Annual Report

July 2023 – June 2024

Silicon Institute of Technology, Sambalpur

Silicon West, Sason

768200

Message from the Chairman

Warm greetings from Silicon Institute of Technology, Sambalpur!

It gives me great pleasure to share with you some of the highlights from the past academic year.

I am proud to report that 73% of our faculty members have been awarded their PhDs, with the remaining members actively pursuing their doctoral research. This remarkable academic progress reflects our collective commitment to excellence and growth. Furthermore, the publication of faculty research articles in reputed SCI and SCOPUS-indexed journals stands as a testament to their scholarly achievements and underscores the institute's growing academic prominence.

Despite prevailing challenges in the job market, I am pleased to share that our placement outcomes this year have been satisfactory, with 61% of our students successfully placed. Although this marks a slight decline compared to the last three years, the robust participation of over 50 companies— including leading multinational corporations and promising startups—has resulted in a highest package of 8 LPA and an average package of 4.35 LPA.
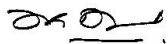
We are also immensely proud of our alumni, many of whom have secured admissions to prestigious institutions such as the IIMs, IITs, and reputed universities abroad. Notably, some of our former students have completed their PhDs from esteemed institutions like the IITs and NITs, further validating the quality of education and mentorship at Silicon West.

Another significant achievement has been our students' enthusiastic engagement with online learning platforms, as evidenced by the successful completion of over 50 NPTEL certifications. These accomplishments reflect their dedication to academic enrichment and lifelong learning.

As we look to the future, I extend my heartfelt appreciation to all our staff members for their unwavering commitment and contributions. Your dedication continues to be the cornerstone of our success, and I am confident that, together, we will reach even greater milestones.

Let us move forward into the new academic year with renewed enthusiasm, a spirit of collaboration, and a shared vision for excellence. With unity and determination, there is no limit to what we can achieve.

Warm regards,

Nitai Gaur Dhall

Chairman

Silicon Institute of Technology, Sambalpur

Vision

"To become a center of excellence in the fields of technical education & research and create responsible citizens"

Mission

"To provide the best of technical skills, professional ethics and human values in enriching the disciplines of Science, Engineering and Technology for social development and Nation building"

Governing Body

The Governing Body for Silicon Institute of Technology, Sambalpur consists of educationists, technocrats and representatives of the affiliating University and Government. The Governing Body meets at least twice every year to frame policies and to monitor its implementation. The followings are the members of the Governing Body.

1. Mr. Nitai Gaur Dhall (Chairman)
2. Mr. Sanjeev Nayak (Trustee)
3. Mr. Ramananda Mishra (Trustee)
4. Prof. Aditya Prasad Padhi (Educationist)
5. Prof. Omkar Nath Mohanty (Industrialist)
6. Prof. Pradeep Kumar Mishra (Educationist)
7. Dr. Aditya Acharya (Principal)
8. Prof. Mihir Hota (Dean Academics)
9. Prof. Saroj Kanta Mishra (Secretary)

Quality Policy

We are committed to offer the best academic services to our Learners through continuous innovative practices by developing a team of highly qualified and motivated **Lecturers**, providing state-of-the-art **Laboratories** and having excellent **Library** facilities and ensuring its utilization.

Silicon Best Practices

Silicon has initiated a series of best practices that have helped it emerge as a premier institute in Western Odisha. Some of these practices include:

- Democratic and decentralized governance
- Secular campus with no religious bias
- Online Feedback from students on the performance of members of faculty
- The system of Faculty Advisor for academic and personal care of students

- Orientation Programme for newly admitted students and Parents' Meet
- Special classes for academically weak students
- Chamber consultancy/assistance available to students
- Standard guidelines for members of faculty to prepare lesson plans and course handouts
- Weekly seminar for members of faculty
- Induction for newly admitted students where the students go through Expert Talks, Motivational Talks, Heritage Tours, Ice-Breaking Sessions, Bridge Courses etc.

