



Since 1999
SYNERGY
A Modern Day Gurukul

Darphan

The Quarterly Newsletter

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Celebrating
25
Glorious
Years

Synergy Group of Institutions

Message from The Chairman.....

Tata's Legacy of Integrity: A Lesson for Engineers



In 1946, as World War II ended, Munich, Germany, lay in ruins, and the engineering company Krauss Maffei struggled with destroyed factories and widespread unemployment. Around the same time, J.R.D. Tata and Sumant Moolgaonkar from the Tata Group visited Munich to discuss locomotive manufacturing, despite the war's devastation.

During the meeting, Krauss Maffei requested Tata to employ some of their skilled engineers in India, offering to teach Tata's workforce in exchange. With British colonial restrictions preventing formal agreements, the Tata Group gave their word to employ and care for the German engineers and their families. These engineers later contributed significantly to Tata Motors' early locomotive production, helping the company fulfill its agreement with Indian Railways in 1945.

After India's independence in 1947, Tata Motors expanded into truck manufacturing with Daimler-Benz. Years later, after Germany had recovered from the war, the Tata Group sent a letter to Krauss Maffei expressing gratitude and offering financial compensation for the engineers' services—despite no formal obligation. The gesture surprised the German company, which had expected nothing in return. In the 1970s, Tata's reputation for integrity had grown to the extent that German bankers accepted a guarantee on Tata letterhead as more valuable than any bank's. Arun Maira, a former senior director of Tata Motors, recounted how two German businessmen, upon meeting him years later, expressed deep gratitude for Tata's generosity and fairness.

This story teaches a valuable lesson to future engineers: integrity is not about fulfilling legal obligations alone but about acting with fairness, trust, and responsibility. The Tata Group exemplified how doing the right thing—without expectation of reward—builds lasting relationships and mutual respect. In engineering, as in life, a strong moral compass can lead to success and enduring goodwill.

Tata's actions remind us that greatness lies in setting high standards for ourselves, not just meeting others' expectations. As aspiring engineers, let us adopt the principles of integrity and generosity, making them the foundation of our personal and professional journeys.

(Binod Dash)

Chairman & Managing Trustee, Synergy Group of Institutions

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DHENKANAL



BHUBANESWAR

"Synergy Institute of Engineering and Technology Soars to New Heights with NBA Accreditation—A Triumph in Excellence !



It is with boundless pride and joy that we celebrate a monumental achievement in Synergy Institute of Engineering and Technology's journey of excellence. We are thrilled to announce that the institute has been awarded the esteemed NBA accreditation once again in 2024, a badge of honor that reflects our relentless pursuit of quality and our commitment to the highest standards in engineering and technical education. "This accomplishment adds a shining chapter to Synergy's legacy, which began with our first NBA accreditation in 2008. That initial recognition set the stage for a culture of continuous advancement, further solidified by our NAAC accreditation in 2014. Today, this renewed NBA accreditation stands as a powerful endorsement of our sustained dedication to fostering an environment that nurtures learning, inspires innovation, and prepares our students to become industry-ready professionals.

This incredible milestone would not have been possible without the tireless efforts of our exceptional faculty, dedicated staff, and talented students. Together, they have embodied the spirit of Synergy, contributing their passion and expertise toward achieving this prestigious standard. We are also deeply grateful for the invaluable guidance and support from our governing bodies, whose encouragement has been a guiding force on this journey. As we celebrate this accolade, we look to the future with unwavering ambition, committed to not only meeting but exceeding these standards. Together, we are shaping a brighter tomorrow for our students, our institute, and our beloved state. Thank you for being part of this incredible journey of transformation and excellence!

"A Silver Milestone of Glory: Celebrating 25 Years of Synergy's Legacy and Triumph!"



This year marks an extraordinary milestone in the journey of Synergy Institute of Engineering and Technology—25 years of inspiring excellence, innovation, and impact! From its humble beginnings to its current position as a leader in technical education in eastern India, Synergy has stood as a beacon of quality, commitment, and progress. To commemorate this Silver Jubilee, we have planned a series of grand events that will leave a lasting impression, some of which have already set the stage for a celebration unlike any other!

The much-anticipated inaugural event of this historic celebration was an unforgettable gathering of illustrious dignitaries, esteemed guests, and proud members of the Synergy family. With the honorable Deputy Chief Minister of Odisha, Shri K.V. Singh Deo, presiding as Chief Guest, the ceremony exuded an aura of prestige and pride. Joined by respected figures like District Magistrate of Dhenkanal, Shri Somesh Kumar Upadhyay, Superintendent of Police, Shri Madkar Sandeep Sampat, and the dedicated District Horticulture Officer, the campus was alive with enthusiasm. Our pillar of strength and visionary leader, Chairman and Managing Trustee Shri Binod Dash, stood tall, receiving well-deserved praise for his relentless efforts in transforming Synergy into one of the finest institutions in the region.

