

NEWSLETTER

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THE LATEST EDITION OF
OUTR'S NEWSLETTER

SEMINARS, NEWS AND
UPCOMING EVENTS



**AUTUMN SEMESTER
FIRST QUARTER**

From the desk of the Editor-in-Chief

A new academic year is unfolding with many new branches and streams in OUTR. The arrival of many enthusiastic budding engineers, with loads of dreams, has enhanced the campus vibrancy. Their young and talented minds are filled with excitement, exhilaration and anticipation. Seeing the future shaping fills me with a lot of inner joy and satisfaction. This issue of Letterman celebrates the dedication of our faculty and the resourcefulness of our students. As a new semester begins, this new issue of Letterman brings in a lot of good energy for all the members of OUTR. With these lines, I wish all the readers a *Happy Dussehra* and *Happy Diwali* in advance.



Dr. Minakshi Prasad Mishra
Editor-in-chief,
The Letterman



Strategic Partnership Between OUTR and KFinTech to Enhance Student Employability

Extension reflects OUTR's commitment to quality, innovation, and outcome-based education



On March 24th, Odisha University of Technology and Research (OUTR) signed a Memorandum of Understanding (MoU) with KFin Technologies Limited (KFinTech) to strengthen industry-academia collaboration. The partnership aims at bridging the gap between theory and practice through internships, pre-placement offers, lab visits, and industry-focused training, thereby enhancing students' employability.

This event was hosted by honorable VC OTR, Prof. Dr. Bibhuti Bhusan Biswal and attended by Registrar Mr. Ashish Kumar Jena, Dean -Academic Affairs Prof. Achyutananda Acharya, Prof-in-charge Training and Placement, Prof. Bibhu Prasad Dash from the University and from KFinTech, Chief Technology Officer Venkata Giri Vonkayala, Chief People Officer Sujay Puthran, Vice President Subarna Mishra, and Programme Manager Sumanta Hota. This collaboration reinforces OTR's mission of industry engagement and its position as a leader in technical education.



NBA Extends Accreditation for OTR's Flagship Engineering Courses

The National Board of Accreditation is an autonomous body that evaluates the quality of technical education programs in India across disciplines of architecture, management, engineering, technology, and pharmacy. NBA accreditation is a prestigious recognition signifying that an academic program meets rigorous national and international standards of promoting outcome-based education. It assures students of global recognition, enhances employability, and validates the institution's commitment to

quality, innovation, and continuous improvement. In essence, it serves as a trusted mark of excellence that benefits students, employers, and institutions alike.

In a significant stride towards academic excellence, Odisha University of Technology and Research (OUTR), Bhubaneswar, has received an extension of NBA accreditation for four of its flagship undergraduate engineering programs.

Following the expert team visit on May 2, 2025, and a thorough review of the university's compliance report, the National Board of Accreditation has extended recognition for Civil, Electrical, Mechanical, and Electronics & Instrumentation Engineering programs until June 30, 2028. This renewed accreditation stands as a testament of OUTR's consistent focus on

quality education, industry relevance, and outcome-based learning. As the institution continues to evolve, this milestone not only strengthens its academic reputation but also reinforces the value of an OUTR degree in the eyes of students, employers, and the wider technical community.

An Interview with Dr. Madhab Chandra Tripathy, Head of School (School of Electronic Sciences)

Q. Being from one of the core branches of engineering, what does an electronics engineer from OUTR bring to the industry?

A. We know that basically in every product -be it a household product or an industry product- there is a need of electronics components everywhere. As these components are part of the technologies an electronics engineer is equipped to handle, they are indispensable to the industry at large.

Q. With the rise of AI, renewable energy and smart technologies, how do you envision the role of electronic sciences in the future?

A. In every sector, including AI and smart technologies, there is some form of a control unit. For this control unit, we need an automation systems and this is possible through electronics. Hence, with the rise of future technologies, the scope and demand of electronic sciences will continue to rise too.

Q. What are your thoughts on the inclusion of semiconductor technology among the courses in the Master's programs of OUTR?

A. This year, the inclusion of Semiconductor Technology among the Master's program is a testament to the future-ready approach of our University.



