

## Synergy Group of Institutions

### Message from The Chairman.....

#### “Our Journey is Short – Let’s Make It Meaningful”



A few days ago, I came across a simple yet profound story. A woman boarded a bus and sat down beside a man, inadvertently hitting him with her bags. When she asked why he didn’t complain, the man smiled and gently replied, “There is no need to be upset about something so insignificant, as our journey together is so short. I’m getting off at the next stop.” These words lingered with the woman, as they did with me. They remind us that life is indeed brief, unpredictable, and fragile. Recent events, especially the devastating Pahalgam attack, have reminded us of the deep uncertainty that shadows our world today. Innocent lives, dreams, and stories came to an abrupt end. The brutality of such acts is a reflection of a disturbing mindset that festers in bitterness, hatred, and anger. In such a time, we must ask ourselves: How do we want to travel this journey of life? We live in an age where arguments escalate

quickly, relationships crack under ego, and forgiveness is seen as weakness. We often carry emotional baggage heavier than that woman’s bags on the bus. But perhaps, like the man, we too should respond with a smile and grace. Because our journey is too short to fill it with resentment, jealousy, or pride.

**If someone wrongs you — forgive. If someone offends you — stay calm. If someone betrays you — let go.**

Let us not waste the gift of time in trivial disputes or toxic emotions. Instead, let us choose to be kind, even when we don’t have to. Let us choose to be generous, even when the world feels selfish. Let us become torchbearers of peace and empathy, especially in these testing times. In our institute, as in life, we may meet hundreds of people — some we grow close to, others just pass by. But we can decide whether our presence adds peace or pain. As students, educators, and human beings, we are all co-travelers on this fragile journey. So let us build each other up, rather than tear down. Let us carry forward a legacy of understanding, harmony, and goodness. Our journey together is very short. Let’s make it beautiful, meaningful, and worthy.

(Binod Dash)

Chairman & Managing Trustee, Synergy Group of Institutions

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## Seminar cum workshop conducted at Synergy, Bhubaneswar

### Department of Mechanical Engineering:

Department of Mechanical Engineering, Synergy Institute of Technology, Bhubaneswar has commenced the Product Development and Project Designing Programme in collaboration with our MoU partner UTKAL ROBOTRONICS, Bangalore, Karnataka, starting from 07/04/2025. This 15-day program focuses on the design and product development of a Pick and Place Robot, integrating cutting-edge technology and practical learning under the supervision of our faculty in charge Dr.Viswa Mohan Behera.

An Industrial Visit to Skill Development Institute, Bhubaneswar was conducted by Department of Mechanical Engineering, Synergy Institute of Technology, Bhubaneswar on 19/03/2025.

Department of Mechanical Engineering, Synergy Institute of Technology, Bhubaneswar has successfully conducted an Expert Talk on date 10/01/2025, wherein the students were given insightful knowledge by the Expert Mr.Biswaranjan Sethy (Technical Head, Utkal Robotronics, Bengaluru).



### Department of Civil Engineering:

A One-day workshop on “**Skill Development Programme**” was organized by Department of Civil Engineering of Synergy Institute of Technology, Bhubaneswar in collaboration with Ultra Tech Cement Ltd. (Aditya Birla) on 10<sup>th</sup> January 2025 at Synergy Institute of Technology, Bhubaneswar.

### Department of Computer Science Engineering:

A Seminar on “**Campus to Corporate**” was conducted by Computer Science & Engineering Department of Synergy Institute of Technology, Bhubaneswar under Computer Science Engineering Society on 11/03/2025 in collaboration with Camus Colts, Bhubaneswar. This event equipped students with essential professional skills and industry insights, bridging the gap between academic learning and corporate expectations.

### Department of Electrical Engineering:

Students from Department of Electrical Engineering, Synergy Institute of Technology, Bhubaneswar, went for an Industrial visit to IOT based Microgrid Solar Power Station, Athamallik on 31.12.2024.

## Climate Congress Seminar On Empowering Indian Youth For Global Leadership In Science ,Innovation And Climate Action at Synergy, Bhubaneswar

Synergy Institute of Technology, Bhubaneswar had organized 13TH Climate Congress Seminar on “**Empowering Indian Youth For Global Leadership In Science, Innovation and Climate Action**” for Vikasit Bharat on 28<sup>th</sup> February, 2025 at 3pm in seminar hall of the Institute. Prof. Sanjay Kumar Samantarai (President), Dr.P.K.Pattajoshi, Er.Pramod KumarNayak and Sri.NiharRanjanAcharyawere the Guest Speakers of the Programme. They created awareness about the importance of adverse effect of climate change and the roles Indian youth should play to protect their environment.





## Newsletter

### Seminar cum workshop conducted at Synergy, Dhenkanal

#### Department of Civil Engineering:

One day National Seminar was organized by Civil Engg. Department on Dt. 19/03/2025 on “SUSTAINABLE TRENDS IN GEOTECHNICAL ENGINEERING” in conference hall. In which Dr. Maheswar Maharana, Retd. Professor, as Chief Guest presented his lectures. He mainly clarify on how Sustainable trends in geotechnical engineering focus on minimizing environmental impact through innovative materials, techniques, and practices, including the use of recycled materials, energy-efficient ground improvement, and sustainable land use planning. 63 no's students were attended the seminar & also provided the certificate to them.

#### Department of Mechanical Engineering:

The Department of Mechanical Engineering, successfully organized a one-day workshop on “3D Printing and Additive Manufacturing” on 4<sup>th</sup> March, 2025. The session was conducted from 11:00 AM to 04:00 PM and witnessed enthusiastic participation from students and faculty members. We were privileged to have Mr. Priyadarshi Shubhakanta, Faculty from Central Tool Room & Training Centre (CTTC), Bhubaneswar, as the resource person for the workshop. He delivered a highly engaging session that offered valuable insights into the latest advancements in additive manufacturing technologies. As a part of the hands-on demonstration, CTTC Bhubaneswar brought a functional 3D printer to the institute, enabling participants to get real-time exposure to the working of the machine. Under the guidance of Mr. Shubhakanta, students designed their own 3D models using CAD software, which were later printed using the 3D printer on-site. Several impressive models were successfully fabricated during the session, which sparked great interest among the attendees and provided them with a first-hand experience of turning digital designs into physical objects. The live demonstration not only helped participants understand the complete workflow of additive manufacturing but also highlighted its relevance and applicability in real-world engineering solutions. The convenor of the program was Mr. Debasish Rout.

