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Azadi Ka  
Amrit Mahotsav

G20  
भारत 2023 INDIA  
वसुधैव कुटुम्बकम्  
ONE EARTH • ONE FAMILY • ONE FUTURE

# XX Convocation

4 February 2023

२०वां वार्षिक दीक्षांत  
समारोह



राष्ट्रीय प्रौद्योगिकी संस्थान, राउरकेला  
National Institute of Technology, Rourkela



# GLIMPSES OF THE 19TH ANNUAL CONVOCATION





**NATIONAL INSTITUTE OF TECHNOLOGY  
ROURKELA**

**XX  
CONVOCATION**

**4 February 2023**

*Chief Guest*

**Smt. Soma Mondal**

Chairman, Steel Authority of India Limited

*Guest of Honour*

**Shri O. P. Singh**

Chairman-cum-Managing Director, MCL

**Prof. K. Umamaheshwar Rao**

Director, NIT Rourkela

&

Chairperson, Board of Governors





# NIT ROURKELA



**XX CONVOCATION****4 February 2023 (Saturday)****Programme / कार्यक्रम**

- 10.00 a.m. : Invocation starts  
 10.02 a.m. : Academic Procession enters the Convocation Venue  
 10.06 a.m. : Convocation declared open by Chairman, BOG  
 10.07 a.m. : Welcome address and presentation of report by Director  
 10.22 a.m. : Launch of DigiLocker-based Digital Degrees by Chief Guest  
 10.25 a.m. : Conferment of PhD Degrees  
 10.50 a.m. : Presentation of Medals  
 11.10 a.m. : Conferment of Distinguished Alumnus Award - 2022  
 11.20 a.m. : Address by Guest of Honour  
 11.35 a.m. : Convocation address by Chief Guest  
 12.00 p.m. : Conferment of other Academic Degrees  
 01.30 p.m. : Pledge by Degree recipients  
 01.32 p.m. : Convocation declared closed by Chairman, BOG  
 01.33 p.m. : National Anthem

- प्रातः १०.०० : आवाहन  
 प्रातः १०.०२ : शैक्षिक शोभायात्रा का दीक्षांत स्थल में प्रवेश  
 प्रातः १०.०६ : अध्यक्ष, शासक-मंडल द्वारा दीक्षांत समारोह के शुभारंभ की घोषणा  
 प्रातः १०.०७ : निदेशक द्वारा स्वागत अभिभाषण और प्रतिवेदन प्रस्तुती  
 प्रातः १०.२२ : मुख्य अतिथि द्वारा डिजिलॉकर आधारित डिजिटल उपधियों का विमोचन  
 प्रातः १०.२४ : पीएचडी उपाधि प्रदत्तीकरण  
 प्रातः १०.४० : पदक प्रदानीकरण  
 प्रातः ११.१० : विशिष्ट पूर्व विद्यार्थी पुरस्कार-२०२२ प्रदत्तीकरण  
 प्रातः ११.२० : विशिष्ट अतिथि द्वारा अभिभाषण  
 प्रातः ११.३५ : मुख्य अतिथि द्वारा दीक्षांत अभिभाषण  
 अपराह्न १२.०० : अन्य अकादमिक उपाधि प्रदत्तीकरण  
 अपराह्न ०१.३० : उपाधि प्राप्तकर्ताओं द्वारा प्रतिज्ञा  
 अपराह्न ०१.३२ : अध्यक्ष, शासक-मंडल द्वारा दीक्षांत समारोह के समापन की घोषणा  
 अपराह्न ०१.३३ : राष्ट्रगान

**THE XX CONVOCATION ENDS****Venue: NCC Ground, NIT Rourkela**



सोमा मंडल

अध्यक्ष

SOMA MONDAL

Chairman

स्टील अथोरिटी ऑफ इण्डिया लिमिटेड  
STEEL AUTHORITY OF INDIA LIMITED**MESSAGE**

It gives me immense pleasure to wish the Board of Governors, Director, all teaching & non-teaching staff on the occasion of the 20<sup>th</sup> Convocation of NIT, Rourkela.

The occasion is a celebration of successful contribution of all stakeholders to the glory of this great institution and the culmination of another stage of academic pursuit by the students.

This institute of more than six decades has created magnificent physical facilities and a rich legacy of academic excellence. It has been cradle to host of eminent alumni in diverse fields. I am sure the legacy will grow to enviable heights in the future.

I am forever grateful to my alma mater, NIT Rourkela (erstwhile Regional Engineering College) for my professional journey.

I wish all the students who are being conferred with the degrees and exhort them to live their dream towards a better tomorrow.

(Soma Mondal)

स्टील अथोरिटी ऑफ इण्डिया लिमिटेड, इस्पात भवन, लोदी रोड, नई दिल्ली 110 003, दूरभाष : (011) 2436 7282, 2436 8094, फैक्स : (011) 24365051 , ई-मेल : chairman.sail@sail.in  
Steel Authority of India Limited, Ispat Bhawan, Lodi Road, New Delhi-110 003, Phone : (011) 2436 7282, 2436 8094, Fax : (011) 2436 5051, E-mail: chairman.sail@sail.in

हर किसी की जिन्दगी से जुड़ा हुआ है सेल

There's a little bit of SAIL in everybody's life







*Address by*  
**Shri O. P. Singh**  
**Chairman-cum-Managing Director, MCL**

Prof. K Umamaheshwar Rao, Chairman, BoG and Director NIT Rourkela; Mrs Soma Mondal, Chairman, SAIL and Chief Guest of the Convocation function, Members of the Board, Senators, Faculty and Staff members of NIT Rourkela, Distinguished alumni, Graduating students, proud parents and invited guests. It's an absolute honor to be here today, particularly when this Institute has completed its 60 years of existence.

You all are in jubilant mood and rightly you must celebrate today's achievement which has come after your four gruelling years. Many of you would be sad that this life at NIT Rourkela has come to an end and some of you would be moving out of the sheltered confines of this institution to a journey full of challenging assignments, unknown and new paths, but you are an Engineer and you have been given the knowledge to navigate the path ahead. The process of transition will pose some challenges but I am sure that with the value system and training you have acquired in this institution you will face the world with confidence. From the country's point of view, we welcome bright Engineers and Managers and Leaders. Ambition without Idealism is dangerous. I would urge all of you to blend Ambition and Idealism in right proportions.

I have been an Engineer, Manager all my life and coming from an Engineering Background, I could see myself in you and I can also feel the apprehensions, excitements that you are going through in this phase of your life. I am leading a company with 22,000+ permanent workforce, the highest Coal producing company, many first in terms of implementation of new technologies and a growing and expanding company like mine, I keep on facing new challenges but one thing I am always sure of is that there is solutions to each and every problem. As an Engineer you must keep on learning and acquiring the required knowhow so that you grow as an Engineer and Human being. Mahandi Coalfields Ltd., is the first coal company to introduce environment-friendly Surface Mining Technology in 1999. In order to meet the increased demand of coal production, the surface miner was introduced in Lakhanpur Opencast project of MCL. Traditionally, mining is carried out by drilling and blasting. However, during drilling and blasting a lot of unwanted material are also generated, which can be avoided by using a surface miner. Similarly, drilling and blasting is not permitted near important and sensitive structures such as bridges and reservoirs etc. The Surface Miner is one of the very good options in such situations. The biggest fleet of 66 Surface Miners in MCL is now contributing substantially to the total coal production of the company. It may be noted that MCL had a record coal production of 168.17 million tonnes and coal dispatch of 176.37 million tonnes from its mines during 2021-22, despite the challenges posed by the Covid-19 pandemic.

Many NITians of Rourkela have contributed to the growth story of MCL and many are working with me and some of you may join MCL and occupy the place where I am today in near future.

Let me tell you, as a part of our Corporate Social responsibility, MCL has undertaken proactive roles in promoting gender equality, empowering women, setting up homes and hostels for women and orphans; setting up old age homes, day care centers and such other facilities for senior citizens, providing education and livelihood enhancement projects, and rural development projects including provision of safe drinking water, and measures for reducing inequalities faced by socially economically backward groups. You would be pleased to know that MCL is considering a proposal for construction of Girls Hostel at NIT Rourkela. In the past, MCL has funded Rs.2.61 Crores for accelerating the start up ecosystem at NIT Rourkela Incubation centre FTBI. The grant domain includes setting up Manufacturing Workspace in the form of a Maker's Lab/ IoT Lab which consists of state of art infrastructure related to technological innovation. Startup's are given seed grants to optimise their entrepreneurial venture through MCL funding. FTBI has set up one world class Lounge cum innovation exhibition space from the grant. Every year FTBI organizes Innovation Carnival funded by MCL to tap the institutional, organisational and social innovation and their promotion in mainstream sector.

You have been trained & groomed to be a successful Engineer. To navigate the path of Engineering Life, some of the skills/knowledge, which I think necessary are:-

- 1) **Up to date technical knowledge:** Technical knowledge and skills are the main skillset recruiters are looking for. It's important to have the right educational background to set yourself on the right path
- 2) **Communication:** Although the bare bones of engineering often happen individually at a desk or computer, these projects always start and end with human discussion. It's vital to be able to communicate and listen in order to ensure that the work/project is a success and any issues can be resolved quickly.
- 3) **Leadership:** Industry want to know that you aren't just there for a free ride. That when the going gets tough you are able to step up. Companies want to hire people who want to be there and want to work their way up and add value to their organisation, leadership is a key quality in the modern world of engineering.
- 4) **Interpersonal Skills:** Similarly to the above skills, the ability to bring people together and influence, is of the utmost importance for the modern engineer. Collaboration and teamwork is a key part of many projects and the ability to build rapport in a team can guarantee the success or failure of many projects.
- 5) **Analytical Ability:** Using the knowledge you've acquired throughout education and should have the core understanding needed to see the wood from the trees. Being precise allows you to realise where the value is in a piece of work and evaluate which points are crucial.



- 6) **Creativity& Innovation:** Thinking creatively should be a key focus for any engineer. Having the ability to see ideas in a different way, or coming up with innovative solutions to challenging problems, is a hugely desirable skill. Engineers with imagination, foresight and "out of the box" thinking are best suited to take on some of the most in-demand roles within the industry. There will always be a demand to keep making things better, faster or stronger. Having the desire to innovate and solve problems should be a key skill that engineers strive for.
- 7) **Enthusiasm:** If you want to work as an engineer, show how much you want it. Having the desire to get up and go is crucial. Showing enthusiasm is a great skill that will help accelerate you in your career.
- 8) **Micro Planning:** Being an engineer, accuracy and precision are both vital attributes. In this industry, mistakes can be costly as even the smallest miscalculation can have profound effects. Failure to pay attention to the small stuff can result in huge consequences when it comes to incurring costs or even health and safety.
- 9) **Ability to recover quickly from difficulties:** The nature of an engineer means that you can be asked to perform beyond working hours which can be tough. Even in jobs where you don't find yourself on call they can be equally as demanding in other ways. It's important to demonstrate that you won't fall at the first hurdle and can keep going throughout tough times and can recover quickly from difficulties.

In this era of globalization, the competition to achieve success is huge. Do not be in a hurry, do not make hasty decisions, pause a bit when solution is not in sight, collect the required data/information, go to the sketch board, thoroughly plan your activity, work hard with passion and I am sure you will achieve success.

In conclusion, I shall say, whatever profession you choose, do it with passion and do what you love. This phase of transition from being free as individuals to becoming a responsible citizen serving the interest of masses is very critical. From the academic confinements of your Institute, you are now exposed to the professional world to face new challenges, and you have the potential to do that. You must realize your potential, because only you know what you can achieve in life. No one else knows it better than you. You are now the band ambassadors of your Institute. Go out there and explore the world and I am sure you will come out with flying colours. Make yourself proud with your achievements, make your parents and your institute be proud of you. Make your country proud.



**Shri O. P. Singh**

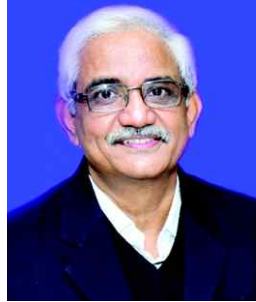






राष्ट्रीय प्रौद्योगिकी संस्थान, राउरकेला  
National Institute of Technology  
Rourkela - 769 008

**Prof. K. Umamaheshwar Rao**  
Director



प्रो: के. उमामहेश्वर राव  
निदेशक

**MESSAGE**

I am extremely delighted that XX Convocation of NIT Rourkela is being organised live for a full-strength of graduating students' of 2022 after almost two very unusual and difficult academic years due to covid pandemic. You belong to a special batch which was constrained to on-line classes for a substantial period of your program. I know it has been quite challenging in many ways. However, these unexpected circumstances gave you and all of us a new experience, direction and opportunity to build strength and resilience. Through these difficult times you have learned to counter difficult situations and equip yourself with new skills of new technologies and innovations.

As you are all aware, NIT Rourkela has just completed 60 years of a glorious journey, With maturity, experience, quality manpower and state-of-the art infrastructure, you have been well trained through your august Institute to contribute immensely to the society and to your country in the best possible way in the field of your respective expertise for the benefit of the mankind. We are looking forward to your growth and achievements, making all of us and your Institute proud.

This is the occasion of a phase transformation from a student to a NIT Rourkela alumnus. I congratulate all the graduating students' of 2022 batch and your parents and I also wish you success in the next steps of your career, whether it is in your first job, as an independent entrepreneur or higher studies.

I welcome all the parents of the graduating students, faculty and NITR community to join us in the XX Convocation of the Institute.

**K. Umamaheshwar Rao**



# **Director's Report**

## **on**

## **20<sup>th</sup> Annual Convocation**

विद्या ददाति विनयं, विनयाद् याति पात्रताम्।  
पात्रत्वाद् धनमाप्नोति, धनाद् धर्मं ततः सुखम्।।

**Vidya Dadaati Vinayam, Vinayad Yaati Patratam,  
Patratwad Dhanamaapnoti, Dhanad Dharmam Tatah Sukham.**

*Honourable Smt. Soma Mondal, Chairman, Steel Authority of India Limited, honourable Shri Om Prakash Singh, Chairman-cum-Managing Director, Mahanadi Coalfields Limited, accompanying Dignitaries, Members of Board of Governors, Members of the Senate, Deans, Heads of the Departments, Centres and TSUs, Faculty Colleagues and Staff of NIT Rourkela, Distinguished Guests, Recipients of Degrees and Awards, Guests, Alumni, Students, Nominees and Representatives of Electronic and Print Media, Ladies and Gentlemen:*

In this year of commemoration of G20 presidency throughout our wonderful country, I welcome you all to this auspicious occasion of 20th Annual Convocation of NIT Rourkela, where we genuinely believe in and act as "Vasudhaiva Kutumbakam". On behalf of the institute and myself, I feel extremely honoured and privileged to extend my heartiest welcome to each of you present physically and online to this 20th Annual Convocation of the institute.

We are honoured today to have with us, the Honourable Chairman, Steel Authority of India Limited, Mrs. Soma Mondal as our Chief Guest, who is an alumnus of the institute and a living inspiration to all our students. I am extremely happy to welcome honourable Chairman-cum-Managing Director, Mahanadi Coalfields Limited, Shri Om Prakash Singh, as our Guest of Honour, whose constant support in encouraging environment-friendly research and entrepreneurship through sponsorship at FTBI, has helped in successful completion of many projects and supported emerging entrepreneurs. On behalf of NIT Rourkela and myself, it is an immense pleasure to extend my heartiest welcome to both of you.

I feel very proud to announce that 767 B. Tech., 17 B.Arch., 41 Dual Degree (B.Tech. and M.Tech.), 41 integrated MSc. (5 years), 151 M.Sc., 23 MA, 26 MBA, 525 M.Tech. 2 M.Tech (By research) and 124 Ph.D. students will receive NIT Rourkela's eminent degree today. I extend my heartiest congratulations to all the degree recipients.

Ladies and gentlemen, in 1961, the Institute (then called the Regional Engineering College Rourkela) started with only three undergraduate programmes in the disciplines of Mechanical, Electrical and Civil Engineering. Over the years, it gradually evolved and I am proud to say that today NIT Rourkela offers B.Tech. Degrees in 14 disciplines across 12 departments, M.Tech. Degrees in 30 specializations in 13 departments, M.Tech. Dual Degree programmes in 4 specializations across 4 departments,



Integrated Master of Science programmes in Chemistry, Physics, Mathematics, and Life Science, Master of Science programmes in Chemistry, Physics, Mathematics, Life Science, Applied Geology, and Atmospheric Sciences, and Master of Arts in Development Studies offered by the Department of Humanities and Social Sciences, Bachelor of Architecture by the Department of Planning and Architecture, and MBA degree with specialization in Finance, Marketing and Human Resources by the School of Management. This year, we initiated work to reform our graduate and undergraduate courses in line with the current demands of the NEP 2020, and for enabling students for a successful career in industry as well as in academia. NIT Rourkela is the nurturer of the thousands of young and impressionable aspiring technical minds, which makes us the pride of Odisha and one of the best technical institutions in India. Our commitment towards the continued dedicated service towards the nation and humanity has propagated and is reflected through the contributions of our alumni in nation building and also at the international levels, making the ethos of G20 "Vasudhaiva Kutumbakam", a reality and way of life.

### **Vision and Mission:**

The 20<sup>th</sup> Convocation ceremony provides yet another opportune moment for reflecting upon our accomplishments, events and activities that happened during the past year. We are continually moving forward with our vision "To become an internationally acclaimed institution of higher learning that will serve as a source of knowledge and expertise for the society and be a preferred destination for undergraduate and graduate studies" and our mission of enabling our students and the society for sustainable creation of wealth and welfare of the humanity, through the highest dissemination of science and knowledge. The vision and mission have been supported by the well-articulated guiding principles with the affirmative actions towards mentoring faculty, staff and student population, challenging academic standards, a simple structure to obtain a transparent and decentralized administration. In addition, NIT Rourkela faculty and staff members have been actively participating and supporting the great initiatives of Start-up India, Make in India and Waste to Wealth, thus making a huge difference in and around NIT Rourkela and making an impact at national and international level.

### **Achievements:**

#### **Ranking:**

I feel immense pride to inform you that this calendar year, our institute has retained its position as one of the best universities nationally and internationally. QS Asia University Rankings, 2023 have placed NIT Rourkela in the list among 281-290 top universities, and according to the World University Rankings 2023 by subject, NIT Rourkela has been ranked between 801-1000. In NIRF ranking 2022, NIT Rourkela retained 15th position in Engineering category, 24th in Research category and 39th position in the overall category. National Board of Accreditation (NBA) has approved 10 undergraduate and 17 PG programs, in the present cycle. NIT Rourkela joined the National Academic Depository (NAD) in 2019 and is a part of the "Study in India" program. The institute currently has 359 international students from 21 different countries of Asia, Africa, Europe and North America continents.

### Highlights of research recognition:

As per NIRF 2022 records, NIT Rourkela has one of the highest research scores (Research Professional practices and collaborative performance) among all NITs. We have a 59.44 RPC score in the Engineering category, while in the overall category, we have an RPC score of 49.09.

I am happy to inform that NIT Rourkela stands 1st place (242089 citations) among NITs and 22nd place in India based on the Citations published in July 2022 edition of Transparent Ranking: Top Universities by Citations in Top Google Scholar profiles by the CSIC Intramural the largest public research body in Spain.

I am also glad to inform that NIT Rourkela's research visibility is appreciable with respect to scholarly output i.e. 14522 publications with 133 h-index as per the Scopus database and 7522 publications with 114 h-index as per Web of Science database which is top among all NITs.

### CSAB 2022

In 2022, NIT Rourkela got the opportunity of organising CSAB 2022. Total registrations obtained through JoSAA were 214067 and through CSAB Special were 35819. One hundred and fourteen institutes participated in this counselling session with 23 IITs, 31 NITs, 1 IIST, 26 IIITs, 3 SPAs and 30 GFTIs. Total number of programmes offered were 290, wherein NIT Rourkela offered 23. Across 17 departments. Total 1097 plus 1 seat allotments was achieved for our institute, where a supernumerary seat was allocated in CS dept to break the tie in ranks. Female to male ratio achieved during the session was 1:3.62, where we obtained 22 % female students. Percentage of female students varied from 45% to 19% across the departments with highest percentage in Bachelor of Architecture. Total 38 PwD students comprising 8 female and 30 male students have been admitted in the institute. I am extremely rejoiced to tell you that three hundred and fourteen JEE Advanced Rankers have chosen NIT Rourkela and no seats in NITs have gone unallocated. We have students from all states and UTs except Goa, Himachal, Karnataka, Mizoram, Nagaland, Sikkim, Andaman & Nicobar, Dadra & Nagar Haveli and Daman & Diu, Ladakh, Lakshadweep. So overall, I am happy to say, it was a very successful admission session and I would like to congratulate the entire CSAB team for this wonderful achievement.