A standout moment in the inaugural festivities was the "Swachata Hi Seva" Bike Rally, flagged off by Deputy Chief Minister Shri K.V. Singh Deo himself. This rally saw over 200 spirited students and staff come together with one united goal: to spread the message of cleanliness and service. Their dedication showcased the values Synergy holds dear—service, integrity, and community strength.

In addition, a heartwarming plantation program, "Maa Pain Gachha Tie," took place on campus, filling the grounds with new greenery in honor of our beloved motherland. Deputy C.M. Shri K.V. Singh Deo lauded Chairman Binod Dash's vision for sustainability and the commitment that has positioned Synergy as an exemplary institution for educational and environmental stewardship.

Synergy's journey from "Scratch to Silver" has been nothing short of phenomenal! Our Silver Jubilee is a grand tribute to the unstoppable spirit, trailblazing innovation, and unshakable excellence that course through every corner of our institution. Overflowing with heartfelt wishes, this remarkable milestone reflects the relentless devotion of our extraordinary staff, brilliant students, and visionary faculty who have turned ambitious dreams into reality. Flawlessly organised by our Cultural Committee Convener, Prof. K. Sahu, each celebration bursts with unmatched passion and unity, capturing the very essence of Synergy. Together, we are creating legendary memories as we propel toward an even more radiant future!

Newsletter

Seminar/workshop/Industrial Talk at Synergy, Bhubaneswar Department of Mechanical Engineering:

ITSS-2024 Sponsored by AICTE VAANI Scheme

The Department of Mechanical Engineering at SIT, Bhubaneswar successfully organized a three-day National Seminar on “Impact of Technology on Society towards Sustainability (ITSS-2024)” from July 24 to 26, 2024. Sponsored by the AICTE VAANI Scheme, this seminar was conducted in the Odia language, promoting the use of regional language to enhance students’ and society’s understanding of emerging technological trends. The event featured nine technical sessions, culminating in a valedictory session, where nine experts shared their insights on the impact of technology on sustainability.



Department of Electrical Engineering:

One-Day Expert Talk on “Distribution System” by Er. Lenka Prasad

The Department of Electrical Engineering at SIT, Bhubaneswar hosted an expert talk on “Distribution System” led by Er. Lenka Prasad, General Manager of TPSODL, Odisha. Through real-life examples, Er. Prasad provided an in-depth understanding of distribution systems, engaging and enlightening students, faculty, and research scholars. The insightful session was highly appreciated by all participants.



Department of Computer Science and Engineering:

One-Day Seminar on “Generative AI Daily Use Cases”

On August 1, 2024, the Department of Computer Science and Engineering, under the Computer Science and Engineering Society at SIT, Bhubaneswar, organized a seminar on “Generative AI Daily Use Cases.” HOD B.R. Sarangi delivered the welcome address, followed by Mr. Vedanta Acharya, founder of Code AI, Bhubaneswar, who discussed the practical applications of Generative AI, such as content creation, email drafting, social media posts, blog generation, and visual design. The event, coordinated by CSE Society coordinator Tapasi Das, was attended by all staff and students of the department.



Department of Civil Engineering:

Workshop on “Skill Development Programme”

The Department of Civil Engineering at SIT, Bhubaneswar organized a one-day workshop on “Skill Development Programme” in collaboration with Ultra Tech Cement Ltd. (Aditya Birla) on September 25, 2024.

Industrial Talk

On October 1, 2024, an industrial talk was conducted by the Civil Engineering Department, featuring Er. Biswajit Jena, Managing Partner of CETR, and Er. Bhabani Sankar Panda, Trainee Engineer at CETR. They shared valuable insights on “Civil Engineering Software.”

Seminar on “Geotechnical Approaches for Landslide Mitigation”

The Civil Engineering Department also held a one-day seminar on September 12, 2024, on “Geotechnical Approaches for Landslide Mitigation,” presented by Prof. Dr. Maheswar Maharana from IGIT Sarang.



National Workshop on “Advances in Software Technologies” by Computer Science Department at Synergy, Dhenkanal

On 30th August 2024 Department of Computer Science and Engineering, Synergy Institute of Engineering and Technology Dhenkanal, organized a national workshop on “Advances in Software Technologies”. In the inaugural function Chief Guest Dr Rabindra Narayan Behera MP, Jaipur constituency cited our ancient technology mentioned in Mahabharat and Ramayana are not myths but they can be scientifically proven to be



correct. He advised participants to work out on these to bring glory to the nation. Guest of honor Dr. Sabyasachi Pattnaik delivered his lecture on impact of artificial intelligence on Software engineering. In this occasion Director administration Dr. Itishree Mohanty felicitated our former colleague Dr. Rabindra Narayan Behera on being elected as Member of Parliament and Director Dr. Prashanta Kumar Nayak felicitated Dr. Sabyasachi Pattnaik. Head of the Department Prof. Smruti Ranjan Dash delivered the welcome note and Prof S. Abinash presented the vote of thanks.

