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The Quarterly Newsletter

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Celebrating

24

Glorious
Years

Synergy Group of Institutions

SYNERGY, DHENKANAL & SYNERGY, BHUBANESWAR

Synergy's Newsletter



Message from The Chairman..... **The Connected World: Bridging The Digital Divide**

In the rapidly evolving landscape of the 21st century, the concept of a connected world has gained immense prominence. In this interconnected realm, individuals find themselves navigating not just a singular existence but rather a duality of lives—one rooted in the physical realm and the other thriving in the virtual domain. As technology continues to bridge the gap between the real and the digital, our lives have become intricately intertwined with both spaces, transforming the way we communicate, work, and experience the world around us.

In our real lives, we inhabit a physical reality with tangible experiences, face-to-face interactions, and a direct engagement with our surroundings. We build relationships, pursue careers, and participate in local

communities. This realm holds the essence of our humanity, where emotions, senses, and physical connections shape our perceptions and experiences. Simultaneously, our virtual lives unfold in a vast and boundless digital frontier. Here, we transcend geographical boundaries, connecting with people from diverse backgrounds and cultures. Online platforms enable us to express ourselves creatively, seek knowledge, and find communities that share our passions.

The connected world offers a platform for unprecedented exploration, communication, and growth. It is up to us to embrace this interconnectedness while preserving the authenticity of our physical existence, ensuring that technology serves as a facilitator rather than a substitute for genuine human connection. By finding harmony between the real and virtual, we can thrive in this interconnected era, leveraging the best of both worlds to shape our personal and collective journeys.

(Binod Dash)

Chairman & Managing Trustee, Synergy Group of Institutions

Inside the Issue...

Message from the Chairman	1	Training & Placement	5
Technical Events	2	News from DPS Synergy, Dhenkanal	6
Institute Highlights	3	News from DPS Synergy, Dhenkanal	7
Institute Highlights	4	Snippets from Synergy	8



DHENKANAL



BHUBANESWAR

Seminar on “G20: Lifelong learning” at Synergy, Dhenkanal

Seminar on G20: Lifelong learning was organized by Synergy Group of Institutions on 15th of April in the college conference hall. Former chairman AICTE & former VC BPUT Dr. Damodar Acharya delivered the talk. Chairman & Managing Trustee, Synergy group of Institution Mr. Binod Dash felicitated Dr. Damodar Acharya and delivered the keynote address. Mrs. Sukalyani Acharya (wife of Prof D. Acharya) and Trustee Anita Padhi were among distinguished guest of the seminar.



Guest Lecture on “Recent advances in non-traditional machining processes” at Synergy, Dhenkanal

Department of mechanical engineering, Synergy Dhenkanal organized a one - day guest lecture on 5th May 2023. Dr. Chitta Ranjan Deo, Associate Professor, VSSUT Burla delivered a lecture on “Recent advances in non-traditional machining processes”. Students of second- and third-year mechanical engineering attended the lecture. The modern advancements in the machining processes and its various applications were discussed in the lecture.



Guest Lecture on “Innovative Technology & Applications in Industrial Sectors” at Synergy, Dhenkanal

Synergy Dhenkanal showcased its innovative projects at Odisha Skill Conclave 2023 held at Kalinga Stadium Bhubaneswar from 20th April to 23rd April. The projects included a Smart GPS enabled E-Bike and Rain water harvesting. Professor T.N Singh, Director, IIT Patna interacted with the students and faculties of Synergy Dhenkanal on 20th April, 2023. He discussed about the Synergy E bike which is pioneered by Synergy Dhenkanal and was quite impressed with the innovative work. He has also shown interest for investment and collaboration on its manufacturing model.



Participation and Showcasing of Projects at Odisha Skill Conclave 2023 by Synergy, Dhenkanal

Synergy Dhenkanal showcased its innovative projects at Odisha Skill Conclave 2023 held at Kalinga Stadium Bhubaneswar from 20th April to 23rd April. The projects included a Smart GPS enabled E-Bike and Rain water harvesting. Professor T.N Singh, Director, IIT Patna interacted with the students and faculties of Synergy Dhenkanal on 20th April, 2023. He discussed about the Synergy E bike which is pioneered by Synergy Dhenkanal and was quite impressed with the innovative work. He has also shown interest for investment and collaboration on its manufacturing model.