### Institute Counselling Services (ICS)

"Mental health has intrinsic and instrumental value, helping us to connect, function, cope and thrive" as emphasized by World Health Organization. In NIT Rourkela, we give paramount importance to the students' emotional, social, personal, and perpetual well-being. Institute Counselling Services (ICS) is a technical service unit of NIT Rourkela that looks after the psychological well-being of the NITR fraternity. ICS is being currently headed by Prof. Pawan Kumar, and includes a faculty team, student coordinators, prefects, mentors, hall representatives and technical team. The visiting psychiatrist and counsellors have taken care of the needs of around more than 200 patients. Online counselling services have also been provided to NIT residents to a good extent, which saw more than 1600 counselling sessions based on topics related to career, relationships, family, psychological disorders and much more. ICS has also conducted the outreach events such as Paathashaala, a branch-oriented talk series for sophomores, LEAD sessions for internships, Orientation sessions for 1st year UG students, foreign

students and 1st year PhD students. ICS through its student team exclusively takes care of 1st year UG students through mentoring process. Also, hall representatives are assigned to all hostels to take care of any issues as such. Mental Health week is also organised by the centre which comprised of events, activities, stage shows and webinars to increase awareness among the NIT Rourkela community. In recognition and the appreciation of the remarkable efforts and achievements of the personnel, the institute has established the Faculty Advisor Appreciation Award, Best Teacher Award, the Lifetime Accomplishment Award, and the Best Non-academic Staff Award.

### **FIT Bharat**

Fit Bharat initiative also targets to increase physical, mental and social health. Under the Mission with the target to increase awareness about adoption of good habits, lifestyle changes for the everlasting health and fitness, the "RUN NIT Rourkela marathon" was held on the 14th August, 2022, with a good number of participation of students, staff and faculty.

### **Unnat Bharat Abhiyan (UBA)**

NIT, Rourkela was inducted as a Participating Institute of UBA in May 2018. The Institute became the Regional Coordinating Institute (RCI), UBA2.0 on 06/03/2019 along with PI. NIT, Rourkela has conducted various development activities under Unnat Bharat Abhiyan in five adopted villages - Jhirpani, Jamshera, Mitkundri, Kansar (Munda Tola) and Dalposh with focus on health, education, environment, basic amenities and skill development for generating opportunities of employment for the rural masses. During past academic year, UBA, NIT Rourkela was involved in the promotion of organic farming in these areas, and awareness campaign for vaccination for COVID-19. As, RCI, UBA also conducted a virtual programme on "Understanding Various Modes of Tribal Development Protecting their Indigenous Culture from External Influence" for all PIs of Odisha in coordination with National Coordinating Institute (NCI) IIT, Delhi.

### **Swachha Bharat Mission**

Swachhata Campaign 2.0 is a drive for **behavior change programme** that champions the principles of sustainable development while emphasizing Reuse, Reduce and Recycle. As mentioned by our Hon'ble Prime Minister, "We have to remember that cleanliness is not a task just for a day, a fortnight, a year or for just a few people. Cleanliness is a great campaign for everyone, every day, every fortnight, every year, generation after generation. Cleanliness is a lifestyle, cleanliness is a life mantra".

NIT Rourkela is committed to the call of Swachhata Campaign 2.0 and is working towards developing an eco-friendly behaviour of the NITR residents of hostels and residential area as well as the associated communities. Our institute strongly believes in the 3Rs (Reduce, Reuse, and Recycle), and the plan of action for its implementation on campus has been divided into the key categories of Water, Energy, e-waste, Solid waste management, Recycling of plastic, Clean and green campus, Naga pond beautification and Rehabilitation drive of stray dogs on campus, which are being implemented this year and in the following years.



## ANKCTEL

The A. N. Khosla Centre for Technology-Enabled Learning (ANKCTEL) has been a step to use the potential of information and communication technology (ICT) in the Teaching Learning (T-L) process of technical education, as a part of the National Mission on Education through ICT (NMEICT) by MHRD, Govt. of India. The Centre aims to enhance the quality of technical education by adopting technology-based learning by the faculty members and the students of NITR and to cope up with the challenges posed globally. The center has been instrumental in preparing e-content by recording the classroom lectures of faculty members, which has proven as a big asset in the time of the pandemic. All the e-content created till now, including recordings by faculty members on various subjects and conferences, Seminars and short term courses (STC) for outreach activities have been uploaded on our Institute website for the reference of the students, research scholars and faculty members. Active learning processes, flipped classrooms, MOOCS, Blended MOOCS and techniques such as think-pair-share are intricate parts of this initiative.

## Biju Patnaik Central Library (BPCL)

The Biju Patnaik Central Library (BPCL), functional since 1965, has always been a pioneer in technical documentation and information management. The BPCL house-keeping operations are now fully automated with state-of-the-art tools that facilitate self-check-in/check-out and automatic security system. The RFID based automation system counts approx. 35 thousand (issue, return and renewal). The BPCL presently has access to over 86000+ books, 12,000+ e-books, 18,000+ back volumes of periodicals, 35 Full Text, e-books and other Database which provide access to more than eight thousand online journals including archive collections. The Institutional Repository has 3691 publications by faculty, research scholars and students. E-Thesis@NITR (e-Prints) - a repository has 7511 theses & dissertations archived by research scholars and students. The BPCL also has a rich collection of IS codes, educational video courses, lectures and audio-visual materials. As part of Institutional Social Responsibility, BPCL has digitized 835 rare Odia books to preserve the cultural heritage for future generations.

BPCL of NIT Rourkela has received best e-resources usage awards from various publishers from time to time, and the staff of the library are also actively engaged in research activities in the field of library and information science.

## Central Research Facility

Various high-end instruments procured during different sponsored projects to provide state of the art facility and conduct high-quality R&D, are centrally available to all faculty members and students for conducting their research projects. A total of INR 10.5 crores was invested to improve the research facilities. Some of these machines include Ultrasonic shot pin machine, Continuous cold plasma for food processing, PCB fabrication unit, electric safety analyzer, gel documentation system, Mindray R-12 ECG machine, and Impedance analyzer, among others.

## Extension Center

Construction is underway at the extension center in a prime location of Bhubaneswar, where the one-acre property was received by the Institute from the Government of Odisha. This extension Center,

when ready, will be used for R&D consultancy, and technical discussions for the promotion of business ventures. It will be utilized for the increased opportunities for the placement of students and for faculty development through courses offered in both contact and distance modes.

### **FTBI**

Foundation for Technology and Business Incubation (FTBI), housed at the Dr. A. P.J. Abdul Kalam Centre for innovation, has been recognized as a technology business incubator under the joint initiative of DST, MeitY, Startup India, Startup Odisha, CSR Initiative of Mahanadi Coalfields Limited, and PSUs. GAIL has supported the incubation center with a capital grant to procure multiple machines to be utilized by our start-ups. FTBI NIT Rourkela hosts about 48 incubated companies working in electronics, IT/ITeS, fashion technology and agri-tech businesses. Six are women-led and some led by entrepreneurs from Scheduled Caste and Scheduled Tribe communities. Some of the recent achievements during the recent academic year are as follows:

- In the NIDHI EIR Booklet released during the DST Startup Utsav at Delhi, on 12th Aug 2022, two of FTBI EIR are selected and are featured in this booklet.
- Department for Promotion of Industry and Internal Trade selected Foundation for Technology & Business Incubation, selected FTBI for the Start-up India Seed Fund Scheme for financial assistance to early-stage start-ups.

Several incubated start-ups have got recognition and awards recently. Few of these are as follows:

- Koel Fresh Pvt. Ltd. became the Implementation partner of the Basel Agency for Sustainable Energy (BASE) and Swiss Federal Laboratories for Materials Science and Technology (Empa) for the project Your Virtual Cold-Chain Assistant (YVCCA) in India.
- Clavictor Academy Pvt. Ltd became an Achiever of Monthly Allowance Grant (MAG) from Startup Odisha, MSME, Govt. of Odisha on 1st December 2022. It also got the Shakti Awards on 20th October 2022 as the Innovative Women-Led Ed-Tech Startup by the Chief Minister of Odisha.
- Coratia Technologies Pvt. Ltd was awarded as one of the TOP100 startups in the UK-India Tech Startup Programme. It was also the winner of the NXP Tech Startup Challenge 2022 organized by the Ministry of Commerce and Industry, GOI and the winner of Chunnauti 2.0 (Next Gen. Technology Challenge), by the Ministry of IT & Electronics, GOI

### **Departments and Centers**

Our departments and centers have world-class facilities and faculties. High-quality human resources are the key components of the success of all institutions. We have 8088 young vibrant minds and 358 faculties in our institution, with a student-to-faculty ratio of 23:1. Cumulatively, our faculties have several patents and total publications of 14522 publications as per the Scopus database and 7522 according to Web of Science database. Currently, there are 50 running sponsored projects with a total budget of Rs 14,32,45,564, across all departments with sponsoring agencies including SERB, DST ISRO, BIRAC. Our faculties have received many accolades, and awards and are nationally and internationally recognized. Two of our Faculty members are recipients of Prestigious SIRE

fellowships and one of our faculty members received fellowship of prestigious scientific communities such as the National Academy of Agricultural Sciences. MoUs have been signed or renewed between our institute and many companies, PSUs, universities, and research institutions. Our faculty members are editorial board members and guest editors of several high-impact factor journals. We believe in promoting not only students but also faculties and staff and other members for their accomplishments, which are often shared through print as well as online media. Overall, we have a very vibrant community who are striving to achieve excellence daily and have contributed in maintaining the top position of NIT Rourkela among so many institutes through their advanced teaching methods, informative conferences, workshops and outreach activities.

The Department of **Biotechnology and Medical Engineering** consists of 21 faculty members, who are working on more than 20 widely variant projects which are focussed on various aspects for the improvement of cooling systems for nuclear plants to the improvement of medically relevant devices. In past year, they have applied for several patents and conducted 1 Karyashala, 3 conferences, and several other outreach activities.

Department of **Ceramic Engineering** with 14 faculties successfully published 34 research paper in journal of high repute, five conference publication and five book chapter in the previous year. Two patents were granted, and one patent was filed in the past year. Seven no. of sponsored project funded by DST Nanomission, SERB-IMPRINT, BRNS, CSIR, SERB-Core research grant running in the department with financial outlay of INR 400 lakh along with three new sponsored projects with financial outlay of INR 50 lakh have been received by the department in last year. The department conducted one month long International Training Programme on Ceramics for the scientists of Bangladesh Council of Scientific and Industrial Research (BCSIR), Bangladesh, 25th May - 23rd June 2022, in NIT Rourkela.

The department of **Civil Engineering** had 2 sponsored projects worth INR 37.6 Lakhs and 24 consultancy projects worth INR 400 Lakhs in the previous year.

Department of **Chemistry** will be conducting the 31st CRSI National Symposium in Chemistry (NSC-31) in NIT Rourkela during July 6th - 8th, 2023. NIT Rourkela is the first among all NITs to host such prestigious conference. Faculty members of the department have published around 82 articles in international journals and have been involved in several outreach activities. Faculties have several work in progress through Collaborative DAAD Sandwich Programme with Foreign Universities.

Department of **Chemical Engineering** has received funding of around INR 315.6 Lakhs through 14 sponsored projects. They have published more than 50 articles during the said time period and have conducted 6 national/ international conferences, short-term courses and webinars in the past year in virtual as well as physical mode.

Department of **Computer Science and Engineering** has acquired 7 high profile projects, published 60 articles in reputed journals and have conducted a conference on Advances in Distributed Computing and Machine Learning. The group has initiated many international collaborations with reputed universities in USA and Japan and has participated in several outreach activities.



Department of **Earth and Atmospheric Sciences** has currently ten ongoing sponsored and consultancy projects worth ~ INR 3.7 crores. They have several foreign collaborative projects with researchers from USA and China. An MOU has been signed between the India Meteorological Department and NIT Rourkela for creating a Meteorological Observatory, installing an Automatic Weather Station, and partnership in education and research (AWS).

Department of **Electronics and Communication Engineering** published 86 articles in peer-reviewed journals of high repute upto impact factors of 7.11 and 5 patents were filed in the past year. For executing 21 research projects, they have received funding to the tune of INR 1076.54 lakhs. A Centre for IoT and Embedded Technologies (CIET) is established in the past year and is in sync with IoT for healthcare activity.

Faculty members of the **Electrical Engineering** Department have actively engaged in various fields of research activities and published a total of 120 research articles in high-quality journals. One workshop and three short term courses has been conducted by the faculty members in last year and three patents have been filed by the faculties. The Department has also tied up with overseas research projects like Indo- Sri Lanka, Indo-UK, Indo-Thailand and ASEAN-India under the DST, Govt. of India. The Electrical Engineering Department has also received several research projects from DRDO, DST, SERB, IMPRINT-II, MHRD, Govt. of India with worth of INR 479 lakhs.

The department of **Food Process Engineering** has 12 faculties, who have contributed more than 70 publications during the said time period and one patent on "A Low-Temperature Decortication cum Grinding Machine for Myrobalan Fruits". Several research projects are going in the department. Department was conferred with the best Institute under Poshak Annaj Award 2022 by IIMR, Hyderabad, for the cumulative research done on Millet. The department has conducted 2 Karyashalas and 2 GIAN courses on different areas of food engineering and has conducted various outreach activities and conducted the international conference KETSAC 2022 with the celebratory theme of International Year of Millet.

Department of **Humanities and Social Sciences** received a novel project on designing a multilingual vocabulary book for first-generation tribal learners from the CSR Division of SAIL RSP. The Centre of Excellence (CoE) on Public Health Nutrition functioning since 2019 in the Department in collaboration with UNICEF, has received additional financial support for another 5 years (January 2022- December 2027) with an estimated budget of Rs. 23.7 Crores. The Centre serves as a platform for collaborative research in the areas of Public Health Nutrition and Food Security.

Department of **Industrial Design** conducted 3rd international conference on Innovative Product Design and Intelligent Manufacturing Systems 2021. A project on "Underwater Acoustic Composite Metamaterial (RACCOM)", has been approved , which is an Indo-French Collaboration, Recommended by CEFIPRA, worth INR 155.5 Lakhs where INR 70.75 Lakhs is for NIT Rourkela, on and above funding of (+) 90,000 Euro will be used by Naval Group to IRMRA and ISEN-JUNIA.

The department of **Mathematics** has published more than 40 research articles have received funding worth of more than INR 90 Lakhs for 8 different projects.

Department of **Metallurgical and Materials Engineering** has 2 sponsored projects and 5 industrial consultancy projects with companies such as Tata steel and CASTECH Foundries Pvt. The department is involved in several outreach activities. Faculties of the department have cumulatively published 75 articles and have files for 2 patents, conducted 5 workshops and have conducted an International Conference on Processing and Characterization of Materials.

Department of **Mining Engineering** successfully conducted- The Annual Geo-mining festival of NIT Rourkela (MINARE 2022). The members of the Department have published 51 peer reviewed articles. They have total of 4 running projects in the department worth INR 92 lakhs and have 36 Consultancy projects in year 2021-22, worth INR 5.38 cr.

The Department of **Planning and Architecture** has taken up a consultancy project worth INR 19 Lakhs to design the landscape of Industrial Training Institute, Hirakud with a focus on sustainable measures and a research project worth INR 13 Lakhs for developing guidelines for trans-generational cities and urban communities collaborating with IIT Kharagpur.

Members of the Department of **Physics and Astronomy** have published 27 high impact factor journals articles. Several faculties have established valuable foreign collaborations with scientists in USA, Bangladesh, Italy, Belgium, Finland and South Korea, China, Brazil, Japan, Nigeria, Russia and Germany.

Department of **Life Sciences** consists of 13 faculty members, with expertise in wide interdisciplinary areas. They have published in several high impact factor journals and conducted 3 conferences during the said period and have several sponsored and consultancy projects. One patent on "biocompatible gelatin and I-carrageenan based composite hydrogels and biomedical applications thereof" has been granted in the past year for the group.

**School of Management** has several sponsored and consultancy projects focussed on training, development, and livelihood provision for rural development worth more than INR 63 Lakhs. AICTE Training & Learning (ATAL) Academy Sponsored Online Faculty Development Program on Sustainable Business Eco-System was also conducted by the department. Outreach activities by department members include National Workshop on "Intellectual Property Rights", which was successfully conducted.

All departments and centers have independent projects, objectives and goals, but interdisciplinary projects and collaborations with other different departments contribute towards the realization of NEP 2020 on a larger scale and also in realizing the vision and objectives of NIT Rourkela.

### **Students' Activity Center**

*NIT Rourkela encourages the wholesome development of the students, to achieve creativity, athletic capabilities and intellectual thought processes as necessary entities. It is also the unit where students elect their representatives and get involved in arranging some of the major student events student activities, student organizations, programming, events, sports, recreation and fun at the institute campus. Under SAC, there are four societies, namely Technical society, Games & Sports Society, Film and Music Society, Literary and Cultural Society. Apart from the major societies, every society has satellite clubs that have their management under the overall supervision of SAC. Monday Morning is*

*the Student Media body of NIT Rourkela, which actively reports about different events from the student's point of view. There is a SPIC MACAY chapter as well, which time and again organizes various classical music and dance events to introduce the NIT Rourkela community to the various aspects of traditional Indian culture.*

*Our students had been participating in online events and competitions during the pandemic period. This changed once institutes were officially opened and offline classes started. Students have been actively participating in different events, and student exchange during the fest is also back with more vigour and enthusiasm. Students also participate in all government mandates and events organized including EBSB, Swachhata Campaign, FIT India, Har ghar Tiranga, among many others.*

*Three major Fests have happened so far, VRIDDHI 2022, INNOVISION 2022 and Cosmo 23, which have all been extremely successful and have seen great participation from students of other colleges as well.*

The efforts of the **Games and Sports society** are directed to ensure that each and every person has sufficient avenues to indulge himself/herself in sporting activities on the campus and that they enjoy the game irrespective of the fact whether he/she is a part of the institute team or not.

Intra NITR Swimming Competition- Students, professors and their family members participated in the competition in their respective age groups. Participation of female candidates was emphasized during the event and a high turn-up was observed. The event was a grand success.

Infrastructure development was a major objective of this session, where the basketball court and badminton court were renovated.

VRIDDHI- The annual sports fest was conducted with the participation of more than 550 athletes(excluding NITR players) coming from different parts of the eastern region, which is about 100% more than that of the previous edition. There were about 9 games in which the players participated with true sportsmanship and enthusiasm. The sense of camaraderie during those days was palpable. Out of different competitions, NIT Rourkela players were champions in kho kho (men and women), kabaddi, volleyball, chess, and football.

The **Literary and Cultural Society** of SAC, NIT Rourkela, has clubs for various interests, from promoting Odia literature to social causes, graffiti, public speaking and debate, and fashion. The Literary and Cultural Society attempted to deal with the aftermath of the pandemic by organising potential events in both online and offline modes.

SDG Campus Club organized various webinars on a wide range of topics, such as zero hunger target, gender equality, etc., by eminent personalities like Mr Pramod More and Ms Elif Selcuk. The club organised many competitions like 'Survive De Vil' in Nitrutsav 2022, Cyclothon and 'Dartain' in Innovision 2022, 'Equipose'-an online quiz in collab with Rainbow Dot club, 'Kaleidoscope'- a photography and art competition and elocution on the occasion of Janjatiya Gaurav Diwas in collaboration with Clarion and Odia Sahitya Samaj. Hands to Heart, Rotaract, Rainbow Dot, and Leo club are also involved in similar work focussed on increasing awareness about issues of Woman empowerment, cleanliness drive, book exchange program.



Voice of Voiceless conducted mass vaccination drive which included anti-rabies and six other significant diseases of almost all the dogs on the campus. Control, feeding, treatment etc., of over 30 animals living on the campus were accounted for time to time.

TEDxNIT Rourkela Live 2021 was a Simulcast Event of TED Monterey 2021. It hosted speakers like Illusionist Filmmaker Zach King, Organizational Psychologist and NY Times Best-selling Author Adam Grant, Cellular Agriculturist and Entrepreneur Isha Datar, Comedian Actor-Director Pardis Parker and many more. The main 2021-22 event, TEDxNIT Rourkela Women 2022: What Now?, was held on January 8-9, 2022. This TEDx Women event hosted women from all backgrounds and fields in line with the motto "-Ideas Worth Spreading". Odia Sahitya Samaj, Literabuzz, Kalaam worked on several programs popularizing poetry in Hindi, increasing awareness about the literature and the cultural heritage of different languages prose and poetry.

The Cognizen Club has indulged in various activities to spread Political and Economics awareness. They organized several events along with our regular initiatives. A few of those are webinars on "The Green Economic Model for India" and Workshop on MUN, among others. Clarion club members have also been participating in very high-profile debating competitions and have brought many laurels to the institute.

The **Film and Music Society** conducted The Multi-Ethnic Fest, Cosmopolitan 2023 for 4 days, wherein students performances were organized into different zones: East, West, North, South, and Foreign. Each day, performances from specific zones will showcase their culture and traditions through dance, music, and drama events.

