

# AIETALK



The Aryan Institute of Engineering and Technology (AIET) stand as more than just an educational institution; it embodies a mission to provide exceptional education in engineering and technology. Its vision is to cultivate a generation of talented, dynamic leaders capable of driving the institute's objectives forward.

The quarterly newsletter, AIETalk, serves as a platform to showcase the institute's academic, curricular and extracurricular achievements. It captures significant events, including meetings, seminars, guest lectures, workshops, industrial visits, placement drives, NCC, Scout & Guide activities, faculty development programs and conferences hosted by the institute or attended by its members elsewhere. Designed to broaden readers' horizons, it keeps them well-informed about the institute's activities while encouraging the exchange of innovative ideas that enrich its culture and traditions.

This bulletin is expected to be a valuable resource for the institute's members and well-wishers, fostering engagement and growth.

**Dr. Dillip Kumar Biswal, Principal**

## THE INSTITUTE

Aryan Institute of Engineering and Technology (AIET), Bhubaneswar, a premier and leading technical institute of Odisha, in East India established in the Year 2009 by Aryan Educational Trust. Our commitment to excellence has been acknowledged by various regulatory bodies and organizations. The Institute has earned an "A" grade accreditation from the National Assessment and Accreditation Council (NAAC) and holds ISO 9001:2015 Certification.

Over the past 15 years, AIET has made significant strides, establishing a strong presence not only within the state but also across the country and internationally. The institute has created an inspiring environment for knowledge development and integration, fostering a sense of social responsibility, human values, and a commitment to societal welfare. In line with the NEP-2020, special emphasis is placed on Outcome-Based Education (OBE).

## New Year Message

### Dr. Madhumita Parida, Chairman, AIET



As we welcome the year 2025, I extend my warmest greetings to the entire Aryan Institute of Engineering and Technology family. May this year bring happiness, success, and new opportunities for all of us.

The past year has been filled with achievements, challenges, and learning experiences and I take immense pride in the dedication and perseverance shown by our students, faculty, and staff. Our institution continues to grow as a center of excellence in engineering education, research, and innovation.

As we move forward, let us embrace the spirit of hard work, creativity, and collaboration. The world of technology is evolving rapidly, and as future engineers, you have a crucial role to play in shaping a better tomorrow. I encourage you all to dream big, stay focused, and work towards making a meaningful impact on society.

May 2025 be a year of new aspirations, greater accomplishments, and boundless opportunities. Let us continue our journey towards excellence and make this year truly remarkable.

**Wishing you all a Happy, Prosperous, and Fulfilling New Year 2025!**

As we step into the year 2025, I extend my heartfelt wishes to each member of our Aryan Institute of Engineering and Technology family. May this year bring new opportunities, success, and innovation in all our endeavors.

The past year has been a testament to our collective resilience, hard work, and commitment to excellence. Our students have demonstrated remarkable achievements in academics, research, and extracurricular activities, while our faculty and staff have remained dedicated to nurturing future engineers and leaders.

As we embrace this New Year, let us continue striving for excellence, creativity, and ethical leadership. The world is evolving rapidly, and as an engineering institution, we must stay at the forefront of technological advancements and innovation. I encourage every student to think beyond boundaries, challenge limitations, and contribute meaningfully to society.

Let 2025 be a year of growth, collaboration, and transformation. Together, we will uphold the values of our institution and create a bright future for generations to come.

**Wishing you all a Happy, Prosperous, and Inspiring New Year 2025!**

**Dr. Dillip Kumar Biswal, Principal, AIET**

## Board of Governors

The Board of Governors constituted comprising of members of the Aryan Educational Trust, nominee of the affiliating University, eminent corporate leaders, professionals, heads of prestigious national institutions and experts from different fields. It meets twice in a year. Dr. Madhumita Parida, Chairperson, AIET & Dr. Dillip Kumar Biswal, Principal AIET act as the Chairperson and the Member-Secretary of the Board, respectively.