#### Department of Electrical Engineering:

A one day National Seminar on “Power Electronics Applications in Power System” was organized in the Department of Electrical Engineering in Synergy Institute of Engineering and Technology, Dhenkanal on dated 07<sup>th</sup> February 2025. Dr. Sarat Kumar Sahoo, Head of the Department of Electrical Engineering, Parala Maharaja Engineering College was the Chief Guest and Chief Speaker of the program. Er. Satyabrata Pandab, Sr. Engineer CTTC, Bhubaneswar was the Guest of honour. Dr. L. Dhall Samant Professor was the Co-Ordinator and Prof. Sanjay Sathua Mohapatra was the Co-Co-Ordinator of the program. 135 students participated in this seminar and made it a success. This program was appreciated by all corners.

The Department of Electrical Engineering celebrated its 20<sup>th</sup> Annual Tech fest “**Resonance 2025**” for one day on dt. 9<sup>th</sup> April 2025. Er. Jyosna Rani Pradhan, DGM (Elect.) OPTCL, Dhenkanal was the chief guest of the function. Er. Sampurna Das, DM (Elect.), OPTCL Dhenkanal was the guest of honour. There were 15 events organized and the total numbers of participants of all semesters were 150. Director Dr. P.K. Nayak delivered his inaugural speech and Dr. Itishree Mohanty Director (Admin.) delivered the welcome address. The department HOD Prof. S.S. Pati, presented the departmental Annual report. Prof. S.S. Mohapatra co-ordinator proposed the vote of thanks. The function was very successful and was appreciated by all concern.

Two Industrial lecture classes on the topic “Control of various Electric Drives & Electrical Machines through Industrial Automation employed in a Steel & Power Plant” have been organized on date 22-02-2025 & 08-03-2025 by Er. Ananta Kumar Mishra, DGM (Works), Narbheram Steel & Power, Dhenkanal. Almost 65 students of Electrical Engineering attended the class.

The students of 4<sup>th</sup> & 6<sup>th</sup> semester Electrical Engineering had a visit to Chipilima Hydro Electric Project at Chiplima, Sambalpur on 29<sup>th</sup> January 2025. The students gained knowledge regarding the generation of electrical power where 3X 24MW generators have been employed for generation of electricity in a hydro electric power plant.

The students of 4<sup>th</sup> & 6<sup>th</sup> semester Electrical Engineering had a visit to 132/33KV Gundichapada grid substation, Dhenkanal on 4-4-2025 as a part of Industrial visit. The students gained knowledge regarding various electrical equipments and their functions associated with the Electrical substation.





### SYNFEST 2K25 – Days 1 & 2 Highlights



As part of the Silver Jubilee celebrations of Synergy Institute of Engineering & Technology (August 2024–July 2025), the much-anticipated annual cultural fest SYNFESt 2K25 commenced with great enthusiasm and grandeur on February 11 and 12, 2025.

The inaugural day featured a formal ceremony graced by Raja Saheb Brigadier K.P. Singhdeo as Chief Guest, who reflected on Synergy's 25-year journey. Prof. (Dr.) Amiya Kumar Rath, Vice Chancellor of BPUT, inaugurated the festival, inspiring students to actively engage in academic and cultural pursuits. Chairman & Managing Trustee Shri Binod Dash encouraged young engineers to embrace education as a pathway to face life's challenges. A spiritual note was added with a soulful 'Sunderkand Path' and bhajans by Pandit Ajay Yagnik Ji, creating a serene and devotional atmosphere.

Day 2 was dedicated to the B.Sc. Nursing and Diploma wings. The event was enriched by the presence of Chief Guest Dr. N.D.C. Behera (District CDMO), Chief Speaker Mr. Ved Prakash Thakur (TATA Steel), and Guest of Honour Mr. Vivek Krishna (Rungta Mines), all of whom emphasized health, skill-building, and future opportunities for students. Formal presentations, cultural reports, and vibrant student performances brought the evening to life, blending tradition with creativity and reinforcing Synergy's legacy of excellence.

The first two days of SYNFESt 2K25 set a powerful tone of celebration, reflection, and inspiration—truly a fitting beginning to a four-day cultural saga.

### SYNFEST 2K25 – Days 3 & 4 Highlights: A Grand Finale to the Silver Jubilee Celebrations

The final two days of SYNFESt 2K25, held on February 13 and 14, 2025, marked a glorious culmination of Synergy Institute of Engineering & Technology's Silver Jubilee celebrations—blending academic milestones, cultural vibrancy, and heartfelt nostalgia.

Day 3 was marked by the prestigious Graduation Day Ceremony, where graduating students from SIET and SISM received their degree certificates amidst pride and applause. The day also featured touching reflections on Synergy's 25-year journey and inspiring addresses by institutional leaders. The atmosphere turned festive with enchanting performances by young winners of the Interschool Dance Competition and spirited cultural presentations by Synergy students, concluding with prize distributions that celebrated talent and dedication.

The grand Valedictory Function on Day 4 brought the celebrations to an emotional and energetic close. Distinguished guests, including MPs Shri Rudranarayan Pany and Shri Rabindra Narayan Behera, lauded Synergy's journey and contributions to technical education. Chairman Shri Binod Dash reaffirmed the institution's vision for future excellence, while the Silver Jubilee Convener Mrs. Kalpana Sahu traced Synergy's evolution with grace and foresight. The Best Student Volunteer Award was presented to Mr. Subrat Singh (4th Year, Mechanical) for his outstanding contributions. Mrs. J. Momin, HoD of English, delivered a touching Vote of Thanks that encapsulated the spirit of unity, perseverance, and excellence.