Dr. Madhab Chandra Tripathy
Head of School,
School of Electronic Sciences,
OUTR

*In conversation
with Dr. Madhav
Chandra Tripathy -
his message to the
students.*

*Dr. Tripathy is the
recipient of the
Armen H. Zemanin
Best Paper Award
in the area of
circuits and systems
in 2013 and was
twice awarded the
IEEE Best Paper
Award in
ICDCECE in 2022
and then in
SSITCON in 2024.*



In the previous year, we had included VSLI in the programs offered, which is also indirectly linked with semiconductor technology. The department, as well as the faculty members, are very keen on exploring this field further, and very interested in its development as well.

Q. Now, moving onto a more personal question, which other career path would you have pursued had you not pursued engineering?

A. (Laughs) This takes me back so many years. If I had not taken engineering, I think I would have probably chosen administrative services as a career.

Q. What is an achievement of the department that you're personally proud of? Could you share a personal achievement that brings you joy?

A. We are proud of the fact that we have so many learned faculty members in the department, six of whom, I'm happy to state, have already successfully completed their Ph.D. degrees.

Personally speaking, an achievement that I want to mention is the time I had been awarded with the Best Thesis Award in the USA, with a cash prize of one lakh. It was a moment of pride and joy for both me and my thesis guide when we travelled there to receive this award back in 2013.

Q. Could you mention an invention or discovery in electronics that you personally value the most?

A. When I was pursuing my Ph.D. at IIT Kharagpur, I had developed a fractional capacitor. It was a new technology then, and I had shown how this fractional capacitor could be used in electronic circuits and also proved how it is far better in comparison to conventional capacitors. Thus, for me, this is something I value the most.

Q. Apart from academics, what is a hobby that you recommend students should take interest in?

A. I would definitely suggest outdoor games and physical activity for the students. Nowadays, with the increase in depression among students, physical activity and outdoor games are a going to be a torch bearer.

Q. What is a message that you would like to share with the students at the end?

A. For any student focusing on one's career is of utmost importance at the same time it is imperative to first be a good human being. You will be serious about your job, responsibilities and other duties, but first and foremost, you must strive to become a good human being. That is my personal message and advice for you.



Eminent dignitaries from ISRO & DRDO visit OUTR for Space-Tech Collaboration



Dr. B. K. Das
Director General, Electronics and
Communications System, DRDO



Dr. V. Narayanan
Chairman of ISRO, and
Secretary, Department of Space

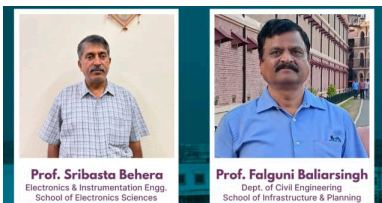
In a significant step towards enhancing Odisha's contribution to the national space and technology ecosystem many esteemed VVIP dignitaries visited our campus. Among these are Dr. V. Narayan, Chairman of ISRO who visited our university and discussed the scope of space research and the role of the youth in space exploration.

Dr. B.K. Das, distinguished Scientist and Director General of Electronics and Communication System, DRDO visited our campus and had elaborate discussions with all the stake holders.



Both of them emphasized on the scope of joint research, technology exchange, and capacity building in cutting-edge areas such as satellite communication remote sensing, data analytics, and aerospace engineering. This initiative aims at establishing Odisha as a critical hub for space research and technological innovation.

OUTR bids farewell to seven stars from it's academic legacy



Prof. Sribasta Behera
Electronics & Instrumentation Engg.
School of Electronics Sciences

Prof. Falguni Baliarsingh
Dept. of Civil Engineering
School of Infrastructure & Planning



Dr. Geetanjali Pradhan
Dept. of Mathematics
School of Basic Science & Humanities

Sri Abhimanyu Sahoo
Dept. of Architecture
School of Infrastructure & Planning



The felicitation of Prof. Sribasta Behera, Prof. Falguni Baliarsingh, Dr. Geetanjali Pradhan, and Sri Abhimanyu Sahoo by Hon'ble Vice Chancellor, and the OUTR family.

On June 30th, four eminent academicians were felicitated for superannuating from their jobs in an emotional atmosphere at the Odisha University of Technology and Research (OUTR). Dr. Bibhuti Bhusan Biswal who was present in the ceremony, appreciated their academic journey, service spirit, and leadership skills. The felicitated academicians include Professor Sribasta Behera from the School of Electronics Sciences, Professor Falguni Baliarsingh from the Department of Civil Engineering, Professor Geetanjali Pradhan from the Department of Mathematics, and Mr. Abhimanyu Sahoo from the Department of Architecture.

