



Darshan

The Quarterly Newsletter

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Celebrating



Glorious
Years

Synergy Group of Institutions

Message from The Chairman.....

Green Economy



A green economy is defined as low carbon, resource efficient and socially inclusive. In a green economy, growth in employment and income are driven by public and private investment into such economic activities, infrastructure and assets that allow reduced carbon emissions and pollution, enhanced energy and resource efficiency, and prevention of the loss of biodiversity and ecosystem services.

A green economy aims at development without causing a negative impact on the environment. The present economy encourages people to buy more things. Rising materialism is depleting natural resources, causing a negative impact on the environment. The green economy is an alternate economic model, which focuses on conscious consumption, promotes reusing, repairing and recycling things.

It is based on five principles: **1) Wellbeing principle** – The green economy is people-centered. It promotes environment-friendly lifestyles, decent livelihoods and overall wellbeing of people. **2) The justice principle** – Green economy ensures development for the present generation as well as for the future generations. Moreover, it ensures that everyone has equitable opportunities, and as a result, income disparities will reduce. **3) The Planetary Boundaries Principle** – It promotes protecting and restoring the natural resources. **4) The Efficiency and Sufficiency Principle** – It encourages people to limit consumption of natural resources to sustainable levels. It promotes eco-innovation. **5) The Good Governance Principle** – It ensures that leaders make policy decisions with the consent of public and without the involvement of vested interests.

A green economy promotes sustainable development by promoting several things such as a circular economy, low carbon emissions industries, bioeconomy, clean energy transportation etc. It has the potential to slow down climate change. The green economy paves the way towards sustainable development and ensures the availability of natural resources for future generations. All the countries should implement policies to shift the economic model towards green economy.

(Binod Dash)

Chairman & Managing Trustee,
Synergy Group of Institutions

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DHENKANAL



BHUBANESWAR

“International Yoga Day” Celebration at Synergy, Dhenkanal

Synergy Institute of Engineering and Technology celebrated International Yoga week between 21/06/2022 to 27/06/2022 in both online and offline mode. International Yoga Day was celebrated on 21/06/2022 in the institute premises. In morning session Mr.A.K Jena (SIET) and Mr. Ramesh Chandra Mallick of Bharat Swabhiman Trust conducted yoga program for all NCC cadets, students and staffs. In the evening a webinar was conducted on topic “Control mind and Calculate Happiness” by Prof. A.T Rajkumar who is one of the renowned spiritual Yoga trainer of India. There were three seminars and three webinars conducted to celebrate International Yoga week. Teachers of Arts of Living, Pattanjali, Bharat Swabhiman Trust, Sahaja Yoga Meditation Centre and Niramaya Health Yoga presented their respective topics in the remaining days of the week. Various competitions are held among School and College students and prize distribution ceremony was done in presence of Chief Guest Mrs. Sujata Mohanty of Art of living, Dhenkanal on 22/6/2022. On 23/6/2022 webinar was conducted on Medical Yoga, Hath Yoga and Yoga diet by Ms. Rasmita Nayak and Gouri Shankar Nayak from Niramaya Health Yoga Centre, Bhubaneswar. On 24/6/2022 a webinar was conducted by Ms. Preeti Yadav of Sahaja Yoga Meditation Centre. Very easy Yoga & Meditation techniques are learnt by our students. On 25/6/2022 Mr. Manoranjan Mohanty of Art of Living explained about significance of Yoga in human life. On 27/06/2022 valedictory function of IDY-2022 was organized in the institute premises with Mrs. Jolly Lenka, teacher of Art of Living and also the chief speaker of the function. The program was co-ordinated by Dr. Jayashree Singh.



“International Yoga Day” Celebration at Synergy, Bhubaneswar

An hour long “Yoga Session” was organised at Synergy Institute of Technology, BBSR on 21-06-2022 to celebrate the “International Yoga Day”. All the students and faculties attended the yoga session which was conducted by Sri S. K. Rout, Chief Librarian, Synergy, Bhubaneswar.

Celebration of “Resonance 2022” at Synergy, Dhenkanal

The Department of Electrical Engineering celebrated its Annual function Resonance 2022 for one day on 22nd April 2022 in the college premises. Prof. (Dr.) Bijoy Kumar Sahoo, VC, Southern University, USA was the chief guest of the function. There were 15 events organized and the total number of participants of all semesters were 105. The inaugural speech was given by Principal Dr. Itishree Mohanty and welcome address by Prof. S.S.Pati, HOD of the Dept. Prof. S.S.Mohapatra faculty co-ordinator read out the department Annual report. Student co-ordinator Ms. Ruchika Singh managed all the events. Prof. (Dr.) L.D.Samant, proposed the vote of thanks. The function ended very successfully and was appreciated by all concern.