Clubs under FMS society conduct several programs throughout the year. Akriti conducted a programme Radiance 4.0, which was an exhibition of art and craft, set on INNOVISION'22, to showcase drawing and art skills and hone the talent. Around 75 art and craftworks were displayed in the exhibition, wherein the best of our students' skills were displayed in the exhibition. Drill N' Bass, Euphony and Heart Beats have conducted several musical programs on various occasions. Pantomime, the drama club, presented "Mukhbir" on 15th August 2022, a program as a tribute to the unsung heroes of our nation, who leave behind their families to spy for the nation. On 15th August 2022, another club Ritvic presented "Shaurya", an original stage play which told the story of a soldier's family's unwavering courage, as a part of the Independence Day cultural program in BBA. Other dance clubs Synergy, Nitryunjay and Mavericks have performed several dance programs throughout the year on various occasions. There are also clubs such as Third Eye, in which the club members take photographs of the events and campus life and showcase it on different platforms.

The Technical Society conducted Innovision, the annual Techno -management fest which was one of the largest fests of this region and had a footfall of more than 10000 persons. It was a platform for students to showcase their technical and creative skills through various competitions and events. The event included a variety of activities such as treasure hunts, car shows, hackathons, guest lectures, and webinars. The event also included flagship events Autoquest, Robo-wars and Deathrace, which had huge participation from students. Autoquest collaborated with the SAE NIT Rourkela Chapter to organize Autoquest, an automobile based treasure hunt. The event was open to participation from students across India, had over 3000 students from other colleges and universities taking part in the

event. The event also included competitions such as "Stock Market 101" and "Code Rush" which are organized by the clubs of NITR. Many eminent speakers also have their guest lectures in fest such as Ishan Sharma and Usha Rengaraju . Overall, Innovision provided a platform for students to showcase their skills, learn new things and network with other students and professionals.

There have been several other club activities. The club Bioscience Society invited our eminent alumni, Miss Smru Sudha Biswal, an integrated PhD student (MRes at Imperial College London and PhD at the University of Manchester), to share noble work in biosciences and engage in scholarly discussions with the participants on August 14. Club InCers conducted a 3 Day National Webinar on 'Lithium- ion batteries and beyond. Club Aero-Projects fabricated a RC Plane from scratch and did its performance analysis. The club TRR participated in the online event of Formula Bharat, where they presented a business plan presentation. Club CEST organized alumni talk session with Ms. Subhadra Subhadarshini, 87th rank in Gate.

AIChE Outstanding Student Chapter Award 2021-22 for the third time in a row has been won by AIChE student club. 26 members from the chapter were selected as members of the Executive Student Committee 2022-23 including a member in the Executive Board. AIChE Outstanding Sister Chapter Award 2021-22 was won for the very first time. Axiom club conducted "Finding Zozo", as a part of Mental Health Week , in collaboration with ICS. There have been several other lecture series conducted by different student groups in their area of interest, which impacts their viewpoints and outlook. Clubs have also developed various interesting robotic devices such as stair climber bot and line following maze solver.

### **Career Development Centre**

Career Development Centre (CDC) NIT Rourkela has been dedicated to providing placements, internships, training, and local study tour to our students where they get expertise with cutting-edge technology in the R&D industry or organization. The CDC provides exposure and opportunities to the students by providing an avenue for interaction, interviews, and lectures in collaboration with industries. In addition, industrial training and internships provide students with pre-placement offers (PPO) based on the performance of the student throughout the internship period. Our institute has committed to the provision of a six-month internship for M. Tech, Dual Degree, and starting this for B.Tech. courses as well. The local study tour is one of the undertakings of CDC where students groom themselves with industry life as well as learn skill development and develop their career growth. CDC has initiated to connect our aspiring students for higher education in abroad with the help of the NIT Rourkela overseas alumni association (NITROAA).

The Career Development Center of NIT Rourkela kept raising the bar in on-campus placements for the last many years. In the academic year 2021-22, NIT Rourkela stood out as one of the best campuses for On-Campus Placements, recording 1310 (Male: 1072, Female: 238) Job Offers with an average CTC of 11.14 LPA and Median CTC 8.5 LPA and 419 internship offers to have an average stipend of 40 KPM. The highest package offered was a whopping 46.08 LPA. With a record-shattering 1070 students placed, the industry-institute relations have soared to new heights.

### Alumni Relations

The students, faculty and staff and alumni are the important entities of a successful educational institution. We are very proud of the achievements of our alumni, whose accomplishments and connection with alma matter have inspired so many of the younger generation and propelled them toward success. The outstanding contributions of alumni at national and international levels have built a legacy that our next generation of students persevere to achieve and target even higher if it is possible.

In this academic year, we observed Diamond Jubilee Global Alumni Meet (DJGAM) 2022 during Dec. 28-30, 2022. Before this mega event, four important Reunions of Batches also happened during Nov-Dec, 2022, which included Golden Jubilee Celebration for the Batch of 1972, Silver Jubilee Celebration for the Batch of 1995, 1996 and 1997. During these meetings, financial support has been extended for establishing sustainable projects on Waste to energy, installation of Roof Top Solar Panel, the revival of "Waste Water Treatment Plant, to setup IoT lab (ECE), creating Student Research Travel fund and other projects focussed on-campus development.

To appreciate our alumni, since long, our institute has been bestowing the "Distinguished Alumnus Award". This year, this award has been bestowed upon 9 distinguished alumni under three categories "Academic and research, industry and management, entrepreneurship and public life". For excellence in Academia and Research, this award is being received by 1) Prof. Bhallamudi Ravi, Head of Desai Sethi School of Entrepreneurship, IIT Bombay, 1986 Batch, Mechanical Engineering; 2) Prof. Pinakeswar Mahanta, Director, NIT Arunachal Pradesh, 1985 Batch, Mechanical Engineering; 3) Prof. Laxmidhar Behera, Director, IIT Mandi, Himachal Pradesh, 1988 Batch, Electrical Engineering; and 4) Prof. Nikunja Swain, Chair and professor of Computer Science and Mathematics at SCSU, United States of America, 1977 Batch, Electrical Engineering. Under the category of Industry and management, the recipients are 1) Shri. Atanu Bhowmick, Director In Charge of Rourkela Steel Plant, Rourkela, 1988 Batch, Metallurgy Engineering; 2) Ms Prativa Mohapatra, Managing Director of Adobe, India, 1992 Batch, Computer Science & Engineering; 3) Rear Admiral Sanjay Chaubey (Retd.), Chairman and Managing Director, Electronics Corporation of India Ltd, Hyderabad, 1985 Batch, Electrical Engineering; and 4) Shri Lalit Das, IPS, CMD of Odisha Police Housing and Welfare Corporation, Govt of Odisha, 1986 Batch, Metallurgical and Materials Engineering. The award for the category Entrepreneurship and Public Life is being received by Dr. Surya Narayan Sahoo, Owner of ZignEx, Inc in US and ZignEx India Pvt. Limited in India, Texas, United States of America, 1985 Batch, Chemical Engineering.

On behalf of NIT Rourkela community and myself, I congratulate all of you and wish you the best in your future endeavors. We look forward to starting new associations with you as distinguished alumni.

### Award winners

Convocation is a special day in all academic calendars and for all graduates, post-graduates, and doctorates. I extend my heartiest congratulations to all the graduands, for achieving this important milestone of their lives. I congratulate all the proud parents, it is their relentless support and belief which has made this day possible. A special word of felicitation to those who are receiving awards and medals.

The heartiest congratulations to the 6 Gold Medal Winners: **Simran Deep Singh Thakral** (the best Graduate (B.Tech and B.Arch.)), **Manish Gadikar** (the best Postgraduate (M.Tech.)), **Aditya Menon** (the best Postgraduate (MBA)), **Shreekrushna Mishra** (the best Postgraduate with Integrated M.Sc Degree), **Hamsaa S. K.** (the best Postgraduate (2 Yr M.Sc. and MA)), **Swati Kumari** (the best Postgraduate with Dual Degree B.Tech. and M.Tech.).

I congratulate all the Endowment Gold Medalists and Endowment award winners: Abhisek Agarwal for receiving Prof. S. C. Naik Gold Medal for Best Graduate of Chemical Engineering, Mahesh Prasad Pati for receiving Shri Kamakshi Prasad Panda Gold Medal (Best Graduate of Electrical Engineering), Priyojeet Dash for receiving Dr. Bansidhar Panda Gold Medal (Best Graduate of Metallurgical and Materials Engineering), Manish Gadikar for receiving Prof. Ramesh Chandra Behera Gold Medal (Best Engineering Post Graduate of the Institute), Sumanta Sahu for receiving Snigdhashri Patra Memorial Gold Medal for the best Ph.D. Thesis of 2021-22, Abhishek Kumar Kashyap for receiving Prof. Amrit Kumar Paul Memorial Award for Best Student Research Scholar of 2022, Simran Deep Singh Thakral for receiving Saurav Ranjan Kar Memorial Award (Best Graduate of the Institute), Archit Nabaria for receiving Pranab Memorial Award (Best Graduate in Mechanical Engineering), Simran Deep Singh Thakral for receiving Bunt Memorial Award (Best Engineering Graduate of the Institute), and Mahesh Prasad Pati for receiving Sugat Kishore Mall Memorial Award (Best Graduate in Electrical Engineering). Wish you all the very best. Dearest graduands, studying at a premier institute is a seed of aspiration, which we as a society sow very deep into your brains. Now is the time to pause, cherish and be grateful for this wonderful achievement. I am sure training at NIT Rourkela has not only enriched your mind with scientific and technical thoughts but has given you lessons of life and has prepared you to face whatever is coming next. Each one of you is unique and each has a role to play in this huge world. I advise and wish that you be resilient, persevere, stay focused and disciplined, and keep learning to be where your target is. At the same time pause, travel and enjoy the moment as you move forward.

I once again thank the Chief Guest of this 20<sup>th</sup> Convocation, Honourable Mrs. Soma Mondal, Chairman, Steel Authority of India Limited, honourable Shri Om Prakash Singh, Chairman-cum-Managing Director, Mahanadi Coalfields Limited, accompanying Dignitaries, Members of Board of Governors, Members of the Senate, and all Faculty Colleagues and Staff of NIT Rourkela, Distinguished Guests, Recipient of Degrees and Awards, Nominees and Representatives of Electronic and Print Media for sharing their valuable time. I want to acknowledge the hard work and perseverance of the members of NIT, contributing towards welfare of the NIT Rourkela and nation building. I would like to place on record and acknowledge the support received by the district administration during various events and activities. I would also like to congratulate them for successfully conducting Hockey World Cup tournament. I am sure that the support and goodwill of our stakeholders, the natural talent of our students, the dedication and perseverance of our faculty and staff members will enable NIT Rourkela to achieve further excellence and in serving the country better.

Thank you all!

*Jai Hind!*

**Prof. K. Umamaheshwar Rao**  
Director, NIT Rourkela



## DOCTOR OF PHILOSOPHY

### Department & Candidate's Name

### Title of the Thesis

#### **BIOTECHNOLOGY AND MEDICAL ENGINEERING**

JAYPRAKASH YADAV

Studies on Microbial Production and Extraction of Poly- $\gamma$ -hydroxybutyrate Using *Bacillus Subtilis*

RIMI BISWAS

Characterization of Arsenic (As) Transforming Bacteria and Red Mud to Construct a Two-Step Biofilter Column for Total As Removal from Groundwater

V SHANMUGA SHARAN RATHNAM

Silanized and Chitosan Conjugated Graphene Oxide: Synthesis, Characterization and Evaluation of Its Potential as Biomaterial and Drug Delivery Vehicles

#### **CERAMIC ENGINEERING**

ABHISHEK KING

Phase and Photoluminescence Behaviour of Rare-Earth Doped Zirconia Nanopowders for Luminescent Applications

AMIT KUMAR YADAV

Development of Granular Porous Alumina Adsorbents using Kaolin for the Mitigation of Excess Fluoride Ions from Aqueous System

CHELLURI SOWJANYA

Studies on the Crystal Structure, Electrical Conductivity and Oxygen Transport Parameter of  $A_{0.5}Sr_{0.5}Co_{0.2-x}B_xFe_{0.8}O_{3-\delta}$  [A = La, Ba; B = Zn, Al; x = 0 – 0.2] Perovskite Oxides

IPSITA PRIYADARSHINI SWAIN

Evolution of Porosity and Nanostructure in Preceramic Polymer Derived Nanoporous Particulates

PALLAVI SUHASINEE BEHERA

Studies on the Synthesis and Utilization of Fine Alumina Powder for the Fabrication of Sintered Mullite Ceramic

RAHUL ANAND

Evolution of Phase and Nanostructure in Early Transition Metal-Doped Polymer Derived Silicon Carbonitride Ceramics

RAHUL SINGH

Phase, Morphology, and Photoluminescence Characteristics of Europium Doped Zinc Oxide Nanopowders for Luminescent Applications

SREERAM ABHINAY

Effects of Processing and Composition on the Electrical, Optical and Photocatalytic Properties of Ba, Ni Modified  $KNbO_3$  Ceramics

VENKATESH PILLI

Nanocarbon Containing Alumina-Carbon Refractories

YOGENDRA PRATAP SINGH

Preparation and Characterization of Freeze-Dried and Electrospun Scaffolds from Chitosan, Gelatin, and Monetite Nanoparticles for Bone Tissue Engineering

## CHEMICAL ENGINEERING

AKASH RANJAN PATI

Development of Fast Quenching Methodologies and their Effects on Mechanical Properties

ANITA PANDA

Enhancement of Spray Cooling in Transition and Nucleate Boiling Regime by using Novel Techniques

SOWHM SWAIN MOHAPATRA

Co-Pyrolysis of Sugarcane Bagasse and Thermocol Waste to Obtain an Upgraded Product

SUDHANSHU KUMAR

Computational Study of Magnetohydrodynamics-based Heat and Mass Transfer Inside Enclosed Systems by Lattice Boltzmann Method

## CHEMISTRY

ABHINAV MOHANTY

Unravelling the Role of Heme in Bacterioferritin and Regulating Ferritin Self-Assembly: Implication towards Health and Diseases

AKANKSHIKA PARIDA

Iron Mineralization in Mycobacterial Ferritins: Impact of Protein Cage, Pores, and Phosphate

KRISHNENDU DAS

Application of Bismuth Titanate and Bismuth Ferrite based Binary/Ternary Heterostructure Nanomaterials towards Photocatalytic Degradation of Agrochemical Contaminants

MANAMOHAN TRIPATHY

Novel Iron-based Hybrid Nanoadsorbents for Removal of Arsenic from Aqueous Stream

KU. PREETI VERMA

Lattice Strain in Li<sup>+</sup>-Doped NIR-Upconverting Crystals: A Bridge between Photoluminescence Intensity and Local Disorder

PRIYADARSHINI MISHRA

Enol ester: A Versatile Synthetic Equivalent for Isocoumarin and Chromone Synthesis

RAKESH PARIDA

Combined Density Functional Theory and Molecular Dynamics Study on the Design and Application of Super-Alkali/Halogen and Analysis of Reaction Mechanism

RAMESHKUMAR GAJULA

Covalent Organic Cage Materials for CO<sub>2</sub> Gas Adsorption and Chemosensing Applications

SANTANU SANTRA

Microscopic Investigation of Conformational Stability of Proteins in Amino Acid Solutions and the Properties of Solvent Around it

SUBHADRA OJHA

Transition Metal-Catalyzed C-C and C-Heteroatom Bond Formation through Radical Process

SUBHRAJIT MOHANTY

Deciphering the Aggregation Behaviour of CHAPS, a Steroidal Zwitterionic Surfactant, and its Interaction with Biologically Important Molecules and Macromolecules: A Spectroscopic Approach

TUHIN SUBHRA DASH

Synthesis and Physico-chemical Study of Few Mn-based Ternary Chalcogenides of General Formula  $MII_2AIVQ_4$

TULASI BARIK

Synthesis and Functionalization of Sandwich based Molecular Scaffold for their Study in Catalysis and Biological Behavior

### **CIVIL ENGINEERING**

AALA SATYANARAYANA

Study of Fracture Properties of Composites and Aluminium Alloys Using Size Effect Method

AMIT KUMAR DAS

Development of a Generic Microscopic Cellular Automata Model on Traffic Flow

MANOJ KUMAR BISWAL

Analysis of Pedestrian Level of Service and Capacity at Various Transportation Facilities

PRIYADARSHI DAS

Vibration and Buckling of Cracked Laminated Composite Beams with Crack Detection Using Fuzzy Logic

RAJENDRA ROUL

Studies on Dynamics of Wind Turbine Rotor Blade System

SHEMINT JOHN

Internet of Things based Real-time Monitoring System for Early-age Properties of Concrete

SUBHASHREE JENA

Development and Evaluation of Hot and Warm Sand-Sulphur-Bitumen Paving Mixes

### **COMPUTER SCIENCE & ENGINEERING**

ADITI PANDA

Refinement and Processing of Steel Microstructure Images Facilitating Automated Heat Treatment Process Prediction

BANHI SANYAL

On The Development of Indian TSR Systems using Machine Learning Techniques

BISWA RANJAN SENAPATI

Performance Enhancement of Vehicular Ad hoc Network (VANET) for Real-life Applications in Smart Cities

DEBENDRA MUDULI

On the Development of Improved Mammogram Detection System using Machine Learning Approaches

GAUTAM KUMAR

Novel Periocular Recognition under Non-Cooperative Scenarios

JAMIMAMUL BAKAS	Compressed Multimedia Forgery Detection through Blind Digital Forensics
JAYEETA CHAKRABORTY	Quantitative Analysis of Gait Disorder using Machine Learning Techniques
K. KRISHNA RANI SAMAL	Exploring Deep Learning Techniques for Data-Driven Air Quality Modeling and Forecasting
KOLLURI RAJESH	Design of Fluidic-Level Synthesis and Error Recovery Algorithms for Digital Microfluidic Biochips
SANTOSH KUMAR SAHU	Analysis of Intrusion Data using Scalable Machine Learning Techniques
SWADHIN KUMAR BARISAL	Escalation of Modified Condition/Decision Coverage for Object-Oriented Programs

#### **EARTH & ATMOSPHERIC SCIENCES**

ANANDH P C	Rainfall Characteristics over the Indian Subcontinent and the Influence of the Madden Julian Oscillation
DEBASIS PAL	Genesis of Gold Mineralization in the South Kolar and Gadag Greenstone Belts, Dharwar Craton: Constraints from Hydrothermal Alteration, Tourmaline Chemistry, Fluid Inclusion and Stable Isotope Studies
KONDA GOPINADH	Assessment of Ocean-Atmosphere Interactions for the Indian Summer Monsoon Intraseasonal Oscillations in CMIP5 and CMIP6 Models
PALLAVI PRAHARAJ	Tectono-Metamorphic Evolution of the Madurai and Trivandrum Blocks of Southern Granulite Terrane, South India: Relevance to Gondwanaland Assembly
RAJESH KUMAR SAHU	Response of Atmospheric Thermodynamics to Pre-Monsoon Season Thunderstorms over Eastern and North-Eastern India

#### **ELECTRICAL ENGINEERING**

MALAY BHUNIA	Adaptive Control Design for a Three Phase Grid Connected Photovoltaic System with Experimental Analysis
MIHIR KUMAR SAHOO	Transfer of Vertically Aligned Silicon Nanowires Array Fabricated using Metal-Assisted Chemical Etching
PRANGYA PARIMITA PRADHAN	Robust Control Schemes for a Doubly Fed Induction Generator based Wind Energy Conversion System



**ELECTRONICS & COMMUNICATION ENGINEERING**

KAPPALA VINOD KIRAN	Design and Development of Hybrid FSO/RF Communication System with Auto-Tracking Mechanism
PRADEEP KUMAR DAS	Development of Efficient Schemes for Detecting Hematological Disorders
SASWAT KUMAR RAM	Secure and Reliable Energy Harvesting System Design for Sustainability in IoT for Smart Cities and Smart Villages
VENKATA RAMAKRISHNA N	Leakage Power Minimization in CMOS VLSI Circuits: Circuit Level Approaches

**FOOD PROCESSING ENGINEERING**

ABDULLAH S	Development of Membrane Filtration Process Protocol for Reduction of Astringency and Retention of Bioactive Compounds in Cashew Apple ( <i>Anacardium occidentale</i> L.) Juice
SYED IRSHAAN	Polysaccharide-based Oil-in-Water Emulsion Systems for the Prolonged Efficacy of Hydrophobic Antimicrobial Compounds
RIFNA E J	Development of Process Technology for Valorization of Pomegranate Peel and Its Application in Powdered Infant Formula
PATHAK SUMIT SUDHIR	Design and Development of a Cryogenic Decorticator cum Grinder for Phytochemical Rich Myrobalan Fruit Powder

**HUMANITIES & SOCIAL SCIENCES**

CHAITALI CHOUDHURY	Reading Ascetic Ideals in Indian Nationalist Thought
PADMAJA BHUJABAL	Essays on the Perspective of Foreign Direct Investment in South and South-East Asian Economies: Beyond its Growth Effects