Highlights
- The academic building is having Wi-Fi connectivity for carrying out academic and administrative processes.
- The Institute uses ERP system to manage its academic & administrative processes. Like log-in, logout, class Attendance, internal marks, study material, processing of leaves etc.
- The campus has its own playground for different games like basketball, throw ball, football, cricket, volleyball.
- There is separate facility for indoor games like carrom, chess, and table tennis.
- Gymnasium facility is available for students.
- Cafeteria facility on campus is also available for the students and staff members.
- The campus has separate hostels for Boys & Girls.
- Guest House facility is available for visitors.
- The institute also has residential facility for faculty and staff members.
- A host of centralized facilities like canteen, parking in campus, transport & ambulance services for all students & staff.

Approval & Affiliation
Silicon provides 5 UG programmes approved by the All India Council for Technical Education (AICTE), Ministry of HRD, Government of India, recognized by Government of Odisha and affiliated to the Biju Patnaik University of Technology (BPUT), Odisha.

Sl. No.	Name of Programme	Intake
1	Mechanical Engineering	30
2	Civil Engineering	30
3	Electrical Engineering	60
4	Electronics & Communication Engineering	30
5	Computer Science & Engineering	60

Admission Process

The admission process is done through the centralised counseling of Odisha Joint Entrance Examination (OJEE) in accordance with the norms/guidelines prescribed by the state government for this purpose. The institute provides detailed Information about the admission process through its prospectus and also through its website. The institute also adheres to the reservation policies of the state government and the regulations in this regard to ensure equity and access to different Sections of the society. As the institute attracts a large number of students from other states, the reservation policies as applicable in this case are also adhered to.

- The approval by AICTE, New Delhi was renewed for the academic year 2023-24. (Annexure-I)

- The affiliation by BPUT, Odisha was renewed for the academic year 2023-24. (Annexure - II)

- The Academic Audit Report was submitted to BPUT, Rourkela on 7th March 2024. Dr. Banerjee Behera, Professor of Physics, Sambalpur University and Dr. Ganeswar Nath, Professor of Physics, VSSUT, Burla carried out the audit on 6th March 2024.

- The AISHE compliances were submitted online on 4th April 2024 and the certificate of submission was obtained immediately.

- The first IQAC meeting for the academic year 2023-2024 was conducted on 4th November 2023.The external member of the committee for the meeting was Dr. Arunanshu Mohapatra,Professor of ECE, VSSUT, Burla. The Minutes have been circulated to the GB Members.

- The second IQAC meeting for the academic year 2023-2024 was conducted on 4th April 2024.The external member of the committee for the meeting was Dr. Arunanshu Mohapatra,Professor of ECE, VSSUT, Burla. The Minutes have been circulated to the GB Members.

ADMISSION 2023-2024

Admission 2023 Regular (Rank details)						
Name of the Programme	Intake		JEE M (AIR) Students		OJEE Rank Students	
	Sanctioned	Admitted	Minimum	Maximum	Minimum	Maximum
Mechanical Engineering	39	02	476343	1058847	NA	NA
Electronics & Communication Engineering	39	07	430458	932263	1202934	1208604
Electrical Engineering	78	01	NA	NA	1208298	1208298
Computer Science & Engineering	78	69	228808	1104219	1201147	1207823
Civil Engineering	39	02	845250	845250	1204554	1204554
Total	273	81				

Admission 2023 Lateral (Rank details)			
Name of the Programme	Intake	OJEE Rank of Admitted Students*	
	Admitted	Minimum	Maximum
Mechanical Engineering	01	4930	4930
Electronics & Communication Engineering	0	NA	NA
Electrical Engineering	02	1049	18860
Computer Science & Engineering	05	205	19112
Civil Engineering	01	9822	9822
Total	09		

Admission 2023-24 Gender Ratio

Branch	Female	Male	Total
Mechanical Engineering	0	03	03
Electronics & Communication Engineering	01	06	07
Electrical Engineering	0	03	03
Computer Science & Engineering	17	57	74
Civil Engineering	01	02	03
			90

RESULT ANALYSIS

Academic Year 2023-24

Overall Result - Batch 2020-2024

Branch/CGPA	Above 8.0	CGPA : 6.00 - 8.00	Total Student in Numbers
CE	2	2	4
CS	25	8	33
ME	3	3	6

