development of its members through excellence in extra-curricular activities along with their academic achievements. A number of satellite clubs carry out activities in affiliation with the SAC, the major activities being the Annual Technical and Cultural festivals. These flagship events attract participants from all over the country.

O-NSA or Organization for Inter-NIT Student Activities represents the team-work of all the 20 NITs towards the growth of cultural, technical, sports and other organs. It is involved in the overall organization of the Inter-NIT competitions, thus spreading the idea of cooperation and mutual harmony.



## CONFLUENCE

The annual techno-management festival of NIT Rourkela, Confluence is a summit of the theoretical and practical aspects of engineering with an exposure on the latest trends and innovations. Attracting participants from all over the country, it hosts workshops, guest lectures conducted by the best in the industry and academia, robotics events, paper presentations, and various other events, all aimed at testing the technical acumen of the students.



## NITRUTSAV

The Spring or Cultural Festival of the institute, NITRUTSAV has been a perennial feature of the city of Rourkela poised in its own unique way between the pedestals of industry and civilization. It's a celebration of the human spirit, thoughts and ideas. The thousands of people that are drawn in by some of the biggest celebrities and crowd pullers make NITRutsav one of the biggest cultural events in the eastern region. Celebrities invited include singers Preetam and his Metro Band, Kailash Kher, Kunal Ganjawala, Pakistani band Jal, Indo-fusion band Euphoria and a number of other Rock bands such as Pentagonam.

## INTERNATIONAL STUDENT MEET

For the first time, NIT Rourkela hosted an event of international acclaim in which students from various countries around the world participated in a three day interactive program. The student meet was aimed at providing a platform for the students to develop inter personal relation with students on a global basis. The event played host to a number a number technical, cultural and sporting events that attracted huge participation from many foreign countries. The gala event was sponsored by UNESCO.



## CLUBS@NITR

### Udaan

Udaan, the aero modelling and robotics club, is formed and managed wholly by the students. It conducts numerous workshops, takes up projects, and carries out activities in aero modelling, robotics and other related areas. The primary emphasis of the club is to take learning beyond classrooms and to provide a platform and a learning ground for everybody interested in the wonders of flying.



## Cyborg

The Club for Automation and Robotic Control (Cyborg) is an independent entity to serve the interest of students of the institute in the field of automation design and robotic control. Over the years, Cyborg has evolved from conducting workshops, to contrive as well as participate in a myriad of robotics contests on the national and international levels.

## IEEE Student Chapter

IEEE (Institute of Electrical and Electronics Engineers, Inc.) is the world's leading professional association for the advancement of technology. With a membership base of over 170 students spread across first year to final year, the club is amongst the biggest IEEE student chapters in the eastern India. It has conducted a number of workshops on diverse fields like VLSI, GSM Technology, MATLAB software and FLASH animation among others. The chapter intends to put up a strong presence at technical festivals across India by imparting relevant know-how to its members.

## Society of Automotive Engineering (SAE)

The SAE collegiate club at NIT Rourkela, a student branch of SAE International, is the first of its kind in Orissa promising to combine research, development, design, manufacture and utilization of vehicles which operate on land, water, air and space. The annual activities of the club include conducting guest lectures by eminent personalities, workshops, paper presentations, designing competitions and organizing industrial visits for students to various reputed automobile companies.

## Entrepreneurship Cell

E-CELL (Entrepreneurship Cell) of NIT Rourkela is the only e-cell working in the state in order to promote entrepreneurship in the region and also to provide incubation and funding through a venture capitalist to nurture budding ideas. In its quest, the club organizes workshops, awareness camps, etc. apart from its flagship event 'Arthayan'. E-cell also publishes its quarterly newsletter EDGE focusing on the entrepreneurial issues concerned with the student community at large.

## Mathematics Club

A small group of math-enthusiasts in NIT Rourkela, forming the Mathematics Club, under the tutelage of the Mathematics Department bring out a bi-annual magazine called Vilokanam. It is a unique attempt to unravel the treasure trove that the subject has to offer. With columns on number funda, inevitability of maths in daily life, important constants, puzzles and comic strips to boggle the brain, the four page gazette has till now been an immense hit with the student population.