**INDUSTRIAL DESIGN**

KARISMA MOHAPATRA	Simulation and Experimental Verification for Acoustic Attenuation of Intuitive Designs of Periodic Scatterers and Combination with Acoustic Panels
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**LIFE SCIENCE**

ABTAR MISHRA	Stimulation of Autophagy by Soybean Lectin (SBL) and Its Antimycobacterial Response in Human Macrophages
ANUJ SATISH TIWARI	Study on Membrane Parameters Involved in ZnONP Penetration and Amyloid Beta Interaction in Neurodegeneration

BASUDEB DAS	Identification of Potential Therapeutic Targets and Investigating Piwi-Interacting RNA (piRNA)-Mediated Target Regulations Implicated in Oncogenesis and Drug Resistance of Sarcoma
CHANDRA SEKHAR BHOL	Unravelling the Molecular Connection between PAX9 and Autophagy to Regulate Oral Carcinogenesis
DARAKSHA PARWEEN	Identification and Characterization of a Nonhost Resistance Gene in Arabidopsis Against Rhizoctonia Solani for Durable and Broad-Spectrum Rice Sheath Blight Resistance
DEBASNA PRITIMANJARI PANIGRAHI	Deciphering the Role of MTP18 in Mitophagy and its Targeting for Apoptosis Induction in Oral Squamous Cell Carcinoma
GYANASENI DHAR	Investigation of Various Factors Shaping the Hearing Organ of Drosophila: The Johnston's Organ
NIBEDITA NAYAK	Influence of High Fat Diet, Bacterial Infection and Clock Mutation on Circadian Rhythm and Sensory Modalities of Drosophila Melanogaster
SHREOSI CHATTERJEE	Diversity of Biofilm-Forming Filamentous Fungi from Sundarban Mangrove Ecosystem and Sequestration of Chromium by Fungal Biofilm and Biosynthesized Iron Oxide Nanoparticles
SUMIT MUKHERJEE	Impact of Dietary Modulations on the Onset of Type 2 Diabetes in Drosophila Melanogaster and its Treatment Mediated by Metallic and Polymeric Nanoparticles
<b>MATHEMATICS</b>	
ARCHANA TIWARI	Some Control Problems on Lie Groups and Symmetric Spaces
ARUN KUMAR BADAJENA	Elliptic PDEs with Concave and Convex Nonlinearities
KOUSIK MAITI	Statistical Inference based on Progressive Type-II Censored Samples from Lifetime Distributions
RAJARAMA MOHAN JENA	Analytical and Numerical Solutions of Fractional Differential Equations
SANGITA DAS	Study on Various Stochastic Comparisons of Order Statistics Arising from General Families of Distributions
SUBRAT KUMAR JENA	Dynamical Behaviours of Size Dependant and Functionally Graded Beams via Numerical Solutions

**MECHANICAL ENGINEERING**

ABHISHEK KUMAR KASHYAP

Terrain Exploration, Stability Control and Trajectory Planning of Humanoid Robots employing several Navigational Strategies

BISHNU PRASAD NANDA

Development and Characterization of Epoxy based Hybrid Composites Reinforced with Hair Fibers

BONDA ATCHUTAGANESH YUVA RAJU

Signal Analysis and Chatter Control Studies in Internal Turning Operations

DEBASHIS PANDA

Thermopneumatic Analysis and Process Design of Closed Cycle Cryocoolers

HUKUM CHAND DEWANGAN

Theoretical and Experimental Analysis of Large Deformation Induced Frequency, Static and Transient Responses of Layered Structure with Cutout under Thermo-Mechanical Loading

KUMAR SAMAL

Recognition, Characterization, Categorization, and Forecasting of Counter-Current Gas-Liquid and Liquid-Liquid Two-Phase Flow-Structures: Experimental, Computational, and Numerical Attempts

S SHRIKANT PATNAIK

Dynamic Analyses of CNT-Based Viscoelastic Composite Shell Structures in Hygrothermal Conditions

SABANA AZIM

Study On Micro Drilling Characteristics Of a Ni-Based Superalloy

SARAT CHANDRA CHAINE

Investigation of Micro-drilling of Aerospace Material:Modelling and Optimisation

SAROJ KUMAR

Path Optimization and Control of Robotic Agents Using Hybrid Artificial Intelligence Techniques in Various Terrains

SHAIBU VB

Thermo-mechanical Investigation of Dissimilar Welding of AISI 304 Stainless Steel with Commercially Pure Copper

SUBHRAJIT PRADHAN

Mechanical and Tribological Behaviour of Natural Fiber (Eulaliopsis Binata) Reinforced Polymer Composite

TANMAYEE KHUNTIA

Processing, Characterization and Flammability Behavior of Coir Fiber/Sirisha Bark Filler Reinforced Hybrid Polymer Composites

**METALLURGICAL & MATERIALS ENGINEERING**

BISWAJIT KUMAR SWAIN

Mechanical, Tribological and Hydrophobic Properties Evaluation of Atmospheric Plasma Sprayed NiTi Coating

DEEPANKAR PANDA	A Comprehensive Study on the Microstructure, Texture, and Mechanical Properties of Mg and its Alloys during Grain Growth
JICHIL MAJHI	Microstructural Correlation of Creep, Tensile and Corrosion Behaviour of AZ91 Magnesium Alloy with Bi, Ca and Sr Additions
KRISHNA CHAITANYA KATAKAM	Role of Defects on the Deformation Behavior and Mechanisms in Large-Scale Nickel Nanowire Subjected to Different Loading Methods: A Molecular Dynamics Simulation Study
PANKAJ SHRIVASTAVA	Development of Al and Cu-Based Hybrid Nanocomposites using Graphite Nanoplatelets and Multiwalled Carbon Nanotubes as Nanoreinforcements
GANGINENI PAVAN KUMAR	Mechanical Behavior of Graphene Nanofiller Grafted Carbon Fiber Reinforced Polymer Composites
RAVITEJA VINJAMURI	Roles of Uniaxial, Shear and Cyclic Loading on the Microstructure and Texture Evolution during Plastic Deformation of Ti6Al4V Alloy
SUSHREE SEFALI MISHRA	Role of Y <sub>2</sub> O <sub>3</sub> and Al <sub>2</sub> O <sub>3</sub> Additive during Fabrication of Si <sub>3</sub> N <sub>4</sub> -Mo, Si <sub>3</sub> N <sub>4</sub> -Mo-Si and Si <sub>3</sub> N <sub>4</sub> -Mo-Al Cermets by Powder Metallurgy
<b>MINING ENGINEERING</b>	
DEVENDRA KUMAR YADAV	Development of IoT-based Wireless Sensor System for Slope Stability Monitoring in Open-cast mines
GANTI PRAFUL KUMAR	Performance Evaluation of Solar PV System for Power Generation in Surface Mines
SHANTI SWARUP BISWAL	Detection and Delineation of Coal Mine Fire and Estimation of Greenhouse Gas Emissions using Satellite Data.
SUNIL KUMAR BISOYI	Application of Metaheuristic Techniques for the Prediction and Optimization of Blast Induced Ground Vibration
<b>PHYSICS &amp; ASTRONOMY</b>	
APURBA MAHAPATRA	Synthesis and Characterizations of Organometallic Lead Halide Perovskite Single Crystals for Photovoltaic Applications
KRISHNAMAYEE BHOI	Investigations of Phase Transitions and Magneto-Electric Properties in Single Phase and Composite Multiferroic Systems
MANAS RANJAN SAHOO	Tailoring the Magnetoelectric Properties of SrFe <sub>12</sub> O <sub>19</sub> via Partial Substitution of Bi and Mn



MANOJ KISHOR PRADHAN

Structural, Spectroscopic and Photophysical Features of Rare-Earth Activated Phosphate Phosphors

MANORANJAN SWAIN

Study on Generation and Transfer of Non-Classical States for Application in Quantum Communication

MD FARUCK ABDULLAH

Magnetic, Magnetodielectric and Lattice Dynamic Effect of Chemically Substituted Y-Type  $\text{Ba}_2\text{Mg}_2\text{Fe}_{12}\text{O}_{22}$  Hexaferrites

MITHRA K

Correlating the Structure of Hydrogels to their Diffusion Dynamics & Design and Construction of Fluorescence Correlation Spectroscopy Setup

RASHMI REKHA NEGI

Synthesis and Characterizations of Ferroelectric, Non-Ferroelectric High Dielectric Constant Ceramics Modified  $\text{BaTiO}_3$  Systems for Multifunctional Applications

RASHMIREKHA SAHU

Microwave Processed NBT and SBT based Ferroelectric Composites for Multifunctional Device Applications

SMARANIKA DASH

Investigations of Crystal Structure, Dielectric, Ferroelectric and Piezoelectric Properties of  $(1-x)\text{Ba}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_3 \text{--} x(\text{Ba}_{0.7}\text{Ca}_{0.3})\text{TiO}_3$  Ferroelectric Ceramics and its Composites with Ferroelectric Polymer

SUBRATA KARMAKAR

Development of Nickel-based Hybrid Metal Oxide Nanocomposite Electrodes for Advanced Electrochemical Supercapacitor and Electric Field Emission Application

SUJATA SWAIN

Hydroxyapatite/Lead-free Ferroelectric Composites Synthesized by Mechanochemically Assisted Solid State Reaction Route for Orthopaedic Applications

#### PLANNING AND ARCHITECTURE

PARTHA SARATHI MISHRA

A Methodological Framework for a Multi-Dimensional Value Assessment of Architectural Heritage: A Case of Odishan Temple Architecture, India

#### SCHOOL OF MANAGEMENT

AKRITI CHAUBEY

Impact of Creativity and Innovation Drives of Employees on Organisational Sustainability

AMIT TRIPATHY

Cash Holdings, Financing Decisions, and Firm Value: Evidence from India

DIBYA NANDAN MISHRA

Managing Customer Relationship Quality in Wellness Hotels and Resorts in India: A Netnography Approach

## **MASTER OF TECHNOLOGY (BY RESEARCH)**

**Department & Candidate's Name**

**Title of the Thesis**

**COMPUTER SCIENCE & ENGINEERING**

SONALI ROUT

Secure Video Steganography Schemes using  
Transform Domain Methods and Elliptic Curve  
Cryptography

KM. ANCHAL

Detection and Mitigation of DDoS Attack in Software  
Defined Network (SDN) using Statistical Approach

## MASTER OF TECHNOLOGY

### BIOTECHNOLOGY & MEDICAL ENGINEERING

#### Biomedical Engineering

Adharsh Raj M K  
Astha Jaiswal  
Dibya Chowdhury  
Bhanarkar Jetal Dhanraj  
Joydip Sarkar  
Mridul Verma  
Nilanjan Mahinder  
Pabitraa Madhurima  
Patina Yamini  
Prangya Prativa Behera  
Priyobroto Basu  
Rohit Ranjan Singh

#### Biotechnology

Aastha Kapoor  
Anu Priya  
Aranyak Mitra  
Arka Saha  
Geetika Verma  
Jatin Jawhir Pandit  
Mrinal Patil  
Priyadharshini T  
S Suraj  
Sahetia Lokesh Sunil Lavina  
Shatabdi Kalpita Nanda  
Shikha  
Shivangi Sharma  
Soham Mitra  
Sonjoy Roy Choudhury  
Sovan Dey  
Sreemoyee Sensharma  
Suprakash De

### CIVIL ENGINEERING

#### Geotechnical Engineering

Amit Kumar

Amit Kumar Gupta  
Anil Kumar Barik  
Ankit Kumar Gupta  
Arun Kumar Gupta  
Ashutosh Choudhary  
Babita Murmu  
Behara Naveen Kumar  
Bhanu Pratap Srivastava  
Guguloth Vijaykumar  
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Ketan Kadyan  
Mangaraju Jyotsna  
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Mihir Mayur  
Narendra Kumar  
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#### Structural Engineering

Aman Soni  
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Bed Prakash Gupta  
Bharat Jain  
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Chandrakant Chaturvedi  
Jogu Sharanya  
Komaranthula Venkata Narasimha  
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### **Transportation Engineering**

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### **Water Resources Engineering**

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### **CERAMIC ENGINEERING**

#### **Industrial Ceramics**

Abhi Naik  
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 Alok Suman  
 Ankit Kumar Thakre  
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 Bharat Singh  
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### **CHEMICAL ENGINEERING**

#### **Chemical Engineering**

Aayush Chaturvedi  
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 Killada Pallavi  
 Lipika Dash



Mahima Baid  
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Shivendu Shekhar  
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### **Energy and Environmental Engineering**

Abhisek Dash  
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Seera Siva Sankararao  
Siddhabhatti Mukund Jitendra  
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Wangikar Pratik Vikas

### **COMPUTER SCIENCE & ENGINEERING**

#### **Computer Science**

Abhinav Prakash  
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Ishwar Chandra Mahto  
Jaybhaye Aishwarya Suryakant  
Kanuri Ojaswini  
Kumari Varsha  
Kunisetti Venkata Siva Sandeep Reddy

Mohit Pathak  
Sandip Kumar Munda  
Sankarasetty Nagarjuna  
Shagun Kumar Sharma  
Shashi Kant Bharti  
Sheetal Agarwal  
Shilpa S  
Shrabanti Kundu  
Snehal Bharti  
Suvra Sarkar  
Umesh Yadav

#### **Information Security**

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Baljeet Kaur  
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Manjay Kumar Gupta  
Nagendra Chaudhary  
Naman Chand Jaisawal  
Panne Lal  
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Prajnya Sushree Sangita  
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Rohit Singh Rana  
Shreyan Saha  
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#### **Software Engineering**

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 Mohd Rekaz Muddassir  
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 Rahul Sahu  
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## **ELECTRONICS & COMMUNICATION ENGINEERING**

### **VLSI Design and Embedded Systems**

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 Bandi Mallikarjuna Reddy  
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 Janvi Kumari Barnwal  
 Md Faizal Ali Ahmed  
 Patil Niraj Rajendra  
 Pushpa Kumari  
 Rajveer Singh  
 Rupam Sinha Roy  
 Shende Shubham Namdeo Mangala  
 Singam Srivaishnavi  
 Sujith Nair  
 Vancha Sharath Reddy  
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### **Electronics and Instrumentation Engineering**

Aniket Singh  
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 Sachin Mishra  
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### **Communication and Networks**

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 Geetha E  
 Jayaram Kurtadi  
 Kondapu Kavya Reddy  
 Mandadi Mary Arpitha  
 Mullapudi Giri Vasu  
 Pansari Riya  
 Ponduru Jayakrishna  
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 Rajanedi Sirichandana  
 R Pavan Kumar  
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 Subuddhi Abhinesh  
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 Thota Praveen Kumar  
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### **Signal and Image Processing**

Ankana Sil  
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 Arshi Sinha  
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 Chinmaya Kumar Meher  
 Dias Xavy V  
 Hamid Sayeed

Kakade Pravin Vitthal  
 Karanam Pitambar  
 Katta Pratyusha  
 Krishnapriya S  
 Lakkam Raghukumar  
 Nallagatla Govinda Reddy  
 Sarvesh Kumar Yadav  
 Sushil Kumar  
 Swapnil Shrivastava  
 Thorat Sumedh Sahebrao

### **Microwave & Radar Engineering**

Amrutha Subrahmannian  
 Arnab Karmakar  
 Bincy Salim  
 Kolli Sumana  
 Prabhakar Kumar

### **ELECTRICAL ENGINEERING**

#### **Electronic Systems and Communication**

A Pramod Kumar  
 Abhishek Kumar  
 Amit Sharma  
 Ankur Gupta  
 Boddu Pavan Sai  
 Jay Rathwa  
 Jitendra Chauhan  
 Megha  
 Niraj Kumar  
 Pallapati Bhavana  
 Rudraswamy S U  
 Sanjay Kumar Jain  
 Shahabuddin Ahmed  
 Suranjan Kumar  
 Surkar Advait Hemant  
 Vaddadi Sree Vamsi

#### **Control and Automation**

Ajay Ganapathy

Diksha Singh  
 Eniyavan Rameshbabu  
 Gurram Sridhar  
 Korukanti Vijay Kumar  
 Lokesh Kumar Meena  
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 Shreetam Naik  
 Vemula Bharath Kumar

### **Power Electronics and Drives**

Anshuman Dash  
 Banwari Lal Yadav  
 Bhoyar Shubham Omprakash  
 Boddu Sujith  
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 Gugulothu Veeranna  
 Gujar Ketan Giridhar  
 Gullipalli Vaishnavi  
 Jangili Santhosh  
 Jayant Prakash  
 Jnanaranjan Das  
 Mallapu Bhuvaneswar Reddy  
 Marella Sri Chandana  
 Prateek Kumar Mishra  
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### **Power Systems and Engineering**

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Biranchi Narayan Sahoo  
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 Hitesh Kumar Banjare  
 Jangam Sandeep  
 Jayshree Suresh Mali  
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 Lakavath Tejaswini  
 Md Asif Khan  
 Rahul Gupta  
 Rahul Pradhan  
 Rishab Mukherjee  
 Rishita Muvva  
 Satyajit Swain  
 Shatdarsanam Sai Sree Latha  
 Shivam Maurya  
 Shreyank Dutt Dwivedi  
 Subhasmita Mohanty  
 Vinayaka K Hiremath

## **EARTH AND ATMOSPHERIC SCIENCES**

### **Atmosphere & Ocean Science**

Abhishek Kumar  
 Aman Panda  
 Guguloth Harshath Naik  
 Ipsita Aryasuta  
 Jyotiranjana Sahoo  
 Kumar Chetan  
 Kumar Gaurav  
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 Midasala Deepthi  
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 Pranjal Kansal  
 Prateek Upadhyay  
 Ramanjot Singh  
 S Haripriya  
 Shivam Mani Tripathi  
 Subhra Banerjee  
 Velpula Sharath Kumar

## **FOOD PROCESS ENGINEERING**

### **Food Process Engineering**

Akarshan Mallik  
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 Dibakar Saha  
 Kadavakollu Subrahmanyam  
 Piyush Sharma  
 Shivam Yadav  
 Sibasish Sahoo  
 Sunita Mishra  
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## **INDUSTRIAL DESIGN**

### **Industrial Design**

Anand Mohan  
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 M Sidhanta Sanatani  
 Mallikarjun Guranna Meti  
 Prabakaran S  
 Saurabh Shantaram Pandav  
 Saurabh Yadav  
 Sharat Pandey  
 Shivadatt K  
 Sourav Mondal  
 Taywade Shantanu Prakashrao  
 Vedpathak Sumit Pravin

## **MECHANICAL ENGINEERING**

### **Machine Design and Analysis**

Ajeet Kumar Patel  
 Ajit Kumar Dash  
 Akash Prasad Sahoo  
 Ayush Rawat  
 Biswajit Naik

Bondla Sridhar  
 Dadas Sujit Sitaram  
 Ipsit Kumar Dhal  
 Kuldeep  
 Kunal Swarnkar  
 Mhatre Gaurav Dnyaneshvar Nilima  
 Prajjwal Anuragi  
 Rajeev Kumar  
 Rishav Kaushik  
 Sayan Rajak  
 Shabbir Hussain Sharif  
 Shiv Gopal Gupta  
 Shriom Mishra  
 Sitaram Singh  
 Tribhuwan Shubham Bhausaheb

### **Production Engineering**

Akshay Kumar  
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 Anuj Kumar  
 Baswaraju Srikanth  
 Bhavesh Kumar  
 Biswaranjan Sahoo  
 Dhananjaya Biswal  
 Dhulipudi Kiran Babu  
 Dibyajyoti Das  
 Gourav Agarwal  
 Harshil Mishra  
 Kapildev Mahra  
 Mayank Patel  
 Naga Sri Tharun Bhaviri  
 Potharaboina Shanthan Kumar  
 Pyla Kaushik Raj  
 Sangram Khatei  
 Shivam Kumar  
 Soumya Ranjan Pradhan  
 Teki Tanaykumar  
 Udayar Kartik Arumugam  
 Vannepuri Dileep Kumar

### **Thermal Engineering**

Anubhav Kr Srivastava  
 Anuj Chandrashekhar Bankar  
 Bondugula Srujan  
 Dhabekar Prajwal Prakashrao  
 Dipankar Baruah  
 Harsh Katoch  
 Hunabad Umamaheswara Reddy  
 Kurada Uday Bhaskarsai  
 Mehkant Singh Mittal  
 Pinapotu Sai Kumar  
 Rajeev Kumar Mandal  
 Shailesh Kumar Shakya  
 Shasi Bhusan Nayak  
 Shiwan Shubham Kumar  
 Sourav Sudhakaran  
 Suman Swaraj Mishra  
 Telote Sameer Murlidhar  
 Tryambke Pandey

### **Cryogenic and Vacuum Technology**

Aman Kumar Awadhiya  
 Amruth Saroj A  
 Ashwani Kumar  
 B Raghu Ram  
 Babre Tirtharaj Purushottam  
 Chavhan Pandurang Bapuji  
 Dasari Bramhaiah  
 Gouri Sankar Pattanaik  
 Kiran Sivadas  
 Krishnaraj V  
 Margam Ramprasad  
 Puneet Chauhan  
 Raj Singh  
 Rajeev Kumar Mandal  
 Sanjaya Sena  
 Satyam Rai  
 Seshraj Pratihari  
 Sivasubramaniyan S  
 Tanuj Chauhan

