

# AIETALK

## 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).



## EDITORIAL

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**

## 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
- Reformation of Different Committee
- Conduction of End Semester Examination
- Monitoring of ACC-1 and Minor Coursed offered by Coursera
- Load distribution and Faculty recruitment for next ODD semester 2025-26
- Preparation for NBA Visit
- Encouraging faculty members to write RPS project proposal.

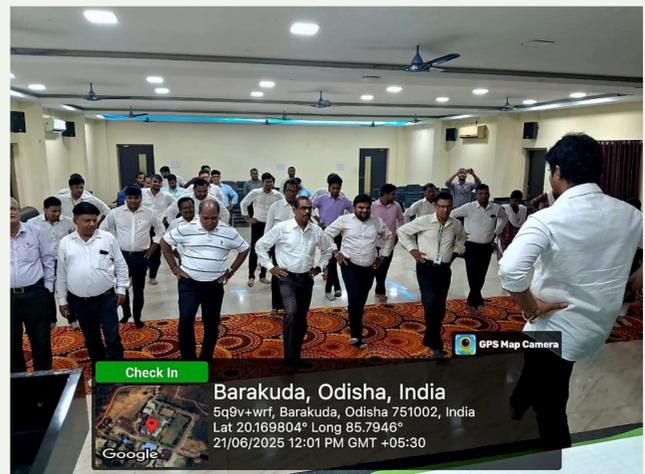
## Celebration at the Institute

**World Environment Day** was celebrated on **05<sup>th</sup> June 2025** at the AIET campus with great enthusiasm. As part of the observance, staff and students actively participated in a plastic clean-up drive and undertook plantation activities to promote environmental awareness and sustainability.





**International Yoga Day** was celebrated on **21<sup>st</sup> June 2025** at the Aiet campus with active participation from students, faculty, and staff members. The event began with a welcome address by Principal Dr. Biswal followed by a yoga demonstration session conducted by trained instructors. Participants performed various asanas and breathing exercises, promoting physical and mental well-being. The celebration emphasized the importance of incorporating yoga into daily life for a healthy and balanced lifestyle.



## NCC Activities



Operation SINDOOR Program, Master Canteen, Bhubaneswar



Tiranga Rally Program, Kalinga Stadium, Bhubaneswar



State Level Seminar by NCC Odisha Directorate held at OUAT Auditorium Bhubaneswar



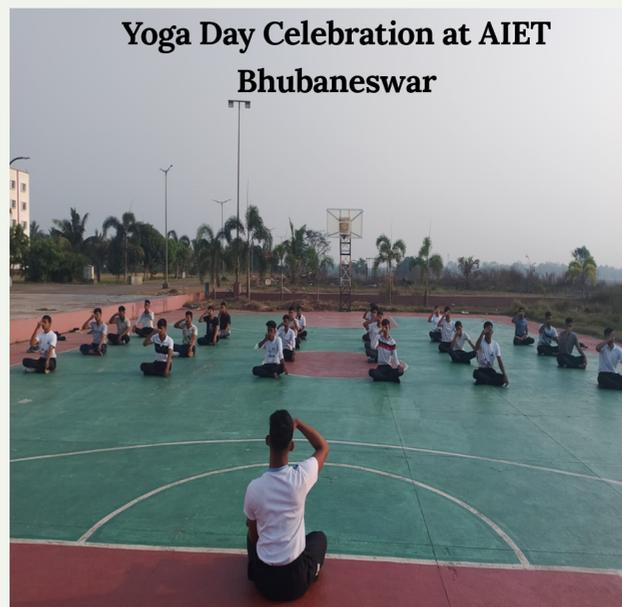
Participant in firing camp Naraj, Cuttack



Mock Drill During Operation SINDOOR, Rajmahal Square, Bhubaneswar



Blood Donation Camp, Institute of Life Science, Bhubaneswar



Yoga Day Celebration at AIET Bhubaneswar

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

Mr. Pratap Kumar Swain has successfully participated & completed 05-Days Online Capacity Building Programme on “*CB Digital & AI Skills for Administrative Efficiency (DASAE)*” Organized by Biju Patnaik University of Technology, Odisha, conducted in association with the Association of Indian Universities (AIU), New-Delhi. from 04/04/2025 to 11/04/2025.