The celebrations concluded with a dazzling Star Night, featuring Odia music sensations and electrifying dance performances by the RDX Troupe—leaving every Synergian with lasting memories of pride, joy, and inspiration. Together, Days 3 and 4 of SYNFESt 2K25 beautifully encapsulated the spirit of Synergy—honoring its legacy, celebrating its people, and inspiring the future.





## Newsletter

### SYNSATION 2K25



Synergy Institute of Technology, Bhubaneswar, successfully organized its Annual Cultural Function SYNSATION 2025 on 27th and 28th March 2025. Dr. Pravas Chandra Acharya, Publisher, Printer, and Editor of the Oriya newspaper The Samaj, graced the occasion as the Chief Guest. Sri Binod Dash, Chairman and Managing Trustee, along with Trustee Er. Ajaya Kumar Sahu, were the Guests of Honour. During the event, faculty members, staff, and students were felicitated with prizes for their outstanding achievements in academics and various competitions held throughout the year.



### A Trailblazing Triumph: Synergy Bhubaneswar Earns NBA Accreditation at First Go!

With immense pride, we announce a landmark achievement for Synergy Institute of Technology, Bhubaneswar — the conferment of NBA Accreditation in 2025. This prestigious recognition reflects our unwavering commitment to academic excellence, innovation, and quality in engineering and technical education.

The National Board of Accreditation conducted an academic audit from February 21–23, 2025, visiting the Departments of Mechanical Engineering, Electrical Engineering, and Computer Science Engineering. Following a thorough evaluation, the Departments of Mechanical and Electrical Engineering were granted NBA Accreditation.

Remarkably, Synergy Bhubaneswar secured NBA accreditation in its very first attempt — a rare distinction that highlights our foundational strength and dedication to quality from the outset. This milestone reaffirms our legacy of growth and excellence.

We extend heartfelt gratitude to our visionary Chairman and Managing Trustee, Sri Binod Dash Sir, whose inspiring leadership and steadfast support continue to guide Synergy's success. This achievement is a collective triumph — made possible by the relentless efforts of our faculty, staff, and students.

As we celebrate this honour, we remain committed to setting new benchmarks and shaping a future driven by innovation, inclusivity, and impact.





## International Women's Day at Synergy, Bhubaneswar

The International Women's Day was celebrated on 8<sup>th</sup> March 2025 at 3pm in the Seminar hall of Synergy Institute of Technology, Bhubaneswar. Prof. Dr. Snehalata Mishra (Principal of Raghunath Jew Junior College and Senior News Editor of DD News) and Prof. Dr. Sasmita Mishra (Professor of Department of CSE IGIT College of Sarang) served as Guest Speakers & addressed the Students and Faculty Members of the Institute.

## International Women's Day at Synergy, Dhenkanal

Synergy, Dhenkanal celebrated International Women's Day on March 11 with great enthusiasm, recognizing and honoring the social, economic, cultural, and political contributions of women. The event also served as a call to action for advancing gender equality. The program commenced with a warm welcome by Director Dr. P. K. Nayak, followed by an insightful address from the Director (Admin), Dr. Itishree Mohanty who elaborated on the theme of the day. The Guest of Honor, Assistant Industries Officer of Dhenkanal, Miss Sasmita Baskey, emphasized the significance of skill development and equal access to opportunities for women. She underscored the idea that skills have no gender, advocating for equal access to vocational education and apprenticeships for both young women and men. The Chief Guest, District Education Officer Smt. Binita Senapati, highlighted the invaluable contributions of women in education and various other fields, inspiring both students and educators. The event was seamlessly coordinated by IQAC Coordinator and HoD Physics, Dr. J. Singh, and concluded with a heartfelt vote of thanks by HoD Management and Convener of the Silver Jubilee Celebrations Mrs K. Sahu.

## 17th Annual Athletic Meet of Synergy, Dhenkanal

17<sup>th</sup> annual athletic meet of Synergy Dhenkanal was organized on 23<sup>rd</sup> and 24<sup>th</sup> of December 2024. Director, Dr. P. K. Nayak, Director (Admin) Dr. Itishree Mohanty and Principal SSE Prof P. K. Nayak were among the distinguished guests for both days. All of the dignitaries focused on importance of games and sports for the whole development in human life. Students of BTech, Diploma and BSc participated in different events and won prizes. 2<sup>nd</sup> year Electrical students Ashutosh Routray and Budhimati Dehuri were bagged for the championship among BTech students. Similarly in the diploma wing 3<sup>rd</sup> yr student Satyasanatan Dehuri and 2<sup>nd</sup> year student Rasmita Majhi of Computer Science were the Athletic champions. 2<sup>nd</sup> year Botany honours student Pragnyan Lenka was the girls champion among BSc students. PET Mr. A. Bihari and Mr. P. Rout of DPS Dhenkanal cooperated throughout the meet. The annual athletic meet was successfully coordinated by convener games and sports Dr. Jayashree Singh and co convener Mr. Debashis Bihari.

## Graduation Day at Synergy, Bhubaneswar

Synergy Institute of Technology, Bhubaneswar had organized the Graduation Day on 26<sup>th</sup> March 2025 at 10 am in the Seminar Hall of the Institute. Er. Mahesh Prasad Dash (Chief Project Manager, GRIDCO, Govt. of Odisha) & Dr. ManasRanjan Senapati (Former Dean Computer Science BPUT, ISTE General Secretary Odisha Chapter) as Chief Guest awarded B.Tech Graduation Certificates to 2023-2024 Graduate Students.

## TATA Marathon at Kapilash Promotes Go Green Mission India

On 11<sup>th</sup> January 2025, TATA successfully organized a marathon at Kapilash with an overwhelming response from participants. A significant number of students from Synergy School of Engineering, Dhenkanal, actively participated in the event. The marathon aimed to promote the "Go Green Mission India," encouraging environmental awareness and sustainable practices among the youth and community. The enthusiastic involvement of students highlighted their commitment to supporting this noble cause for a greener and cleaner future.