Percentage			
CE	50%	50%	
CS	76%	24%	
ME	50%	50%	

Pass Rate			
Branch	Cleared	Back	Total
CE	3	1	4
CS	28	5	33
ME	4	2	6
Percentage			
CE	75%	25%	
CS	85%	15%	
ME	67%	33%	

Semester wise SGPA (Batch 2020-24)

SGPA	1st SGPA	2nd SGPA	3rd SGPA	4th SGPA	5th SGPA	6th SGPA	7th SGPA	8th SGPA
Above 8.0	29	31	18	13	26	29	23	42
CGPA: 6.0-8.0	4	2	25	29	17	13	20	0
CGPA 4.5-6.0	0	0	0	1	0	1	0	0
Below 4.5	0	0	0	0	0	0	0	1
Total	33	33	43	43	43	43	43	43

<div align="center">**Even Semester**</div>

8th Semester (Batch 2020-2024):

Branch	Appeared	Passed	Failed	% Success
Civil Engineering	4	4	0	100%
Computer Science & Engineering	33	33	0	100%
Mechanical Engineering	6	5	1	83%
Total	43	42	1	98%

Branch	All Pass	1 Back	2 or More Backs	Total
Civil Engineering	4	0	0	4
Computer Science & Engineering	33	0	0	33
Mechanical Engineering	5	1	0	6
Total	42	1	0	43

Branch	>8.0	>=6.0-<=8.0	>=4.5-<6.0	Below 4.5	Total
Civil Engineering	3	0	0	0	2
Computer Science & Engineering	32	0	0	0	21
Mechanical Engineering	4	0	0	1	5
Total	39	0	0	1	28

6th Semester (Batch 2021-25)

Branch	Appeared	Cleared	having Back	% Success
Civil Engineering	6	5	1	83%
Computer Science & Engineering	41	31	10	76%
Electrical Engineering	1	0	1	0%
Mechanical Engineering	5	2	3	40%
Total	53	38	15	72%

Branch	All Pass	1 Back	2 or More Backs	Total
Civil Engineering	5	1	0	6
Computer Science & Engineering	31	6	4	41
Electrical Engineering	0	1	0	1
Mechanical Engineering	2	1	2	5
Total	38	9	6	53

Branch	>8.5	>=8.0-<8.5	>=6.0-<8.0	>=4.5-<6.0	Below 4.5	Total
Civil Engineering	3	0	3	0	0	6
Computer Science & Engineering	6	8	24	2	1	41
Electrical Engineering	0	0	1	0	0	1
Mechanical Engineering	0	0	4	1	0	5
Total	9	8	32	3	1	53

4th Semester (batch 2022-26)

Branch	Appeared	Cleared	having Back	% Success
Computer Science & Engineering	57	38	19	67%
Electrical Engineering	4	2	2	50%
Mechanical Engineering	1	1	0	100%
Total	62	41	21	66%

Branch	All Pass	1 Back	2 or More Backs	Total
Computer Science & Engineering	38	14	5	57
Electrical Engineering	2	2	0	4
Mechanical Engineering	1	0	0	1
Total	41	16	5	62

Branch	>8.5	>=8.0-<8.5	>=6.0-<8.0	>=4.5-<6.0	Below 4.5	Total
Computer Science & Engineering	8	14	32	6	0	60
Electrical Engineering	1	0	3	0	0	4
Mechanical Engineering	0	0	1	0	0	1
Total	9	14	36	6	0	65

2nd Semester (Batch 2023-27)

Branch	Appeared	Cleared	having Back	% Success
Civil Engineering	2	1	1	50%
Computer Science & Engineering	69	40	29	58%
Electrical Engineering	1	1	0	100%
Electronics & Communication Engineering	7	2	5	29%
Mechanical Engineering	2	2	0	100%
Total	81	46	35	57%

Branch	All Pass	1 Back	2 or More Backs	Total
Civil Engineering	1	1	0	2
Computer Science & Engineering	40	14	15	69
Electronics & Communication Engineering	2	5	0	7
Electrical Engineering	1	0	0	1
Mechanical Engineering	2	0	0	2
Total	46	20	15	81