Entrepreneurship Awareness Camp at Synergy, Dhenkanal

ED Cell Synergy, Dhenkanal organized an Entrepreneurship Awareness Camp in association with Institution’s Innovation Council. The session was graced by Shri Pawan Gupta, Joint Director and HOO, MSME-DI, Cuttack, Shri P.Pravakar Rao, GM, RIC, Dhenkanal, Shri Debasish Mohanty, Regional Head, Emerging Enterprise Group, Ms. Amrita Sabat, MD Sabat Exports and Co-founder, Brand Utkal Amrita, Ms Nazia Ali, Founder-Lovely Obsessionz and Shri Binod Dash, CMT, Synergy Group of Institutions. Shri Pawan Gupta, Joint Director and HOO, MSME-DI, Cuttack told “The Govt of India continues to provide opportunities and facilitating marketing facilities to fresh as well as professional entrepreneurs through the MSME department. Entrepreneurs can avail facilities and financial assistance with guidance of MSME, and can undergo training at different phases”. Shri P.Pravakar Rao, GM, RIC, Dhenkanal focusses the state MSME schemes and projects which entrepreneurs can avail at district level. Many small and medium entrepreneurs have scripted success stories in Dhenkanal, he added.



Newsletter

World Health Day celebration at Synergy College of Nursing, Dhenkanal

World Health Day was observed on 7th April 2022 by the Nursing students and staff at Synergy College of Nursing, Dhenkanal. In this occasion a debate competition was organized for the students based on this year's WHO theme "Our Planet Our Health". Many students participated in the competition and presented their views.



Dental health program at Synergy college of Nursing, Dhenkanal

SA dental health programme was organized on 9th April 2022 in the premises of Synergy College of Nursing, Dhenkanal in collaboration with "Dant Sanjeebani Trust". The secretary of the trust Dr. R. K. Mishra presented the topic "Dental Awareness" along with his staff. All the students and staff have actively participated in this programme.



International Nurse's Day celebration at Synergy college of Nursing, Dhenkanal

Synergy College of Nursing, Dhenkanal observed 202nd International Nurses Day & Lamp Lighting Ceremony on 12th May 2022 at Synergy Conference Hall. Dr. Binod Kumar Mishra MD (Pediatric) KIMS Hospital, Indian Academic of Pediatric President graced the occasion as Chief Guest. Sri Binod Dash Chairman & Managing Trustee of Synergy Group of Institutions also graced the event. On the occasion of Nurses Day a tree plantation program was conducted by our Chief Guest.



Model Presentation by B.Sc Nursing 1st Year Students at Synergy College of Nursing, Dhenkanal



A model presentation of Human Anatomy was done by the B.Sc Nursing 1st year students of Synergy College of Nursing, Dhenkanal on 31st May 2022. The students had prepared models on various parts of human anatomy, steps of hand washing & Bio-medical waste management system which they beautifully demonstrated with proper explanation.

Celebration of World Environment Day at Synergy Institute of Science & Management, Dhenkanal

Synergy Institute of Science & Management, under Shivani Educational & Charitable Trust celebrated World Environment Day on 04.06.2022 in the institute premises. On this occasion various competitions were held among school and college students like essay, quiz, and poster making competitions etc. The occasion was graced by Dr. Anita Pati, HOD, Chemistry, KIIT University and Mr. Tuhinanshu Kar, Scientist, Ornithological Department, Chilika Development Authority, Sri Binod Dash, Chariman and Managing Trustee, Smt. Anita Padhi, Trustee, Synergy Group of Institutions, The programme comprised of one technical and one cultural session. Dr. M.P.Dash, Principal SISM, delivered the welcome address and vote of thanks was proposed by Dr.J.Singh, HOD, Physics.



Student Induction Programme of Synergy, Dhenkanal



As per AICTE model curriculum under student induction training program, model village and company visit was organized on 06.06.2022. Students went to J.K Lakshmi Cement Company, Dhabaleswar Village and Ansupa Lake during the field visit. Total 121 students accompanied by 9 staff members made this event successful for the students Batch 2021 – 2022. The team was co-ordinated by Dr. Jayashree Singh and Mrs. Kalpana Sahu.

