



Celebrating 23 Glorious Years

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# Synergy Group of Institutions



### <u>Message from The Chairman....</u> Surviving Tough Times by Building Resilience

Lately, the world seems to be lurching from one crisis to another. We've experienced a global pandemic, dramatic change to how we conduct our daily lives, economic uncertainty, and political and social turmoil, as well as an array of natural disasters. Then there are personal traumas that people are also dealing with, such as the loss of a loved one, declining health, unemployment, divorce, violent crime, or tragic accidents. For many of us, this is a time of unprecedented struggle and upheaval.

Whether the source of disruption in your life is a global emergency or a personal tragedy—or both—living through difficult times can take a heavy toll on your mood, health, and outlook. It can leave you feeling helpless and overwhelmed by stress and anxiety. You may be painfully grieving all that you've lost, flooded by a slew of difficult, conflicting

emotions, or uncertain about how to move on with your life.

While there's no way to avoid sorrow, adversity, or distress in life, there are ways to help smooth the rough waters and regain a sense of control. Resilience is the ability to cope with the loss, change, and trauma that have been inevitable parts of life even before these extraordinary times. Building resilience can help you better adapt to lifechanging events, cope with turbulent times, and bounce back from hardship and tragedy. While it's often difficult to imagine anything good coming out of traumatic experiences, building resilience can help you find any positives in the difficulties you've faced. Surviving hardships can teach you important things about yourself and the world around you, strengthen your resolve, deepen your empathy, and in time enable you to evolve and grow as a human being.Building resilience can also help you to stay focused, flexible, and productive, in both good and bad times, feel less afraid of new experiences or an uncertain future, manage and tolerate strong emotions outside your comfort zone, strengthen your relationships and improve your communication skills, especially under pressure.

You can develop and improve these qualities of resilience at any time, regardless of your age, background, or circumstances and can help you face hardships with more confidence, better cope with these tumultuous times, and make it through to the brighter, more hopeful days ahead.

# Inside the Issue..

(Binod Dash)

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SYNERGY, DHENKANAL 🎄 SYNERGY, BHUBANESWA



#### Newsletter

#### Lecture event on "The role of youth for the nation building" at Synergy, Dhenkanal

A lecture event on "The role of youth for the nation building" was organized at Synergy Institute of Engineering and Technology, Dhenkanal on Saturday 10/09/2022. The event was inaugurated by our Chief Guest Swami Abhishek Brahmachariji from Shri KarpatriPeeth, Varanasi by lighting the lamp. He said that the contribution of youth is essential in the upliftment of the country. The youth will have to come forward for nation building by rising above politics. Chief Speaker of the day, Shri Rohit Kumar Singh, National Convener of Yuva Chetna, said that youth is the basis of every movement. Be it the freedom movement of the country or any revolutionary movement the basis of all these was youth. On this occasion, Chairman and Managing Trustee of Synergy Group Shri Binod Dash presided over the meeting. Principal Synergy, Dhenkanal, Dr. Itishree Mohanty presented the welcome address. Principals of B.Sc, Diploma and B.Sc Nursing, HODs of all the Depts Teaching and Non- Teaching Staff and the students actively participated and



carefully listened to the lectures of our Guests. The guests were honored and felicitated by our revered CMT sir Shri Binod Dash. The session was successfully coordinated by Mrs. Kalpana Sahu, HOD, Management. Dr. Jayashree Singh, HOD, Physics proposed a formal vote of thanks.

### Technical Talk on "Industry Insight on Future Skill" at Synergy, Bhubaneswar

A technical talk on "Industry Insight on Future Skill" was organized by Computer Science & Engineering Society, Synergy Institute of Technology, Bhubaneswar on 23/08/2022. Prof. Biswaranjan Sarangi, HOD, CSE; gave the welcome address to commence the programme. The chief speaker of the talk was Mr. Subhasis Sarkar, Regional Head- East, NASSCOM. Mr. Sarkar aware the students regarding the skills required in the industries and how they can bridge the gap. The program was coordinated by Mrs. Tapasi Das, Assistant Prof., CSE Dept. The talk ended with a 'Vote of Thanks' by T&P Head, Mrs. Saroj Dash.