Vijesh K  
Vinit Malik  
Yedhukrishnan P U

## **METALLURGICAL & MATERIALS ENGINEERING**

### **Metallurgical and Materials Engineering**

Akhil M  
Amit Kumar  
Amit Kumar  
Balaboina Ashoktez Ramprasad  
Garwa Sunny Tarachand  
Gokarakonda Veera Venkata Trimurthulu  
Karthik Pramod  
Mithilesh Kumar  
Mohit Vinod Dhokne  
Nitin Jain  
Nityananda Sahoo  
Pankaj Yadav  
Prabhu Prasad Jena  
Pragyan Goswami  
Rudranarayan Kar  
Shivani Nayak  
Shubham Rameshrao Maske  
Sodanapalli Rehaman  
Sudhir Behera  
Vaibhav Chaudhary

## **MINING ENGINEERING**

### **Mining Engineering**

Aditya Vaidya  
Bukka Vivek  
Dipti Ranjan Grahacharya  
Gokul Satheesh  
Gullipalli Manikanta  
Gunjan Negi  
Kadam Mishra  
Kolichalam Raja Shekhar  
Kunal Rungta  
Malothu Naresh  
Nikhil Kumar  
Nitin Kumar Singh  
Nitish Kumar  
Pathuru Suneel Kumar  
Piyush Anand  
Praneeth Kumar D  
Rohit Kumar  
Sarthaka Dutta  
Vanshaj Yadu



## DUAL DEGREE (B. Tech & M. Tech)

### CIVIL ENGINEERING

#### M.Tech in Water Resource Engineering

with

#### B.TECH 1st CLASS

Tanuj Kumar Singh

Sanjay Ganapathi

Sidhanta Kumar Parija

with

#### B.TECH IInd CLASS

Alok Pritis Ekka

### CHEMICAL ENGINEERING

#### M.Tech in Chemical Engineering

with

#### B.TECH HONOURS

Ankit Kumar Ladha

Monali Pradhan

with

#### B.TECH 1st CLASS

Atul Abhisekh Khora

Khewale Samir Arun

Manchoju Makarand

Nishant Mohan Bahuguna

Raksha Marskole

Shivam Chaurasia

Soumik Ranjan Sahoo

### ELECTRONICS & COMMUNICATION ENGINEERING

#### M.Tech in VLSI Design and Embedded Systems

with

#### B.TECH IInd CLASS

Omprakash Suna

#### M.Tech in Communication and Networks

#### B.TECH 1st CLASS

Ashish Pradhan

### ELECTRICAL ENGINEERING

#### M.Tech in Electronic Systems and Communication

with

#### B.TECH 1st CLASS

Nishant Nihar

### CERAMIC ENGINEERING

#### M.Tech in Industrial Ceramics

with

#### B.TECH HONOURS

Ayan Dutta

Munmi Das

with

#### B.TECH 1st CLASS

Ashish Meena

Nithinpruthviraj

Pradhuman Nagar

Pratik Pramanik

Rohan Pathy

#### M.Tech in Power Electronics and Drive

#### B.TECH IInd CLASS

Amresh Kumar Mishra

### METALLURGICAL & MATERIALS ENGINEERING

#### M.Tech in Metallurgical and Materials Engineering

with

#### B.TECH HONOURS

S P Santanu

**with**

**B.TECH 1st CLASS**

Ananya Anurag  
Ginnarapu Shivakrishna  
Gummadi Govardhan  
Palak Bharti  
Pratyush Ranjan  
Sailesh Bhuyan  
Saurav Singh

**with**

**B.TECH 1st CLASS**

Abinash Patel  
Amritesh  
Anup Kumar Sohela  
Kamlesh Kumar Sahoo  
Kumar Adarsh Verma  
Satya Prakash  
Swayamjeet Padhi

**MINING ENGINEERING**

**M.Tech in Mining Engineering**

**with**

**B.TECH HONOURS**

Rohan Kumar Pattanaik  
Swati Kumari

# INTEGRATED MASTER OF SCIENCE

## [WITH BACHELOR OF SCIENCE]

### CHEMISTRY

#### 1ST CLASS

Aditya Singhdeo  
Ajeet Singh  
Arun Kumar Naik  
Harsh Kumar  
Harsh Vardhan Pandey  
Mohd Nomaan  
Roja Ramani Gavara  
Shaktidatta Nanda  
Sweta Kashyap  
Tamanna Harihar Panigrahi  
Vedantham Phalgun

### LIFE SCIENCE

#### 1ST CLASS

Silvash Prasad Mishra  
Smruti Sudha Biswal  
Somesh Gupta  
Sonali Pradhan  
Soumyamitra Sahu

### MATHEMATICS

#### 1ST CLASS

Arijit Singh  
Ganji Sree Harsha  
Kanchi Venkat Sandeep  
Maturi Lakshmi Meghana

Mayur Mahto  
Pradyumna Sharaf  
Priyansh Shukla  
Shubhalaxmi Pradhan  
Suman Kumar  
Umasankar Nayak  
Vemali Dileep Kumar

### PHYSICS & ASTRONOMY

#### 1ST CLASS

Ashish Kumar Patel  
Dinesh Behera  
Gaurav Bonde  
Gupta Bhavesh Arjun  
Harsh Raj  
Kuldeep Bhanja  
Megha Das  
Prakriti Mishra  
Priyanshu Panda  
Pulak Chandra Patra  
Rupesh Mahore  
Sambeet Kar  
Shailesh Kumar  
Shreekrushna Mishra

## MASTER OF SCIENCE

### APPLIED GEOLOGY

#### FIRST CLASS

Aman Emanuel Hasda  
 Amlan Mohapatra  
 Aniket Singh  
 Anish Kumar Tiwari  
 Anup Jena  
 Arnab Ghosh  
 Ashok Kumar Barik  
 Ashutosh Sahu  
 Bhagyashree Mohanta  
 Bikash Ranjan Mahanta  
 Biswabandita Nayak  
 Chandrasekhar Baral  
 Debashish Kanungo  
 Debasish Sethy  
 Deepayan Rout  
 Dhrutikam Jena  
 Ghoke Ankita Pandurang Asha  
 Ishani Lenka  
 Krishna Kumar Purty  
 Lokita Parmanand Patle  
 Mamali Sahoo  
 Mayuresh Dhananjay Joshi  
 Monalisa Behera  
 Nalini Kanta Swain  
 Sagar Ranjan Satapathy  
 Sourav Kumar Giri  
 Sudipta Bal  
 Surender Pal  
 Tanmay Kumar Mohanta  
 Tanmay Kumar Palei  
 Vaibhav Tanwar  
 Vikas Kumar Dwivedi

### ATMOSPHERIC SCIENCE

#### FIRST CLASS

Achintya Singh  
 Aditya Sengupta  
 Alpana C Shekar  
 Anjali Tripathi  
 Debjyoti Roy  
 Hamsaa S K  
 Nirvan Abhilash  
 Spandita Mitra

### CHEMISTRY

#### FIRST CLASS

Abhinash Maharana  
 Aditi Sharma  
 Aditya Kesharwani  
 Amardeep Jyotiranjana  
 Ariharasudhan. R  
 Bhagyadhar Palei  
 Bibhu Prasada Jayasingh  
 Bikash Mahapatra  
 Chauhan Vimal Narendra Kanti  
 Chinmayee Gardia  
 Golokesh Sahoo  
 Harapriya Behera  
 Ipsita Maji  
 Khan Suraiyya Khatoon Hafizurrehman  
 Azizunnisa  
 Love Kush Singh  
 Milind Kumar Anand  
 Nadar Thangasuguna Soundarajan Anbarasi  
 Pratap Kumar  
 Prativa Patra

Prayagraj Singh  
 Radha Kumari Pani  
 Rajesh Kumar Sethi  
 Rashmita Sahu  
 Ravi Khangar  
 Rohit Kumar Yadav  
 Sangam Jha  
 Satyabrata Sahoo  
 Mishra Satyam Arunkumar Kusum  
 Sreerag M  
 Sunaina Kumari  
 Umang Hembram

### **LIFE SCIENCE**

#### **FIRST CLASS**

Akanksha Bhardwaj  
 Akash Kumar  
 Akhilesh Kumar Mishra  
 Alaka Sahoo  
 Amartya Saha  
 Anjali Sharma  
 Ankita Rai  
 Anu Bala  
 Bhavuk Gupta  
 Deeksha Yadav  
 Gajanan Murlidhar Sonvane  
 Himanshi Gupta  
 Indrajit Dutta  
 Madhushmita Dhurua  
 Nabamita Halder  
 Neha  
 Nitish Kumar Mohanta  
 Pooja Verma  
 Priyanka Jangid

Rakesh Kumar Bhue  
 Ranadeep Das  
 Rishabh Dujrai  
 Riya Ranjan  
 Sayed Mohamad Safwan  
 Sumit Sarkar  
 Triveni Shelke  
 Yatin Saneja

### **MATHEMATICS**

#### **FIRST CLASS**

Akash De  
 Amrit Kumar  
 Arpita Raj  
 Bhaktabandhu Sahoo  
 Biswanath Barman  
 Buddhadeba Sahu  
 Haradhan Dutta  
 Jyotirmay Das  
 Kaifi Azmi  
 Kajal Rani  
 Krishna Prasad Sharma  
 Pawan Meena  
 Rakesh Pradhan  
 Rohan Das  
 Sakshi Kumari  
 Saloni Kumari  
 Samapti Pratihari  
 Samarjit Dalai  
 Sambit Kumar Sahu  
 Sanjul Mishra  
 Seemarekha Sahoo  
 Sharma Gaurav Ramgopal  
 Shilpa Dey

Shivansh Patwari  
Subha Halder  
Suman Kumari  
Tuhin Subhra Mahato  
Vikrant Kumar

## **PHYSICS**

### **FIRST CLASS**

Abhirami A  
Anwesha Padhi  
Athul K P  
Bapujibiswajit Pradhan  
Chawan Vijay Shersingh Manju  
Chittaranjan Palei  
Dhananjay Rawani  
Himanshu Verma  
Jasin K

Jyotirmay Sahoo  
Khitish Kumar Rout  
Lipsarani Biswal  
Nitish Kumar Rajbhar  
Pradosh Behera  
Satyam Verma  
Souhardya Sen  
Soumyaranjan Sahoo  
Sourav Pal  
Sruti Satyasmita  
Sugyan Parida  
Tapan Kumar Sahoo  
Vipul Sharma

### **SECOND CLASS**

Ajay Kumar Tete  
Itishree Murmu  
Malay Bepari



## MASTER OF ARTS IN DEVELOPMENT STUDIES

### FIRST CLASS

Ananya Rath  
 Ashmita Sengupta  
 Bikash Kumar Nayak  
 D M Sarthak  
 Deepaprabha P P  
 Deepak Gupta  
 Jaiswal Dhiraj Champalal  
 Lekharaju V N S S Chaitanya  
 Megha Mishra  
 Miss Kalluri Naga Vaishnavi  
 Oindrila Adhya

Ponnoju Kiran  
 Rishi Ka Sengupta  
 Rituja Guha  
 S.d Swagata Satprem  
 Saarthak  
 Sachin Kumar Singh  
 Simran Chhotray  
 Sojov George  
 Sunurani Panda  
 Thiyam Henthoiba Singh  
 Thota Saketh  
 Vidya Vinod

## MASTER OF BUSINESS ADMINISTRATION

### FIRST CLASS

Abhishek Kumar Bhanu  
 Aditya Menon  
 Aditya Singh  
 Ankit Kumar Panda  
 Ankit Routray  
 Apoorva Pallai  
 Atul Anurag  
 Basta Beshra  
 Bhagyashree Bhabana Patel  
 Divyangana Raj  
 Eshani Sinha  
 Kautuk Singh  
 Lalatendu Kesari Mohanty

Nivedita Mohanty  
 Prachurjya Swain  
 Priya Darshan Sahoo  
 Sahil Kumar Rout  
 Saswatee Das  
 Satyajit Rout  
 Shirsha Choudhury  
 Shounak Dash  
 Shruti Ramsaha  
 Sourajita Ping  
 Sujana Pandeya  
 Suvendu Kumar Jena  
 Vivek Kumar Bardhan

## BACHELOR OF TECHNOLOGY

### BIOMEDICAL ENGINEERING

#### HONOURS

Abhipsa Senapati  
Chiranjit Das  
Jainam Varma  
Nirbighna Shaw  
Prithu Prasad  
Riya Titus  
Pritimayee Senapati  
Rudra Prasad Dash

#### FIRST CLASS

Aditya Narayan Pattanaik  
Arjun N. S  
Challa Vamshikrishna Yadav  
Debabrata Panigrahi  
Godipally Shiva Kumar  
Konni Vidya Sagar  
Kumar Abhishek  
Lachiredy Pranitha  
Lawand Atharva Satish  
Mohd Sameer  
Mohammed Niyas K K  
Monalisha Mallick  
Muhammed Farsa M  
Paromita Sarker  
Raja Ram  
Rathod Rohit  
Saswat Mishra  
Shyam Sundar Padhan  
Syed Saif Alam  
Tamada Nitish Kumar

### BIOTECHNOLOGY

#### HONOURS

Abhishek Samantaray

Archita Shrivastava  
Ghanshyam Kumar  
Karishma Sultania  
Karttik Mahapatra  
Paidi Ganga Bhavani  
Rashi Singh  
Surya Prakash Mohanty

#### FIRST CLASS

Ananya Rout  
Bhukya Saivarrun  
Biswajit Sena  
Deepak Raj  
Devendra Paliwal  
Gadde Lakshman Pavan Kumar  
Jashobanta Bhoi  
Prachi Tanaya Praharaj  
Pradumya Singh Rajawat  
Sadhana Lohar  
Saurabh Mishra  
Shyamala Karthik  
Soumyaranjan Naik  
Subhrajyoti Sankar Sau

#### SECOND CLASS

Hemananda Sardar

### CERAMIC ENGINEERING

#### HONOURS

Namrata Nayak  
Nihar Ranjan Mohanty  
Rajesh Kumar Sahu  
Shiba Sankar Dash  
Sidhant Mahapatra  
Somdeb Ganguly  
Suraj Bhan Singh

**FIRST CLASS**

Abhishek Kumar Meena  
 Achint Sarbajeet Bishoyi  
 Amartya Kumar Das  
 Ankita Banerjee  
 Asish Kumar Nayak  
 Bimal Barick  
 Birendra Nag  
 Biswajit Choudhury  
 Biswajit Kalo  
 Chandra Mouli P  
 Debabrata Panda  
 Ekta Kumari  
 Kondapalli Navya  
 M Lakshmi  
 Nambari Ghanshyam  
 Nirupama Atty  
 Pankaj Agarwal  
 Polukonda Chinmaya  
 Putcha Manikanta  
 Rishab Agarwal  
 Sanket Kumar Dani  
 Somya Ranjan Patra  
 Suman Yadav  
 Thanseer Jarshan. A  
 Vetchangi Gurunadh  
 Yash Hemnani

**SECOND CLASS**

Animesh Kumar

**CHEMICAL ENGINEERING****HONOURS**

Abhisek Agarwal  
 Aditya Narayan Swain  
 Aman Gupta  
 Aman Kumar Sahoo  
 B Srinath Achary

Basudev Sethi  
 D.v.mohit Madhav Rao  
 Dheeraj Kumar Matania  
 Gokulakannan S  
 Kanishk Singh  
 Karan Dubey  
 Mohit Kumar Mohapatra  
 Om Prakash Khuntia  
 P Pritesh Kumar Patro  
 Prateek Gupta  
 Ritika Agarwal  
 Sachin K Rao  
 Safalya Vedant Routray  
 Saumya Sinha  
 Shritik Raj Awadhiya  
 Sibasish Panda  
 Soumya Ranjan Dash  
 Sridhar Mishra  
 Srivastava Shreya  
 Telrandhe Vedant Mohanrao  
 Vishal Rana

**FIRST CLASS**

Alok Kumar Barik  
 Aman Kumar Goel  
 Bathula Venkata Sai Jaswanth  
 Berin Biju Chandy  
 Bujja Vinay  
 Chopde Ritik Gajanan  
 Desh Deepak Singh  
 Dharshanam Chakri  
 Falguni Majhi  
 Ganta Bhanu Teja Sreedhar  
 Jamesh Vilas Bomble  
 Kappala Sai Kumar  
 Komal Kumari  
 Kruti Saikia  
 Pabitra Ranjan Das

Parul Prakash Rath  
 Prasanta Kumar Behera  
 Sanjukta Sarkar  
 Siba Prasad  
 Siddaboena Laxmi Venkata Sai  
 Subhabrata Behardalai  
 Subhransu Kumar Panda  
 Suraj Kumar  
 Tembhurkar Shruti Kusan  
 Wahane Sahil Balraj

**CIVIL ENGINEERING  
 HONOURS**

Abhilash Priyadarshi Badhai  
 Aman Kumar Samal  
 Anjit Jain  
 Aparajita Mahapatra  
 Armandev Puhan  
 Ayush Arpan Kumar  
 Bhoopendra Shakywar  
 Chandan Kumar  
 Dibyajyoti Sritam  
 Imandi Lohit Babu  
 Jilu Kumar Swain  
 K Aditya  
 Kalupathirannehelage Thusira Pramod  
 Kalupathirana  
 Mrutyunjay Patra  
 Ritik Purohit  
 Rohan Kumar Patel  
 Satyam Dewangan  
 Saurav Sahoo  
 Siddhant Panda  
 Siddharth Singh  
 Srujan Dash  
 Subham Das  
 Subhra Priyadarshinee  
 Subhrajeet Pattnaik

Suvransu Sekhar Panda  
 Tutika Kavya  
 Utkarsh Mishra  
 Vaibhav Singh

**FIRST CLASS**

Aditya Kumar Mandiwal  
 Akanksha Shivanee  
 Anshuman Moharana  
 Ashutos Mahapatra  
 Ayush Negi  
 Bandaru Vidhyadhari  
 Bhawana Nahata  
 Chatraboina Venkatesh  
 Gyanasagar Dalai  
 Hamidullah Farhang  
 Jashaswi Jena  
 K.rajakumari Varsha  
 Kawang'u Lukama  
 Koustav Kumar  
 Malladi Rama Ganapati Kartikeya  
 Manthina Sriram Varma  
 Muhammed Safwan C.p  
 Mura Mudalige Unila Keshan Wijayasena  
 Niki Rohidas  
 Nilesh Majhi  
 Nisanta Bhatta  
 Pitabasha Baral  
 Pitawala Kankanamage Vihanga Madusha  
 Senevirathne  
 Prajwal Kumar  
 Ranjeet Singh  
 Rishabh Kotadiya  
 Sanjay Dudi  
 Satyadip Mahapatra  
 Soumya Ranjan Sahoo  
 Sudesh Kumar Rajak  
 Surendra Yadav

Swadhenshree Sahoo  
Tarun  
Yajjala Lakshmi Prasanna  
Zibran Ahmed Zubair Ahmad

## **COMPUTER SCIENCE AND ENGINEERING**

### **HONOURS**

Aakash Padhy  
Abhisek Mahapatra  
Aditya Kumar Pandey  
Aditya Singh Bhadoriya  
Alen Thankachan  
Aman Rath  
Ankit Kumar Sahoo  
Anshuman Padhy  
Anwesha Nayak  
Aravind Arul  
Arijeet De  
Arijeet Mohanty  
Aritri Priya Saha  
Ashish Kumar Meher  
Ashish Tigga  
Ashutosh Nayak  
Asutosh Mohanty  
Aushish Roy Pentapaty  
Budhuri Aashish  
Eluri Bhanu Prasanna  
Eshan Mukeshbhai Patel  
Harsh Rungta  
Jay Sharma  
Koushik Sahu  
Kulabanta Jagdala  
Maddileti Saiteja  
Manjil Kumar Choudhury  
Md Tariq Arshad Barbhuiya  
Mohit Kumar Swain  
Mrityunjay Jha

Oshin Agrawal  
Palli Newton Babu  
Pamujula Dhanush  
Pinisetty Santosh  
Pradyumna Kumar Naik  
Prajnashu Dehury  
Pranay Anand Chigullapally  
Pratik Priyadarsan  
Rahul Kumar Gupta  
Ritik Parida  
Rohan Krishna Ullas  
Roshan Kumar Sahu  
Samrudha Ganvir  
Sanat Kumar Panda  
Sarpate Amey Dileep  
Saumya Rawat  
Sharma Deepshri Sanjay  
Simran Deep Singh Thakral  
Somya Swarya Naik  
Soumyashree Patra  
Souvik Suvadarsi  
Srilipta Swain  
Subham Sai Behera  
Subham Sarat Swain  
Subhasish Barik  
Sudhansu Sekhar Swain  
Sushil Sekhar Satapathy  
Sushree Samapika  
Swapna Bindhani  
Swaraj Pradhan  
Vinukonda Venkata Sai Charan  
Vishvesh Muthu  
Yash Yadav  
Yerram Ramakoti Reddy