## Industry Sponsored Clubs

The Microsoft Club and the Sun Club, established by Microsoft India and SUN Microsystems respectively are unique initiatives to build better industry-student interface. The activities taken up by these clubs allow the members to work on the problems and solutions handled by the professionals in both these companies. The idea is not only to make the students a part of the processes carried out, but also nurture the talents and provide better exposure with the current problems and nature of work handled by these organizations.

## Rotaract, Leo and Aasra

The Rotaract and Leo clubs are immediate extrapolations of the parent organizations, Rotary and Lions Club International respectively, with a noble vision of universal service. Aiming to bring the fresh breed of students face to face with basic problems that people face all over the country, these clubs work with a number of NGOs helping them out on fund-raising issues, in working effectively and in promoting the idea of humanitarian relief.

AASRA is a social service club of NIT Rourkela, run autonomously by the students. An absolutely non-profit organization with the sole objective of spreading smiles in the faces of poor children, AASRA has constantly been pushing frontiers, setting greater targets, and achieving newer horizons. The group members comprising freshmen to final year students visit underprivileged social communities like orphanages, leprosy colonies and special care homes and carry out various humanitarian works such as imparting cleanliness exercises, teaching school curriculum, providing basic amenities, inculcating self-respect and self confidence in them by conducting various competitions etc.



## CII Young Indians

YI(in association with the Confederation of Indian Industries, CII) is a group comprising aspiring young Indian entrepreneurs, businessmen and professionals who unite under one roof with the objective of creating a better future for the Indian youth and also aiming to bridge the gap between the different sections of society. Some of the unique movements launched by Yi Net across the country are fundraising events for developmental projects, rural education, AIDS awareness camps, etc.

## Bureaucats

This club of NITR is engaged in personality development to prepare students in various real life projects & reputed competitions like KVPY. The club boasts of a tie-up with techpedia.in, an initiative by IIM-A.

## Hobby Clubs

Apart from the various technical and the social welfare clubs, a large number of clubs catering to the hobbies and interests of NITRians also work under the patronage of SAC. PIXELS Club, run by a group of artistic individuals, is wholly dedicated to photography. For all the dancers and stage performers, there is scope too. SYNERGY, the dance club and PANTOMINE, the drama Club are a few audacious attempts in this direction. INQUIZZITIVE for inquisitive minds is a heaven for the quizzers.

## Monday Morning

Published every Monday, Monday Morning is the official institute weekly e-newsletter which brings in the latest news, views and happenings from around the campus. The newsletter also provides a platform for interaction between the administration and the students, with regular interviews of Director, Deans and even the student representatives. It moreover helps the alumni stay in touch with the latest happenings at their alma mater.

# Monday Morning

## D361

Published biannually, Degree 361 is the student magazine established and managed wholly by the student community of NIT Rourkela. It provides a perfect breeding ground for students to not just exhibit their literary talents but also to speak out on a variety of issues. The magazine invites stalwarts from various positions to contribute write-ups on a plethora of topics. Contributors include the popular TOI columnist Jug Suraiya and resident editor of The Economic Times, T.K. Arun.





# Placement Committee

The Training and Placement Department of National Institute of Technology, Rourkela, headed by a senior faculty member, manages placement activities and keeps liaison with various industrial groups and research organisations. The department works in close co-ordination with a student placement committee comprising students chosen from various departments. It consists of sixteen members of which eleven representatives from B.Tech, three from M.Tech and one each from M.Sc. and MBA.

## Pre-Placement Talks

It's a tradition here that the recruiting organizations visiting the institute carry out pre-placement talks which are presentations organized by the company itself before the students. These talks allow students to learn more about the companies. Audio-Visual rooms and auditoriums are well equipped for the PPT with proper arrangement of microphone and sound system. The students can also learn about the opportunities for growth, advancement and learning that your company offers. In addition to this the students can also have a first-hand impression of the company before taking an informed decision to apply for placement. The PPT can take place on any mutually convenient day. If the company wishes to display some promotional material, then the final form of the material can be sent to the Training & Placement office which will arrange for its display.