National conference on “Waste Energy and Environment” at Synergy, Dhenanal

A Two days SERB, DST sponsored National conference was held between 23.8.24 to 24.8.24 on the topic Waste Energy and Environment (NCWEE-24). Eminent personalities Scientists like Prof N. K. Dhal & Dr. S. M. Mustakim from IMMT, CSIR graced the occasion in the inaugural ceremony. Many researchers, Professors and students from the field of Science and Engineering joined and delivered different topics on Waste energy management for the betterment of society and environment. Students of different schools have also participated in the poster presentation and bagged prizes for the event. Professors from IIT like Dr. B. H. Rao and Dr. M. Somani graced the 2nd day of the conference along with Dr. A.P. Das of Ramadevi University and Dr. Laxmidhar Panda of KIIT



University. Many resource persons delivered their talk and kept the aspects of waste management and related threats in front of the young generation. Conference proceedings was unveiled by the dignitaries on the 1st day. Welcome address was given by Dr. Itishree Mohanty (Director Administration). Theme of the conference was explained by convener Dr. Subhakanta Dash(H.O.D Chemistry). The importance of the conference was explained by Dr.Matruprasad Dash (Principal SISM & Chief Admission Officer).Vote of thanks was delivered by Dr. Jayashree Singh (H.O.D Basic Science and Humanity). The program was moderated by Prof Kalpana Sahu(H.O.D, Management). This two days conference was a grand success in the field of science, technology and management along with the staffs and students under Synergy group of Institutions, Dhenkanal.

Newsletter

Student Induction Program 2024 at Synergy, Bhubaneswar

SIT, Bhubaneswar recently held the Inaugural Student Induction Program, an engaging and multi-faceted event welcoming new students with a range of enriching activities. The program featured a seminar on the “Art of Stress-free Living” by esteemed chief speaker B.K. Kajal, organized by Asst. Prof Sradhanjali Mishra and Asst. Prof Arpita Rath, focusing on personal development. Additionally, a self-defense session



led by Dr. Bikash Kumar Prasad equipped students with essential safety skills, while an industrial visit to the UCCIL Global Trade Show at Janata Maidan exposed students to global advancements and business practices. A seminar on “Advances in Science and Technology” was conducted by Chitaranjan Mishra, providing insights into the latest industry trends. Further promoting well-being, Dr. Ajay Kumar Swain led a rejuvenating yoga session, and Mrs. Rojalee Panda hosted a creative art and craft class, encouraging artistic expression. Renowned speaker Madhusudan Das delivered a motivational talk, inspiring students with stories of perseverance

and a growth mindset, marking a holistic start to their academic journey.

Student Induction Program 2024 at Synergy, Dhenkanal

Student Induction Program (SIP-2024) was conducted in our Institute between 22nd August to 4th September 2024. At the start of the induction, the incumbents learn about the institutional policies, processes, practices, culture and values, and their mentor groups. Various teachers of Art of living, Brahmakumari Sangathan, DPS, S. I. E. T. Dhenkanal were invited to impart education on various modules of Yoga, UHV, creative arts & professional modules etc. The Program was successfully co-ordinated by Dr. J. Singh & team.



Engineer's day at Synergy, Dhenkanal

“Engineer’s day” was celebrated in Synergy Institute of Engineering & Technology, Dhenkanal on 15th September 2024. Er. Benudhar Das, Executive Engineer TPCODL, was the Chief Guest of the function. Er. Das very well explained the significance of the day during his address and advised the students to be professionally competent so as to lead the country towards Viksit Bharat.”



UHV seminar at Synergy, Dhenkanal

UHV seminar attended by 1st year B.Tech students of our Institute at Talabarakot on the eve of Yuga Purusottom Sri Sri Thakur Anukulchandra’s Birthday ceremony on 14th September 2024. Our students interacted with many professors of IITs, NITs and Universities to know about different ways to live life with happiness and prosperity.



Entrepreneurship Awareness Programme at Synergy, Bhubaneswar

SIT, Bhubaneswar hosted an Entrepreneurship Awareness Program on September 24, 2024, in the Seminar Hall. Esteemed guests Sri Gyana Ranjan Mohanty, MD of Corrosion Protection Pvt. Ltd., and Mr. Manoj Kumar Swain, Founder of Lagom Sustainable Living Pvt. Ltd., shared insights on essential entrepreneurial qualities and skills. The program, attended by 200 students and faculty members, was coordinated by ED Cell Coordinator Ms. Priyanka Priyadarshini.



A New Era of Innovation and Learning at Synergy, Dhenkanal

On September 3, 2024, Synergy Institute of Engineering and Technology, Dhenkanal, proudly marked a new era in technological advancement with the launch of the Centre of Excellence (CoE) on Drones, in partnership with industry leader Garuda Aerospace. This milestone represents a pivotal leap in innovation and learning, offering students, researchers, and industry experts a dedicated space to explore, train, and develop pioneering drone technologies with applications across agriculture, defense, disaster management, and more. We congratulate the entire Synergy family for making this vision a reality and positioning our institution at the forefront of drone technology.