## Faculty Council Meeting

Faculty Council Meetings are regularly held under the Chairmanship of the Principal, AIET for streamlining the academic activities including the progress of the Institute. The important points discussed, debated, and accepted for implementation were:

- Encouraging research project for final year students by faculty members
- Academic Progress and Course Coverage
- BPUT solved question answer for students
- Periodic review of student attendance
- Reformation of Different Committee
- Conduction of Internal & End Semester Examination
- Monitoring of ACC-1 and Minor Course offered by Coursera
- Load distribution for next even semester 2024-25
- Preparation for NBA Visit

## Seminar/Workshop/Industrial & Expert Talk Conducted at AIET Bhubaneswar

Five day Boot Camp on **Drone Engineering**, covering its fundamentals, development, and applications, from **February 10<sup>th</sup> to February 14<sup>th</sup>, 2025**, Conducted by NIELIT (National Institute of Electronics and Information Technology, Bhubaneswar) at AIET Bhubaneswar. 37 students from various branches participated in this program. NIELIT is an Autonomous Scientific Society under Ministry of Electronics & Information Technology, Government of India.



Expert Talk on **"Navigating Career Pathways: Insights, Strategies, and Tools for Engineering Students"**, scheduled for **21<sup>st</sup> February 2025**. This expert talk is designed to empower engineering students with the essential insights, strategic thinking, and practical tools required to make informed decisions about their careers. Experts from Mentroz, a leading career mentoring platform, shared their real-world experiences with the students.



Invited talk on **"Campus to Corporate"** by Mr. Anil Kumar Palata, Technical Lead Architect, A2R Software Consulting, Bangalore scheduled for **10<sup>th</sup> March, 2025**. This talk is designed to equip students with the knowledge and mindset required to transition effectively from academic life to the professional world.



An expert session on **"Data Analytics Using Python"** was successfully conducted on **11<sup>th</sup> March 2025**. The session was delivered by Dr. Trilochan Tarai, Director of Silan Software Private Ltd., who brought a wealth of industry experience and technical expertise to the event.

During the session, Dr. Tarai provided valuable insights into the applications of Python in data analytics, covering key concepts such as data preprocessing, visualization, statistical analysis. He also shared real-world case studies and practical demonstrations, which greatly enhanced the learning experience for the participants



## Training & Placement Drives

Aryan Institute of Engineering & Technology is conducted many placement drives for 2025 passing Diploma and BTech/MCA batch students. Tech Mahindra, Polycab India Pvt Ltd, Forvia India Pvt. Ltd, Wipro Infrastructure, Efftronics System etc.. placement drives are conducted in the months Jan-Mar 2025. More than 40 number of students have been selected in the drives.



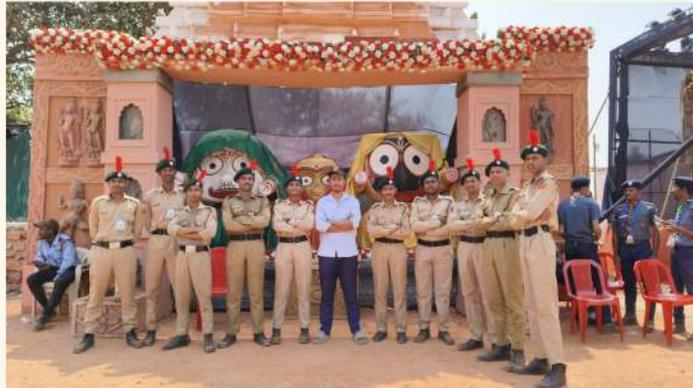
## NCC Activities

On **4<sup>th</sup> January 2025** at 6:00 AM, the AIET NCC cadets, along with the Associate NCC Officer (ANO), Lt. Rudra Prasad Nanda actively participated in a **Road Safety Program organized by the Department of Road and Transport, Government of Odisha, as part of a Mini Marathon event.** The initiative aimed to raise awareness about road safety among the general public and promote responsible behavior on the roads.



**JANUARY TO MARCH 2025**

The **18<sup>th</sup> Pravasi Bharatiya Divas (PBD)** Convention is being organized in partnership with the State Government of Odisha from **8<sup>th</sup> to 10<sup>th</sup> January 2025** in Bhubaneswar. In connection with this prestigious international event, AIET NCC cadets are being deployed to support various activities and ensure smooth conduct of the program.