## Hospitality

NIT Rourkela is well known for its hospitality for more than four decades and we strive hard to maintain the tradition. Transportation arrangement, air-conditioned suits with high speed internet facilities are provided in the Institute guest house for the recruiters. Proper arrangement for touring the institute can also be arranged when asked by the recruiters.

## Internships/Training

Projects/internships are an integral part of the academic curriculum at NIT Rourkela. Over the years, many students have taken up projects on various areas of engineering with different organizations. This provides the students involved a basic understanding of the company's operations. It also creates awareness about your company's profile among students and the faculty.







# Student COORDINATORS

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## M.Sc

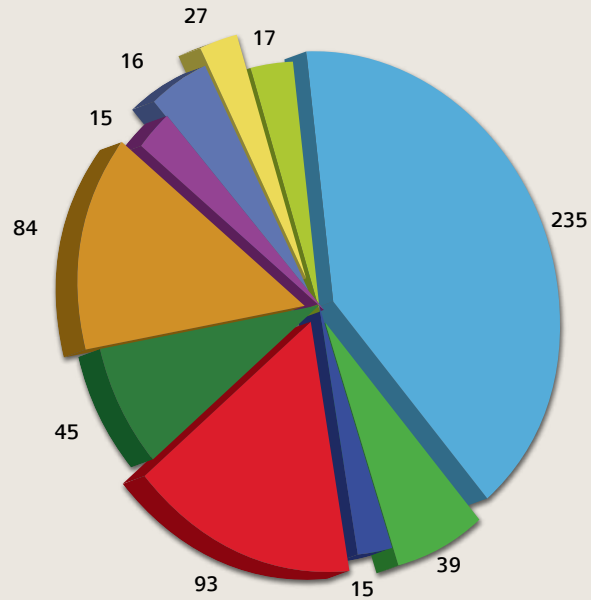
Akash	7873457139	akash.tiwary82@gmail.com
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## MBA

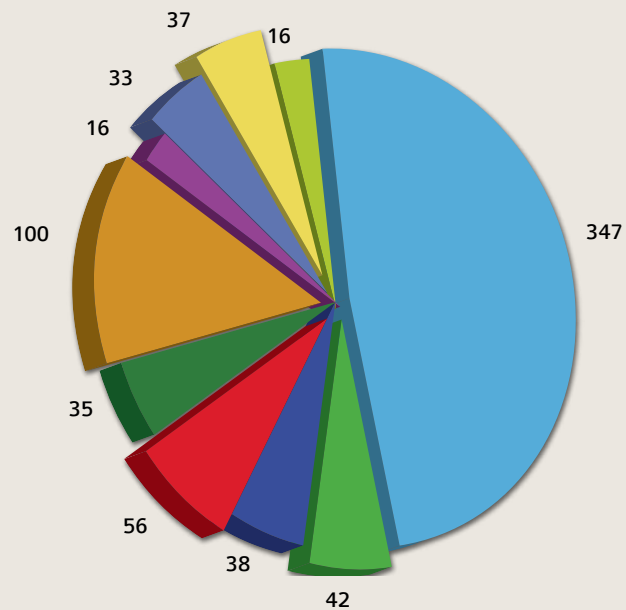
Amita Khuntia	9437188388	amita.khuntia@gmail.com
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# Placement Statistics of Previous Years