Branch	>8.5	>=8.0-<8.5	>=6.0-<8.0	>=4.5-<6.0	Below 4.5	Total
Civil Engineering	0	1	1	0	0	2
Computer Science & Engineering	7	12	42	5	3	69
Electronics & Communication Engineering	0	1	6	0	0	7
Electrical Engineering	0	1	0	0	0	1
Mechanical Engineering	0	1	1	0	0	2
Total	7	16	50	5	3	81

Odd Semester

7th Semester (Batch 2020-2024):

Branch	Appeared	Cleared	Having Back	% Success
Civil Engineering	4	4	0	100%
Computer Science & Engineering	33	31	2	94%
Mechanical Engineering	6	5	1	83%
Total	43	40	3	93%

Branch	All Pass	1 Back	2 or More Backs	Total
Civil Engineering	0	4	0	4
Computer Science & Engineering	2	31	0	33
Mechanical Engineering	1	5	0	6
Total	3	40	0	43

Branch	>=8.0-<8.5	>=6.0-<8.0	>=4.5-<6.0	Below 4.5	Total
Civil Engineering	1	2	0	0	4
Computer Science & Engineering	8	16	0	0	33
Mechanical Engineering	3	2	0	0	6
Total	12	20	0	0	43

5th Semester (Batch 2021-2025):

Branch	Appeared	Cleared	having Back	% Success
Civil Engineering	6	5	1	83%
Computer Science & Engineering	42	25	17	60%
Electrical Engineering	1	1	0	100%
Mechanical Engineering	5	2	3	40%
Total	54	33	21	61%

Branch	All Pass	1 Back	2 or More Backs	Total
Civil Engineering	5	0	1	6
Computer Science & Engineering	25	8	9	42
Electrical Engineering	1	0	0	1
Mechanical Engineering	2	2	1	5
Total	33	10	11	54

Branch	>8.5	>=8.0-<8.5	>=6.0-<8.0	>=4.5-<6.0	Below 4.5	Total
Civil Engineering	3	0	2	1	0	6
Computer Science & Engineering	7	12	15	7	1	42
Electrical Engineering	0	0	1	0	0	1
Mechanical Engineering	0	1	3	1	0	5
Total	10	13	21	9	1	54

3rd Semester (Batch 2022-2026):

Branch	Appeared	Cleared	having Back	% Success
Computer Science & Engineering	57	40	17	70%
Electrical Engineering	4	3	1	75%
Mechanical Engineering	1	0	1	0%
Total	62	43	19	69%

Branch	All Pass	1 Back	2 or More Backs	Total
Computer Science & Engineering	40	9	8	57
Electrical Engineering	3	1	0	4
Mechanical Engineering	0	0	1	1
Total	43	10	9	62

Branch	>8.5	>=8.0-<8.5	>=6.0-<8.0	>=4.5-<6.0	Below 4.5	Total
Computer Science & Engineering	6	11	34	6	0	57
Electrical Engineering	0	0	3	1	0	4
Mechanical Engineering	0	0	0	1	0	1
Total	6	11	37	8	0	62

1st Semester (Batch 2023-2027):

Branch	Br.	Appeared	Cleared	having Back	% Success
Civil Engineering	CE	2	1	1	50%
Computer Science & Engineering	CS	69	37	32	54%
Electrical Engineering	EE	1	1	0	100%
Electronics & Communication Engineering	ECE	7	3	4	43%
Mechanical Engineering	ME	2	2	0	100%
Total		81	44	37	54%

Branch	All Pass	1 Back	2 or More Backs	Total
Civil Engineering	1	0	1	2
Computer Science & Engineering	37	19	13	69
Electronics & Communication Engineering	3	3	1	7
Electrical Engineering	1	0	0	1
Mechanical Engineering	2	0	0	2
Total	44	22	15	81

Branch	>8.5	>=8.0-<8.5	>=6.0-<8.0	>=4.5-<6.0	Below 4.5	Total
Civil Engineering	0	0	2	0	0	2
Computer Science & Engineering	4	14	45	5	1	69
Electronics & Communication Engineering	0	0	6	1	0	7
Electrical Engineering	0	0	1	0	0	1
Mechanical Engineering	0	0	2	0	0	2
Total	4	14	56	6	1	81