Society function of various departments at Synergy, Bhubaneswar



CSESYN 2K23



ELSYNE 2K23



SYNSATION CIVIL 2K23

Newsletter

Celebration of International Day of Yoga at Synergy, Dhenkanal

Synergy, Dhenkanal celebrated International Day of Yoga between 21/06/2023 to 26/06/2023. Many renowned Yoga trainers like Mrs. Sujata Mohanty, Mr. Manoranjan Mohanty, Mrs. Jolly Lenka, Mr. Babuli Sahoo and Mr. Samir Pradhan of Art of living and Patanjali Yoga Pitha were invited to the institute to train young students and staffs of our institute. One online program was also held with Prof. A.T. Rajkumar on “Yoga for stress management and mastering the thoughts” on 24/06/2023. Valedictory ceremony was organized on 26/06/2023 where the yoga trainers were felicitated by Principal Dr. Itishree Mohanty. The program was coordinated by Dr. Jayashree Singh.



Celebration of International Day of Yoga at Synergy, Bhubaneswar

Synergy Institute of Technology, Bhubaneswar celebrated International Yoga Day on the 21st of June, 2023, chaired by Dr. Ajaya Kumar Swain, Professor in the Department of Electrical Engineering and Director of the institute. The day was observed by an active and rejuvenating Yoga session in the Seminar Hall of the institute. Students and faculties participated in the session in which the chairperson guided them through a host of health-benefiting asanas like Surya Namaskar, Kapal Bhati, Bhastrika Asana, Bhramari Asana, Sarvangasana, Ustra Asana and several others.



Celebration/Observation at Synergy, Bhubaneswar



World Environment Day



World No Tobacco Day

Celebration/Observation at Synergy college of Nursing, Dhenkanal



Lamp-Lighting and Oath Taking Ceremony



Model Presentation Program



Celebration of International Nurse's Day

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

Prof. (Dr.) Jogeswari Rout, Principal, Synergy Institute of Technology, Bhubaneswar and **Dr. Ramesh Chandra Nayak**, Professor and Head, DME SIT, Bhubaneswar attended the workshop on Future of Work: Skill Architecture and Governance Models of India and Singapore on 25/04/23. The workshop was organized on the sidelines of the third Education Working Group Meeting in Bhubaneswar, Odisha in collaboration with the Singaporean Ministry of Education and Ministry of Trade and Industry.

Prof. (Dr.) Jogeswari Rout, Principal, Synergy Institute of Technology, Bhubaneswar and **Dr. Ramesh Chandra Nayak**, Professor and Head, DME SIT, Bhubaneswar along with several B. Tech students from Synergy Institute of Technology, Bhubaneswar attended the inaugural meet of Skilled in Odisha Conclave, 2023 held at Kalinga Stadium on 20/4/2023.

Dr. Abhilash Purohit, Asst. Professor, Department of mechanical engineering, Synergy Institute of Engineering and Technology Dhenkanal participated in one week FDP from 19/06/2023 to 24/06/2023 on Advancements in Mechanical Engineering organised by Lakireddy Bali Reddy college of engineering, Mylavaram, Andhra Pradesh.

Prof. Debasish Rout, Assistant Professor, Department of Mechanical Engineering, Synergy Institute of Engineering and Technology Dhenkanal participated at International Conference on "Emerging Trends in Engineering and Technology-Industry 4.0" from 6th to 7th May 2023 at Indira Gandhi Institute of Technology Sarang.

Prof. Tapasi Das, of computer science and engineering department of Synergy institute of technology, Bhubaneswar attended FDP on "Developing academic and administrative leadership through innovation and E-Learning tools" from 2/05/2023 to 06/05/2023 conducted by Aryan institute of engineering and technology in association with Indian society of technical education.