World Entrepreneurs Day at Synergy, Dhenkanal

World entrepreneurs day was celebrated in our Institute campus on 21.8.2024. Ms Puspata Panda, Founder, Prerana Shrota, Mr. Saurav Kumar Sarawogi, Director, Natural Agritech Pvt. Ltd. Mrs Bidulata Jena, Director & Mrs Ojaswini Welfare Foundation, Joint Secretary, OASME were present among distinguished dignitaries from the world of entrepreneurs . Entrepreneurship sparks with innovation and drives economic growth, creating jobs and opening new markets was beautifully explained by the speakers. The Program was successfully co ordinated by Prof Kalpana Sahu H. O. D management and coordinator ED cell.



Newsletter

International Day of Clean Air for Blue Skies at Synergy, Dhenkanal

On the date of 11th September 2024, DHH, Dhenkanal organized International Day of Clean Air for blue skies in collaboration with SCN, in the college seminar hall. The respected Principal of Synergy College of Nursing welcomed the guests Dr. NDC Behera, ADPHO FW, DHH, Dkl, Mrs. Subhra Nibedita, Psychologist, Mrs. Pragnya Mohanty, Assistant Manager, NCD, and Mrs. Bharati Panda, ADPHO. The honorable guests motivated the students to keep the environment and atmosphere clean and to do plantation to keep the earth healthy. They conducted different competitions for students and distributed prizes to the winners. The program ended with vote of thanks.



Synergy College of Nursing First Aid Team Supports Rath Yatra Devotees, Dhenkanal

The Synergy College of Nursing's First Aid team actively participated in the Rath Yatra 2024 celebrations in Dhenkanal, offering medical support alongside the District Collector, SP, and Sub-Collector. Their presence ensured quick assistance for devotees, enhancing the event's safety and wellbeing.



Synergy College of Nursing Students Join Health Camp in Memory of Bimal Kishore Mishra, Dhenkanal

The students of Synergy College of Nursing participated in a health camp organized in memory of the late Bimal Kishore Mishra, former Additional Chief Secretary of Odisha, on his death anniversary. They were joined by Justice Shashikant Mishra, who was present to honor the occasion.



Synergy College of Nursing Students Participate in Anti-Drug Rally and Excel in Competitions, Dhenkanal

On June 26, 2024, our students joined the district rally for the International Day against Drug Abuse and Illicit Trafficking. Additionally, our nursing students were honored for their achievements in debate, essay, and drawing competitions organized by the District Social Security Office at Women's College on June 25. The Synergy family congratulates all participants and winners. The event was coordinated by Prof. (Dr.) Jayashree Singh and Security Officer Shri A.K. Jena.



Observation of World No Tobacco Day at Synergy College of Nursing, Dhenkanal

On June 27, 2024, Synergy College of Nursing observed "World No Tobacco Day" under the theme "Protecting Children from Tobacco Industry Interference." The event featured a range of activities, including debates, essays, and art and craft sessions. It commenced with an inaugural speech by the Principal, followed by addresses from Bharati Panda (ADPHCO), Pragnya Priyadarsani Mohanty (AMNCD), and Sangram Ku. Sarangi (AMIEC). Teachers and students took an oath to support tobacco control efforts, and prizes were awarded to students. The program concluded with a vote of thanks.



Seminar/Workshop/Conference Attended by the Teachers of DPS, Dhenkanal

Ms. Priyanka Priyadarshini (HOD of Management Department), Mr. S R Krishna (Asst. Prof. in English), Mrs. Mousumi Mohapatra (Asst. Prof. in Civil Department) & Debaraj Misri (Asst. Prof. in Mechanical Department) attended 1 Day Faculty Development Programme on Indian Knowledge System on 30th September 2024, organized by BPUT, in collaboration with AIMS, at Tennis Court Auditorium, Kalinga Stadium, Bhubaneswar.

Mr. SR Krishna (Asst. Prof. in English), Mrs. Mousumi Mohapatra (Asst. Prof. in Civil Department) & Debaraj Misri (Asst. Prof. in Mechanical Department) attended 4 Day Faculty Development Programme on Universal Human Value from 30th September 2024, organized by.

Mousumi Mohapatra, Assistant Professor in Civil Department at Synergy Institute of Technology, Bhubaneswar attended 2 days' Workshop on "Waste to Energy" organized by NITTTR, Kolkata, Extn. Centre BBSR under AICTE-VAANI Scheme from 29/07/2024 to 30/07/24.

Chandan Kumar Behera, Assistant Professor in Civil Department, at Synergy Institute of Technology, Bhubaneswar attended 5 days FDP on Innovative Teaching and Learning pedagogy organized by Research foundation of India during 23rd July 2024 to 27th July 2024.

FDP on "NAAC NEW REFORMS" was attended by Chandan Kumar Behera, Assistant Professor in Civil Department, at Synergy Institute of Technology, Bhubaneswar on 06/08/2024 and 07/08/2024 organized by Research Foundation of India.

One week FDP was attended by Chandan Kumar Behera, Assistant Professor in Civil Department, at Synergy Institute of Technology, Bhubaneswar from 19/08/2024 to 24/08/2024 on "Evolution of generative AI PAST PRESENT AND FUTURE" organized by Methodist College of Engineering and Technology, Hyderabad.