PLACEMENT DETAILS

PLACEMENT AT A GLANCE (2023 GRADUATES)									
Branch	Total Students	Eligible Students	No. of Job Offers	Offers against Total Students (%)	Offers against Eligible Students (%)	Repeaters	Placed	Placed against Eligible Students (%)	Placed against Total Students (%)
CE	11	6	4	36.36	66.67	0	4	66.67	36.36
CSE	35	30	47	134.29	156.67	12	29	96.67	82.86
ECE	4	4	9	225.00	225.00	3	4	100.00	100.00
EE	6	3	3	50.00	100.00	0	3	100.00	50.00
ME	3	2	4	133.33	200.00	1	2	100.00	66.67
Total	59	45	67	113.56	148.89	16	42	93.33	71.19

Company wise offers for 2023 graduates

Company	Offers	LPA
Infosys (InfyTQ SE)	2	3.5
SAP Labs	2	6.5
Incture	3	6.25
Surya Software	1	7
Prodapt	1	8
Asiczen	2	4.34
Digit Insurance	2	4.5
Accenture	7	4.5
Capgemini	8	4.25
Hexaware	1	6
Nirmalya Labs	1	3.25
Rumango Technology	1	4
LTTS	9	4
Synergy Labs	1	9.21
Synergy Labs	1	8
TCS (Ninja)	1	3.36
STL	2	3.23
Spotline	1	7
In2itEBS	1	3.5
Kirloskar	1	2.4
Cozentus	2	6
Synopsis	2	8.38
Qspider	7	
Aditya Aluminum	1	3.2
S D Construction Equipment	1	2.4
Byju's	1	4
TATA Power	2	6
Wind World India Ltd.	1	3
Silicon Healthcare Project	2	2.4
Total	**67**	

Highest Package – 9.21 LPA
Students with Highest Package – 1
Company – Synergy Labs

PLACEMENT AT A GLANCE (2024 GRADUATES)

Branch	Total Students	Eligible Students	No. of Job Offers	Offers against Total Students (%)	Offers against Eligible Students (%)	Repeaters	Placed	Placed against Eligible Students (%)	Placed against Total Students (%)
CE	4	4	3	75.00	75.00	0	3	75.00	75.00
CSE	33	33	22	66.67	66.67	2	19	57.58	57.58
ME	6	4	4	66.67	100.00	1	3	75.00	50.00
Total	**43**	**41**	**29**	**67.44**	**70.73**	**3**	**25**	**60.98**	**58.14**

Company wise offers for 2024 graduates			Mode of Selection - On/Off Campus
Company	**Offers**	**LPA**	
ApMoSys (Development/Frontend)	3	6	On
ApMoSys (Production Support)	1	3	On
S2S Projects	2	1.2	On
TechMahindra (Support)	2	2.4	On
Kreativan	2	4	On
Rinex Technologies	4	4	On
TCS (Digital)	1	7	Through Institute Notification
G10X	1	4	Through Qspiders
HighRadius	1	8	On
EY	1	4.5	Through Qspiders
Rotex Automation Ltd.	1	3	Off
Swift SBF	1	5	Off
Cognizant	2	4.5	Off
Zopper	1	11.7	Off
MCL (Non-Engineering)	1	2.4	Off
HAL (Contractual)	1	3	Off
Etaya Innovations	1	4	Off
Zemoso Technologies	1	4.5	Off
Concentrix	1	4	Off
KocharTech	1	4	Off
Total	**29**		

Internship Opportunities in Core Industries for batch 2021-25

Sl. No.	Industry	No. of Students	Branch
1	Hindalco, Hirakud	4	Mechanical
2	Hindalco, Hirakud	1	Electrical

3	CASA, Sambalpur	3	Civil
4	Ordnance Factory, Balangir	1	Civil
5	Dalmia Cement, Rajgangpur	1	Mechanical

LIBRARY RESOURCES

Books, journals and periodicals are procured on a regular basis in order to support academic and research activities among students and faculty members. Silicon has made addition to its existing Library Resources during this academic year. In addition to this, the Library subscribes to 9 hardcopies of national & international journals, 9 technical magazines and 11 general magazines. The details are as follows.