Professor Behera has rendered his selfless and dedicated service to the institution since February 2009, holding key positions. Professor Baliarsingh has been a part of the OUTR family since 1988, serving and contributing significantly. Dr. Pradhan joined OUTR in 2006 and has contributed to the university's growth through various roles. Mr. Abhimanyu Sahu has worked in multiple positions in the Department of Architecture since 1989. The ceremony was attended by Dr. Ashish Kumar Jena along with the Deans and Heads of all departments.

Odisha University of Research and Technology bid an emotional farewell to two of its esteemed academicians, Professor Rati Ranjan Das, from the School of Mechanical Sciences and Professor Abhimanyu Mohapatra, from the School of Electrical Sciences. In this context, the entire OUTR family gathered at the farewell ceremony organized on Saturday, May 31st.

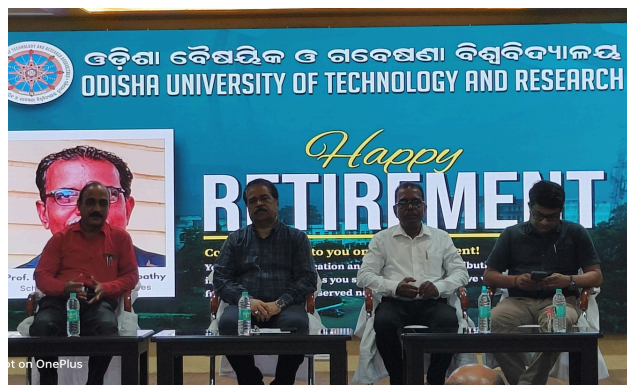
Vice-Chancellor Honourable Dr. Bibhuti Bhushan Biswal highlighted the personalities and educational journeys of the two esteemed professors. Notably, Professor Rati Ranjan Das began his teaching journey at IGIT Sarang in 1989 and retired from OUTR in May 31st 2025. He held many important responsibilities at the University, including the first Controller of exams, Head of Department Mechanical Engineering, PIC Library, and boys' hostel superintendent.

Similarly, Professor Abhimanyu Mahapatra began his teaching career at the Odisha School of Mining Engineering, Keonjhar, and worked diligently at OUTR until May 31st, 2025. His contributions to the university in areas such as training and placement, administration, security, and manpower services are worth laudable.



The farewell program dedicated to Prof. Rati Ranjan Das and Prof. Abhimanyu Mahapatra and their felicitation by Hon'ble Vice Chancellor

Odisha University of Technology and Research (OUTR) felicitated Prof. P.K. Satapathy from the school of Electrical Sciences one of the pioneering and multi-talented professor on the occasion of his super-annuation on 31st July, 2025. An emotional atmosphere was witnessed on the occasion. The Vice Chancellor of the university, honourable Dr. Bibhuti Bhushan Biswal, felicitated Dr. Satapathy. Dr. P.K.Satapathy has been selflessly fulfilling his teaching vow since 2006 in various capacities and important positions.



The farewell program dedicated to Prof. Satapathy and his felicitation by Hon'ble Vice Chancellor

Upcoming Events in the OUTR Campus

1. *Foundation Day of Odisha University of Technology and Research*

On 8th October 2021, College of Engineering and Technology, Bhubaneswar became Odisha University of Technology and Research, Bhubaneswar, after being granted unitary status. This year, 8th October marks the **fourth Foundation Day** of OUTR, and as per tradition this day is observed with great fanfare while faculty members, staff members and students from the different branches and years are awarded for meritorious performance, academic excellence, and outstanding achievement.

2. *Zairzest and Zarzuela*

Zairzest, organized and managed entirely by the student-body of Zairza, the technical club of OUTR, marks the end of Induction Season for all the clubs on campus.

The 3-day fest concludes with Zarzuela – the last evening's DJ Night filled with mood, magic and music.