#### Inauguration of State Resource Centre at Synergy, Bhubaneswar

Synergy Institute of Technology, Bhubaneswar had organized an inauguration ceremony of "State Resource Centre for Income Generation" on 27/08/2022. Shri Annada Shankar Panigrahi, State Co-ordinator of 'Swavalambi Bharat Abhiyan', inaugurated the State Resource Centre. Shri

Sarada Prasad Satapathy, co-coordinator of 'Swavalambi Bharat Abhiyan'; Shri Ashutosh Mukherjee, 'Swavalambi Bharat Abhiyan', coordinator; Shri Pradip Kumar Mishra, Deputy Director, MSME Govt. of India; Shri Prabodha Badapanda, Entrepreneur; Shri Sandeep Mohanty, Entrepreneur of an Automobile Sector, graced the meeting as the Guest of Honour. Shri Binod Dash, Chairman and Managing Trustee, Synergy Group of Institution presided over the meeting. The meeting was attended by Director (Admin), Prof. ChitrasenJagatdeo; Principal, SIT, Prof. (Dr.) Jogeswari Rout; Shri DharanidharSahu, Principal, Synergy Polytechnic, and Head of the Departments, Faculty members and students. The meeting was concluded with a 'Vote of Thanks' by Prof. ChitrasenJagatdeo, Director (Admin) & HOD of the Department of English. The meeting was anchored and co-ordinated by Miss. Priyanka Priyadarshini, Asst.Prof.,Management and Miss SubhasmitaPattnaik,Asst.Prof.,English.

#### National Seminar on "Industrial Automation" at Synergy Dhenkanal

A National Seminar on Industrial Automation was organized by the department of Electrical Engineering on 3rd August, 2022. Er.Sagar Mohapatra, Technical Officer SDI, Bhubaneswar was the Chief Guest & Er.Dhiren, Technical Officer SDI, Bhubaneswar was the Chief Speaker of the function.Prof.S.S.Pati, Head of the department introduced the delegates and briefed on the seminar topic.Dr. Itishree Mohanty, Principal of the institute presented the welcome address to the delegates.Er.Sagar Mohapatra deliberated regarding various industrial automation being operated in industries. Er.Dhiren highlighted the various modern equipment used in smart buildings & cities. Dr.L.DhallSamanta, Coordinator of the function proposed the vote of thanks.







# Institute Highlights...



#### Newsletter

### Launch of Synergy E-Bike by Synergy School of Engineering Dhenkanal

The Synergy E-Bike was launched on 2nd July 2022, in the presence of Shri Saroj Kumar Sethi, District Collector and Magistrate, Dhenkanal, Shri

P. Pravakar Rao, General Manager, RIC Dhenkanal, Shri Binod Dash, Chairman and Managing Trustee, Synergy Group of Institutions.Students of Mechanical Engineering and Electrical Engineering of Synergy School of Engineering, Dhenkanal have made this bike within a month's time.

It is an electric bike converted from an abandoned bike. It works on 1000 W BLDC auto gear motor and 48 V lithium-ion battery. It is loaded with first in class features like smart battery management system, Real time GPS connectivity, Parental control and anti-theft. Any two-wheeler can be converted into an electric bike or scooter; hence people don't need to buy a new electric bike or scooter, they can convert their old two wheelers and use it as an electric vehicle, hence it is pocket friendly. Subsequently the bike was demonstrated at Odisha Startup Conclave 2022 at Utkal Chamber of Commerce and Industry Itd. Bhubaneswar. Also Dr. Imran Khan, CEO e bikes go India took a test ride of the bike and was very much impressed with the features offered in it.