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

Dr. Ajaya Kumar Swain, Professor in the Department of Electrical Engineering and Director of Synergy, Bhubaneswar presented a paper titled "Harmonic Estimation of Modern Power System Using Improved Grey Wolf Optimization-Based Recursive Least Square Approach" in the 5th International Conference on Energy, Power and Environment (ICEPE, 2023) organized by the Electrical Engineering department NIT, Meghalaya, Shillong, India on 15th-17th June, 2023.

Dr. Ramesh Chandra Nayak, Chandrika Samal, Manmatha Kumar Roul, Payodhar padhi, A New Irrigation System Without Any External Sources, Journal of The Institution of Engineers (India): Series A, 2023, 104(2), pp. 281-289.

Dr. Ramesh Chandra Nayak, Abinash Sahoo, Ajit K. Senapati, Manmatha K. Roul, Krutibash Khuntia, Book Chapter: Natural Convection Heat Transfer with rectangular segment rings inside a Vertical Heated Tube" for the book Advanced Engineering Research and Applications (AERA). Chapter Code: RM-AERA: 177. RESEARCH INDIA PUBLICATIONS (RIP).

Dr. Ramesh Chandra Nayak, Swarnaprava Routray, Krutibash Khuntia, Debashree Padhi, "Fabrication of Smokeless Stove for Preserving Rural Women Health Constraint with AYUSH Guideline" SWASTHYA, Global Ayush & Wellness ExpoCon- 2023, Supported by Ministry of AYUSH, Govt. of India & Ministry of Tourism, Govt. of India & Dept. of Ayush, Govt of Telangana, 23-25 June, HITECH, Hyderabad, Telangana, India. (Presented and Paper accepted). RIST 2023 Intl. Conference, Design and development of a model to measure velocity ratio of different drive systems, Snigdha Satapathy, Vishal Guru, **Dr. Ramesh Chandra Nayak***, (Presented and Paper Published) Holy Grace Academy of Engineering, Mala, Thrissur, Kerala, India.

Water withdrawal mechanism from the under-ground for constructional work without any external source, Sidhartha Sankara Muduly, **Dr. Ramesh Chandra Nayak ***, Krutibash Khuntia, (Presented and Paper published) 6th International Conference on Challenges & Opportunities for Innovation India, COII-2023 (06th - 8th April, 2023).

Prof. Priyanka Priyadarshini, Department of Management, Synergy, Bhubaneswar published a paper titled "Improving Technical Education Through the National Education Policy 2020: A critical Assessment" in International Journal of Research in Computer Application and Management (IJRCM), ISSN2231-1009, Vol. No.13, Issue No. 5., May 2023, pp.6-10.

Prof. Priyanka Priyadarshini, Department of Management, Synergy, Bhubaneswar presented Paper in National Conference on the Topic - "Contributions of Resilient Employees in Building Sustainable High Performance in Organizations" held from 21st April - 22nd April 2023 Organised by P.G Department of Business Management of Fakir Mohan University, Balasore.

Dr. Subhakanta Dash, HOD, Chemistry, Synergy, Dhenkanal has published a research article titled "Role of Algae in Biodegradation of Plastics" in the Wiley Journal.

Prof. Priyabrata Pradhan & Dr. Abhilash Purohit Department of Mechanical Engineering, Synergy, Dhenkanal have published a research paper on "Dielectric properties, thermal analysis and conductivity studies of biodegradable and biocompatible polymer nano composites in Biodegradable and Biocompatible Polymer Nanocomposites".

Faculty Achievements by the Staff of Synergy, Dhenkanal & Synergy, Bhubaneswar

Dr. Ramesh Chandra Nayak, Synergy, Bhubaneswar was selected as Professional Ambassador of IFERP.

Dr. Ramesh Chandra Nayak, Synergy, Bhubaneswar was selected the Editorial Board member in The International Journal for Scientific Research Innovations (IJSRI) is a peer-reviewed open access international journal.

Dr. Ramesh Chandra Nayak, Synergy, Bhubaneswar reviewed the article "Performance Comparison of Three Prototype Biomass Stoves with Traditional and Mirt Stoves for Baking Injera" Title ID 261046e7-ca23-4637-a4e2-917efa50493c. Energy, Sustainability and Society, May 28, 2023. Dr Nayak received the complimentary access of SCOPUS (The world's largest abstract and citation database of peer-reviewed literature).