Research & Development

Seminar/Workshop/ conference attended by the faculty of Synergy, Bhubaneswar & Synergy, Dhenkanal

Rashmi Ranjan Mohanty of Department Of Computer Science And Engineering, Synergy Institute of Technology, Bhubaneswar had participated in a National seminar on “Sensor cloud and IOT-The Trilogy of Next Gen Technological Innovations” which was ,conducted on 23rd April 2022 by USBM.

An Online training on “Cyber Security” was attended by Rashmi Ranjan Mohanty on 5th May-2022 which was organized by the Department of Computer Science and Engineering, Synergy Institute of Technology, Bhubaneswar , AICTE-CPF

FDP Program on “Cloud Based Sensor Data Management: A Railroad Prospective “was attended by Tapasi Das and Rashmi Ranjan Mohanty from The Department of Computer Science and Engineering, Synergy Institute of Technology on 8th May 2022 organized by IMIT,Cuttack

Ms Subhasmita Pattnaik, Lect-in-English, Ms Priyanka Priyadarshini, Asst. Prof. in Mgmt, Ms. Manisha Mohanty, Asst. Prof. in CE, Mr Saroj Dash, Asst. Prof in ME, Mrs Tapasi Das, Asst. Prof. in CSE attended a one day training on “FUTURE READY CONTRIBUTOR PROGRAMME - 2022 (FRCP)” at Rajdhani Engineering College, Bhubaneswar on 11.04.2022 for the ongoing 6th semester course prescribed by BPUT.

Mrs. Jennifer Momin, Asst. Prof. in English & Mrs. Kalpana Sahu, Asst. Prof. in Mgmt, participated in the Faculty Development Training for the Future-Ready Contributor Program held at Raajdhani Engineering College (REC), Bhubaneswar on 11th and 12th April 2022 respectively, for the ongoing 6th semester course prescribed by BPUT.



Paper Published /Presented & Talks Delivered by the faculty of Synergy, Dhenkanal & Bhubaneswar

Dr. Ramesh Chandra Nayak, Manmatha K Roul, Prateek Debadarsi Roul, published “Design and development of smokeless stove for a sustainable growth, archives of thermodynamics, Vol. 43(2022), No. 1, 109–125, DOI: 10.24425/ather.2022.140927.



Dr. Ramesh Chandra Nayak et al. published a paper on “Natural convection flow through heated vertical parallel plates” Journal of thermal engineering and application, Vol 9, Issue 1, 2022, pp: 9-17.

Dr. Ramesh Chandra Nayak et al. published a paper on “An attachment with the hand pump to lift water without any external source, Materials Today: Proceedings, 2022, ISSN 2214-7853, <https://doi.org/10.1016/j.matpr.2022.04.859>



Mr. Biswanjan Sarangi from the Department of Computer Science and Engineering of Synergy Institute of Technology , Bhubaneswar has published a conference paper entitled “Outlier detection in wireless sensor network for health care : A statistical approach “ in IEEE Xplore”.

Faculty Achievements of Synergy, Bhubaneswar

Dr. Ramesh Chandra Nayak was awarded “National Education Excellence Achievers Award” by Navbharat Rashtriya Gyanpeeth, a government registered charitable organization, Pune, India -Supported by : Council for Economic Growth and Research in April 2022.

Dr. Ramesh Chandra Nayak received the “Scopus Academy certificate” for completion of the Features of Scopus module on Scopus Academy. Our Institute has been selected to conduct Impact Lectures in Online Mode in collaboration with MOE’s Innovation Cell, Government of India. (Co-ordinator and President IIC: Dr. Ramesh Chandra Nayak)

Tapasi Das from the Department of Computer Science and Engineering, Synergy Institute Of Technology, BBSR has successfully completed Post Graduation Program in “Artificial Intelligence and Machine Learning” on May 2022 conferred by The University of Texas at Austin

Student Achievement of Synergy, Bhubaneswar

Nikita Swain, a student of 3rd Semester, CSE Department, Synergy Institute of Technology, BBSR recieved First Prize in the Debate Competition organized by The Utkal Chamber of Commerce & Industry Ltd. (UCCIL), Bhubaneswar on account of “Odia New Year” & “ Dr. Ambedkar Jayanti”.



Training & Placement at Synergy, Dhenkanal & Bhubaneswar

During this academic year, 293 students of Synergy Institute of Engineering & Technology, Dhenkanal & 106 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, KALISMASTEEL, DIGICALL, SILICON 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, AFFIMITY etc. SILICON 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 2022.