### Celebration of farewell function at Synergy Institute of Science & Management, Dhenkanal

The farewell function for 3rd year B.Sc "Bon Voyage" was successfully celebrated on 6<sup>th</sup>July 2022 in the institute campus. Dr. M.P Dash, Principal SISM presided over the meeting. Dr.I.Mohanty (Principal SIET) & Dr.P.K Nayak (Director SIET) were the special invitee of the function. All the alumni were felicitated by dignitaries.

A beautiful cultural program was organized by the junior students of B,Sc. All the dignitaries along with junior students wished all alumni for their bright future and presented beautiful gifts as a memory of SISM and their journey in the degree course. Alumni students expressed their satisfaction on academic &non-academic culture of SISM. Vote of thanks was given by Dr.Jayashree Singh, Co-ordinator of the program.

#### Celebration Of Azadi Ka Amrit Mahotsav at Synergy, Bhubaneswar

Synergy Institute of Technology, Bhubaneswar had celebrated "Azadi Ka Amrit Mahotsav"

on 6<sup>th</sup>August, 2022 on account of 75Years of Independent India. The Chief Speaker of the event wasShri Amit Kumar Dashora, The Co-Head of 'All India Educational Cell', New Delhi. The Chairmanand Managing Trustee, Shri Binod Dash presided over the meeting. The Principal, Prof. (Dr.)Jogeswari Rout; Director (Admin), Prof. Chitrasen Jagatdeo; the co-coordinator, Shri

Tejaswar Parida; graced the dais. Shri Dashoraji addressed the students on the topic: "SASHAKT YUVA,SASHAKT BHARAT". All the faculty and students attended the programme with great enthusiasm. The event was anchored by Miss Priyanka Priyadarshini, Asst.Prof., Management and coordinated by Miss Subhasmita Pattnaik, Prof-in-English.



BSC Naveen Kumar MGNCRE World Environment Day 2022 Monitoring Officer







Dr. Itishree Mohanty, Principal, Synergy, Dhenkanal received the appreciation certificate from Mahatma Gandhi National Council of Rural Education for the participation and adding impetus to the activities conducted by the faculty members and students on the occasion of World Environment Day Celebrations in the institute.



Newsletter

# Workshop Attended by the faculty of Synergy, Dhenkanal



Prof.Debasish Rout attended a five-day workshop on Tribology for Equipment Reliability (NWTER-2022), from 12<sup>th</sup> to 16<sup>th</sup> September 2022 at NIT Rourkela.

Prof. Chandana Subudhi attended a five-day Faculty Development Programme on Universal Human Value (UHV-II) from 8<sup>th</sup> to 12<sup>th</sup> August 2022 at Siksha O Anusandhan university Bhubaneswar.

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



Dr. Subhakanta Dash and Dr. Itishree Mohanty of Dept. of Chemistry of Synergy Institute of Engineering and Technology, Dhenkanal published a research paper entitled on "Durability and water absorption studies of fly ash based Pervious concrete- A case study" in the journal of Significances of Bioengineering & Biosciences.

Dr. Subhakanta Dash, Dr. Itishree Mohanty and Prof.Rudra Prasanna Nayak of Dept. of Chemistry of Synergy Institute of Engineering and Technology, Dhenkanal published a research paper entitled on "Cost-effective utilization of industrial fly ash waste in treatment of domestic wastewater" in Asian Journal of Water

Environment and Pollution

Green Innovation towards agriculture to help Farmers, Jyoti Prakash Pati, Aditya Ranjan Parida, Ramesh Chandra Nayak \*, Krutibash Khuntia, First National Conference on Innovations in Business and Management (NCIBM-2022) (Accepted and Presented) paper has been accepted for publication in the book (Book Chapter) Publisher Name: Shree Publishers.\*Corresponding Author: Ramesh Chandra Nayak (rameshnayak23@gmail.com)

A budget innovation in machinery to assist farmers in irrigation, Chinmaya K. Rout, KrutibashKhuntia, Ramesh Chandra Nayak \*, Aditya Narayan Jena, Satyajeet Behera, Soumya Ranjan Das, ICSSR Sponsored National Seminar on Entrepreneurship Development in North East India -Focus on StartUp and Innovation, (Accepted and Presented). \*Corresponding Author: Ramesh Chandra Nayak (rameshnayak23@gmail.com).