One week FDP was attended by Chandan Kumar Behera, Assistant Professor in Civil Department, at Synergy Institute of Technology, Bhubaneswar from 24/08/2024 to 30/08/2024 on "Advanced Informative and Emerging Trends in Teaching and Research" organized by Research Foundation of India.

Dr. Ramesh Chandra Nayak, Dr. Anjan Kumar Sahu, Dr. Viswa Mohan Behera, Asst. Prof. Sudhansu Sekhar Singh, Asst. Prof. Naresh Patra, Asst. Prof. Debaraj Misri in the Department of Mechanical Engineering at Synergy Institute of Technology, Bhubaneswar have actively participated in the 2nd International 5-Day Faculty Development Program on "Sustainability and Research in Modern Mechanical Engineering" from 23rd to 27th September 2024, organized by the Department of Mechanical Engineering, Madanapalle Institute of Technology & Science, Andhra Pradesh, India.

Dr. Ramesh Chandra Nayak of Department of Mechanical Engineering at Synergy Institute of Technology, Bhubaneswar and iHub Anubhuti IIIT Delhi had participated in virtual/online mode in the five-day skill development course titled "Learning Computational Fluid Dynamics with Ansys Fluent" organized by Thermal Systems Laboratory, Department of Mechanical Engineering, National Institute of Technology Rourkela (Odisha) India from 23-27 September 2024.

Dr. Ramesh Chandra Nayak of Department of Mechanical Engineering at Synergy Institute of Technology, Bhubaneswar has completed five-day International Faculty Development Program (FDP) on "Advanced Thermal Systems: Production, Storage, and Transfer" organized by Department of Mechanical Engineering, Vishnu Institute of Technology (A), Bhimavaram from 17/09/2024 to 21/09/2024.

Mrs Kalpana Sahu, Faculty, Dept of Management has successfully completed the Faculty Induction Program organized by New Delhi Institute Of Management, New Delhi in collaboration with UGC- Malaviya Mission Teacher Training Centre, JNU, held from 20th May-20th June Securing Grade -A.

Mrs Kalpana Sahu, Faculty, Dept of Management has successfully completed the FDP on "Imagining and Remaining Labour Laws: Yesterday, Today and Tomorrow" on 11/08/24 organized by BPUT.

Mrs Kalpana Sahu, Faculty, Dept of Management has successfully completed 5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by AICTE from 24th June- 28th June, 2024.

Mrs Kalpana Sahu, Faculty, Dept of Management has successfully completed on five days' workshop on "Hands On HR Analytics for HR Professionals" Organized by Research Foundation India and Council Of Academic Research and Educational Organization (RFI-CARE) from 25-29 July, 2024.

A three days UHV FDP AICTE program organised by BPUT at Tennis Center, Auditorium hall Kalinga stadium Bhubaneswar was attended by Prof (Dr) Jayashree Singh (HOD Physics) & Prof Kalpana Sahu (H. O. D Management) between 27th September to 29th September 2024.

A one day FDP on Indian Knowledge System (IKS) organised by BPUT in collaboration with AICTE and AIMS Odisha Chapter at Tennis Centre Auditorium Hall, Kalinga Stadium Bhubaneswar was attended by Dr Brahmananda Sahoo (Asst Prof., Management) & Ms. Jennifer Momin (H.O.D English) on 30th September 2024.

Dr. Priyabrata Pradhan, Dr. Abhilash Purohit Ms. Hemalata Jena Dr. Jayashree Singh Mr. Bibhuti Bhusan Sahoo published a paper on "Effects of spherical fillers reinforcement on the efficacy of thermal conductivity in epoxy and polyester matrices: Experimental validation and prediction using finite element method." In the Journal of Vinyl & Additive Technology on 16th August 2024.

Dr. Priyabrata Pradhan, Dr. Abhilash Purohit Ms. Hemalata Jena Dr. Jayashree Singh Mr. Bibhuti Bhusan Sahoo published a paper on "Effects of spherical fillers reinforcement on the efficacy of thermal conductivity in epoxy and polyester matrices: Experimental validation and prediction using finite element method." In the Journal of Vinyl & Additive Technology on 16th August 2024.

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

Ramesh Chandra Nayak et al. (2024). New Urban Technology Towards Energy Harvesting and Environmental Initiatives for a Smart City. In: Majumdar, S., Kandpal, V., Anthopoulos, L.G. (eds) Smart Cities. S.M.A.R.T. Environments. Springer, Cham. SCOPUS [Springer Nature] Book Chapter published.

Ramesh Chandra Nayak . et al. (2024) Published article "Thermoplastic polymer track with gearing mechanism to harvest green energy for sustainable development", E3S Web Conf., 552 (2024) 01011, DOI. [Published]

Ramesh Chandra Nayak presented his work "Technology for common people" at 3-days National Seminar on "Impact of Technology on Society towards Sustainability- ITSS-2024 in Odia Language Sponsored by AICTE VAANI Scheme" at Synergy Institute of Technology, Bhubaneswar held from 24/07/2024 to 26/07/2024.