SYNERGY, DHENKANAL				SYNERGY, BHUBANESWAR			
DATE	COMPANY	NAME	BR.	DATE	COMPANY	NAME	BR.
21.05.2022	LAXMI-AGNI COMPONENTS & FORGINGS (P) LTD	Smruti Sourav Nayak	ME	23.02.2022	DANA INDIA (P) LTD. CHENNAI.	Biswajit Swain	ME
		Pranab Naik	ME			Harsh Vardan Vishwal	ME
		Pratik Ranjan Samal	ME			Reeshabh Sharma	ME
		Pratek Mansingh	ME			Soumya Ranjan Beura	ME
		Chinmaya Sahoo	ME			Abhijit Majhi	ME
		Nitesh Kumar Singh	ME			Antaryami Das	ME
		Vaswat Kumar Nayak	EE			Dipti Ranjan Bhoi	EE
		Sonali Priyadarshini	EE			Santunu Kumar Sahoo	EE

Alumni Talk at Synergy, Bhubaneswar

A Technical talk on “PHP Programming” was conducted by the Department of Computer Science and Engineering of Synergy Institute of Technology, Bhubaneswar on 30th April 2022. An Alumnus, Mr. Sreetam Nayak presently working as a Software Developer at Colourmoon Technology, Visakhapatnam delivered his talk as resource person to all the participated students and faculties. The seminar ended with a vote of thanks delivered by the co-ordinator Prof. Tapasi Das of CSE Department



Alumni Talk at Synergy, Dhenkanal

A Technical talk on “Cloud and Microservices” was conducted by Synergy Alumni Association and Department of Computer Science and Engineering of Synergy Institute of Engineering and Technology, Dhenkanal on 21st May 2022. An Alumnus, Mr. Kumar Pallav, Vice President, Morgan Stanley delivered his talk as resource person to all the participating students and faculty. The webinar was coordinated by Prof. Smruti Ranjan Dash, Secretary of Synergy Alumni Association, Dhenkanal.



Obituary

The staff and students of Synergy Group of Institutions lost one of its revered employees Sri Arun Barik, unexpectedly on 28th April, 2022 after he suffered a massive cardiac arrest while performing his official duties. We have so many cherished memories of him here with us as he was a part of this institution since its inception. We were humbled by his kindness, sincerity, generosity and compassion towards everyone around him. We express our sincere condolences to the bereaved family and friends.



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

Sl.	Date	Name & Description of the Webinars Conducted by HRDC, DPS Society
1	4 to 6 May, 2022	Ms. Tapoti Taponwita, TGT Computer Science attended the Online Training on “Orientation to Technology” and “Power of Application Development”
2	11 & 12 May, 2022	Ms. Pragya Parimita Pradhan, TGT English attended the Online Training on “Effective Communication Skills”
3	13 May, 2022	Mr. Satwik Pal, TGT Social Science attended the Online Training on “On Writing Well”
4	18 May, 2022	Mr. Koustav Mukherjee, PGT Biology attended the Online Training on “Happiness Curriculum for teachers, students and beyond”.
5	19 May, 2022	Mr. Soumen Chatterjee, PGT Maths attended the Online Training on “Sensitising Teachers about Vocational Education”.
6	20 May, 2022	Mr. Sripati Mishra, TGT Maths attended the Online Training on “Educational Management: Envisioning the Role of Teachers with Special Reference to NEP 2020”.
7	25 May, 2022	Ms. Bina Sahoo, PRT attended the Orientation Session for Academic Counsellors. The Session was conducted by the representatives from Tel Aviv University, Israel

Science Workshop By Jigyanshu at DPS Dhenkanal

There was a science workshop conducted by Jigyanshu on 17th May 2022 which was held in the school auditorium for Std 10 students. The team of Jigyanshu demonstrated the image formation of spherical lenses and mirrors using custom made led lights and laser beam lights. Demonstration of Bernoulli’s theorem was also done by using tubular polythene sheets. Verification of Newton’s law of motion was carried out by the team. The horizontal range of a projectile was also shown by the use of a rocket thruster. In a nutshell, the students learnt the various image formations and about other important theorems through the workshop. Students were enthralled by the demonstrations of these activities.