Dr.Abhilash Purohit et al. published a paper on "Multi-Objective optimization and experimental analysis of Electro Discharge Machining parameters via Gray-Taguchi, TOPSIS-Taguchi and PSI-Taguchimethods" in Materials Today DOI 10.1016/ j.matpr.2022.05.087

Prof. Priyabrat Pradhan, Dr.Abhilash Purohit, Prof. Sushri Sangita Mahapatra, Prof.ChandanaSubudhi published a paper on "A computational investigation for the impact of particle size on the mechanical and thermal properties of teak wood dust (TWD) filled polyester composites" in Materials Today DOI 10.1016/j. matpr.2022. 05.136

Prof. Priyabrat Pradhan, Dr. Abhilash Purohit, Prof. Sushri Sangita Mahapatra, Prof. ChandanaSubudhi published a paper on "Tribo-Performance Analysis of an Agro Waste Filled Epoxy Composites UsingFinite Element Method" " in Journal of The Institution of Engineers (India): Series E DOI 10.1016/j. matpr.2022.05.136

Dr. Abhilash Purohit et al. published a paper on "Physical, mechanical, and sliding wear behavior of micro-sized Linz Donawintz slag filled epoxy composites" in Journal of Applied Polymer Science, WILEY DOI 10.1016/j. matpr.2022. 05.136

### Faculty Achievement of Synergy, Bhubaneswar

Dr. Ramesh Chandra Nayak received the Scopus Academy (Elsevier) certificate for completion of the "Metrics module" on Scopus Academy. Completed the course with 100% mark. Inovative Project seed funding scheme, IFERP, Project short listed for presentation, July-2022, (Investigator: Dr. Ramesh Ch. Nayak)













# Training & Placement...



#### Newsletter

### 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, 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, PRECESION 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 SEPTEMBER 2022.

SYNERGY, DHENKANAL			SYNERGY, BHUBANESWAR				
DATE	COMPANY	NAME	BR.	DATE	COMPANY	NAME	BR.
21.05.2022	LAXMI-AGNI	Smruti Sourav Nayak	ME	23.02.2022	DANA INDIA (P)	Biswajit Swain	ME
	COMPONENTS	Pranab Naik	ME		LTD. CHENNAI.	Harsh Vardan Vishwal	ME
	& FORGINGS	Pratik Ranjan Samal	ME			Reeshabh Sharma	ME
	(P) LTD	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 Speaks of Synergy, Bhubaneswar

As an alumnus of Synergy, Bhubaneswar I would like to express my gratitude towards my teachers who have supported all through the 4 years with their knowledge and counselling. I cherish the memories, the favorite past times I had in my life! I look forward to keep in touch always while I am away. Synergy, Bhubaneswar has provided me a wonderful environment and opportunity to learn and grow myself academically as well as to secure a place in the corporate with its best placement services.

#### BISWAJIT MALLICK,

Associate System Engineer Capgemini, Kolkata,

As an alumnus, to talk about my college, I would like to say that my college is an inseparable part of my academic journey. The infinite and everlasting memories, the inclusive environment and impeccable methods of teaching are all associated with this eminent institute and above all my teachers, their inspiration and guidance has always been precious. Actually, no words could possibly describe the connection that I share with Synergy Institute of Technology, Bhubaneswar.

SANJUKTA SINGH Assistant Executive Engineer, NHAI, Jharsuguda,

My college days are unforgettable and in fact those days are the happiest & fruitful days in my life. I proudly feel that I cherished every moment of my college. Being a Synergian makes me feel proud. My experience in Synergy, Bhubaneswar was just amazing. I got infinite love and lessons from my teachers, my teachers made me do work hard for acheiving success. Miss those days of Synergy, Bhubaneswar. Just want to thank to the wonderful faculty of Synergy, Bhubaneswar.