Ramesh Chandra Nayak Textbook Published "Mechanical Engineering objective questions and explanation" Book ISBN: 9781922617606. Publisher: Central West Publishing, Australia.

Sudhansu Sekhar Singh, Abinash Sahoo, Ramesh Chandra Nayak, shifting of heat energy via transverse parallel sheets confirmed with natural convection, Book Name: Futuristic Trends in Mechanical Engineering Volume 3 Book 6, e-ISBN: 978-93-5747-709-3. DOI/Link: <https://www.doi.org/10.58532/V3BGME6P3CH1>.

Newsletter

Training & Placement at Synergy, Dhenkanal & Bhubaneswar

During this academic year, 458 students of Synergy Institute of Engineering & Technology, Dhenkanal & 125 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 TECHTNS GLOBAL, RONCH POLYMERRANGAM INFO, PRECISION ENGG, ROTODYNE, EPITOME ENGI, RESEARCH-IN BHUMI, CLEBRIT CHIF, AIU CONSULTANY, HATIM TECH, AFFIMITY 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 July to August 2024.

SYNERGY, DHENKANAL		SYNERGY, BHUBANESWAR	
YASH INDUSTRIES		INFOSYS	
Satyajit Pradhan	ME	Abhisek Bhutia	EE
Swayam Swagat Pradhan	EE	Sudipta Ranjan Nayak	EE
Swadhin Swaraj Behera	EE	Ayush Mohanty	CE
Abhijana Rath	ME	QSPIDER	
Amit Kumar Sahoo	EE		
Jagadish Patra	EE	Somesh Som Pattnaik	CS
Bishnu Mohan Panda	Botany	Amarjyoti Rana	CS
Dibyabishal Mohapatra	Physics	B.m Ronit	CS
Trinath Mahanta	Physics	Barsharani Parida	CS
Mukesh Biswal	ME	Nikita Pattanayak	CS
Bikash Kumar Samal	ME	Bhairab Mohapatra	CS
Suman Sumit Sahoo	EE	Pradipta Priyadarsini Beura	CS
Milan Behera	ME	Nandini Behera	CS
		ULTRATECH CEMENT	
		Swastik Swaroop Swain CE Anant Ashish Dass CE	

Student Achievement of Synergy, Dhenkanal & Synergy, Bhubaneswar

Eight students of Computer Science and Engineering Department of Synergy Institute of Technology, Bhubaneswar participated in **ISTE sponsored Student Chapter** conducted by **BCET, Balasore** from 29/08/2024 to 31/8/2024.

Kirti Swagat Pattnaik and **Govardhan Das**, 3rd semester students of Computer Science and Engineering Department of Synergy Institute of Technology, Bhubaneswar won **2nd prize** in **Card Structure** competition organized by **ISTE sponsored Student Chapter** conducted by **BCET, Balasore**.

Amit kumar Dash and **Sukrit Sajal**, 5th Semester students of Computer Science and Engineering Department of Synergy Institute of Technology, Bhubaneswar won **2nd prize** in **Tech Quiz** competition organized by **ISTE sponsored Student Chapter** conducted by **BCET, Balasore**.

Hare Krushna Behera, **Jyotiranjana Sahoo**, **Abhisek Krupasindhu Majhi** & **Dibya Prakash Barik** students of Mechanical Engineering Department of Synergy Institute of Technology, Bhubaneswar received **3rd Prize** with **Rs.1000/-** for **Model Exhibition** conducted on 15th Sep 2024 at Jayadev Bhawan, Bhubaneswar by **EVER GREEN FORUM**, a leading social organization of Odisha.

Brijesh Suryaprakash Omkar student of final year Electrical Engineering attended 25th ISTE State Level Student's Convention from 30/08/24 to 31/08/24 at Balasore College of Engineering and Technology (BCET), Balasore.

We're the only private institute from Cuttack group, Odisha Directorate with three selections for the All India TSC Camp 2024 in New Delhi.

Cadet Details:

1. Kunal Kumar Bhola - "Firing" Snap shooting
2. Bhima Prakash Sahu - "Firing" Grouping
3. Pravajot Samal - Map reading

Wishing them all the best for their future endeavours.



Seminar/Workshop/Conference Attended by the Teachers of DPS, Dhenkanal

Sl.	Date	Name of the Staff attended Training	Name & Description of the Training/ Programme/ Activity conducted by HRDC, DPS Society
1	3 rd October, 2024	Mr. Aditya Narayan Satpathy, TGT Science	Online Session on the topic "Cell Cycle and Cell Division".
2	4 th October, 2024	Mr. Koustav Mukherjee, PGT Biology	Online Session on the topic "Transcription and Translation & Mechanism of DNA replication".
3	14 th October, 2024	Ms. Sony Debata, PGT Biology	Online Session on the topic "Photosynthesis in Higher Plants, Photosynthesis-light and Dark Reactions, C3 and C4 plants, CAM Plants & Respiration in Plants: Types of Respiration, Krebs' Cycle, Electron Transport Chain, Transportation of Respiratory Gases, and Regulation of Respiration".
4	15 th October, 2024	Ms. Sony Debata, PGT Biology	Online Session on the topic "Fundamentals of Immunology & Transgenic animals/GMO".
5	16 th October, 2024	Mr. Koustav Mukherjee, PGT Biology	Online Session on the topic "DNA Fingerprinting & Recombinant DNA technology-tools and techniques".
6	18 th October, 2024	Mr. Koustav Mukherjee, PGT Biology	Online Session on the topic "Terminology, Human Embryonic Development & Stem cell technology".