## Celebration of National Science Day at Synergy, Dhenkanal

To promote scientific awareness, recognize contributions to science, and inspire innovation, Synergy Institute of Engineering and Technology celebrated National Science Day on 11-03-2025. The theme for National Science Day 2025 is "Empowering Indian Youth for Global Leadership in Science & Innovation for Viksit Bharat. The programme is co-ordinated by Dr. Jayashree Singh (HOD, Physics) followed by speech on National Science Day delivered by Dr. Itishree Mohanty (Director, Admin), Dr. P.K. Nayak (Director), Dr. Matruprasad Dash (Principal, BSc wing) and Mr. Ananta Kumar Sahu (Principal Incharge, Diploma Wing). Eminent speaker Dr. M.M. Rout, District Science Officer, Dhenkanal joined as a Chief Guest and Dr. Debasis Mohanty, HOD Chemistry, Dhenkanal Autonomous College joined as a Chief Speaker. They highlighted the importance of science and to inspire students, promote research, and highlight India's scientific contributions. The vote of thanks was delivered by Dr. Subhakanta Dash (HOD, Chemistry) and shared the information on strategic step taken by Governments of India to boost science and Technology.

## Republic Day at Synergy, Dhenkanal

Synergy group of Institutions celebrate Republic Day with the students and staff members of all the streams. Director Dr. P. K. Nayak hoisted the national flag and addressed the gathering. Director Administration Dr. I. Mohanty, Principal Synergy College of Nursing Prof. Sivakami Jayakrishnan, Principal Synergy School of Engineering Prof. P. K. Nayak, Principal Incharge Synergy Institute of Science & Management Dr. J. Singh were present as the dignitaries in the celebration.

## A parent-teacher meeting was organized by Synergy School of Engineering, Dhenkanal

A parent - teachers meeting was held on 04/03/25 which was presided by the Principal and the matters that were discussed were academic progress, student attendance, student projects, hostel matters, students' information system and various others.

## Newsletter

### One Day Study Tour program organized by SISM, Dhenkanal

A study tour was organized for the students of SISM Dhenkanal to Paradeep on 9th March 2025. Students visited Paradip Refinery which is IndianOil's first refinery with single Atmospheric Column for processing 15.0 Million Metric Tonnes Per Annum. Apart from that they visited the largest Fishing Harbour of the state and one of the major Fishing Harbours of the country. In the evening students also visited the Maa Sarala Pitha, also known as Jhankad Sarala Temple. The Program was successfully coordinated by Dr. Jayashree Singh H.O.D Physics & Dr. Subhakanta Dash, H.O.D Chemistry along with other teachers of different departments.

### One Day Study Tour program organized by CSE Dept. Synergy School of Engineering, Dhenkanal

On 27th March 2025, a group of students and faculty members embarked on an educational study tour to STPI Bhubaneswar, Odisha. The visit aimed to bridge the gap between theoretical knowledge and practical application by exposing students to modern digital fabrication technologies.

### One Day Study Tour program organized by Mining Dept. Synergy School of Engineering, Dhenkanal

On 1st March 2025, a group of 42 enthusiastic students from the Department of Mining Engineering, Synergy School of Engineering, embarked on an insightful study tour to the Barsuan Iron Mine, operated by SAIL, located at Tensa in Sundergarh district. The visit was guided by the Head of the Department, Shri Binay Mohapatra, and was accompanied by Lecturer Shri Biswambar Majhi and Shri Tapas Samal. The tour provided students with a hands-on understanding of the various mining operations and safety practices in an open-cast iron ore mine. It served as a valuable learning experience, blending theoretical knowledge with practical exposure in a real-time mining environment.

### International Day of Happiness Celebrated at Synergy, Dhenkanal

The International Day of Happiness serves as a reminder of the significance of joy and well-being in our lives. Embracing this spirit, Synergy Dhenkanal joyfully observed the occasion on March 20, 2025, with great enthusiasm and positivity. The event featured Shilpi Paresch Pattnaik, a distinguished teacher from B.B. High School, as the guest speaker. A gifted actor and artist by birth, he inspired young minds with his insightful discourse on happiness. He emphasized the importance of resolving life's challenges with a positive outlook, cultivating gratitude, engaging in enjoyable activities, fostering healthy relationships, and prioritizing both physical and mental well-being. The program commenced with an address by Director Dr. P. K. Nayak, while Director (Administration) Dr. I. Mohanty eloquently presented the theme of the day. Students and faculty participated with great enthusiasm, making the celebration a memorable one. The event was seamlessly coordinated by IQAC Coordinator and HOD of Physics, Dr. J. Singh, ensuring its smooth execution. The proceedings concluded with a warm vote of thanks delivered by HOD of English and Co-Convenor, Mrs. J. Momin, expressing gratitude to all contributors and participants.

### Pitch Day celebrated at Synergy, Bhubaneswar

The Department of Mechanical Engineering, Synergy Institute of Technology, Bhubaneswar successfully conducted Pitch Day on 26/03/2025: The Power of Innovation with great enthusiasm. The expert for the session was Miss SaiSnata Dash, Founder & CEO of Grassion Fitness Pvt. Ltd., a Google Certified Product Manager and UN's Karmaveer Chakra Awardee. The event witnessed active participation from students, engaging in insightful discussions with the expert. Key highlights included: Discussion on new innovations like measuring health parameters using evaporation of body sweat. Future collaboration plans to foster innovation and research. Support for idea generation and implementation in upcoming projects.

### Students Achievements of Synergy, Dhenkanal & Bhubaneswar

Ms Smruti Smaranika Mishra, 4th Yr (B.Tech) student of CSE Dept. Synergy, Dhenkanal bagged 3rd position in district level patriotic song competition.

Ms. Trisha Mohanty, 2nd Yr (B.Tech), student of CSE Dept. Synergy, Dhenkanal stood 2nd in National Level Srinivasa Ramanujan Mathematical Competition 2024, conducted by ISTE, New Delhi.