Dr. Sagar Kumar Behera ; Ms. Anusaya Nanda ; Mr. Arun Krushna Padhiari ; Ms. Sudeshna Srujanika ; Ms. Dhirti Suryavansi ; Mr. Saurava Kumar Sahoo ; Mr. Mukesh Kumar ; Mr. Darsan Kumar ; Mr. Ashok Ku. Shetty ; Mr. Swagat Singh ; Mr. Thatagat Das have successfully participated & completed One-week online FDP on “*Empowering Higher Education Institutions Technology-enabled learning & Blended Learning*” Organized by the Integral University, Lucknow & the Aryabhata Knowledge University, Bihar in association with Commonwealth Education Media Centre for Asia, New Delhi, the Association of Indian Universities, New Delhi from 07/04/2025 to 12/04/2025.

Dr. Dillip Kumar Biswal ; Dr. Amiya Kumar Sahoo ; Dr. Pradyut Kumar Swain ; Dr. Ranjan Kishore Mallick ; Mr. Umakanta Mohapatra ; Mr. Bipin Bihari Mohanty have successfully participated & completed One-day workshop on “*Implementation of NEP 2020 for Technical & Professional Education in Odisha*” Organized and Conducted by Biju Patnaik University of Technology, Odisha at Rail Auditorium, Bhubaneswar on 11/04/2025.

Dr. Amiya Kumar Sahoo ; Mrs. Madhusmita Mohanty ; Mr. Rakesh Roshan Apatta ; Mr. Umakanta Pradhan ; Ms. Rajalaxmi Pati ; Ms. Pragyan Paramita Pani ; Mr. Dibyajyoti Nayak ; Mr. Amitav Mishra ; Mr. Bibhuprasad Subudhi ; Ms. Chinmayi Choudhary ; Ms. Laxmi Jena ; Mr. Prakash Kumar Dehury ; have successfully participated & completed 05-Days Online Faculty Development Programme (FDP) on “*Empowering Higher Education Institutions in Technology-enabled and Blended Learning*” Organized by BPUT in association with Commonwealth Educational Media Centre for Asia (COL-CEMCA) and The Association of Indian Universities (AIU) from 14/04/2025 to 19/04/2025.

Dr. Sagar Kumar Behera has successfully participated & completed One-day online webinar on “*Readiness and Challenges of Employees in Adopting Smart Technology in India's Hospitality & Tourism Industry*” Organized and Conducted by AOL Academy on 15/04/2025.

**Dr. Dillip Kumar Biswal** has successfully participated & completed One-Week Online Capacity Building Programme on “***Viksit Bharat: Leadership and Strategic Management (VBLSM)***” Organized by **Biju Patnaik University of Technology, Odisha**, conducted in association with the Association of Indian Universities-Academic and Administrative Development Centre (AIU-AADC-BPUT) from **21/04/2025 to 25/04/2025**.

**Mr. Priya Chandan Satapathy** has successfully participated & completed One-week online FDP on “***Artificial Intelligence and Machine Learning Applications in Electrical and Electronics Engineering***” Organized and Conducted by **NITTTR, Chennai** from **28/04/2025 to 02/05/2025**.

**Dr. Pratap Chandra Nayak ; Dr. Sunita Pahadasingh** have successfully participated & completed One-week online FDP on “***Design of EV, PV & Wind Power Plants and Applications of IOT: Hands on Practice***” Organized and Conducted by **SASI Institute of Engineering & Technology, A.P, India** from **28/04/2025 to 03/05/2025**.

**Dr. Sunita Pahadasingh** has successfully participated & completed One-Day online NPTEL-AICTE FDP on “***Smart Grid: Basics to Advanced Technologies***” on **03/05/2025**.

**Dr. Sunita Pahadasingh** has successfully participated & completed One-week online FDP on “***Renewable Energy and Smart Grid: Recent Trends and Applications***” organized by **KIIT Deemed to be University, Bhubaneswar, Odisha, India** from **05/05/2025 to 09/05/2025**.

**Dr. Pradyut Kumar Swain** has successfully participated & completed 05-Days Online FDP on “***Innovative Teaching Methodologies and e-Content Design***” Organized by **Biju Patnaik University of Technology, Odisha**, conducted in association with Association of Indian Universities (AIU), New-Delhi from **05/05/2025 to 09/05/2025**.

**Mrs. Vidya Mohanty** has successfully participated & completed 02-Week Online FDP on “***Featuring Engineering: The Backbone of Effective AI and ML Solution Applications***” Sponsored by MeitY, organized by HUB E & ICT Academy NIT Warangal in association with Spoke E & ICT Academy KIIT Bhubaneswar. from **12/05/2025 to 23/05/2025**.

**Dr. Sunita Pahadasingh** has successfully participated & completed 05-Days online FDP on “***Recent Trends In Under Water Robotics***” organized by **PMEC, Berhampur, Odisha, India** from **13/05/2025 to 17/05/2025**.