### **FIRST CLASS**

Aashish Nagraj Biradar  
Ajay Choudhary

Amish Anand  
 Ashiqullah Yousufi  
 Battu Pranay Venkat  
 Biswaranjan Behera  
 Brajesh Parija  
 Dala Vaishnavi  
 Deepak Kumar Sial  
 Deepesh Kumar Rai  
 Divyanshu Deep Behera  
 Faizan Akhtar  
 Gaurav Kumar Gautam  
 Gosangi Gunadeep  
 Gurram Amulya Reddy  
 Harsh Bhudolia  
 Kankana Duttachowdhury  
 Lavadiya Lokesh Naik  
 Makalimo Makhoa  
 Mallula Radha Prasanthi  
 Maniga Srinivas  
 Manish Kumar Sarangi  
 Manoj Kumar Behera  
 Md. Shakil Khan  
 Nelaparathi Sree Venkatesh  
 Nilesh Kumar  
 Niraj Kumar Shah  
 Nishit Kumar Barik  
 Partha Pratim Sahu  
 Prabhat Kumar Sahani  
 Pratyush Mohanty  
 Pritam Kumar  
 Rahul Rathi  
 Rishabh Roshan Malik  
 Roe Gomango Christanjeet  
 Sahil Agrawal  
 Sai Prajeeth Koppula  
 Samarasekara Liyanage Dinithi Thathsarani  
 Samrendra Barick

Sangawar Srushti Sunil  
 Satyam Binayak Dash  
 Sayed Fahim Ali Dawdye  
 Sheshank Gupta  
 Shubham Kumar Singh  
 Smruti Sucharita Nath  
 Sonali Dalai  
 Sri Raviteja Mallela  
 Srimay Ray  
 Velagala Siva Ramakrishna Reddy  
 Vivek Prasad Dalbehera  
 Vyshnav Dangeti  
 Wanasinha Arachchige Madusara Lakshan  
 Jayawardana  
 Yanglesh Jaiswal

### **SECOND CLASS**

Sidhanta Pradhan

### **ELECTRONICS AND COMMUNICATION ENGINEERING**

#### **HONOURS**

Aatreya Shashwat De  
 Aditya Tripathi  
 Amrit Sahani  
 Ananya Sahoo  
 Anshu Lodha  
 Ayush Agrawal  
 Boddapati Sri Satya Ram Charan  
 Dedhia Ankit Chetan  
 Deepak Suthar  
 G V R Kartik  
 Gorikapudi Sri Ramya  
 Ishaan Desai  
 Karri Vinaykumar  
 Kunal Somendra Singh  
 Moyya Deepika  
 Niladri Podder



Prem Kadim  
Prithwiraj Dey  
Purneswar Prasad  
Risita Jena  
Satyajit Raiguru  
Settipally Harshitha  
Suchismita Sahoo

### **FIRST CLASS**

Abhishek Sawadia  
Amlesh Prusty  
Aniket Khatua  
Ashutosh Das  
Ayushi Pradhan  
Dibyadarshini Behera  
Dusmanta Kumar Nayak  
Gaurav Rajkumar Lakhani  
Gorripati Bala Praveen  
Heenetimullage Don Suthira Mandula  
Heenetimulla  
Hettikankanamge Ranga Nirmana Perera  
Jeyarajah Jegatheeswaran  
Maddirala S N V S K Ganapathi Sastry  
Maskapuri Sanjeeth  
Mukesh Kumar Banjare  
Nihal Nassar  
Niraj Prasad Yadav  
Niranjana Hariharan  
Partha Sarathi Sahoo  
Priya Meena  
R Jyothi Kishore  
Rhtyhm Bhattacharjee  
Sachin Yadav  
Saswat Jyoti Prakash  
Satyamshree Moharana  
Sidhant Ray  
Sindhuja Wickhyathi Madanayake  
Smruti Sitikanta  
Sohan Kumar Panda  
Tharmarajah Ajantharajah

### **ELECTRONICS AND INSTRUMENTATION ENGINEERING HONOURS**

Aditya Sharma  
Ajita Shri  
Ashish Das  
Ashish Mohapatra  
Bibhash Pran Das  
Heramba Panda  
Imran Wahid  
Ishu Goyal  
Kanike Keerthana  
Kiran Kumar Dash  
Kunal Patel  
Magna Mishra  
Mrutyunjay Biswal  
Naman Agrawal  
Omm Prasad Sahu  
Prabhudatta Mohapatra  
Pratik Ranjan Raul  
Rishikesh Lakra  
Saloni  
Shubhen Shekhar Behera  
Sorav Gupta  
Sriniketh S

### **FIRST CLASS**

Abhinav Kumar Rai  
Alock Kumar Jena  
Amlana Pattnayak  
Aniket Das  
Ankita Sahoo  
Biraja Shankar Singh  
Debakanta Jena  
Debarun Das  
Deep Prabhat Tirkey  
Dipti Ranjan Sahoo  
Girish Chouhan D

Marlapati Yuvaraj  
 Mittapelli Anoop Kumar  
 Payal Pralhad Kamble  
 Prasanjit Maharaj  
 Pulijala Shanmuka Chaitanya  
 Rahul Kumar  
 Rithik Devendran  
 Sahoo Satyaranjan Bishnupada  
 Shashank Ojha  
 Smruti Prava Sahoo  
 Sruti Singh  
 Tusar Kuldip  
 Yash Kumar Jain

**ELECTRICAL ENGINEERING  
HONOURS**

Amrit Anwesh  
 Anshuman Chand  
 Aradhana Gupta  
 Arijit Roy  
 Arnab Paikaray  
 Arunav Sharma  
 Arya Jaiswal  
 Ashutosh Samal  
 Ayush Kumar  
 Biswajit Jagadev  
 Biswajit Mishra  
 Biswajit Pattanaik  
 Biswatilam Sahu  
 Chetan Sarawgi  
 Debi Prasad Sen  
 Dheeraj Kumar Sharma  
 Girish Kumar Sharma  
 Gudla Sai Kiran  
 Kanchada Santanu Sekhar Senapati  
 Komal Trishna Behera  
 Laxmi Jain

Mahesh Prasad Pati  
 Md Shamsad Shams  
 Prateek Kumar Mahapatra  
 Pritish Kumar Pradhan  
 Sambit Subhankar Swain  
 Sankalpa Hota  
 Shakti Swaroop Nayak  
 Shreeyanshmaan  
 Sibasis Sahu  
 Smruti Sikha Panigrahi  
 Sriram Prasad Sahoo  
 Sunil Burdak  
 Swagat Kumar  
 Swagatika Biswal  
 Ujwal Kumar Gupta  
 Vedante Abhishek Prafull  
 Yarra Dharani

**FIRST CLASS**

Amit Kumar  
 Ananga Truptiraj Tarei  
 Ananthi Kanthimathi Nathan  
 Ankita Kishan  
 Annie Johnson Porattoor  
 Anshu Agrawal  
 Arveti Manjunath  
 Aswini Kumar  
 Auro Kumar Sahu  
 Bathula Sai Kumar  
 Batulla Manish Prasad  
 Bereket Getnet Agumas  
 Bhabani Sankar Kishan  
 Bikash Swarup Bidyasagar Singh  
 Billa Nikhil Reddy  
 Birendra Baral  
 Chennaboina Hiranmai  
 Divyanshu Meshram

Harsh Singh  
 Ishan Bhoi  
 Kumar Ranjan Kamila  
 Manorma Kumari  
 Mehul Kumar  
 Meyank Mohapatra  
 Mohammad Khalid Darwish  
 Mohammad Zafar Khan  
 Mushkara Sai Prakash  
 Nadeem Hussain  
 Ndonga Peter  
 Niranjan Kumar  
 Nishith Gunjan Behera  
 Om Singh  
 Pema Tobden  
 Prabhat Kumar Pradhan  
 Prince Kumar  
 Pritish Kumar Behera  
 Purnok Das  
 Raj Aaryaman Patra  
 Rajashree Rajalaxmi  
 Rama Chandra Sahu  
 Ramakanta Sahu  
 Rudradev Baghel  
 Sandip Mohapatra  
 Shivohm Tripathy  
 Siddharth Soren  
 Sidhartha Sekhar Kutruka  
 Soumyadeep Sinha  
 Sudeep Kumar  
 Swati Mallick  
 Tarun Kanti Xaxa  
 Tashi Nidup  
 Teddu Deep Sai Anu Tej  
 Tshewang Tashi  
 Vedant Raghuwanshi  
 Vemana Aditya Bunny

Yenna Sai Ram Reddy  
 Yennubarla Venkatesh

### **SECOND CLASS**

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 Aman Kumar Sharma  
 Harenda Kumar  
 Madhu Sudan Barman  
 Mohammad Sadiq Zarify  
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### **FOOD PROCESS ENGINEERING**

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 Apoorva Singh  
 Devisree Anusha Bikkina  
 Ishita Bhatnagar  
 Kumar Jyotiranjana Pradhan  
 Nikhil Sahoo  
 Prabhakar  
 Raghav Sharma  
 Rahi Golani  
 Sampad Kumar Sahoo  
 Shuvam Mohapatra  
 Snigdharani Padhy  
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 Ajay Menon  
 Deepankar  
 Jatin Kataria  
 Khalid Shamim  
 Muhammed Aflah  
 P R Pravasi  
 Pallavi Kumbha

Purusottam Das  
 Sabavath Naveen  
 Siddhant Chhatria  
 Suhas Vedala  
 Sunil Oram  
 Swastik Padhy  
 Tekumudi Sree Siva Priya

**INDUSTRIAL DESIGN  
HONOURS**

Ankit Kumar Samota  
 Ayush Kumar Gupta  
 Bhawik Kothari  
 Debabrata Malik  
 Ekta Sharma  
 Golagana Akshaya  
 Kandada Nanda Kumar  
 Kanheiya Sharma  
 Sai Shree Chandan  
 Sai Swarup Mohanty  
 Saumyajeet Mohanty  
 Siddharth Chauhan  
 Smithraj Karna  
 Soumya Sekhar Pradhan  
 Soutrik Mukherjee  
 Sreelekha S

**FIRST CLASS**

Abhishek Subudhi  
 Amiya Ranjan Sethi  
 Dosala Divij  
 Gundlapally Nanda Kishore  
 Ongja Emphum  
 Pinapatruni Sowmya  
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 Ramdhan Rabha

Rishikesh Pandey  
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HONOURS**

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 Maldeniya Arachchige Don Sachintha Banuka  
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 Shuaib Hussain  
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 Srinibash Sahoo  
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 Subham Mohapatra  
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 Sunil Banshiar Mohanta  
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 Sushreema Behera  
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 Kumar Prateek Swain  
 L Sreenath  
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 Mowafag Nazar Ali Ahmed  
 N Soundarya  
 Neelam Sreeja  
 Nidhi Tilanthe  
 Nikhil Madhu  
 Norbu Tshering  
 Palli Jaya Chandra  
 Paluri Vamsi Kiran  
 Parsure Balaji Shankar  
 Pinninti Ravindra  
 Pranjali Kumar  
 Priyanshu Hissaria  
 Raghav Sharma  
 Rajen Sutradhar  
 Reekesh Kumar Lall  
 Rishu Roy  
 Sayantan Malladeb  
 Shreeyank Singhvi  
 Sibasish Polai  
 Sobli Kumari  
 Ungati Ramu  
 Vasupalli Sai Suraj  
 Venkata Appala Nikhil Pappu

**METALLURGICAL AND MATERIALS  
ENGINEERING**

**HONOURS**

Abhinav Roy  
Abikshyana Bhoi  
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Anchal Panigrahy  
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Suman Acharya  
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Supratim Dey  
Tanaya Sahoo  
Tapashree Pradhan  
Thota Sai Teja  
Vishal Gupta

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Ashwani Kumar Singh  
Baishakh Mishra  
Baishnaba Kumbhar  
Bhargavi Badipati  
Biswajeet Prusty

Biswajit Kongadi  
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Ghanashyam Rohidas  
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Krishan Kumar  
Kudimi Achuth Reddy  
Mridul Totla  
Pathlavath Sunil  
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Piyush Gupta  
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P Pradeep  
Ramakant Biswakarma  
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Sambit Kumar Bhuyan  
Shahu Subhash Narayan  
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Soumya Ranjan Behera  
Sudhansu Sekhar Choudhury  
Sumit Kumar  
Thangavel Lokesh  
V Akanksha  
Varada Naga Manikanta

**MINING ENGINEERING**

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Anshuman Patel  
Bhakti Prasad Padhiary  
Bonthu Eshwar  
Debasish Mishra  
Diwakar Vishwakarma  
Korada Venkata Sravanth  
Mrityunjay Mohanty  
Sakshi Kumari  
Sandeeptha Sahoo  
Saurabh Agrawal



Shiba Prasad Khuntia  
Smit Kumar  
Subhangi Srivastav  
Tanmaya Ping

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Aman Singh  
Aravind Naidu Geddavalasa  
Chakrapani Mangalyara  
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Katravath Vijay Nayak  
Pritismita Behera

Puneet Raj  
Saswat Singh Samanta  
Satyabrata Behera  
Saurav Kumar Das  
Sourav Kumar Das  
Sudeshna Pal  
Suraj Rai  
Swadhin Kumar Kar  
Uttam Chouhan  
Vatsal Bhatt

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Pritam Kumar Acharya

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Prajna Priyadarshinee Jena  
Rajdeep Saha  
Shameem Ali K P

Kurada Sharmila Dharani  
Musini Divya Sai  
Ritika Gupta  
Rohit Kumar  
Singupuram Kiran Kumar  
Smita Surin

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Bibek Das Mohapatra  
Chaparala Naveen Kumar  
Devadathan M

Swarup Kumar  
Veesam Mounika  
Vishnu Teja Gudelli



## राष्ट्रीय प्रौद्योगिकी संस्थानम् राउरकेला

### दीक्षांत - प्रतिज्ञा

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

विविध वैषयिक स्नातकाभियांत्रिकभावेन परमनिष्ठाया 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

### PLEDGE

We the students of the National Institute of Technology Rourkela graduating in the year 2022, 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 alma mater."



# *Medals & Swards*

## XX Convocation

### WINNERS OF INSTITUTE GOLD MEDALS



**SIMRAN DEEP SINGH THAKRAL**

Gold Medal for the Best Graduate  
(B.Tech and B.Arch.)



**MANISH GADIKAR**

Gold Medal for the Best Postgraduate  
(M.Tech.)



**ADITYA MENON**

Gold Medal for the best Postgraduate  
(MBA)



**SHREEKRUSHNA MISHRA**

Gold Medal for the best Postgraduate  
with Integrated M.Sc Degree



**HAMSAA S K**

Gold Medal for the best Postgraduate  
(2 Yr M.Sc. and MA)



**SWATI KUMARI**

Gold Medal for the best Postgraduate  
with Dual Degree B.Tech and M.Tech.





# DISTINGUISHED ALUMNUS AWARD 2022

## Academic and Research



**Prof. Bhallamudi Ravi**

1986, Mechanical Engineering Head of Desai Sethi  
School of Entrepreneurship, IIT Bombay.



**Prof. Pinakeswar Mahanta**

1985, Mechanical Engineering  
Director, NIT Arunachal Pradesh.



**Prof. Laxmidhar Behera**

1988, Electrical Engineering  
Director, IIT Mandi, Himachal Pradesh.



**Prof. Nikunja Swain**

1977, Electrical Engineering  
Chair and professor of Computer Science and  
Mathematics at SCSU, United States of America.

## Industry and Management



**Shri. Atanu Bhowmick**

1988, Metallurgy Engineering  
Director In Charge of Rourkela Steel  
Plant, Rourkela



**Ms. Prativa Mohapatra**

1992, Computer Science &  
Engineering  
Managing Director of Adobe, India.



**Rear Admiral Sanjay Chaubey  
(Retd.)**

1985, Electrical Engineering  
Chairman and Managing Director,  
Electronics Corporation of India Ltd,  
Hyderabad



**Shri Lalit Das, IPS**

1986, Metallurgical and Materials  
Engineering  
CMD of Odisha Police Housing  
Corporation, Govt of Odisha.

## Entrepreneurship and Public Life

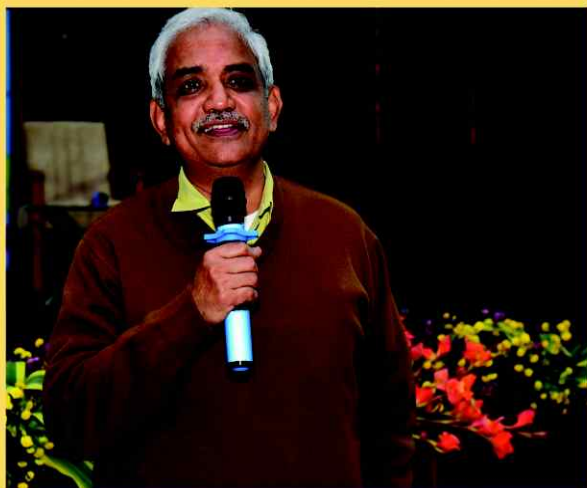


**Dr. Surya Narayan Sahoo**

1985, Chemical Engineering  
Owner of, ZignEx, Inc in US and ZignEx India pvt.Limited in India.  
Texas, United States of America



# GLIMPSES OF DIAMOND JUBILEE GLOBAL ALUMNI MEET-DEC 28-30, 2022





## INSTITUTE BRANCH TOPPERS

### 1. UNDERGRADUATE COURSES (B. TECH)

Biomedical Engineering	: PRITIMAYEE SENAPATI
Biotechnology	: ABHISHEK SAMANTARAY
Civil Engineering	: SIDDHARTH SINGH
Chemical Engineering	: ABHISEK AGARWAL
Ceramic Engineering	: SURAJ BHAN SINGH
Computer Science and Engineering	: SIMRAN DEEP SINGH THAKRAL
Electronics and Communication Engineering	: PRITHWIRAJ DEY
Electrical Engineering	: MAHESH PRASAD PATI
Electronics and Instrumentation Engineering	: MAGNA MISHRA
Food Process Engineering	: NIKHIL SAHOO
Industrial Design	: SOUTRIK MUKHERJEE
Mechanical Engineering	: ARCHIT NABARIA
Metallurgical and Materials Engineering	: PRIYOJEET DASH
Mining Engineering	: ANSHUMAN PATEL

### 3. B.TECH & M. TECH. DUAL DEGREE

Chemical Engineering	: MONALI PRADHAN
Industrial Ceramic	: AYAN DUTTA
Mining Engineering	: SWATI KUMARI

### 4. POST GRADUATE COURSES

#### M. Tech.

#### *Department and Specialization Topper*

#### **Biotechnology and Medical Engineering**

Specialization : Biomedical Engineering	: MRIDUL VERMA
Specialization : Biotechnology	: SHATABDI KALPITA NANDA

#### **Civil Engineering**

Specialization : Geotechnical Engineering	: MANGARAJU JYOTSNA
Specialization : Structural Engineering	: MANISH GADIKAR

Specialization : Transportation Engineering : ANIK BARAT  
 Specialization : Water Resources Engineering : EKANT SARKAR

### **Chemical Engineering**

Specialization : Chemical Engineering : ADITI SATRUPA  
 Specialization : Energy & Environmental Engineering : M APARNA

### **Ceramic Engineering**

Specialization : Industrial Ceramics : ALOK SUMAN

### **Computer Science Engineering**

Specialization : Computer Science : SHEETAL AGARWAL  
 Specialization : Information Security : APRAJITA CHHAWI  
 Specialization : Software Engineering : HRISHABH SONI

### **Electronics and Communication Engineering**

Specialization : VLSI Design and Embedded Systems : VANCHA SHARATH REDDY  
 Specialization : Electronics and Instrumentation Engineering : SACHIN MISHRA  
 Specialization : Communication and Networks : DEBMALYA GHOSH  
 Specialization : Signal and Image Processing : SUSHIL KUMAR  
 Specialization : Microwave & Radar Engineering : AMRUTHA SUBRAHMANNIAN

### **Electrical Engineering**

Specialization : Electronic Systems and Communication : VADDADI SREE VAMSI  
 Specialization : Control and Automation : SHREETAM NAIK  
 Specialization : Power Electronics and Drives : SUBHAPRIYA JOARDER  
 Specialization : Power Systems Engineering : KHIRATKAR ANJALI RAMKRUSHNA

### **Earth & Atmospheric Sciences**

Specialization : Atmosphere & Ocean Science : S HARIPRIYA

### **Food Process Engineering**

Specialization : Food Process Engineering : PIYUSH SHARMA

### **Industrial Engineering**

Specialization : Industrial Design : SHARAT PANDEY

### **Mechanical Engineering**

Specialization : Machine Design and Analysis : SHABBIR HUSSAIN SHARIF  
 Specialization : Production Engineering : SOUMYA RANJAN PRADHAN