Sl. No	Types of Books/Journals	Titles Added	Total Title	Volumes Added	Total Volume
1	Library	15	3784	77	16538
2	Book Bank	0	198	0	5410
3	National & International Journals	9			
4	Technical Magazines	9			
5	General Magazines	11			
6	E-Journal	Access to Nature, IEEE, ScienceDirect, ProQuest and Springer through Knimbus Access to 'Turnitin' similarity index checker			

AWARD OF PH.D.

1. **Dr. Manoj Kumar Mohapatra**, Sr. Assistant Professor, Department of Mechanical Engineering successfully defended his thesis on "Performance optimization of Wire Electro-Discharge Machining of Nano-composites and was awarded the degree of Ph.D. by Sambalpur University on 3rd February,2024.

SUBMISSION OF PH.D. THESIS

1. Mr. Nabin Kumar Naik Sr. Assistant Professor, ECE submitted his Ph.D.Thesis entitled"Crop Grain Identification, Classification And Quality Inspection Using Image Processing Techniques" to the Department of Electronics, Sambalpur University, Jyoti Vihar, Burlaon 04th May 2024

AWARD OF PH.D. TO RESEARCH SCHOLAR

1. Dr. Sonali Prava Dash, Assistant Professor, Department of ECE, College of Engineering, Bharti Vidyapeeth, Pune and doctoral scholar of **Prof. Mihir Hota** successfully defended her Ph.D. thesis titled "Implementation of Optical Logic Gates/Sensing Elements Using Fiber Bragg Gratings and Photonic Crystals" at CIME, Bhubaneswar on 17-11-2023 and was awarded the degree at the Convocation held on 2nd Feb 2024 at BPUT, Odisha.

INCLUSION OF FACULTY MEMBERS AS UNIVERSITY DSC MEMBERS

1. **Dr. Mihir Hota** and **Dr. Ashutosh Rath** have been appointed as members of the Doctoral Scrutiny Committee of BPUT, Rourkela.

AWARD TO FACULTY MEMBER

1. **Dr. Ashutosh Rath**, Sr. Assistant Professor, Civil Engineering was recognized with the prestigious *Banabihari Mohanty Memorial Award* for the paper titled "Conjunctive use of Surface and Groundwater in a part of Hirakud command area for better Irrigation management" in the 63rd Technical Annual, Technical Session of the Odisha State Centre, The Institution of Engineers (India), 23-03- 2024

PUBLICATIONS BY FACULTY MEMBERS

Total Number of Publications	Journals Indexed by SCI/ESCI	Journals Indexed by Scopus only	Other Journal	Book Chapters	Conference Proceedings	Conference Presentations	Book Review
21	9	3	1	5	2	31	1

1. **Dakua, B. K.**, & Pati, B. B. (2024). A frequency domain-based loop shaping procedure for the parameter estimation of the fractional-order tilt integral derivative controller. Mathematical Modelling and Control, 4(4), 374–389. [Scopus]. https://doi.org/10.3934/mmc.2024030
2. **Dakua, B. K.**, & Pati, B. B. (2024). PIλDμ Controllers for Suppression of Limit Cycle in a Plant with Time Delay and Backlash Nonlinearity. International Journal of Automotive Science And Technology, 8(4), 506-526. [Scopus]. https://doi.org/10.30939/ijastech..1471847

3. **Sahoo, S.**, Sahoo, S. P., & Kabat, M. R. (2024). A pragmatic review of qos optimisations in iot driven networks. Wireless Personal Communications, 137(1), 325-366. [SCI]. https://doi.org/10.1007/s11277-024-11412-9

4. **Dakua, B. K.**, & Pati, B. B. (2024). A deterministic design approach of tilt integral derivative controller for integer and fractional-order system with time delay. *Engineering Research Express, 6*(3), 035331. [SCI]**DOI** 10.1088/2631-8695/ad6ca5

5. **Naik, N. K.**, Subbarao, M. V., Sethy, P. K., Behera, S. K., & Panigrahi, G. R. (2024). Machine learning with analysis-of-variance-based method for identifying rice varieties. *Journal of Agriculture and Food Research, 17*, 101397. [SCI]https://doi.org/10.1016/j.jafr.2024.101397