Mr. Kirti Swagat Pattnayak & Mr. Goverdhan Das from CSE Dept. Synergy, Bhubaneswar bagged 1st Prize in the Bridge Building Contest at GIFT College, Bhubaneswar held on 21.03.2025.

Ipsha Mohanty & Annanya Jena 6th Sem (B.Tech) students of CSE Branch Synergy, Bhubaneswar, secured 3rd prize in Group debate competition at BPUT TECH CARNIVAL 2024-25.

Abhisek Krupasindhu Majhi 6th Sem (B.Tech) student of ME Dept. Synergy, Bhubaneswar bagged 3rd Place in Ideathon for "Dual-Fuel, Natural Draft Smokeless Chula" – A breakthrough for clean and efficient rural cooking" at BPUT TECH CARNIVAL 2024-25.

Jitendra K. Maharana (8th Sem) & Dibya P. Barik Barik (6th Sem) B.Tech student of ME Dept. Synergy, Bhubaneswar were the winners of Tech Innovation Challenge for "Solar Operated Paddy Thresher" – at BPUT TECH CARNIVAL 2024-25.

The Projects of students from ME Dept. Synergy, Bhubaneswar namely 1. Smokeless Chulha & 2. Spring-Assist Irrigation System Without Any External Sources—have been selected and awarded in the prestigious National level Project Competition, "Anveshan", supported by "SYNOPSIS (an American company)" and "The Agastya International Foundation" held on 18-19/02/2025. Both projects have been awarded a grant of Rs. 5000/- each.

## Workshop/Conference/FDP Attended by the Staff of Synergy, Dhenkanal & Synergy, Bhubaneswar

Asst. Prof.Chandan Kumar Behera from Dept of CE, Synergy , Bhubaneswar, attended 5 days FDP on Advancement in micro fluidic Technology organized by Research MIT College of Railway Engineering and Research, Barshi during 2<sup>nd</sup> February 2025 to 24<sup>th</sup> February 2025.

Asst. Prof.Chandan Kumar Behera from Dept of CE, Synergy , Bhubaneswar, attended 5 days FDP on Sustainable engineering for future infrastructure organized by Dream institute of Technology, Kolkata during 11<sup>th</sup> February 2025 to 15<sup>th</sup> February 2025.

Asst. Prof.Chandan Kumar Behera from Dept of CE, Synergy , Bhubaneswar, attended 5 days Short Term Course on Emerging trends in numerical sand experimental techniques in structural engineering organized by NIT,Rourkela during 15<sup>th</sup> February 2025 to 19<sup>th</sup> January 2025.

Asst. Prof.Lopamudra Sahoo from Dept of CE, Synergy , Bhubaneswar, attended 5 days Short Term Course on Emerging trends in numerical sand experimental techniques in structural engineering organized by NIT,Rourkela during 15<sup>th</sup> February 2025 to 19<sup>th</sup> January 2025.

Asst. Prof.Karisma Mohapatra, from Dept of CSE, Synergy , Bhubaneswar,attended NPTEL FDP on “Python for Data Science”.

Asst. Prof.Karisma Mohapatra, from Dept of CE, Synergy , Bhubaneswar,attended online FDP on “Next Generation wireless communication System” at Lakireddy Bali Reddy College of Engineering, Andhra Pradesh, India.

Prof.SS Pati attended the Workshop on NEP2020 conducted by BPUT at Bhubaneswar on 11-4-2025.

Prof.Ellora Das & Prof.Sanjay Sathua Mohapatra have completed AICTE Training And Learning (ATAL)Academy Faculty Development Program on “The ROLE of Artificial Intelligence and Machine Learning in Electric Vehicle Technology” at K Ramakrishnan College of Technology from 10/2/2025 to 15/02/2025.

Mr. Debasish Rout, Asst. Prof., from Dept of ME, Synergy , Dhenkanal,participated virtually and presented a research paper at the International Conference on Advanced Materials Sustainable Future (ICAMSF-2025) organised by Chitkara University Punjab on 28<sup>th</sup> & 29<sup>th</sup> March, 2025.

Mr. Bijanananda Mishra and 3 nos. of students from Dept of ME, Synergy , Dhenkanal,attended an International Symposium on “Engineering Functional Materials for Sustainable Societal Application” (ISEFMSSA-2025) on 10<sup>th</sup> to 12<sup>th</sup> January, 2025 at GIET University.

Mr.Ananta Kumar Sahoo, Mr. Amarendra Behera,Mr. Manmohan Panda, Ms.Sunandita Sahoo The following lectures of Dept.of EE. SSE, Dhenkanal had participated and completed AICTE training and learning (ATAL) FDP on “The Role of Artificial Intelligence and Machine Learning in Electric Vehicle Technology” at K RAMAKRISHNAN COLLEGE OF TECHNOLOGY from 10/02/2025 to 15/02/2025.

Mr. Satya Prakash Rout,HOD, Ms. Kiranabala Behera Lecturer, Mr. Manmohan Murmu Lecturer, Mr. Kedarnath Behera Lecturer of Dept.of CE. SSE, Dhenkanal, successfully completed their five days (hybrid) FDP on ‘Materials, Methods & Technologies in Civil Engineering’. The programme was organized by Department of Civil Engineering, ANAND- ICE, JAIPUR from 24/2/2025 to 1/3/2025.

Mr. Binay Mohapatra, HOD, Mining Engineering at SSE, Dhenkanal, successfully completed the AICTE Training and Learning (ATAL) FDP on Advanced Materials, Rare-earth & Critical Minerals held at Government College of Engineering, Bargur from 17<sup>th</sup> to 22<sup>nd</sup> February 2025.

Mr. Girish Ch. Swain, Mr. Mihir Ku Swain and Mr. Somanath Sethy from Dept of ME, Synergy , Dhenkanal, attended FDP on Advanced Manufacturing In The Context of Industry 4.0 & Industry 5.0 organized by Gandhi Institute of Excellent Technocrats, Bhubaneswar during 17<sup>th</sup> February 2025 to 22<sup>nd</sup> February 2025.