Mr. Arun Krushna Padhiari has successfully participated & completed 05-Days online FDP on “*Advanced Research and Methodologies*” organized by Abacus Institute of Engineering & Management from **13/05/2025 to 17/05/2025**.

Mrs. Vidya Mohanty has successfully participated & completed One-Week Online FDP on “*Quality Assurance and Accreditation*” Organized by **Biju Patnaik University of Technology, Odisha**, conducted in association with the Association of Indian Universities - Academic and Administrative Development Centre (AIU-AADC-BPUT) from **19/05/2025 to 23/05/2025**.

Mr. Arun Krushna Padhiari has successfully participated & completed 02-Days online National Workshop on “*AI-Powered Approaches to Statistical Data Analysis*” organized by KTCT College of Teacher Education from **05/06/2025 to 06/06/2025**.

Dr. Dillip Kumar Biswal ; Mr. Krushna Keshab Baral have successfully participated & completed 01-Day face-to-face FDP on “*UHV Leadership*” Organized by **Biju Patnaik University of Technology, Odisha**, conducted in collaboration with AICTE National Coordination Committee for Induction Program (NCC-IP) at College of IT & Management Education (CIME), Bhubaneswar on **06/06/2025**.

## NPTEL Online Course Certification

Dr. Sunita Pahadasingh has successfully completed STTP NPTEL online course certification on “*Smart Grid: Basics to Advanced Technologies*” with (Silver+Elite) from Jan/April 2025 (12 week)

Dr. Sunita Pahadasingh has successfully completed STTP NPTEL online course certification on “*Power System Engineering*” with (Elite) from Jan/April 2025 (12 week)

## Grant Received

Rs. 2,00,000/- (Rupees Two Lakh Only) is approved to conduct seminar on “*Energy, Sustainability & Climate Change*”, under **AICTE-VAANI Scheme** in offline mode.  
**F. No. AICTE/VAANI/2.0/2025-26/132/2969134339, Date-20/06/2025.**

## Contribution

Sunita Pahadasingh, P C Nayak, A Panda, C Jena, B panda (2025), *ICOA Based Load Frequency Control Optimized ITDF Controller Integrating Distributed Generation Resources*. IEEE International Conference on Industrial Electronics: Developments & Applications (ICIDeA) 2025, PP -1-6. DOI: [10.1109/ICIDEA64800.2025.10963333](https://doi.org/10.1109/ICIDEA64800.2025.10963333).

S Pahadasingh, G Hanumantharao, C Jena, P Samal and P C Nayak (2025), *Modified Gravitational Search Algorithm Based Load Frequency Control Incorporated with Renewable Energy Sources*. IEEE International Conference on Energy, Power and Environment (ICEPE 2025), (Accepted & Presented)

Kamalakanta Muduli, Bikash Ranjan Moharana, Steve Ales, and Dillip Kumar Biswal, (Editors) (2025). *Using Computational Intelligence for Sustainable Manufacturing of Advanced Materials*. IGI Global Publication. DOI: [10.4018/979-8-3693-7974-5](https://doi.org/10.4018/979-8-3693-7974-5). ISBN13: 9798369379745, ISBN13 Softcover: 9798369379752, EISBN13: 9798369379769. <https://www.igi-global.com/book/using-computational-intelligence-sustainable-manufacturing/349887>.

Dillip Kumar Biswal, (2025). *A Review on Current fabrication strategies and application of Ionic polymer Metal Composite (IPMC) Actuator*. Accepted for presentation in the 38<sup>th</sup> National Convention of Metallurgical and Materials Engineering & Conference on “Capacity Building in Process Metallurgy” to be held on 26-27<sup>th</sup> July, 2025 at NIT Rourkela Campus. (Accepted)

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## Vision of the Institute

To become a leading engineering institution of the state by impacting quality technical education at affordable costs to create skilled and motivated engineers to serve the technological requirements of society in different ways.

## Mission of the Institute

- To impart contemporary technical education and skills to students of different socio-economic background
- To equip students with analytical learning and real life problem solving
- To make learning a continuous endeavour compatible with market needs
- To promote the spirit of leadership, entrepreneurship, innovation and ethics

*Chief Patron*

DR. MADHUMITA PARIDA  
CHAIRPERSON, AIET

*Patron*

ER. ANTARYAMI BADU  
CMD, AIET

*Editorial Board*

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PRINCIPAL, AIET

MR. ARUN KRUSHNA PADHIHARI  
ASST. PROF, AIET

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