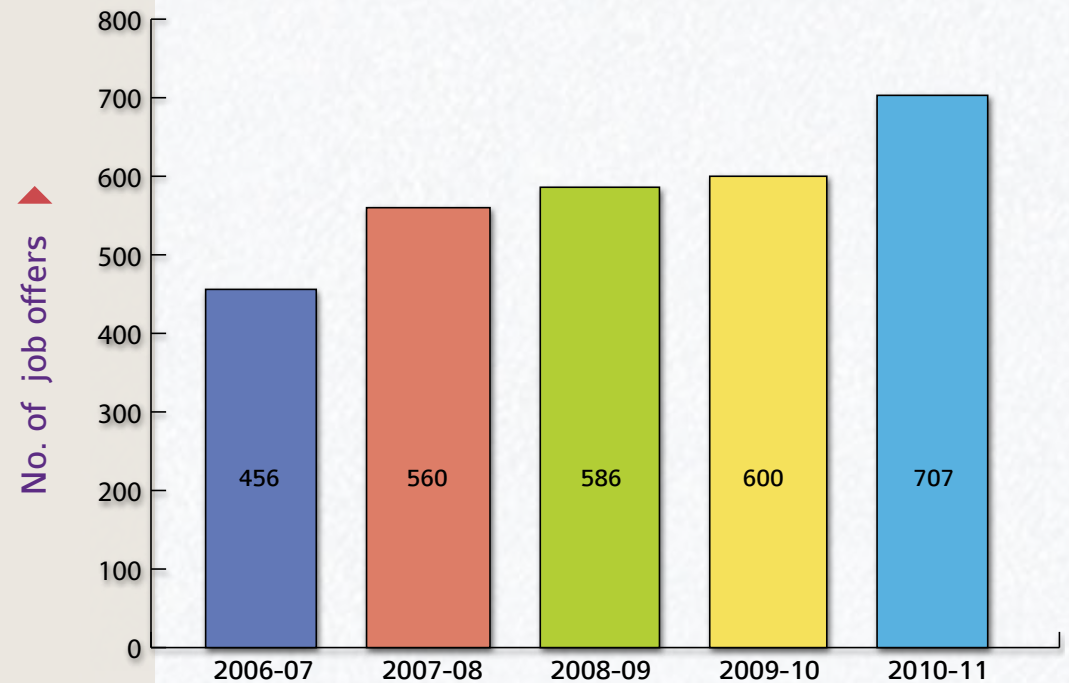


2009-10



2010-11

- IT/ITES
- Energy/Power Distribution
- Automotive
- Core Engineering/Construction/Scientific Research
- Consumer Electronics/General Consultancy
- Metals/Steel Production
- Oil Refinery/Extraction
- Mining Engineering
- Telecommunication/Communication Networks
- Banking/Others





# Our Esteemed Recruiters





# How to Reach Rourkela



Rourkela is located in the northwestern tip of the Indian state of Orissa at the heart of a rich mineral belt. It is surrounded by a range of hills and encircled by rivers. One of the largest steel plants of the Steel Authority of India Limited is situated here. It also has one of the National Institutes of Technology of the country. The name "Rourkela" means "Our Village" derived from Rour which means "our" and kela means "village" in the local language Sadri spoken by the Raulia tribe living there.

## Accommodation

Apart from the various star hotels located in the city, NIT Rourkela has a couple of guest houses within the campus with state-of-the-art facilities for a comfortable stay.

## Travel



**Air-** Though the city of Rourkela does not have any airport, but it is extremely well connected to the cities of Kolkata, Bhubaneswar and Ranchi which have functional domestic and International Airports for flights to all corners of the country on a daily basis.



**Rail-** It is situated on the Kolkata-Mumbai South Eastern railway line which is a major route connecting the two metros of India. Rourkela is directly connected to Ahmedabad ([www.orissa-ahm.org](http://www.orissa-ahm.org)), Bangalore, Bhubaneswar, Chennai, Cuttack, Delhi, Bilaspur, Mumbai, Nagpur, Pune, Puri, Patna, Kolkata, Raipur, Ranchi, Sambalpur, Vishakhapatnam and many more cities of India. And a Garib Rath Express is plying between Ranchi and Bhubaneswar via Rourkela.



**Road-** Rourkela is connected to various towns of the state by State Highway 10 and National Highway 23. National Highway 23 connects it to the nearby city of Ranchi which is the capital of Jharkhand state. Interstate buses ply between Rourkela, Ranchi, Bhubaneswar, Jamshedpur. Several buses ply between the major cities and towns of the state.











## NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA



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.

Please mail your queries to

### **HOD (T&P)**

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