3. *Pre-Diwali Celebration*

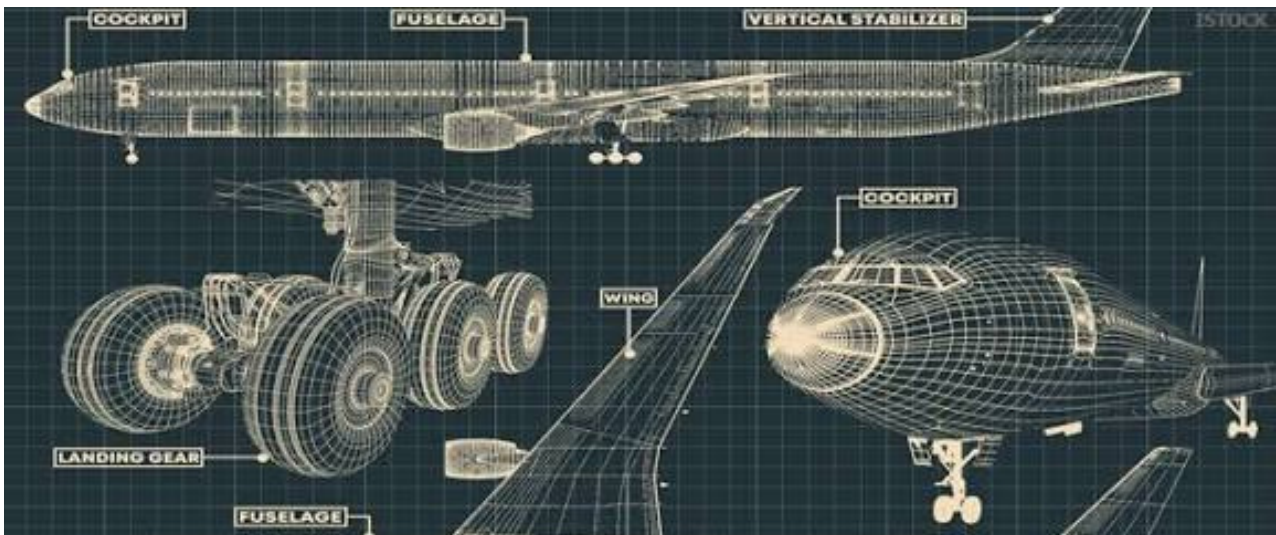
Diwali kicks off with a Pre-Diwali Celebration in the Student Activity Centre (SAC). Bedecked in sparkling lights, the campus gleams in various shades as students share laughter, light and harmonies.

4. *Perception – The Annual Techfest of OUTR*

Like every year, Perception showcases the technical merit of the various clubs. Organized by the Technical Society of OUTR, Perception is an amalgamation of innovation, learning and fun. Several events, showcases and competitions are hosted with enthusiastic participation from students.



OUTR to Offer Aerospace Engineering and Semiconductor Technology from 2025-26



Our university is proud to announce the introduction of two new academic programs, approved by the SD&TE Department, Government of Odisha. Beginning from 2025–26 academic session, we will offer a Bachelor's degree in Aerospace Engineering with an intake capacity of 30 seats, and a Master's degree in Semiconductor Technology with 18 seats. These programs have been thoughtfully introduced to cater to the growing need and demand of these skills in cutting-edge and

future-oriented fields. The rolling out of these courses not only expands our academic horizon but also reinforces our commitment to nurturing talent in highly specialized and globally relevant domains. By offering quality education in Aerospace and Semiconductor Technology, OUTR aims at nurturing innovators, researchers, and future industry leaders, driving academic excellence and technological growth across the state and beyond.

OUTR hosts workshop on Cryo-cooler Technology

On 19th August, OUTR had the privilege of hosting Prof. Srinivas Vanapalli, a renowned cryocooler technology specialist from the University of Twente, for an engaging workshop. This event provided students with a unique opportunity to interact with a global expert and gain hands-on exposure to cutting-edge technologies.



Prof. Srinivas Vanapalli,
Expert on Cryo-cooler Technology,
University of Twente



Abhijit Padhi Graces 'Ama Atithi' on Kanak News

OUTR student sets tone for the show's premiere episode on youth achievement

Kanak News Launched Talk Show "Ama Atithi" featuring inspiring youth voices, Ama Odisha, a fresh and engaging talk show spotlighting the dreams, struggles, and achievements of Odisha's vibrant youth. In its episode that aired on 27.07.2024 at 7:30 AM. the show featured a candid conversation with a rising young talent, Mr. Abhijit Padhi, a budding playback singer in Odia and Hindi



who is a 4th year undergrad from the E&I branch of OUTR.

Exploring his journey and aspirations, this marked a powerful beginning to the series —serving as a proud moment for our university, OUTR, as one of our own students, represented us on a mainstream media platform.