SOUMYA RANJAN PATRA Service Engineer

Service Engineer, Larsen & Toubro (L&T).









# News from DPS, Dhenkanal...

Newsletter

#### Achievements of DPS, Dhenkanal Students

Winners in events organized by Odisha Sahitya Academy, Dhenkanal

Odia Essay	$3^{rd}$	- Sreyalaxmi Baral of 7B
Odia Speech	$1^{st}$	- S. Ananya of 6 B
	$2^{nd}$	- AkrutiKhuntiaof 7A
	$3^{rd}$	- Arpita Priyadarshini of 7A
<b>Odia Poem Recitation</b>	$2^{nd}$	- Anshit Nanda of 6C

S Ananya of 6 B won 1<sup>st</sup> prize in State Level Odia Speech Competition organized by OdishaSahitya Academy, Bhubaneswar on the occasion of 65<sup>th</sup> Swarnakshetra Diwas held on 25<sup>th</sup> July, 2022

Ansita Panda of 6 C brought laurels to our school by bagging the first prize in district level Song Competition in the junior category. She was felicitated on Independence Day at Dhenkanal Main Stadium.

It is an extremely proud moment for DPS Dhenkanal, as 6 of our students brought laurels to our school by winning prizes in different activities conducted by the District Science Centre, Dhenkanal in collaboration with Nuclear Power Corporation of India limited on the NPCIL DAE Iconic week celebration on 27/08/2022. Out of 250 Candidates from all over Odisha the following students were awarded-

Dibyasha Mishra -V, ShriyaShilpee–Vll, Snigdha Rani Mishra -XI, Rupali Pattnaik- IX, D.S. Dikshita VII and PratishnuParida- VII

DPS Dhenkanal maintained its record of bagging the first prize in dance at the main stadium on Independence Day in District Level Cultural competition.

District Badminton Association of Dhenkanal organized 6<sup>th</sup> District Badminton Championship 2022-2023 from 29<sup>th</sup> to 31<sup>st</sup> August, 2022 in which: -

Sai Pravat Rashmi of 12 A bagged SINGLES as well as DOUBLES CHAMPION (girls) under 17 age group.

Sanchita Dey and Sai Pravat Rashmi of Grade 12 showed their mettle in DOUBLES CHAMPION (girls) under 17 age group.

Anwesha Sahoo of Grade VIII bagged SINGLES RUNNERS UP under 15 age group.

### **Teachers Day Celebration at DPS, Dhenkanal**

Teachers Day was celebrated at DPS, Dhenkanal on September 5, 2022 in the school assembly ground. A special assembly was arranged by the teachers for the students. After the assembly students went to their respective classes. Senior students who were playing the role of teachers went to the classes and taught the students. Teachers assembled in the auditorium for the cultural program. After the lamp lighting and offering floral tribute to Sarvapalli Radhakrishnan, a cultural program was conducted by the students. The Chairman, of DPS Society Mr. V K Shunglu and Pro-Vice Chairman, Shri Binod Dash had sent messages which were conveyed to the teachers. The program ended with a note of thanks to all teachers.

## Mass Plantation Programme at DPS, Dhenkanal

The students of Delhi Public School, Dhenkanal are always pushed forward to achieve new goals and set new examples for the betterment of our environment. Our Eco-Club students, Eco-Club In-charge Afrin Hakim, Prakriti Mitra awardee Mr. A.K Jena and other staff took their steps forward in conserving the environment by Mass Plantation on the occasion of Environmental week at DPS, Dhenkanal Campus. Our revered Principal Shri Vijay Kumar Sahu also joined the group and made the program successful.





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# News from DPS, Dhenkanal...