Mr. Biswajit Mishra from Dept of ME, Synergy , Dhenkanal, attended 5 days FDP on Nanomaterial & Energy Storage- Sustainable future organized by K.S. School Of Engg & Mgmt, Bengaluru from 3<sup>rd</sup> – 8<sup>th</sup> Feb 2025.

## Paper Publication /Paper Presentation /Book Publication by the staff of Synergy,Dhenkanal & Synergy,Bhubanswar

Ramesh Chandra Nayak et al.fromDepartment of Mechanical Engineering, Synergy Institute of Technology, Bhubaneswar,Presented the work “A novel irrigation system for farming towards environmental sustainability in India” at 7<sup>th</sup> International Conference on Agriculture for Food Security & Nutrition (Agri Vision-2025). Jointly Organized by: The Society for Agricultural Research & Management (SARM) & the Odisha University of Agriculture and Technology (OUAT) Jan 17-19, 2025, OUAT-Bhubaneswar, Odisha, India.

Ramesh Chandra Nayak, Mohammad Sohail Pervez, AkshataMusale,SudhansuSekhar Singh, NareshPatra, fromDepartment of Mechanical Engineering, Synergy Institute of Technology, Bhubaneswar,presentedPaper ID SME 1054 entitled “Design and development of a simple gear train energy harvester to generate green energy from sea waves” has been Presented for the Sixth International Conference on Smart and Sustainable Developments in Materials, Manufacturing and Energy Engineering (SME-2025) during 06 - 07, February 2025 at NMAM Institute of Technology, Nitte. Mangalore, Karnataka, India.Publication: Springer’s Book Series on “Sustainable Civil Infrastructures (SUCI), indexed in SCOPUS, EI-Compendex.

Ramesh Chandra Nayak,Anjan Kumar Sahu (fromDepartment of Mechanical Engineering, Synergy Institute of Technology, Bhubaneswar), AkshataMusale, DebashreePadhi,manuscript “Innovative Approaches to Brick Curing for Sustainable and Resilient Infrastructure” has been presented for publication in the International Conference on Civil Engineering Trends and Challenges for Sustainability (CTCS-2025). NMAMIT, Nitte.

Published:Ramesh Chandra Nayak(fromDepartment of Mechanical Engineering, Synergy Institute of Technology, Bhubaneswar), et al.manuscript (2025). Application of Industry 4.0 for Enhancing Climate Compliant Irrigation System in Agriculture. In: Saini, M.K., Goel, N., Miguez, M., Singh, D. (eds) Agricultural-Centric Computation. ICA 2024. Communications in Computer and Information Science, vol 2207. Springer, Cham. [https://doi.org/10.1007/978-3-031-74440-2\\_9](https://doi.org/10.1007/978-3-031-74440-2_9).

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## Faculty Achievements by the staff of Synergy ,Dhenkanal & Synergy,Bhubanswar

A design patent has been officially granted by the United Kingdom Intellectual Property Office (UKIPO) for an innovative AI-based Food Quality Checking Device, developed by Dr. Prashant Kumar Nayak, Director, & Er. Ellora Das, Asst. Prof EE Dept. Synergy Dhenkanal and others. The design has been registered under UK Design Number 6430087, with the registration date of 13 March 2025 and grant date of 20 March 2025, under International Classification Class 10-05, covering instruments, apparatus, and devices for checking, security, or testing.

Ramesh Chandra Nayak, HOD, Department of Mechanical Engineering, Synergy Institute of Technology, Bhubaneswar, received YOUNG SCIENTIST award by The Society for Agricultural Research & Management (SARM) & The Odisha University of Agriculture and Technology (OUAT) on Jan 17-19, 2025, at OUAT-Bhubaneswar, Odisha, India.

Dr. Jayashree Singh, H.O.D Physics & IQAC Coordinator has participated in the International Conference and presented a poster during 41st Annual Convention of the Orissa Physical Society (OPS) in conjunction ”International Conference on Emerging Trends in Physics (ICETP-2025) was scheduled during 8<sup>th</sup> - 10<sup>th</sup> February2025 at KIIT University, Bhubaneswar.



## Newsletter

### Training & Placement at Synergy, Dhenkanal & Bhubaneswar

During this academic year, 470 students of Synergy Institute of Engineering & Technology, Dhenkanal & 129 students of Synergy Institute of Technology, Bhubaneswar got placed in reputed corporate organizations like WIPRO INDUST. (P), MICRO TURNER, RONCH POLYMER, COLLABERA TECHNOLOGIES(P) LTD, BARCOM INDUSTRIES LTD, COGNIXIA, MERCEDES BENZ, KALISMA STEEL, DIGICALL, SILLICON TECH(STL) AMTEK AUTO LTD., ROTODYNE SUMUKH ENGG. PVT. LTD., INDO ALUSYS INDUSTRIES LTD, E.TECH GS, PARAGON TECH TNS GLOBAL, RONCH POLYMERRANGAM INFO, PRECISION ENGG, ROTODYNE, EPITOME ENGI, RESEARCH-IN BHUMI, CLEBRIT CHIF, AIU CONSULTANY, HATIM TECH, AFFINITY etc. SILLICON TECH(STL) COGNIZANT, CAPGEMINI, MINDTREE. The following is a list of students who have been selected by different companies in the recent campus from January to March 2025.