**NCC Cadets at Labaneswar Jagannath Seva Sibir**



**NCC Inspection on 21.01.2025**



**CHIF MINISTER PROGRAM**



**NCC 'B' CARTIFICATE EXAM**



**SMOKE GRANAITE PRATICE ,BBSR**



**RDC CAMP, NEW DELHI**



**FAREWELL CEREMONY**



JANUARY TO MARCH 2025

## Scout & Guide Activities

**Rovers and Rangers** from our institution were deputed to attend the **Labaneswar Jagannath Seva Sibira** held on the occasion of “**Labaneswar Jagannath Mandira Pratistha & Purnahoti**” from **9<sup>th</sup> March 2025 to 12<sup>th</sup> March 2025**. The event took place at Labaneswar Hills, Bhubaneswar. The Rovers and Rangers actively participated in various service activities during the Sibira, including crowd management, assistance to devotees, cleanliness drives, and support for the smooth execution of rituals and ceremonies.



Rovers, Rangers, and Unit Leaders from our institution participated in the **State Level Adventure Program** held at the **Regional Level Training Centre (RLTC), Kutra, Sundargarh** from **25<sup>th</sup> March 2025 to 29<sup>th</sup> March 2025**. The program was designed to instill courage, teamwork, and leadership skills through a series of challenging and engaging outdoor activities. Participants took part in various adventure-based tasks such as trekking, rock climbing, rappelling, obstacle navigation, and survival skills training.



## Celebration at the Institute

The **76<sup>th</sup> Republic Day** was celebrated with great patriotic fervor and enthusiasm at Aryan Institute of Engineering and Technology on **26<sup>th</sup> January 2025**. The celebration began with the flag hoisting ceremony, which was gracefully conducted by the Principal, followed by the singing of the national anthem.

A ceremonial parade was performed by the NCC cadets, showcasing discipline and dedication. The event also featured various cultural activities and performances by students, including patriotic songs, speeches, and dances that highlighted the spirit of unity and national pride.



**Saraswati Puja** was celebrated with great devotion and enthusiasm at Aryan Institute of Engineering and Technology on **2<sup>nd</sup> February 2025**. The celebration began with the traditional rituals and pran pratistha of Goddess Saraswati, the deity of wisdom, knowledge, and learning.

Students, faculty, and staff members actively participated in the puja, creating a spiritually uplifting atmosphere on campus. After the rituals, prasada was distributed among all present.



## JANUARY TO MARCH 2025

The **Annual Sports Meet 2025** at Aryan Institute of Engineering and Technology was successfully conducted on **17<sup>th</sup> and 18<sup>th</sup> February 2025** with great energy and enthusiasm. The two-day event witnessed the active participation of more than 600 students across various track and field events, team games, and individual sports competitions.



A 10-over friendly cricket match was organized, featuring enthusiastic participation from both students and staff members. The match was conducted in a spirited and cheerful environment, promoting teamwork, fitness, and camaraderie among participants. Students showcased their sportsmanship, teamwork, and competitive spirit, making the event both enjoyable and memorable. Winners were felicitated with medals and certificates during the closing ceremony, and the event concluded with a vote of thanks and national anthem.







The **Tech Fest and Food Fest** at Aryan Institute of Engineering and Technology were successfully organized on the **19<sup>th</sup> and 20<sup>th</sup> of February 2025**, marked by vibrant participation and enthusiastic involvement from all.





**Graduation Day** at Aryan Institute of Engineering and Technology was successfully held on **20<sup>th</sup> February 2025**. Graduating students received their final certificates from the college during the event.





The **Annual Function “ARYAN ARENA–2025”** at Aryan Institute of Engineering and Technology was successfully held on the **27<sup>th</sup> and 28<sup>th</sup> of February 2025**, filled with vibrant energy and enthusiasm. The two-day celebration saw the enthusiastic participation of over 1100 students. On the first day, Prof. Sunil Kumar Sarangi, Professorial Fellow at IIT Bhubaneswar and Academic Advisor at C. V. Raman Global University, Bhubaneswar, graced the occasion as the Chief Guest, while Prof. R. Bhima Rao, National Council Member of the IEI Chemical Engineering Division and Former Chief Scientist at CSIR-IMMT, Government of India, joined as the Guest of Honor. Awards and prizes were distributed to students for their achievements. The first day featured a range of student performances, showcasing their talents, while the second day concluded with a lively DJ Night.