Specialization : Thermal Engineering : SOURAV SUDHAKARAN

Specialization : Cryogenic and Vacuum Technology : MARGAM RAMPRASAD

### **Metallurgical and Materials Engineering**

Specialization : Metallurgical and Materials Engineering : SHUBHAM RAMESHRAO MASKE

### **Mining Engineering**

Specialization : Mining Engineering : ROHIT KUMAR

## **5. INTEGRATED MASTER OF SCIENCE**

Chemistry : SWETA KASHYAP

Life Science : SOMESH GUPTA

Mathematics : MATURI LAKSHMI MEGHANA

Physics : SHREEKRUSHNA MISHRA

## **6. MASTER OF SCIENCE**

Applied Geology : LOKITA PARMANAND PATLE

Atmospheric Sciences : HAMSAA S K

Chemistry : SANGAM JHA

Life Science : INDRAJIT DUTTA

Mathematics : SAMAPTI PRATIHAR

Physics : SUGYAN PARIDA

## **7. MASTER OF ARTS**

Development Studies : LEKHARAJU VNSS CHAITANYA

## ENDOWMENT GOLD MEDALS

<b>Prof. S. C. Naik Gold Medal</b> (Best Graduate in Chemical Engineering)	: ABHISEK AGARWAL
<b>Shri Kamakshi Prasad Panda Gold Medal</b> (Best Graduate of Electrical Engineering)	: MAHESH PRASAD PATI
<b>Dr. Bansidhar Panda Gold Medal</b> (Best Graduate of Metallurgical & Materials Engineering)	: PRIYOJEET DASH
<b>Prof. Ramesh Chandra Behera Gold Medal</b> (Best Engineering Post Graduate of the Institute)	: MANISH GADIKAR
<b>Snigdhashri Patra Memorial Gold Medal</b> (Best Ph.D. Thesis of 2021-22)	: SUMANTA SAHU

## ENDOWMENT AWARDS

### AWARDS

<b>Saurav Ranjan Kar Memorial Award</b> (Best Graduate of the Institute)	: SIMRAN DEEPSINGH THAKRAL
<b>Pranab Memorial Award</b> (Best Graduate of Mechanical Engineering)	: ARCHIT NABARIA
<b>Bunty Memorial Award</b> (Best Engineering Graduate of the Institute)	: SIMRAN DEEPSINGH THAKRAL
<b>Sugat Kishore Mall Memorial Award</b> (Best Graduate in Electrical Engineering)	: MAHESH PRASAD PATI
<b>Prof. Amrit Kumar Paul Memorial Award</b> (Best Student Research Scholar : 2022)	: ABHISHEK KUMAR KASHYAP



# About NIT Rourkela

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Fax : 2472926/2462022  
Email : director@nitrrkl.ac.in

**PADMASHREE N. R. MOHANTY**

Ex-Chairman, HAL  
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Joint Secretary (NITs)  
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**MS. LEENA JOHRI**

Additional Secretary & Financial Advisor  
Ministry of Education (Shiksha Mantralaya),  
Government of India  
Dept. of Secondary & Higher Education  
Shastri Bhawan,  
New Delhi- 110001  
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**PROF. SHREEPAD KARMALKAR**

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**SHRI HEMANT SHARMA, IAS**

Principal Secretary Skill Development  
& Technical Education Dept.  
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Bhubaneswar, Odisha 751001  
Tel : 0674-2391319(O)  
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## MEMBERS OF SENATE, NIT ROURKELA

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| 1. Prof. K.Umamaheshwar Rao, Director | - | Chairman, Senate  |
| 2. Prof. R. Dhiman, Registrar         | - | Secretary, Senate |

### B) External:

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| 3. Prof. Amitabha Bhattacharya<br>Electronics & Electrical Communication,<br>IIT, Kharagpur - 721302<br>amitabha@ece.iitkgp.ac.in              | - | Member |
| 4. Prof. Sabita Tripathy<br>PG Department of English<br>Sambalpur University,<br>Jyoti Vihar, Sambalpur - 768019<br>sabitatripathy33@gmail.com | - | Member |
| 5. Prof. Saroj Nayak<br>Professor in Physics,<br>IIT, Bhubaneswar - 752050<br>nayaks@iitbbs.ac.in  | - | Member |

### C) Professors of the Institute :

- |                               |                               |
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| 12. Prof. M. Panda, CE        | 32. Prof. S. Chatterjee, CY   |
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| 19. Prof. M. Kundu, CH        | 39. Prof. S. Meher, EC        |
| 20. Prof. S. Paria, CH        | 40. Prof. U. C. Pati, EC      |
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| 23. Prof. D.P. Mohapatra, CS  | 43. Prof. D. Patra, EE        |
| 24. Prof. B. B. Nayak, CR     | 44. Prof. K.B. Mohanty, EE    |
| 25. Prof. S. Bhattacharya, CR | 45. Prof. S. Das, EE          |
|                               | 46. Prof. S. Mohanty, HS      |

- |                               |                              |
|-------------------------------|------------------------------|
| 47. Prof. S.K. Patra, LS      | 62. Prof. S.K. Patel, ME     |
| 48. Prof. S.S. Ray, MA        | 63. Prof. A. Basu, MM        |
| 49. Prof. G.K. Panda, MA      | 64. Prof. B.C. Ray, MM       |
| 50. Prof. S. Chakraverty, MA  | 65. Prof. M. Kumar, MM       |
| 51. Prof. K. C. Pati, MA      | 66. Prof. S. Sen, MM         |
| 52. Prof. K.P. Maity, ME      | 67. Prof. B.K. Pal, MN       |
| 53. Prof. S.S. Mohapatra, ME  | 68. Prof. H. B. Sahu, MN     |
| 54. Prof. D.R.K. Parhi, ME    | 69. Prof. M. K. Mishra, MN   |
| 55. Prof. S. K. Sahoo, ME     | 70. Prof. S. Jayanthu, MN    |
| 56. Prof. S. K. Acharya, ME   | 71. Prof. D. P. Tripathy, MN |
| 57. Prof. S. Murugan, ME      | 72. Prof. B. Ganguli, PH     |
| 58. Prof. A. Satapathy, ME    | 73. Prof. S. S. Jena, PH     |
| 59. Prof. A. K. Satapathy, ME | 74. Prof. P. Kumar, PH       |
| 60. Prof. C.K. Biswas, ME     | 75. Prof. C. K. Sahoo, SM    |
| 61. Prof. S.C. Mohanty, ME    |                              |

**D) Invitees (Faculties & Officers) :**

- |  |           |
|--|-----------|
| 76. Prof. K.Pal, HOD, BM                 | - Invitee |
| 77. Prof. R. Mazumder, HOD, CR           | - Invitee |
| 78. Prof. P. Dash, HOD, CY               | - Invitee |
| 79. Prof. J. Panda, HOD,ER               | - Invitee |
| 80. Prof. P.P. Sutar, HOD, FP            | - Invitee |
| 81. Prof. N. Sethi, HOD, HS              | - Invitee |
| 82. Prof. D. P. Jena, HOD, ID            | - Invitee |
| 83. Prof. S. Das, HOD, LS                | - Invitee |
| 84. Prof. J. Mohapatra, HOD, MA          | - Invitee |
| 85. Prof. A. K. Gorai, HOD, MN           | - Invitee |
| 86. Prof. N.Saha, HOD, PA                | - Invitee |
| 87. Prof. P. N. Vishwakarma, HOD, PH     | - Invitee |
| 88. Prof. ShigufthaHenaUzma, HOD, SM     | - Invitee |
| 89. Prof. S. Ari, EC, Asso. Dean (Ac)    | - Invitee |
| 90. Prof. J. P. Kar, PH, Asso. Dean (Ac) | - Invitee |
| 91. Prof. B. Sahoo,CS, Asso. Dean (AIIR) | - Invitee |
| 92. Mr. B.Acharya, JR-AC                 | - Invitee |
| 93. Mr. A. K. Behera, AR-AC(UG&PG)       | - Invitee |

**E) Student Invitees**

- |  |                   |
|--|-------------------|
| 94. Mr. Konduru Ashok Ku Raju, Roll No.519BM1015 | - Student Nominee |
| 95. Mr. Abhishek Mondal, Roll No.221CE4236       | - Student Nominee |
| 96. Mr. Utkarsh Singh, Roll No.119CS0294         | - Student Nominee |



## SUCCESSIVE LIST OF CHAIRPERSONS, BOARD OF GOVERNORS REGIONAL ENGINEERING COLLEGE ROURKELA

		<u>From</u>	<u>To</u>
1.	<b>Shri Biju Patnaik</b> , Chief Minister, Govt. of Odisha	15-08-1961	19-12-1963
2.	<b>Shri Biju Patnaik</b> , Chairman, Planning Board, Govt. of Odisha	20-12-1963	28-03-1965
3.	<b>Shri Sadashiva Tripathy</b> , Chief Minister, Govt. of Odisha	14-04-1965	07-03-1967
4.	<b>Dr. Hadibandhu Mohanty</b> , Technical Advisor to Govt. of Odisha	07-10-1967	06-10-1973
5.	<b>Shri K. T. Satarwala</b> , Advisor to Govt. of Odisha	07-10-1973	03-05-1974
6.	<b>Shri Kanhu Charan Lenka</b> , Ministry of Industries, Planning & Co-ordination, Govt. of Odisha	04-05-1974	16-02-1976
7.	<b>Shri Kanhu Charan Lenka</b> , Ministry of Industries, Govt. of Odisha	14-01-1977	30-04-1977
8.	<b>Shri Harish Chandra Bauxipatra</b> , Ministry of Industries, Mining, Geology & Rural Department, Govt. of Odisha	06-07-1977	18-02-1980
9.	<b>Shri Kishore Chandra Patel</b> , Ministry of States for Industries, Govt. of Odisha	12-08-1980	08-03-1985
10.	<b>Shri S.B. Mishra</b> , IAS, Commissioner-cum-Secretary, Industries Dept., Govt. of Odisha	06-06-1985	03-01-1986
11.	<b>Shri Jadunath Das Mohapatra</b> , Ministry of Education & Youth Services, Govt. of Odisha	04-01-1986	29-10-1986
12.	<b>Shri Niranjana Patnaik</b> , Ministry of Industries, Science, Technology & Environment, Govt. of Odisha	30-10-1986	16-11-1989
13.	<b>Shri S. B. Mishra</b> , IAS, Secretary, Industries Dept., Govt. of Odisha	17-11-1989	12-08-1990
14.	<b>Shri Dillip Ray</b> , Ministry of Industries, Govt. of Odisha	13-08-1990	03-05-1996
15.	<b>Shri Niranjana Patnaik</b> , Ministry of Industries, Govt. of Odisha	04-05-1996	22-07-1999
16.	<b>Dr. Giridhar Gomang</b> , Chief Minister, Govt. of Odisha	23-07-1999	10-03-2000
17.	<b>Shri Kanak Vardhan Singh Deo</b> , Ministry of Industries, Govt. of Odisha	11-03-2000	25-06-2002

### NATIONAL INSTITUTE OF TECHNOLOGY ROURKELA

		<u>From</u>	<u>To</u>
1.	<b>Shri Kanak Vardhan Singh Deo</b> Ministry of Industries & Public Enterprise, Govt. of Odisha	26-06-2002	01-09-2002
2.	<b>Dr. Bansidhar Panda</b> Chairman & Managing Director, IMFA Group of Industries, Bhubaneswar	02-09-2002	16-12-2007
3.	<b>Shri Drona Rath</b> CMD, MECON LIMITED	17-12-2007	16.12.2010
4.	<b>Shri B. S. Sudhir Chandra</b> Director (Project & Planning), Bangalore Metro Rail Corporation Ltd.	01.03.2011	24.11.2014
5.	<b>Mrs. Vasantha Ramaswamy</b> Founder Director, Aprameya Associates, Pune	25.11.2014	05.08.2016
6.	<b>Dr. Santrupt B. Misra</b> CEO, Carbon Black Business & Director, ABMC Pvt. Ltd.	27.06.2017	26.06.2020
7.	<b>Prof. Animesh Biswas</b> Director, NIT Rourkela	27.06.2020	10.10.2021
8.	<b>Prof. S. Panigrahi</b> Director (I/c)	11.10.2021	17.02.2022
9.	<b>Prof. K. Umamaheshwar Rao</b> Director, NIT Rourkela	18.02.2022	cont.

## SUCCESSIVE LIST OF PRINCIPALS

### REGIONAL ENGINEERING COLLEGE, ROURKELA

		<u>From</u>	<u>To</u>
1.	Shri B. Mishra	15-08-1961	11-02-1962
2.	Prof. Bhubaneswar Behera	12-02-1962	19-07-1971
3.	Prof. H. S. Nagabhushanaiah	20-07-1971	30-08-1972
4.	Prof. R. Mishra	31-08-1972	30-08-1973
5.	Prof. H. S. Nagabhushanaiah	31-08-1973	16-10-1974
6.	Prof. Somnath Mishra	17-10-1974	31-01-1996
7.	Prof. Ashok Kumar Mohanty	01-02-1996	30-09-2001
8.	Prof. Gopendra Kishore Roy	01-10-2001	25-06-2002

## SUCCESSIVE LIST OF DIRECTORS

### NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA

		<u>From</u>	<u>To</u>
1.	Prof. Gopendra Kishore Roy	26-06-2002	06-05-2003
2.	Prof. Sunil Kumar Sarangi	07-05-2003	28-03-2005
3.	Prof. Bijaya Kumar Rath	29-03-2005	02-11-2005
4.	Prof. Sunil Kumar Sarangi	03-11-2005	02.11.2010
5.	Prof. Prafulla Chandra Panda	03.11.2010	24.05.2011
6.	Prof. Sunil Kumar Sarangi	25.05.2011	30.06.2016
7.	Prof. Ranjit Kumar Sahoo	01.07.2016	10.10.2016
8.	Prof. Animesh Biswas	11.10.2016	10.10.2021
9.	Prof. S. Panigrahi	11.10.2021	17.02.2022
10.	Prof. K. Umamaheshwar Rao	18.02.2022	Cont.

# FROM THE ARCHIVE

## RECIPIENTS OF DOCTOR OF SCIENCE

*(Honoris Causa)*

### **Padma Vibhushan Dr. E. Sreedharan**

M.D., Delhi Metro

First Special Convocation

Held at Silicon Valley of India, Bengaluru, on 13 April 2014

*(In recognition of his significant contribution to the field of Civil Engineering and his pioneering work in establishment of Metro Rail systems in India.)*

### **Padma Shri Dr. Srikumar Banerjee**

Homi Bhabha Chair Professor, BARC Mumbai

Twelfth Convocation, 17 January 2015

*(In recognition of his significant contribution to the fields of Metallurgical Engineering and Nuclear Sciences in India.)*

### **Dr. Bansidhar Panda**

Founder Chairman, Indian Metal and Ferro Alloys Ltd)

Second Special Convocation

Held at Bhubaneswar, on 10 July 2015

*(In recognition of his pioneering contribution to growth of Ferroalloy Industry and to Social and Cultural upliftment of the society)*

### **Padma Shri Prof. Manindra Agrawal**

Professor, Dept of Computer Science and Engineering, IIT Kanpur

Second Special Convocation

Held at Bhubaneswar, on 10 July 2015

*(In recognition of his pioneering contribution to the field of Computer Science & Engineering and Engineering education in India.)*

### **Dr. Kumar Mangalam Birla**

Chairperson of The Aditya Birla Group

*(In recognition of his outstanding contribution towards Industrial Development and Nation Building)*

### **Dr. Pramod Kumar Mishra**

Principal Secretary to The Prime Minister of India since 11 September 2019

*(In recognition of his outstanding contribution to the field of Public Administration and Nation Building)*

### **Dr. Sitakant Mahapatra**

Indian Poet & Literacy Critic in Odia as well as in English

*(In recognition of his outstanding contribution to the field of Indian Literature)*

## DISTINGUISHED ALUMNUS AWARDEES

Sl. No	Name	Year, Degree	Award date
1.	Padmashree Nalini Ranjan Mohanty	B. Sc. Engg. (1965) Mechanical Engineering	16 January 2010
2.	Sri Sukhendu Bikas Misra	B. Sc. Engg. (1969) Metallurgical Engineering	16 January 2010
3.	Prof. Damodar Acharya	B. Sc. Engg. (1970) Mechanical Engineering	16 January 2010
4.	Prof. Laxminarayan Bhuyan	B. Sc. Engg. (1972) Electrical Engineering	15 January 2011
5.	Sri Chandra Prakash Gurnani	B.Sc. Engg. (1981) Chemical Engineering	15 January, 2011
6.	Dr. Surya Narayan Mohapatra	B. Sc. Engg. (1971) Electrical Engineering	21 January, 2012
7.	Dr. Lalit Mohan Patnaik	B. Sc. Engg. (1969) Electrical Engineering	21 January 2012
8.	Sri Vir Vikram Vaid	B.Sc. Engg. (1972) Mechanical Engineering	21 January 2012
9.	Prof. Deba Kumar Tripathy	B.Sc. Engg. (1968) Mechanical Engineering	19 January 2013
10.	Sri. Sandip Das	B.Sc. Engg. (1977) Mechanical Engineering	19 January 2013
11.	Sri. Madhusudan Padhi	B.Tech (1984) Metallurgical Engineering	19 January 2013
12.	Shri Rabindra Nath Nayak	B. Sc. Engg. (1977) Electrical Engineering	18 January 2014
13.	Shri Rajesh Vashist	B. Sc. Engg. (1980) Chemical Engineering	18 January 2014
14.	Dr. G. J. Prasad	B. Sc. Engg. (1970) Metallurgical Engineering	18 January 2014
15.	Shri Venkata Narasimham Peri	MCA, (1991)	18 January 2014
16.	Shri Gopi Kanta Ghosh	B. Sc. Engg. (1969) Chemical Engineering	17 January 2015
17.	Shri Pramod Kumar Jain	B. Sc. Engg. (1974) Mechanical Engineering	17 January 2015
18.	Shri S. S. Mohanty	M. Sc. Engg. (1979) Mechanical Engg.	17 January 2015
19.	Dr. Prabhakar Singh	B. Sc. Engg. (1973) Metallurgical Engineering	17 January 2015
20.	Prof. Prasant Mohapatra	B. Sc. Engg. (1987) Electrical Engineering	16 January 2016
21.	Dr. Prakash C. Patnaik	B. Sc. Engg. (1976) Metallurgical Engineering	16 January 2016
22.	Shri G. S. Prasad	B. Sc. Engg. (1976) Mechanical Engineering	16 January 2016
23.	Shri Ansuman Das	B. Sc. Engg. (1976) Mechanical Engineering	16 January 2016

24.	Dr. Akash Khurana	B. Sc. Engg. (1975) Mechanical Engineering	16 January 2016
25.	Prof. Debendra Kumar Das	B. Sc. Engg. (1972) Mechanical Engineering	20 January 2018
26.	Shri Dronadeb Rath	B. Sc. Engg. (1971) Mechanical Engineering	20 January 2018
27.	Shri Maheswar Sahu	B. Sc. Engg. (1971) Mechanical Engineering	20 January 2018
28.	Dr. Swati Mohanty	B. Sc. Engg. (1983) Chemical Engineering	19 January 2019
29.	Ms. Soma Mondal	B. E.(1984) Electrical Engineering	19 January 2019
30.	Dr. Om Agrawal	B. Sc. Engg. (1968) Electrical Engineering	19 January 2019
31.	Mr. Sanjay Mohanty	B. Sc. Engg. (1980) Electrical Engineering	19 January 2019
32.	Prof. Pravas Ranjan Mahapatra	Mechanical Engineering (1968)	18 January 2020
33.	Prof. C. R. Das	Electrical Engineering M.Tech (1978)	18 January 2020
34.	Prof. B. K. Mishra	Metallurgical Engineering(1981)	18 January 2020
35.	Prof. Sarit Kumar Das	Mechanical Engineering Ph.D. (1994)	18 January 2020
36.	Mr. S. P. Rao	Mechanical Engineering (1972)	18 January 2020
37.	Mr. Deb Bhattacharya	Mechanical Engineering (1979)	18 January 2020
38.	Mr. Arun Kumar Rath	Electrical Engineering (1981)	18 January 2020
39.	Prof. Sukant K. Mohapatra	Mechanical Engineering (1981)	18 January 2020
40.	Mr. Lalatendu Rath	Mechanical Engineering (1970)	18 January 2020
41.	Mr. Deepti Ranjan Pattnaik	Chemical Engineering (1972)	18 January 2020
42.	Mr. Manij Kumar Nayak	Electrical Engineering (1983)	18 January 2020
43.	Dr. Raj Kishore Paramguru	Metallurgical Engineering (1970)	21 March, 2021
44.	Mr. Ashutosh Dutta	Electrical Engineering (1985)	21 March, 2021
45.	Air Vice Marshal Subhank Sekhar Lahiri (Retd.)	Electrical Engineering(1967)	21 March, 2021
46.	Er. S. M.Vaidya	Chemical Engineering (1985)	21 March, 2021
47.	Mr. Bishnupada Sethi	Mechanical Engineering (1989)	21 March, 2021
48.	Mr. F. C. Mohanty	Chemical Engineering (1971)	21 March, 2021
49.	Er. Bharat Bhushan Mohanty	Electrical Engineering (1969)	21 March, 2021
50.	Mr. Gary Krishnan	Mechanical Engineering (1972)	21 March, 2021
51.	Prof. Amiya Ranjan Mohanty	Mechanical Engineering (1986)	13 August, 2022
52.	Prof. Lalit Mohan Das	Mechanical Engineering (1970)	13 August, 2022
53.	Prof. Bidyadhar Subudhi	Electrical Engineering (1988)	13 August, 2022
54.	Prof. Manoj Kumar Mohanty	Mining Engineering (1985)	13 August, 2022
55.	Mr. Chitta Ranjan Pradhan	Electrical Engineering (1970)	13 August, 2022
56.	Mr. Prabudha Ranjan Mohanty	Chemical Engineering (1976)	13 August, 2022
57.	Mr. Nikunja Bihari Dhal	Mechanical Engineering (1990)	13 August, 2022
58.	Mr. Prabhat Kumar	Mining Engineering (1986)	13 August, 2022
59.	Er. Binod Kumar Agarwal	Chemical Engineering (1985)	13 August, 2022
60.	Mr. Santosa Kumar Pal	Mining Engineering (1985)	13 August, 2022
61.	Mr. Sandip Dasverma	Mechanical Engineering (1965)	13 August, 2022