Dr. Ramesh Chandra Nayak, Synergy, Bhubaneswar reviewed the manuscript, "Blood Flow with Heat Transfer through Different Geometries of Stenotic Arteries," of the Journal "Trends in Sciences" (Scopus Indexed) Trends in Sciences (TiS) Issues per year (2023): 12 Issues (Monthly) 2021 CiteScore (Scopus): 0.8 (Q3).

Dr. Ramesh Chandra Nayak, Synergy, Bhubaneswar was selected as the Editorial Board of an editor with Unique Editor Id "IIPER1678872420" for the edited book series titled "Futuristic Trends in Mechanical Engineering" with Series Code IIPV3EBS01_G36. IIP Edited Book Series Iterative International Publishers (IIP)

Dr. Ajaya Kumar Swain, Professor in the Department of Electrical Engineering and Director of Synergy, Bhubaneswar received the 'Best Script Writer' award from Lok Natya Parishad & Achievers' News Channel Forum on the 12th of May, 2023.

Newsletter

Training & Placement at Synergy, Dhenkanal & Bhubaneswar

During this academic year, 365 students of Synergy Institute of Engineering & Technology, Dhenkanal & 120 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 April to June 2023.

Synergy, Dhenkanal

SL.NO.	DATE OF EVENT	COMPANY NAME	FINAL SELECTION STUDENTS NAME	BRANCHES
1	11.04.2023	JAYASHREE POLYMER	Digbijayee Sahoo	EE
			Pradyumna Sahoo	EE
			Pursottam Sethy	EE
			Om Prakash Behera	EE
			Sibu Sahoo	EE
			Abhilash Sethy	EE
			Suryanshu Rout	EE
			Jayaprakash Mishra	EE
			bikramaditya Gochhayat	EE
			Ashutosh Panda	EE
2	27.5.2023	KODNEST	RAJASHREE MOHAPATRA	CSE

Synergy, Bhubaneswar

SL.NO.	DATE OF EVENT	COMPANY NAME	FINAL SELECTION STUDENTS NAME	BRANCHES
1	2.5.2023	Eastern Software System PVT. LTD	Swapnesh Sahoo	CSE

Alumni Talk at Synergy, Bhubaneswar

Synergy Alumni Association and Department of Electrical Engineering, Synergy Institute of Technology, Bhubaneswar organized an alumni talk on "Operation and Maintenance of LT and HT Line" on the 12th of May, 2023. The talk was chaired by Prof(Dr) Ajaya kumar Swain, Professor in the department of Electrical Engineering and Director of the institute and the speaker for the day was Er Biswa Ranjan Behera, Lead Engineer(O&M), TPCODL. A total of around 120 Diploma and Degree students of Electrical engineering branch had attended the Alumni talk.



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

Sl.	Date	Name & Description of the Training/ Programme/ Activity conducted by HRDC, DPS Society
1	27 th to 31 st May, 2023	Mr. Sushanta Kumar Sahu, PGT Mathematics attended the Training Programme on Senior Secondary Mathematics at HRDC, DPSS, Greater Noida, New Delhi.

Seminar/Workshop/Conference Conducted at DPS, Dhenkanal

DPS, Dhenkanal organized a Vedic Mathematics session on 8th of May conducted by Shree Ram Chandra Deo for grades 9 & 10 where the main objective of the education was the development of physical, moral or spiritual and intellectual powers.

Student Achievements of DPS, Dhenkanal

Arpirta Priyadarshini, (Grade VIII), has been selected for the National level, Nruty Kalabhusan Bal Puraskar- 2023. She has been selected out of 150 nominations from all over India. She was felicitated on 29th April 2023 at Nagpur.