**JANUARY TO MARCH 2025**







**International Women’s Day** was observed on our campus on **8<sup>th</sup> March 2025** with great enthusiasm and purpose. To mark the occasion, a special plantation drive was organized, reinforcing our commitment to a greener and more sustainable campus. The initiative not only celebrated the spirit and achievements of women but also promoted environmental consciousness among students and staff.



## Industry Visit

More than 100 students from various branches enthusiastically participated in the Seminar on “**EAP & Future Skills**” organized by the **Central Tool Room & Training Centre (CTTC), Bhubaneswar**, on **24<sup>th</sup> and 25<sup>th</sup> February 2025**. During the two-day program, students not only gained insights into Entrepreneurship Awareness Program (EAP) and emerging skill sets for future careers, but also had the opportunity to explore CTTC’s advanced facilities. The visit included guided tours of different departments and exposure to state-of-the-art, new-age technologies, providing the students with valuable practical knowledge and industry-oriented perspectives.



## JANUARY TO MARCH 2025

On **28<sup>th</sup> February 2025**, more than 50 students from various branches actively participated in an **Industrial Exposure Program focused on the Bureau of Indian Standards (BIS)**. The visit was organized at **Rarean Fluid-Tech Private Limited, Khorda**, where students gained valuable insights into industrial practices, quality standards, and BIS compliance processes. This hands-on exposure bridged the gap between academic knowledge and real-world industrial applications, enriching the students' understanding of standardization and quality assurance in manufacturing.



On **9<sup>th</sup> March 2025**, our students visited the **3<sup>rd</sup> Odisha Mining & Infrastructure International Expo 2025**, held at Bhubaneswar from 6<sup>th</sup> to 9<sup>th</sup> March 2025. The visit provided students with an excellent opportunity to explore the latest advancements, technologies, and innovations in the fields of mining and infrastructure. Engaging with industry professionals and observing real-world applications helped broaden their knowledge and understanding of the sector, enhancing their academic and professional outlook.



A **Study Tour and Industry Visit** was organized for students of the Mining branch to the **Noamundi Iron Ore Mine, Tata Steel**, from **20<sup>th</sup> to 22<sup>nd</sup> March 2025**. During the visit, students gained first-hand exposure to large-scale mining operations, safety practices, and modern technologies employed in one of India's leading iron ore mines. This educational tour provided valuable practical insights and a deeper understanding of mining processes, complementing their academic learning with real-world industrial experience.



## Seminar/Workshop/FDP/Conference Attended by the Faculty Members & Students

The **BPUT Industry-Academia Conclave 2024**, themed “**Sustainability Education towards Viksit Bharat: Role of BPUT, Odisha**”, was held at the Netaji Subhash Auditorium, BPUT, Rourkela on **18<sup>th</sup> and 19<sup>th</sup> January 2025**. Dr. A.K. Sahoo and Mr. M. Rout represented our institution at the conclave, actively engaging in the discussions and knowledge exchange sessions that aimed to strengthen the bridge between academia and industry.



Dr. D.K. Biswal represented our institution at the **Utkarsh Odisha – Make in Odisha Conclave 2025**, held on **28<sup>th</sup> and 29<sup>th</sup> January 2025**. The event served as a platform to showcase Odisha’s industrial potential and foster collaboration between government, academia, and industry stakeholders.

More than 20 Computer Science and Engineering students, accompanied by Dr. A.K. Sahoo and Mr. P.K. Dehury, participated in the **3<sup>rd</sup> National Information System Symposium** on “**Data Privacy and Usage: A Global Concern**” held at ASBM University on **1<sup>st</sup> February 2025**.



## JANUARY TO MARCH 2025

The **44<sup>th</sup> Academic Council Meeting** and **11<sup>th</sup> Convocation of BPUT** were successfully conducted at Netaji Subhas Auditorium, BPUT, Rourkela, on **4<sup>th</sup> and 5<sup>th</sup> February 2025**. Dr. D.K. Biswal, Principal of AIET, attended the event.