SYNERGY, DHENKANAL				SYNERGY, BHUBANESWAR	
TECH-MAHINDRA		MRFTYER LTD, HYDRABAD		MRFTYER LTD, HYDRABAD	
PALLAB MAHATHA	CS	PRIYANSHU MAHABHOI	ME	DEEPAK KUMAR MOHANTY	CSE
SUBRAT S. SINGH	ME	SUMAN SUMIT SAHOO	EE	SUBHAM MISHRA	CSE
NIKITA PATTANIK	CS	SAHIL SENA	EE	PALLAB MAHATO	CSE
ASHUTOSH NANDA	CS	SIBYANARAYAN MISHRA	CSE	SAMEER KUMAR SAHOO	CSE
SNEHA TRIPATHY	CS	SOUBHAGYA R. PRUSTY	CSE		
OMKAR MOHANTA	CS	MILAN BEHERA	ME		

### ALUMINI TALK AT SYNERGY, DHENKANAL

The department of Computer Science and engineering organised a alumni talk by Abhijeet Das (2002-2006 Batch) of CSE Branch on the latest industry requirements and career development. He is currently working as Practice Lead, Quality Engineering in Toronto Dominion Bank, Canada. The institute is indebted for his efforts for the development of the students.



### ALUMINI TALK AT SYNERGY, BHUBANESWAR

Department of Mechanical Engineering, Synergy Institute of Technology, Bhubaneswar has successfully conducted an Alumni Talk on "Transitioning from students to Young Professionals" where the students were addressed by Mr. Spandan Barik (Senior Software Engineer, Damacloid Technology Pvt. Ltd) on date 20/03/2025.



An Alumni Talk was conducted on Date: 07/01/2025 by Department of Civil Engineering of Synergy Institute of Technology, Bhubaneswar, where the chief speaker, Er. Manish Mohit Junior Engineer, Eastern Railways, Howrah Division, addressed the students about 'Modernisation of Indian Railway in Civil Engineering'.





## Seminar/Workshop/Conference Attended by the Teachers of DPS, Dhenkanal A one-day workshop was conducted on 'Stress management' on 5<sup>th</sup> of March, 2025

The workshop, conducted by Mrs. Omina Rajhans, aimed to equip teachers with essential stress management techniques. She emphasised how such workshops are crucial in helping teachers manage stress, which, in turn, enhances their ability to educate and inspire young minds effectively. The motive of this workshop was to release mental and physical stress, and to understand the concept of healing and to practice it. Various physical and mental exercises were performed during the session. The interactive nature of the workshop allowed teachers to share their experiences and learn from one another, fostering a supportive community of educators committed to self-improvement and professional growth. The participants of the workshop had a wonderful experience during various practices. There were discussions in between and at the end the doubts and queries of participants were resolved. Every exercise was taught with the conceptual approach. Overall, the programme marked a significant step towards enhancing the well-being and productivity of teachers.

## On 23<sup>rd</sup> March 2025, our school organized a One-Day Capacity Building Program focused on the National Education Policy (NEP 2020) for our teachers

The program witnessed active participation of 50 teachers. The primary objective of this program was to provide teachers with an in-depth understanding of the NEP framework, its goals, and practical approaches to align teaching methods with the new policy.

**Program Details** The program was held in the school auditorium and featured expert-led sessions, and Q&A discussions. Key highlights included: **1. Overview of NEP 2020** **2. Implementing NEP in Classrooms** **3. Teacher's Role in NEP.**

## Students Achievements of DPS, Dhenkanal

Raghavendra Sahu of Std II B stood first in the Debate Competition in Sub – Junior Category in the MIND MARATHON – 2025 organised by Surangana Kala Niketan held at Abhinandan Garden, Dhenkanal on 5<sup>th</sup> January, 2025.

The toppers of our School (Batch 2023- 24) of Std 10 Shlok Kanungo, Om Prakash (Std 12 Science) and Garima Behera (Class 12 Commerce) received the prestigious awards at the 25<sup>th</sup> Annual Day of Sahodaya Schools Group, Bhubaneswar chapter, in recognition of their exceptional academic achievements.

Shriya Shilpee Sahoo of Std 9 C secured 2<sup>nd</sup> position in a drawing competition organized by the District Administration. She was felicitated by Minister of Handloom & Textile Dept. of Odisha, Mr. Pradeep Bala Samant, along with the Collector and the SP.

Ronit Kumar Paul of Std XII represented DPS, DHENKANAL in the 1<sup>st</sup> Dhenkanal Badminton Premiere League as a part of the team 'BIRDIE BLAZZERS'.

Bibhasindhu Barik of Std XI has secured the Runner up position in the League in Badminton.

Samrat Lenka of Std V won the Silver Medal in Kyorugi category; Silver in Poomsae category/ and silver in Speed kick category) organised by R.B Horangee Taekwondo Do-Jang Association on 1<sup>st</sup> and 2<sup>nd</sup> Feb, 2025 in the 3<sup>rd</sup> OPEN NATIONAL TAEKWONDO CHAMPIONSHIP 2025.

DPS, Dhenkanal was awarded for its excellence at the student Outreach Eastern K- 12 Excellence Awards 2025. Our Director, Dr. Lagnajit Dash received this honor on behalf of the school.

On the occasion of 76<sup>th</sup> Republic Day DPS, Dhenkanal also won the 1<sup>st</sup> prize in the civilian parade organized by the District Administration & also secured 2<sup>nd</sup> position in the flower show competition.

Pratyush Kumar Sahoo of Std 8 won the 1<sup>st</sup> prize in the drawing competition held at St. Xavier High School in the Junior group category on the occasion of 76<sup>th</sup> Republic Day.

The achievers of JEE Main 2025 are :-Ramashray Sahu : 96.56 % Ayushman Nayak : 94.6 % Suryanshi Dhall : 93.4 %

The following students participated in various competitions organised by Sandhyatara Sahitya Sansad at Shri Shri Aurobindo Purnanga Shikshakendra on 19<sup>th</sup> January, 2025. Saswat Kabisatapathy and Dibyanjee Debasmita got 1<sup>st</sup> and 3<sup>rd</sup> prize in Sloka Chanting, Swasti Swarupa Sarangi and Prateekshya Nayak got 1<sup>st</sup> and 3<sup>rd</sup> prize in song and Ansley Isabella Jitesh got 2<sup>nd</sup> prize in Drawing Competition.