School of Electronic Sciences Celebrates Mr. Sumit Swain's Ph.D. Success

Marking a proud moment for Odisha University of Technology and Research, Mr. Sumit Swain has successfully defended his Ph.D. thesis, entitled **“Performance Improvement of Circuits and Systems Through Design and Analysis of Fractional-Order Elements,”** on August 14, 2025, under the guidance of Dr. M. C. Tripathy and Prof. S. Behera, becoming the University's first Ph.D scholar. A graduate of the same department with B.Tech. (2018) and M.Tech. (2020) degrees, Mr. Swain has contributed significantly to the fields of Fractional-order Circuits, Control Systems, Wireless Power Transfer, Instrumentation, Biomedical Engineering, and Artificial Intelligence.

During his doctoral journey, he published over 25 research papers, including 10 in SCIE-indexed journals and 15 in IEEE conferences, and earned international recognition through awards such as the Best Researcher Award (2021) and two IEEE Best Paper Awards (2022, 2024). His achievements not only showcase his scholarly excellence but also add to the academic prestige of the institution. The university extends its heartiest congratulations and wishes him continued success in his future endeavors.

OUTR Celebrates 79th Independence Day with Patriotic fervor and Cultural splendor

Patriotism in the air, culture on the stage, and pride in every heart.



The college commemorated the 79th Independence Day with great enthusiasm on August 15, 2025. The celebration began with the hoisting of the National Flag by Dr. Bibhuti Bhusan Biswal, followed by the rendition of the National Anthem,

filled the atmosphere with a fragrance of pride and patriotism. As a part of the occasion, many prizes were distributed to the winners of various competitions organized exclusively for the Independence Day celebrations. Students also showcased their

talents through cultural performances, including patriotic songs, dances, and skits, which highlighted the spirit of unity and freedom. The program concluded with an

atmosphere of joy and reverence, as the audience carried home a renewed sense of responsibility towards the nation and its ideals.

OUTR steps into India's chip-producing future at SEMICON-2025

The global demand for semiconductors has never been more critical. These tiny chips lie at the heart of almost every modern technology—smartphones, electric vehicles, medical equipment, energy systems, and even national security. For India, the world's fastest-growing digital economy, the question is no longer if we need a semiconductor ecosystem but how fast we can build one that is both competitive, price sensitive and self-reliant.

Recognizing this urgency, the Odisha University of Technology and Research (OUTR) has stepped forward with a bold initiative. At SEMICON-2025, held at Yashobhoomi, New Delhi, OUTR unveiled its vision for a “**Centre of Excellence (CoE)**” in Semiconductor Technology— a platform designed to bridge the gap between academia, industry, and innovation.

The delegation, comprised of Shri Ashish Kumar Jena (Registrar, OUTR), Dr. Rashmi Rekha Sahoo (Assistant Professor, SELS), and Smt. Abhyarthana Bisoyi (Assistant Professor, SELS). This is the first stepping stone in the roadmap how the centre will anchor Odisha in India's larger semiconductor manufacturer. Their pitch focused not only on training but on creating an end-to-end ecosystem: chip design, fabrication, cleanroom-based skill development, research, industry tie-ups, and incubation support through OUTR's startup centre, OUTR FINE.

The CoE is envisioned as more than a training ground. By offering specialized postgraduate programs in Semiconductor Technology, VLSI



Hon'ble Chief Minister of Odisha Srijukta Mohan Charan Majhi at the Odisha pavilion. Our Registrar in interaction with the CM regarding the aim of OUTR towards achieving the centre of excellence in the Semiconductor domain.