Dr. Amiya Kumar Sahoo, along with four students, attended and presented a research paper at the conference "**Navigating the Future: Management Strategies for Sustainable Transformation**" held at **ASBM University on 21<sup>st</sup> -22<sup>nd</sup> February 2025**.



Dr. Sunita Pahadasingh attended and presented a research paper at KIIT University during **ICIDeA-2025 on 21<sup>st</sup> February 2025**.

Mr. Bibhuti Bhusan Panda and Mr. Debadatta Pattnaik attended the Faculty Development Programme on "**Case-based Teaching and Management Case Development**" organized by **BPUT from 28<sup>th</sup> February to 1<sup>st</sup> March 2025** at the Conference Hall, World Skill Centre, Mancheswar Industrial Estate, Bhubaneswar.



Students from the Department of Civil Engineering participated in the **All India Concrete Cube Testing Competition** held at C.V. Raman Global University, Bhubaneswar on **March 12, 2025**. The event provided a valuable platform for students to showcase their practical skills, gain hands-on experience, and interact with peers and professionals from across the country.

A workshop on "**Net-Zero Vision for Bhubaneswar**" was organized on **March 18, 2025**, by the Government of Odisha, in collaboration with TERI, GRIDCO, and the UK Government. The event focused on strategies and collaborative efforts towards achieving a sustainable, low-carbon future for the city. Dr. R. K. Mallik, Mr. Umakanta Pradhan, and six students from Aryan Institute of Engineering & Technology (AIET), Bhubaneswar, attended the workshop, gaining valuable insights into sustainable urban development and energy transition initiatives.



A **State Level Conclave** on “**Education to Employment for Diploma Engineering Students in the Context of NEP 2020**” was held on **March 27, 2025**. The event focused on aligning diploma-level technical education with the objectives of the National Education Policy (NEP) 2020, with an emphasis on skill development, industry readiness, and employability. Around 120 students with faculty members attended the program at Rail Auditorium, Bhubaneswar.

## Contribution

**Biswal, D. K.**, Moharana, B. R., & Muduli, K. (2025). **Development of a framework for assessing the degree of course and program outcome attainment utilizing outcome-based education framework**. *Journal of Engineering Education Transformations*, 38(3), 158-170. <https://doi.org/10.16920/jeet/2024/v38i3/24252>.

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**Sahoo Amiya Kumar**, T. Venketbabu, Kartikeyan (2025), **A Precision Agritech: Multi system Vehicle for efficient Farming using Artificial Intelligence Precision Agritech**, *SCPE (Scalable Computing Practice and Experience)* (**Accepted**)

**Sahoo, A. K.**, Jagadamba, G., Kumar, R. P., Dharani, M., Kaur, P., & Gupta, S. (2025). **Artificial intelligence-based digital twin technology for multimodal biomedical applications**. In S. P. Jones Christydass, N. Nurhayati, & S. Kannadhasan (Eds.), *Hybrid and Advanced Technologies*. ISBN 978-1-032-90669-0. <https://doi.org/10.1201/9781003559139-19>.

**Sahoo, A.**, Rajesh, A. A., & Kiran, G. M. (2025). **Survey on Diverse Access Control Techniques in Cloud Computing**. In Srinivas Sethi, Bibhudatta Sahoo, Deepak Tosh, Suvendra Kumar Jayasingh, Sourav Kumar Bhoi (Eds.) *Computing, Communication and Intelligence*. eBook ISBN 9781003581215, CRC Press. <https://doi.org/10.1201/9781003581215>

A. Atmakuri, **A. Sahoo**, P. M, D. K. Behera, M. K. Gourisaria and S. Padhi, (2025). **Dynamic Resource Optimization for Cloud Encryption: Integrating ACO and Key-Policy Attribute-Based Encryption**, 2024 4<sup>th</sup> International Conference on Soft Computing for Security Applications (ICSCSA), Salem, India, 2024, pp. 424-428, DOI: <https://doi.org/10.1109/ICSCSA64454.2024.00074> (**Publisher: IEEE**)



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