The following students are the winners of the recent essay and painting district level competitions conducted on the occasion of International Women's Day. In English Essay Competition- 1st Prize- Arpita Priyadarshini (Std-9), 2nd Prize- Debashree Devasmita (Std-9) and 2nd Prize (Junior): Birajalaxmi Rout (Std-8). In Odia Essay Competition- 3rd Prize: L. Aradhya (Std-8). In Painting Competition (Senior Group)-3rd Prize: Bishnupriya (Std-9).

Our students participated in various competitions organised by Sandhyatara Sahitya Sansad at Shri Shri Aurobindo Purnanga Shiksha kendra on 19<sup>th</sup> January, 2025

NAME	CLASS	POSITION	CATEGORY
Saswat Kabisatapathy	VIII	1st	Sloka Chanting
Dibyanjee Debasmita	VI	3rd	Sloka Chanting
Swasti Swarupa Sarangi	VIII	1st	Song
Prateekshya Kayak	VI	3rd	Song
Ansley Isabella Jitesh	X	2nd	Drawing Competition



## Newsletter

### Women's Day Celebration at DPS, Dhenkanal

The Women's Day celebration was held with great enthusiasm on 7th March 2025 in DPS, Dhenkanal. The Principal In-charge addressed the gathering with an inspiring speech, emphasizing the importance of women's empowerment and gender equality. The chief guest, Director Dr. Lagnajit Dash delivered a powerful speech highlighting the achievements and struggles of women across various fields. Some staff members shared their stories on struggles of life to achieve the success. The event concluded with a sincere vote of thanks by Mr. Bidhan Chandra Maharana.

### Science Day Celebration at DPS, Dhenkanal

The team of DPS Dhenkanal gathered together to celebrate National Science day. The theme for the celebration was empowering Indian youth for Global leadership in science and Innovation. The programme was hosted by HOD Science Mr Lokesh Ku. Ghosh. The principal in-charge, Smt. Omina Rajhans shared her insights and valuable inputs for developing scientific temperament. A presentation to mark the significance of the day was given by Mr. Abhishek Mohapatra. Science with fun activities were demonstrated by science teachers. Health tips were shared by Mr. Koustav Mukherjee which highlighted on preserving mental health. The event ended with Mr. Indrajit Nayak, delivering the vote of thanks. The highlight of the event was a model of Chandrayaan which was constructed by science department with the help of Mr Manoj Parida.

### Graduation Ceremony at DPS, Dhenkanal

Delhi Public School, Dhenkanal celebrated its Class 1 Graduation Ceremony, "The Effulgence," on Thursday, 20th March 2025. The event was graced by Chief Guest Director, Dr. Lagnajit Dash, Member of SMC of DPS Dhenkanal, Mrs. Dhawni Gandhi Dash, and Principal In-charge Mrs. Omina Rajhans.

### Social Science Exhibition at DPS, Dhenkanal

Delhi Public School, Dhenkanal organized a Social Science Exhibition on 4th February 2025 in the school auditorium with the theme "We and Our Vision." Students from Classes VI to IX actively participated, presenting innovative models, charts, and presentations. The exhibition was inaugurated by Chief Guest Dr. Susandhya Mohanty, Retd. Principal, DIET Dhenkanal, and Guest of Honour Dr. Itishree Mohanty, Director (Admin), along with Principal In-charge Mrs. Omina Rajhans. They appreciated the creativity and awareness reflected in the students' work. Projects included ancient civilization models, the Industrial Revolution, Parliament, EVMs, the water cycle, volcanoes and a remarkable Chandrayan- 3 model. Live art by Shriya Shilpee Sahoo & posters on gender equality & pollution were major highlights. The exhibition encouraged hands-on learning & showcased students' vision for a better society.

### Study Tour at DPS Dhenkanal

DPS Dhenkanal organized enriching study tours for Classes I to IX in January 2025. Classes I-II. visited Kapilash Deer Park and Science Park on 25th January, enjoying nature, science exhibits, and wildlife, fostering awareness about animal care and the environment. Classes III-V went on 22nd January, 2025 exploring the Science Park and Deer Park. Classes VI-IX toured Bhubaneswar on 23rd January, visiting the Tribal Museum, Khandagiri Caves, and Science Park. The trip offered hands-on learning in history, culture, and science, making the experience both educational and memorable.

### Summer Fiesta- 2025 at DPS, Dhenkanal

The Summer Fiesta 2025 at DPS, Dhenkanal was held with great enthusiasm and vibrant energy on 20th March, 2025. The event aimed to celebrate the end of the academic year and provide students with an opportunity to unwind, showcase their talents, and enjoy a range of recreational activities. The importance of the fiesta featured a variety of fun-filled activities, including: Art and Craft Exhibitions Dance and Music Performances, etc. The school campus was decorated in a bright and festive theme, and the atmosphere was filled with laughter, music, and vibrant colors. Teachers, parents, and students actively participated in making the event a grand success. The fiesta concluded on 28th of March, 2025. It was indeed a memorable day that left everyone with joyful memories and a sense of community spirit







New year 2025 celebrations on 1-1-2025 at Synergy, Dhenkanal along with the gracious presence of our Chairman and Managing Trustee Shri Binod Dash



Lecture seminar series conducted on 25 th January 2025 with Yoga guru and central youth incharge Swami Aditya Dev Ji of Youth India under Patanjali Yoga Pitha on "Science behind Yoga".



Synergy, Dhenkanal bagged 3 nos of First Prize and 1 Second prize in District level Flower Show and Long Garden competition. All thanks to Mr. AK Jena for his efforts.



1st prize bagged by Synergy, Dhenkanal in the flower show competition at Surya mandap Dhenkanal on 19/01/25. S. O. Mr A. K. Jena was felicitated with Lifetime Achievement Award for his activities.



40 students from the Mining Engg. Dept. of Synergy School of Engineering, Dhenkanal visited the 3rd Odisha Mining & Infrastructure International Expo 2025 held at Baramunda Ground, Bhubaneswar, on 8th March 2025.



Exposure visit programme of Farmers Producer Organization members to Herbal Garden at Synergy, Dhenkanal under CBBO activities.

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