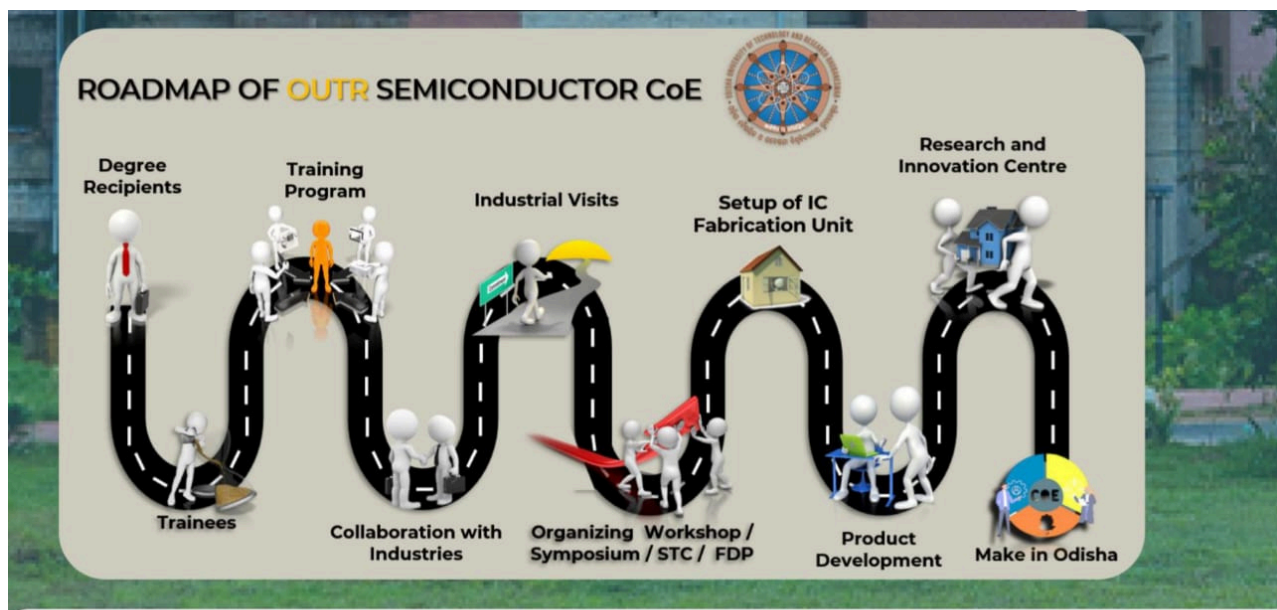


Design, and Embedded Systems, and by fostering partnerships across academia, PSUs, and global industries, OUTR hopes to generate a pool of engineers and innovators who are industry-ready. A phased roadmap—from internships and workshops to setting up IC fabrication units and innovation hubs— marks the university's commitment to scaling impact over the coming years.

The unveiling drew attention in the presence of Odisha's Hon'ble Chief Minister, Shri Mohan Majhi, and Hon'ble IT Minister, Shri Mukesh Mahaling, both of whom lauded the effort as timely and visionary. For Odisha, the move signals a larger ambition: to transform into a significant player in India's semiconductor revolution.

In doing so, OUTF is not just responding to the demands of the present but anticipating the needs of the future. Its Centre of Excellence seeks to prepare a new generation of talent capable of powering

India's technological independence- where chips designed and fabricated in India drive innovation for the world.



Presented by Odisha University of Technology
and Research

SEMICON INDIA 2025



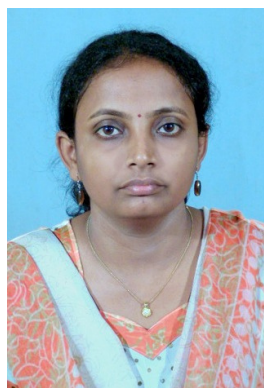
Teachers' Achievements

• Prof. Abhyarthana Bisoyi, and Prof. Rashmi Rekha Sahoo from the School of Electronic Sciences, OUTR, represented OUTR on the Odisha pavilion during SEMICON 2025 and Prof. Bishoyi was a panelist in one of the technical sessions.

Both the teachers are associated with Odisha University of Technology and Research (OUTR), Bhubaneswar since September 2014.

• Dr. Abinash Sahoo, from the Department of Civil Engineering, has been proudly listed among the Top 2% Scientists of the World for the year 2024-25.

His research interests lie in developing prediction models for hydrological applications using AI and ML.



Dr. Sahoo is ranked at 442778 and part of the Top 2% of Scientists in the World, 2024-25, published on 22 September, 2025.

Students' Achievements

1. Chakravyuh, OUTR's very own band won the **first prize** in the *Battle of Bands* in NIT Rourkela's cultfest Nitrutsav 2025.

2. Aadarsh Mishra, from Biotechnology, Third Year won the **second position** in the BizQuiz hosted by the Big Bento Quiz Box.

3. Sriyashree Panigrahi, a student of Biotechnology, Third Year won the **first position** in the Essay Writing Competition organised in honour of Vigilance Awareness Week.

4. Amaresh Kumar Sahu from Mechanical Engineering, Second Year has secured the **third position** in the Wordskills Competition held in Lyon, France.



5. Rakshit Mohanty, of Second Year, Computer Science Engineering won the **first prize** in the Kalinga International Model United Nations 2025 organised by ASBM University. He also recieved the **first prize** in the BRICS Entrepreneurship Pre-Consultation event.

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