Student Achievement of DPS, Dhenkanal

Nancy Mohanty of class VII has achieved 1st position in District level Odia poem recitation competition held on 6th July, 2024. She has been selected for State level Odia poem recitation.

Bibhasindu Barik of Std XI represented India in Uganda Para Badminton International Tournament, 2024 (senior level). He played Quarter final. The match was conducted from 2nd of July to 7th of July, 2024.

Ronit Kumar Paul of Std XII achieved Runners Up (Doubles) under 17 (Boys) on 30th June, 2024 organised by District Badminton Association of Dhenkanal on the occasion of 8th District Level Badminton Tournament 2024-25.

Debyanka Mishra secured (Under 11) Girls 2nd position in the Odisha State Rated Senior Chess Championship-2024 organised by Dhenkanal District Chess Association Dhenkanal held from 27th - 31st July 2024.

Nancy Mohanty of Std 7, secured 2nd position in Odissi Dance competition (Junior) category organized by Indian Music Chamber, Dkl from 9th Aug to 11th August, 2024.

Anshita Panda of Std VII, secured 1st position and Pratikhya Nayak of Std VI, secured 3rd position in Song Competition conducted by Janmastami Cultural Programme at ISKCON Dhenkanal.

Soumyashree Behera secured first place in the District Level Drawing Competition (Sub Junior) category organized by Praganana Prativa Utsav-2024 on 18th August, 2024.

Ansley Isabellah Jithesh of Std X, secured 2nd position in Drawing Competition organized by Biswa Hindu Parishad, Dhenkanal.

Sreyas Saktismit of Std X B secured 2nd position in Hindi speech competition on 11th of September, 2024, conducted by Brahmani Public School, Dhenkanal.

Bidyanshu Jena secured 3rd position and Aditya Narayan secured 3rd position in the Branch level BHARAT KO JANO QUIZ COMPETITION (Junior level) held on 15th September-24 organised by Bharat Vikas Parishad, Odisha East Prant Sahid Baji Rout Sakha, Dhenkanal.

Bharat Vikas Parishad, Odisha East Prant Sahid Baji Rout Sakha, Dhenkanal organized Group Song competitions on 15th September-24 and our school DPS Dhenkanal owned the prizes in three different categories like :-

1st in Sanskrit Group Song, 1st in Folk Song and 2nd in Hindi Group Song

The following students were participated and received the prizes in the above group song competition:-

Sadhvika Mansingh, Ayushee Priyadarsini, Anshita Panda, Ahana Nanda, Sunaina Das, Pratikhya Nayak, Chinmayee Pani, Swasti Swarupa Sarangi.

The following students participated in 'Har Ghar Tiranga' Debate and Essay Competition in English and Odia language held in Old Zilla Parishad, Dhenkanal on 14th August, 2024

English debate (Senior) Arpita Priyadarshini (Std IX) : 3rd position

English Essay Writing (Junior) Nitish Rout (Std VIII) : 3rd position

Odia Debate (Senior) Shreya Laxmi Baral (Std IX) : 3rd position

Odia Essay (Senior) Dibyajyoti Mishra (Std X) : 3rd position

Odia Essay (Junior) L. Aradhya (Std VIII) : 1st position Manyata Pani (VII) : 3rd position

Newsletter

Investiture Ceremony at DPS, Dhenkanal

The Investiture Ceremony at Delhi Public School, Dhenkanal, was held on August 3, 2024, beginning at 9:00 a.m. with a warm welcome by Principal Vijaykumar Sahu and the lighting of the ceremonial lamp. Addl. S.P. Suryamani Pradhan, the chief guest, presented badges and sashes to the newly elected student council, including Head Boy Adarsh Rout and Head Girl Priyanshi Preetinanda Mohanty, who inspired their peers with speeches about their goals for the year. Principal Sahu highlighted the importance of leadership, while the chief guest encouraged students to aim for excellence. The event concluded with a vote of thanks, the national anthem, and refreshments.



Robotics Workshop for Hands-On Learning at DPS, Dhenkanal

On August 16, 2024, DPS Dhenkanal organized an engaging robotics workshop for classes VII to X, conducted by Sak Robotic Lab. Held in the school auditorium, the workshop introduced students to robot mechanisms and servo microchips, and included a demonstration of an RV car. Students had hands-on access to robotic kits, enhancing their understanding and sparking creativity and innovation, along with problem-solving skills.