#### Newsletter

### Celebration Of Azadi Ka Amrit Mahotsav at DPS, Dhenkanal

Azadi Ka Amrit Mahotsav is an initiative of the Government of India to celebrate and commemorate 75 years of progressive India and the glorious history of its people, culture and achievements. Delhi Public School, Dhenkanal was enthralled by the visit of the special guest speaker Sri Satyanarayan Sahu, former joint secretary, Rajya Sabha secretariat and former Director, Prime Minister's office. On 13<sup>th</sup>August, 2022, the campus of Delhi Public School, Dhenkanal resonated the aura of Sri SatyanarayanSahu, He is undoubtedly a multifarious personality, a voracious reader, an extremely talented and a renowned orator.He had an interesting interactive session with the students of DPS, Dhenkanal. He shared his wonderful insights on the significant history of our national flag He also apprised the students with the true meaning of 'Swaraj'. It was an extremely enriching session.

#### Independence Day Celebration at DPS, Dhenkanal

Delhi Public School, Dhenkanal celebrated the 76<sup>th</sup> Independence Day on15<sup>th</sup>August 2022 with great patriotic fervor and zeal. The Principal Mr. Vijay Kumar Sahu accompanied by all the staff members, unfurled the tricolor followed by the National Anthem. This entailed a short celebration including the march past, slogan on teen bar Harsh Dhwani and a patriotic group song sung by the students. The Principal, Mr. Vijay Kumar Sahu delivered his speech on the occasion signifying the importance of the day. He appreciated the consistent endeavors of our armed forces in protecting our country bravely. He urged students to realize, understand and cherish our coveted freedom and work towards a progressive nation. Two students of DPS, Dhenkanal, Suryanshi Dhal of Grade X and S.S. Ananya of Grade VI delivered their speech on ' Independence Day' in English and Hindi respectively. The program ended on a positive note with the vote of thanks.





#### **Investiture Ceremony at DPS, Dhenkanal**

The Investiture Ceremony of DPS Dhenkanal for the academic session 2022-23 was held on 30th August 2022 with great pomp and dignity in

a special ceremony at the school auditorium. The event was presided over by The Superintendent of Police, Dhenkanal, MsLoganayagiDivya V, Director Dr. Lagnajit Dash and the Principal Mr. Vijay Kumar Sahu. The program was coordinated by the Mr. Bidhan Chandra Maharana with a high degree of earnestness and passion.It commenced with the lighting of the lamp followed by Veda chanting which signifies the removal of darkness. One of the eight classical dance forms of India "The Odishi" dance was performed with an attitude of devotion and surrender. It was also followed by a beautiful Sambalpuri folk dance. Our Esteemed Principal Sir Introduced about our Chief Guest and our Director Sir. Then List of appointees of the students' council was announced and badges and sashes were conferred by the honorable Chief Guest. Ms. Loganayagi Divya V. Oath of the appointees was taken by the Principal. The Students Council took the pledge to hold up the school motto "Service before self".The Chief Guest congratulated them and advised them



to be responsible, accountable and committed to their duties. She reminded them that with power and privilege also comes responsibility towards themselves, their school and peers. As an IPS, she not only encouraged the students to prepare for IPS and IAS but also explained the selection procedure of IPS. The School Director, Dr Lagnajit Das and The Principal Mr. Vijay Kumar Sahu also congratulated and encouraged the council and advised them on how to become responsible leaders of the school and accomplish their duties with dignity. The ceremony was concluded with a vote of thanks by the program coordinator and ended with National Anthem.

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# Snippets from Synergy...



#### Newsletter



Celebration of Engineers Day at Synergy, Bhubaneswar



Celebration of Engineers Day at Synergy, Dhenkanalat Synergy, Dhenkanal



Celebration of Independence Day at Synergy, Dhenkanal



Celebration of Indepence Day at Synergy, Bhubaneswar



Celebration of Teacher's Day at Synergy, Bhubaneswar



Celebration of Van Mahotsav at Synergy, Bhubaneswar



Celebration of Azadi Ka Amrit Mahotsav at Synergy, Dhenkanal



The Startup Odisha Yatra 2.0 at Synergy, Dhenkanal

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