Toppers of CBSE Board Examinations for the session 2022-23 at DPS, Dhenkanal



Grade 12 CBSE Board Examinations, 2023
Sania Rath
scor the highest in the science stream- an outstanding aggregate of 95.6%,

Grade 10 CBSE Board Examinations, 2023.
Pritam Mohanty excelled and scored a whopping 96.6 % ,



Ultimate Achiever of JEE Main 2022-23 at DPS, Dhenkanal

Srijukta Mishra of grade 12 (2022-23) showed exemplary dedication and proved to be one of the ultimate achievers in JEE Main. She scored 95.918 percentage.



Newsletter

Celebration of Utkal Diwas at DPS, Dhenkanal

On 1st April 2023, 87th Utkal Diwas was celebrated in DPS Dhenkanal School campus. The program was hosted by Mrs. Snehanjali Mohanty in Odia and started with the lighting of the lamp by the Principal Mr. Vijay Kumar Sahu. Teachers sang the state anthem Vande Utkala Janani. A speech was delivered by the Principal about Odisha's culture, traditions and history. The program ended with Odia speech about Utkal Diwas by Mrs Padmaja Acharya.

Visit of Special Guest to DPS, Dhenkanal

DPS Dhenkanal had the privilege of hosting a session with the former principal DPS Siliguri, Shri S. P Das on 18th April 2023. The guest of honour along with his kindred was welcomed by the school management, Pro Vice Chairman, Shri Binod Dash. The principal Sri Vijay Kumar Sahu felicitated the guests and extended a warm welcome to them. Shree S.P Das, who has rendered several years of service in the field of education. He has been heading DPS, Siliguri since 2006 till his retirement. The guest interacted with the teachers and answered all the queries, practical problems that the teachers face in handling the students. The behavioral issues of the students and other relevant issues were discussed



Celebration of International Yoga Day at DPS, Dhenkanal

International Yoga Day was celebrated by the students and teachers at DPS, Dhenkanal with great enthusiasm. Students took part in various activities. Students from grade I to grade XI demonstrated Surya namaskars and various asanas. Warm up exercises were taken and all the students performed sitting and standing asanas, importance of these were explained simultaneously. The celebration concluded with the speech by our Principal Mr. Vijay Kumar Sahu. He encouraged students to practice regular yoga to remain fit and improve concentration.



Summer Fiesta 2023 at DPS, Dhenkanal

The Summer fiesta 2023 started on the of 9th May 2023, for children to learn new skills in a safe and nurturing environment. The camp duration was 9 days, and continued till 16th May 2023. Around 550 students participated in different activities. The Objectives of Summer Fiesta was

- ◆ To engage the kids in activities that they find both enjoyable and meaningful
- ◆ To give them an opportunity to learn and develop skills like Art & Craft, Dance, Music, Pottery, yoga, 3D Animation etc.
- ◆ To provide an even platform for all kids to explore and express their creativity, in any form
- ◆ To educate and create awareness among them about various issues like Environment, Nutrition, etc





Synergy, Dhenkanal St John Ambulance Nursing Division in first aid service camp during return car festival of Lord Jagannath at Dhenkanal



Students of Synergy, Dhenkanal participating in a rally on 26/6/2023 on the occasion of observation of International Day against Drug Abuse and illicit Trafficking



Synergy, Dhenkanal promoting one student one tree plantation for a greener future on 30/6/2023



NCC Annual Training Camp 2023 at Synergy Dhenkanal from 1st June 2023 to 10th June 2023



Abhas Kumar Sinha 3rd Year, Department of CSE, Synergy, Dhenkanal secured an on-site internship at IIT Hyderabad as an ML Research Engineer



Satyapriya Rout, 3rd Year, Department of CSE, Synergy, Bhubaneswar secured 2nd position in the Photography competition at the Odisha State Level ISTE Student Annual Convention on 3rd June, 2023.



Aditya Narayan Nanda 1st Year, Department of CSE, Synergy, Dhenkanal won medal in EDUNO INTERNATIONAL OLYMPIAD -2022

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Chief Editor: Mr. Smruti Ranjan Dash,

Members : Mrs. Jennifer Momin, Ms. Arpita Patro, Mr. Pravat Kumar Behera, Ms. Aparna Priyadarshini, Mrs. Prangyamayee Nanda

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