Summer Fiesta at DPS, Dhenkanal



Farewell to Outgoing Class XII Students of DPS, Dhenkanal



Dental Awareness Programme at DPS Dhenkanal



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Celebration of “Utkal Divas” at DPS Dhenkanal

DPS Dhenkanal celebrated Utkal Divas on 1st April, 2022 at the school auditorium. All the staff members paid tributes to the leaders of Odisha - Madhusudan Das, Gopabandhu Das, Maharaja Krusha Chandra Gajapati, Fakir Mohan Senapati, and Gouri Shankar Ray. Mr. Vijay Kumar Sahu, Principal and some teachers highlighted the elegant art and architecture of Odisha through their speech. Teachers presented the state song “Vande Utkala Janani”.



Visit of Dr. Bijoy K. Sahoo to DPS Dhenkanal

Eminent Personality and Vice Chancellor of Southern University, United States of America, Dr. Bijoy K. Sahoo Visited to DPS Dhenkanal with his wife and motivated the students of class XII. Prior to joining Southern University, Sahoo served as a tenured professor of finance at North Carolina Central University (NCCU) from 2004 to 2018. Dr. Sahoo has also worked as a consultant and later as Executive Dean at North South University (NSU) in Dhaka, Bangladesh. Dr Sahoo, who has received several awards and other recognitions, serves on the Editorial Board of International Journal of Management and Technology. He has received several grants from the federal government and local institutions either to engage in instructional innovation or to engage in research. Dr Sahoo received his B.A. (Honours) from Ravenshaw College and his M.A. from Utkal University, India. He received his MBA and his Ph.D. from the University of South Carolina.



Celebration of “Earth Day” at DPS Dhenkanal

Earth Day was celebrated on 22nd April, 2022 at Delhi Public School, Dhenkanal. It was a great day to showcase the environmental concerns, highlight efforts to make a green world and engage the whole school in this noble cause. A special assembly was conducted by grade 7 and 8 students, in which students spoke about the importance of Earth Day, outstanding cognizance skit was performed by the Grade 7 students about saving earth and making it a better place, so that it would be a valuable gift for the next generation. Principal, Mr. Vijay Kumar Sahu addressed the students and made them aware of their duties in conserving the Earth’s resource. Eco-club of DPS, Dhenkanal organized a plantation program within the campus, which was done by revered Principal, eminent personality and Vice Chancellor of Southern University, United States of America, Dr. Bijoy K. Sahoo and his wife on the auspicious occasion.



Celebration of “International Yoga Day” at DPS Dhenkanal

International Yoga Day was celebrated in Delhi Public School, Dhenkanal on 21st June 2022. Mr. Manoranjan Mohanty was invited as an expert on this occasion. The program was inaugurated by Principal Shri Vijay Kumar Sahu and the expert. The expert gave some valuable advice regarding yoga to the students and teachers. He also practiced some Yoga Asanas, Pranayam and Meditations.

The programme was anchored by Mrs. Sarita Sharma and assisted by Mrs. Monalisha Pradhan, Mrs. Sasmita Swain, Mr. Prakash Swain, Mr. Ganesh Mishra and Mr. Samir Kumar Barik. The vote of thanks was delivered by Mr. Abhayananda Bihari.



Session on “Save Soil by Sadhguru” at DPS Dhenkanal

An Interactive Session on “Save Soil by Sadhguru” was organized on 19th May 2022 in the School auditorium for Grade 9 Students. Mr. Punyashloka Panda, National Coordinator of Youth for Sustainability and Sadhguru’s Official Ambassador, Odisha, was the guest speaker of the session. The session started with an introduction on importance of saving soil. It was related to ‘Save Soil’ which is a global movement launched by Indian spiritual leader Sadhguru to address land degradation and advocate for healthy soil. The initiative was presented on 5th April at the United Nations in Geneva by the Isha Foundation and supported by the WHO, UN SDG Lab and IUCN.

Newsletter



Plantation Programme at Synergy, Dhenkanal with Mr Rajesh Tiwari ITS (Retd) and Former Advisor to Reliance Industries & Mr Prasanjeet SinghDeo along with our CMT.



Celebration of Mahatma Jyotiba Phule Jayanti at Synergy, Bhubaneswar with Samir Mohanty, President of BJP, Odisha along with our CMT.



Celebration of World No Tobacco Day at Synergy, Bhubaneswar



Blood Donation Camp at Synergy, Bhubaneswar



Mr. A.K.Jena Security Officer of Synergy, Dhenkanal receiving the "Prakruti Bandhu Award" for the year 2022



NCC Camp at Synergy, Dhenkanal

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