## WINNERS OF INSTITUTE GOLD MEDALS

### Best All-Rounder of B.Tech

Sl. No	Name	Department/Specialization	Graduating Year
1.	Sri Sandip Raj Sharma	Department of Electrical Engineering	2003
2.	Sri Siddharth Nair	Department of Electrical Engineering	2004
3.	Sri Piyush Kumar	Department of Electrical Engineering	Jan, 2006
4.	Sri Surjyendu Narayan Dhal	Department of Electrical Engineering	Dec, 2006
5.	Sri Sidhartha Patnaik	Department of Mechanical Engineering	2008
6.	Miss Amrita Patnaik	Department of Mechanical Engineering	2009
7.	Sri Bidhan Kumar Pradhan	Department of Mechanical Engineering	2010
8.	Miss Gloriya Panda	Department of Metallurgical & Materials Engineering	2011
9.	Sri Mrutyunjaya Sandhibigraha	Department of Electrical Engineering	2012
10.	Sri Bikash Mohanty	Department of Mechanical Engineering	2013
11.	Nil	Nil	2014
12.	Nil	Nil	2015
13.	Sri Pradosh Pritam Dash	Department of Mechanical Engineering	2016
14.	Sri Sagar Kumar	Department of Electrical Engineering	2017
15.	Miss K Apoorva Tejaswi	Department of Mechanical Engineering	2018
16.	Sri Ch. Rewant	Department of Mechanical Engineering	2019
17.	Miss Sriya Sainath	Department of Computer Science & Engg.	2020
18.	Miss Pratyusha Padhi	Department of Mechanical Engineering	2021
19.	Sri Simran Deep Singh Thakral	Department of Computer Science & Engg.	2022

### Best in M.Sc, MA

1.	Chandan Kanta Das	Life Science	2013
2.	Md Khurshidul Hassan	Life Science	2014
3.	Miss Rutusmita Mishra	Life Science	2015
4.	Miss Shilpa Swagatika Tripathy	Life Science	2016
5.	Sri Subhankar Kundu	Chemistry	2017
6.	Miss Poulommi Mandal	Earth & Atm.	2018
7.	Miss Trisha Kundu	Life Science	2019
8.	Sri Sunil Kumar Parida	Life Science	2020
9.	Miss Liza Samal	Development Studies	2021
10.	Miss Hamsaa S K	Atmospheric Sciences	2022

### Best in Integrated M.Sc

1.	Miss Kumari Swarnima	Chemistry	2015
2.	Sri Abhinav Mohanty	Chemistry	2016
3.	Miss Shanu Kumari	Chemistry	2017
4.	Sri Sachchidanand Prasad	Mathematics	2018
5.	Sri Bharath A. B.	Chemistry	2019
6.	Sri Krishna Jalan	Physics	2020
7.	Sri Raj Shekhar	Chemistry	2021
8.	Sri Shreekrushna Mishra	Physics	2022

**Best Post Graduate (M.Tech.)**

<b>Sl. No</b>	<b>Name</b>	<b>Department/Specialization</b>	<b>Graduating Year</b>
1.	Miss Suman Kumari	Department of Civil Engineering- Structural Engineering	2003
2.	Miss Sabita Dash	Department of Civil Engineering- Structural engineering	2004
3.	Sri K. Soma Sekhar	Department of Mechanical Engineering- Production Engineering	2006
4.	Miss Ruzuwana Parween	Department of Mechanical Engineering- Production Engineering	2006
5.	Miss Durga Digdarsini	Department of Electronics and communication Engineering- VLSI Design & Embedded Systems	2008
6.	Sri Siddapureddy Sudheer	Department of Mechanical Engineering- Thermal Engineering	2009
7.	Miss Indira Priyadarshini Bhanja	Department of Civil Engineering- Structural Engineering	2010
8.	Miss Leena Sinha	Department of Civil Engineering - Structural Engineering	2011
9.	Sri Anup Kawtia	Department of Computer Science and Engineering - Computer Science	2012
10.	Miss Bijily B	Department of Civil Engineering- Structural Engineering	2013
11.	Miss Ishita Gupta	Department of Electronics and Communication Engineering - Communication & Signal Processing	2014
12.	Miss Narapaneni Raghasudha	Department of Electronics and Communication Engineering -Signal & Image Processing	2015
13.	Sri Sobhan Kanti Dhara	Department of Electronics and Communication Engineering	2016
14.	Sri Saswat Ranjan Mishra	Department of Electrical Engineering	2017
15.	Miss B Sneha	Department of Electronics & Communication Engineering	2018
16.	Miss Rajrani Patra	Department of Civil Engineering	2019
17.	Sri Champarathi Sarat Chandra	Department of Civil Engineering	2020
18.	Sri Nurul Hasan	Department of Civil Engineering- Transportation Engineering	2021
19.	Sri Manish Narayan Gadikar	Department of Civil Engineering	2022

### Best in MBA

1.	Animesh Kumar Srivastava	School of Management	2013
2.	Siddhartha Samadarshi	School of Management	2014
3.	Bithika Jena	School of Management	2015
4.	Miss Rupa Padhy	School of Management	2016
5.	Miss Sanjana Tripathy	School of Management	2017
6.	Miss Namrata Nanda	School of Management	2018
7.	Miss Ankita Mohanty	School of Management	2019
8.	Rajan Ranjan Sahu	School of Management	2020
9.	Miss Anupama Sahoo	School of Management	2021
10.	Aditya Menon	School of Management	2022

### Best B. Tech Project

Sl. No	Name	Department/Specialization	Graduating Year
1.	Sri Pratik Kumar Ray, Smt Sonia Vadhera, Sri Tanmay Bera, Sri Abhishek Bhushan, Sri Rajiv Ranjan	Department of Metallurgical & Materials Engineering	2004
2.	Sri Subrat Nayak, Sri Debadatta Das	Department of Electrical Engineering	2006
3.	Sri Partha Sarathi Mishra	Department of Ceramic Engineering	2006
4.	Nil	Nil	2008
5.	Sri Sambit Kumar Shukla	Department of Computer Science and Engineering	2009
6.	Miss Shivani Mittal	Department of Electrical Engineering	2010
7.	Sri Tuljappa M Ladwa	Department of Electrical Engineering	2011
5.	Miss Deepali Rath	Department of Mechanical Engineering	2012
6.	Miss Swetalina Panigrahi	Department of Electronics and Instrumentation Engineering	2013
7.	Sri P Sampark	Department of Metallurgical & Materials Engineering	2014
8.	Sri Prakash Sarangi	Department of Mechanical Engineering	2015
9.	Sri Himanshu Sekhar Pradhan	Department of Electronics and Instrumentation Engineering	2016
10.	Miss Sonalisa Patel	Department of Industrial Design	2017
11.	Miss P Sai Akanksha	Department of Bio-Medical Engineering	2018
12.	Sri Shivam Rai	Department of Mechanical Engineering	2019
13.	Sri Devashish Gupta	Department of Electronics and Instrumentation Engineering	2020



## XX CONVOCATION COMMITTEE

## CORE COMMITTEE

Prof. K. Umamaheshwar Rao, Director - Chairman

<b>Prof. S. Mishra</b> , Dean(AC)	- Member	<b>Prof. S. Jena</b> , Dean (SW)	- Member
<b>Prof. K.K. Khatua</b> , Dean(AR)	- Member	<b>Prof. N. Panda</b> , Chief Warden	- Member
<b>Prof. C.K. Sahoo</b> , Dean (FW)	- Member	<b>Prof. R. Dhiman</b> , Registrar	- Member
<b>Prof. P. Sarkar</b> , Dean(PD)	- Member	<b>Prof. J. P. Kar</b> , Asso. Dean (AC-PGR)	- Member
<b>Prof. S. Paria</b> , Dean (SR)	- Member	<b>Prof. Samit Ari</b> , Asso. Dean (AC-UG)	- Member
<b>Mr. B. Acharya</b> , DR (AC-Res.) - Secretary		<b>Prof. M. Panda</b> , PIC (Convo.) - Convener	

**APEX COMMITTEE :** 1. Dean (AC)                      2. PIC Convocation                      3. Registrar  
 4. Assoc. Dean 9AC-PGR)    5. Assoc. Dean (AC-UG)                      6. Jt. Registrar (AC -Res)

## DIFFERENT WORKING COMMITTEES

Committee	Convener	Members
<i>Certificates &amp; Awards</i>	<b>Prof. S. K. Pratihari</b> (CR), PIC (Exam)	Prof. J. P. Kar (PH), Prof. S. Ari (EC), Mr. B. Acharya (Jr-AC), Mr. A. K. Behera (AR-PW & AC), Mr. T. K. Sarangi (AC), Mr. J. K. Sahu (AC), Mr. J. P. Shah (AC), Mrs. I.R. Behera (AC), Mr. G. C. Dash (AC), Mrs. A. Panda (AC), Mrs. B. Nanda (AC), Mr. R. Das (AC)
<i>Medal</i>	<b>Prof. D. P. Mohapatra</b> (CS)	Prof. P. M. Khilar (CS), Prof. S. N. Alam (MM), Mr. B. Acharya (JR-AC), Mr. A. K. Behera (AR-PW & AC), Mrs. I. R. Behera (AC), Mr. R. K. Nayak (IA), Mr. R. R. Dash (PW), Mr. A. Kumar (FA), Mr. T. Mahapatro (CS)
<i>Convocation Dress Procurement</i>	<b>Prof. P. K. Bhuyan</b> (CE)	Prof. G. Sahoo (CY), Prof. S. N. Sahoo (CE), Prof. T. K. Mishra (CS), Prof. S. Khuntia (CE), Prof. S. Patel (CY), Mr. A. K. Behera (AR-PW&AC), Mr. R. K. Nayak (IA), Mr. R. R. Dash (PW), Mr. A. Kumar (FA), Mr. T. Mahapatro (CS)
<i>Website &amp; Automation</i>	<b>Prof. S. Maity</b> (EC), PIC (OAC)	Mr. M. R. Patnaik (OAC), Mr. B. Behera (OAC), Mr. T. K. Patnaik (OAC), Mr. S. Sarangi (OAC)
<i>Invitation &amp; Hospitality</i>	<b>Prof. Rohan Dhiman</b> , Registrar	Prof. S. L. Samal (CY), Prof. B. B. Sahu (LS), Mr. D. K. Pradhan (LB), Mr. B. B. Behera (RS), Mr. R. S. Singh (DN), Mrs. R. Patra (RS), Mr. S. K. Modak (RS), Mr. P. P. K. Patro (EC), Ms. A. Gupta (PRO)
<i>Arrangement for VIPs &amp; Special Invitees</i>	<b>Prof. Rohan Dhiman</b> , Registrar	Prof. B. G. Mishra (PIC, GH), Mr. U.K. Biswal (AR-ES-I&FA), Mrs. S. Sahoo (AR-IA), Mr. M. N. Anand Babu (AR-SR), Mr. C. R. Sahoo (AR-ES-II), Mrs. P. Mishra (LB), Mr. Rajesh Beuria (GH), Mr. R.C. Mahapatra (DS), Mr. B. B. Behera (RS), Mrs. R. Patra (RS)
<i>Convocation Dress Distribution</i>	<b>Prof. S. N. Dash</b> (PH)	Prof. Ayas Kanta Swain (EC), Prof. Mithun Biswas (PH), Prof. Bharat Kumar (PH), Prof. Krunal M Gangawane (CH), Prof. Suparna Saha (PA), Mrs. Ranjita Barla (PH), Mrs. Smita Mahanta (PH), Mrs. Debasmita Pathi (EC), Mrs. Priyamabada Jena (ES), Mr. Somnath Mahapatra (PH), Mr. Utpal Kumar Swain (CH), Mr. Krishna Chandra Sahu (WS), Mr. Tapan Kumar Pattnaik (OAC), Mr. P. Prafulla Kumar Patro (EC), Mr. Subrat Pradhan (MM), Mr. Anup Prasad Sahoo (WS), Mr. Nitish Kumar (PH), Mr. Sambit Kumar Pradhan (EM), Mr. Bhanu Pratap Behera (EE), Mr. Radharaman Nayak (EE), Mr. Nishant Kumar (CR), Mr. Sudhananda Pani (ME), Mr. Bibeka Nanda Parida (FP)
<i>Venue Preparation &amp; Sitting Arrangement</i>	<b>Prof. R.K. Mohapatra</b> (CS) <b>Prof. M. Dwivedi</b> (FP)	Prof. Krunal. Gangwane (CH), Prof. K. K. Osuri (ER), Prof. T. K. Mishra (CS), Prof. Rachna Sehrawat (FP), Prof. Rekha S (ER), Mrs. B. Panda (AC), Mr. D. Nayak (PW), Mr. C. R. Swain (PW), Mrs. D. Pahi (EC)
<i>Arrangement for Degree Awardees</i>	<b>Prof. M. Jana</b> (CY)	Prof. Akhilesh K. Sahu (CH), Prof. Preetam Sarkar (FP), Prof. Suparna Saha (PA), Prof. Sushil K. Rathode (ME), Prof. Jnana Ranjan Senapati (ME), Prof. Snehanishu Pal (MM), Prof. Bimalendu Adhikari (CY)
<i>Academic Procession</i>	<b>Prof. (Ms.) U. Subuddhi</b> (CY)	Prof. J. P. Madda (CY), Mr. S. K. Moharana (DS)
<i>Publication</i>	<b>Prof. Winny Routray</b> (FP)	Prof. D. Choudhury (MA), Prof. Srinivasan M (LS), Prof. R. Mehtari (MA), Mrs. L. Bhowmick (ES), Mr. K. K. Pattajoshi (IA), Mr. C. R. Swain (PW)
<i>Press &amp; Public Relation</i>	<b>Prof. H. B. Sahu</b> (MN), Chairman (PPRC)	Prof. Rohan Dhiman (Registrar), Prof. R. K. Panda (SM), Proutray (FP), Prof. A. K. Singh (PH), Mr. B. Acharya (JR), Ms. A. Gupta (PRO)
<i>Campus Cleanliness &amp; Hygiene</i>	<b>Prof. S. K. Bhutia</b> (LS), PIC (L&G)	Prof. Amit Biswas (BM), Prof. J. P. Madda (CY), Prof. A. Yadav (PH), Prof. Venkata Ramana Naik N (EE), Mr. R. K. Panda (EM)
<i>Online Activity/ Video conferencing</i>	<b>Prof. Manish Okade</b> (EC), HOD (CC)	Prof. Ayaskanta Swain (EC), Prof. Hemant Sharma (EC), Prof. Arjun Singh Yadav (EC), Prof. Judhistir Mahapatro (CS), Prof. Puneet Jain (CS), Prof. Arun Kumar (CS), Mrs. Sabita Mohapatra (CC)
<i>Audio &amp; Video Recording, Live Telecast (Streaming)</i>	<b>Prof. R. Dash</b> (CS) HOC (TLC)	Mr. P. Kumar (TLC), Mr. H. Das (TLC), Mr. U. C. Pati (TLC), Mr. A. K. Mohanta (TLC), Mr. M. M. Behera (CS), Mr. K. Tarai (CS)
<i>Safety &amp; Security</i>	<b>Prof. Anil Kumar Singh</b> (PH), HOU (SS)	Prof. A. Behera (MM), Prof. V. Thakur (SM), Prof. Arun Prasath V (FP)
<i>Transport &amp; Ambulance</i>	<b>Prof. D. Pradhan</b> (PH), PIC (TR)	Mr. Rajesh Beuria (Manager, GH & Transport)
<i>Electricity &amp; AC/Fan</i>	<b>Prof. S. Karmakar</b> (EE), Asso. Dean (MEP)	Prof. M.K. Maharana (ME), Prof. S. Ghosh (ME), Mr. J. Mandal (EM), Mr. R. K. Sahoo (EM), Mr. S. Das (EM), Mr. S. Pradhan (EM), Mr. G. Mohanta (SAC)
<i>Telephone</i>	<b>Prof. S.M. Hiremath</b> (EC), PIC (TL)	Mr. B. K. Behera (TL), Mr. T. K. Das (TL), Mr. J. Majhi (TL)
<i>Health Care</i>	<b>Dr. C. Bhattacharyya</b> , Head (HC)	Dr. Soumya Ranjan Behera (HC), Dr. Subhashree Sahu (HC)
<i>Lunch</i>	<b>Prof. S. K. Sahoo</b> (MM)	Prof. Md. Equeenuddin (ER), Prof. D. Chaira (MM), Prof. N. K. Vissa (ER), Mr. C. R. Mishra (SR), Mr. B. N. Naik (MN), Mr. P. B. Acharya (SR), Mr. F. Muduli (ER), Mr. Rajesh Pattnaik (MM), Mr. Uday Kumar Sahu (MM)
<i>Pre-Convocation Evening Function</i>	<b>Prof. P. Singh</b> (EC) President (SAC)	Prof. W. Routray (FP), Prof. Balaji P. S. (ME), Mr. Nalini Nihar Nayak (SAS Officer), Mr. T. K. Patnaik (SAC), Mr. G. K. Mohanta (SAC)
<i>Pre-Convocation Alumni Function</i>	<b>Prof. K. K. Khatua</b> Dean (AR)	Prof. P. K. Ray (EE), Prof. Ayas Kanta Swain (EC), Prof. Simantini Behera (PA), Prof. Rabi Narayan Behera (CE), Prof. Ajit Behera (MM), Mr. Bamadev Acharya (JR), Mr. Ashis Kumar Behera (AR), Mr. T. K. Sarangi (AC), Mr. G. C. Dash (AC), Mrs. A. Panda (AC), Mrs. Rajecta Patra (RG)
<i>Anchoring &amp; Management</i>	<b>Prof. M. Okade</b> (EC)	Mr. B. Acharya (DR), Mrs. S. Sahoo (AR), Mr. J.P. Saha (AC), Mr. T. K. Sarangi (AC), Mr. J. K. Sahu (AC), Mrs. I. R. Behera (AC), Mrs. B. Panda (AC)

## PREVIOUS CONVOCATIONS

<b><u>Convocation</u></b>	<b>Date</b>	<b>Chief Guest</b>
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	Shri Subrato Bagchi
Annual Convocation – V	January 12, 2008	Dr. K. Radhakrishnan
Annual Convocation – VI	January 17, 2009	Dr. K. Kasturirangan
Annual Convocation – VII	January 16, 2010	Dr. A.P.J. Abdul Kalam
Annual Convocation - VIII	January 15, 2011	Shri Partha S. Bhattacharyya
Annual Convocation - IX	January 21, 2012	Shri Chandra Shekhar Verma
Annual Convocation - X	January 19, 2013	Dr. V. K. Saraswat
Annual Convocation - XI	January 18, 2014	Shri Sudhir Vasudeva
Annual Convocation - XII	January 17, 2015	Padma Shri Dr. Srikumar Banerjee
Annual Convocation - XIII	January 16, 2016	Shri Karan Grover
Annual Convocation-XIV	January 21, 2017	Padma Shri A. S. Kiran Kumar
Annual Convocation-XV	January 20, 2018	Dr. P. K. Mishra
Annual Convocation-XVI	January 19, 2019	Dr. Kumar Mangalam Birla
Annual Convocation-XVII	January 18, 2020	Dr. Virander Singh Chauhan
Annual Convocation-XVIII	March 21, 2021	Shri Ram Nath Kovind (Hon'ble President of India)
Annual Convocation-XIX	August 13, 2022	Shri Dharmendra Pradhan (Union Minister of Education, Skill Development & Entrepreneurship, Govt. of India)



# GLIMPSES OF THE ACTIVITIES AND EVENTS HELD DURING THE ACADEMIC YEAR





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Azadi Ka  
Amrit Mahotsav



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