Metrical Stanza Rhymes Activity for Young Learners at DPS, Dhenkanal

DPS Dhenkanal's Metrical Stanza Rhymes activity, conducted from August 28 to 31 for Nursery to Class II, offered young students an engaging platform to recite rhymes. The children confidently performed with actions, which helped them articulate words, modulate voices, and develop cognitive and motor skills. This enjoyable activity supported language and interpersonal skill development, making it both educational and joyful.

Hindi Divas Celebrations at DPS, Dhenkanal

In honor of Hindi Divas on September 14, 2024, the Hindi Department at DPS Dhenkanal organized a cultural program featuring student speeches, poetry recitations, and discussions on Hindi's cultural significance. The event highlighted the importance of the language in India's national identity and encouraged students to appreciate and embrace Hindi.

Inter-House Competitions: Quiz and Poem Writing at DPS, Dhenkanal

DPS Dhenkanal held its 3rd and 4th rounds of inter-house competitions in August. The 3rd round, a Quiz Competition themed "My Nation My Pride," took place on August 17 for classes IX-XII in the school auditorium. Led by quiz master Ms. Afrin Hakim, with Ms. Monalisa Barik as scorekeeper and Ms. Fast Sahoo as timekeeper, the competition was a knowledge-packed event attended by Principal Sahu. The 4th round on August 31 focused on Poem Writing, with subtopics "Mother" for classes IX and X and "My Favourite Teacher" for classes XI and XII. Organized in classrooms, this activity encouraged students to express themselves creatively.

Radio Show on Health Awareness at DPS, Dhenkanal

On July 27, 2024, DPS Dhenkanal held its 2nd round of inter-house activities with a Radio Show for grades VI-XII on the theme of "Health." Divided into two groups—grades VI-VIII and IX-XII—the competition was conducted in the school auditorium, with judges Ms. Bony Chanda, Mr. Nityananda Behera, Mr. Anil Kumar Patnaik, and Mr. Md. Zahid. The Radio Show was both informative and entertaining, with students showcasing communication skills and enthusiasm, making it a memorable and educational experience for participants and audience alike.

Inter house activity at DPS, Dhenkanal

Earth Day Celebration

"Grades I and II celebrated Earth Day with fun and educational activities. After learning about its importance, students made "I Love Mother Earth" crowns and discussed conservation, tree planting, and using paper bags instead of plastic. They enjoyed the hands-on experience."

Leaf Art on Guru Purnima

"On Guru Purnima, Kindergarten students at DPS created "Leaf Art" by using crayons, poster colors, and leaves to make unique patterns. This creative activity helped them appreciate nature."

Fireless cooking and Newspaper reading

"On July 13, 2024, DPS Dhenkanal organized Interhouse competitions. Grades 6-8 participated in a fireless cooking competition, and grades 11-12 in a newspaper reading contest. The event showcased excellent cooking and presentation skills and was enjoyed by all."



As part of Synergy's silver jubilee celebrations Deputy CM Shri K.V. Singhdeo flags off the vibrant "Swachhata Hi Seva" Bike Rally inspiring over 200 students & staff to promote cleanliness & service.



Chairman Shri Binod Dash warmly welcomes Deputy CM Shri K.V. Singhdeo at Synergy, Dhenkanal as a part of inauguration of silver jubilee celebrations.



In celebration of Synergy's Silver Jubilee the "Maa Pain Gachha Tie" plantation program brings new greenery to the campus honoring motherland.



On September 13, 2024, Synergy, Dhenkanal organised a health checkup camp for all the staff which was conducted by ESIC.



A Plantation in global campaign program - "Ek Pedh MAA Ke Naam" (Plant 4 Mother) was conducted by NSS at Synergy, Dhenkanal.



An Orientation program was conducted by Synergy, Bhubaneswar to welcome the new entrants.



A Swachhata Hi Seva 2024 program was organised by NSS at Synergy, Dhenkanal.

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Chief Editor: Mrs. Jennifer Momin, **Members:** Ms. Arpita Rath, Mr. Pravat Kumar Behera, Ms. Aparna Priyadarshini, Mrs. Prangyamayee Nanda, Dr. Laxminandan Satapathy, Mr. Soumyaranjan Samanta

Synergy Institute of Engineering & Technology
Synergy School of Engineering
Synergy College of Nursing
Synergy Institute of Science & Management
N.H.-55, Dhenkanal - 759001, Odisha, India
Tele / Fax : 06762-225905 / 226708
Email: sietdkl@synergyinstitute.net
website: www.synergyinstitute.net

Delhi Public School Dhenkanal
By the side of NH - 55 bypass (Banamaliprasad)
Dhenkanal, Odisha-759001,
Phone No-06762 28663
Email: principal@dpsdhenkanal@gmail.com
Website: www.dpsdhenkanal.ac.in

Synergy Institute of Technology
Synergy Polytechnic
Phulnakhara, Bhubaneswar, Khurda, Pin -752101,
Odisha, India, Tele / Fax : (0671) 2356150 / 2356151,
Email : contact@synergyinstitute.ac.in
Website : www.synergyinstitute.ac.in