6. **Naik, N. K.**, Sethy, P. K., Geetha Devi, A., & Behera, S. K. (2024). Few-shot learning convolutional neural network for primitive Indian paddy grain identification using 2D-DWT injection and grey wolf optimizer algorithm. *Journal of Agriculture and Food Research, 15*, 100929. [SCI]https://doi.org/10.1016/j.jafr.2023.100929

7. **Naik, N. K.**, Sethy, P. K., Behera, S. K., & Amat, R. (2024). A methodical analysis of deep learning techniques for detecting Indian lentils. *Journal of Agriculture and Food Research, 15*, 100943. [SCI]https://doi.org/10.1016/j.jafr.2023.100943

8. **Mishra, S**., Nayak, P. C., Prusty, R. C., & Panda, S. (2024). Design and analysis of time-varying derivative fractional order proportional–integral–derivative controller for frequency regulation of shipboard microgrid system. *Electrica, 24*(2), 392–405. [SCI] https://doi.org/10.5152/electrica.2024.23055

9. **Naik, N.K**, Sethy, P.K., Devi, A.G., Behera, S.K. (2023). Hybrid enhanced featured AlexNet for milled rice grain identification. Ingénierie des Systèmes d'Information, Vol. 28, No. 3, pp. 663-668. [Scopus]. https://doi.org/10.18280/isi.280315

10. Chanda, S. S., Patel, S. K., Nayak, A. N., & Mohanty, C. R. (2023). Performance evaluation on bond, durability, micro-structure, cost effectiveness and environmental impacts of fly ash cenosphere based structural lightweight concrete. *Construction and Building Materials, 397*, 132429. [SCI]https://doi.org/10.1016/j.conbuildmat.2023.132429

11. Pani, R., Rath, A., & Swain, P. K. (2023). Water quality assessment for river Mahanadi of Odisha, India using statistical techniques and artificial neural networks. *Journal of Cleaner Production, 417*, 137713. [SCI] https://doi.org/10.1016/j.jclepro.2023.137713

12. Sahoo, B., Alhaider, M. M., & Rout, P. K. (2023). Power quality and stability improvement of microgrid through shunt active filter control application: An overview. *Renewable Energy Focus, 47*, 100–112. [SCI]. https://doi.org/10.1016/j.ref.2022.12.006

13. Thakur, T. (2023). Chinua Achebe's alternative narrative paradigm: "Re-storying" Africa through *Arrow of God*. *Meher Journal of English Studies, 5(1),* 65-74

Book Chapters

1. **Naik, N. K.**, Sethy, P. K., & Behera, S. K. (2024). Identification, Classification, and Grading of Crops Grain Using Computer Intelligence Techniques: A Review. In S. Satapathy & K. Muduli (Eds.), *Advanced Computational Methods for Agri-Business Sustainability* (pp. 225-242). IGI Global Scientific Publishing. https://doi.org/10.4018/979-8-3693-3583-3.ch013

2. Bag, S. (2024). Socio-economic and cultural status of distress labour migrants of Western Odisha: A normative analysis. In Emerging trends in insurance and management practices. Kunal Books.

3. Naik, N. K., et al. (2023). Support vector machine classifier for wheat grain identification based on grid search optimization technique. In M. Tuba et al. (Eds.), ICT systems and sustainability (pp. 237-245). Springer Nature Singapore Pte Ltd.

4. Rath, A., Mishra, A., Nikhindia, S.K., Panda, S. (2023). Effect of Climate Change on the Agricultural System of Hirakud Command Area. In: Eslamian, S., Eslamian, F. (eds) Disaster Risk Reduction for Resilience. Springer, Cham. https://doi.org/10.1007/978-3-031-43177-7_4

5. Thakur, T. (2024). Universalising Reading through Ngugi's Globalectical Imagination. In SETU – the Golden Jubilee Souvenir of Society for Education, Tradition and Unity, Sambalpur.

Conference Proceedings

1. Naik, N. K., et al. (2024). Durum wheat classification using feature selection, Bayesian optimization, and support vector. Paper presented at the Fourth International Conference on Advances in Electrical, Computing, Communication and Sustainable Technologies (ICAECT 2024), IEEE. DOI: 10.1109/ICAECT60202.2024.10468887.

2. Sahoo, S. (2024). A fault-tolerant technique for future social IoV using evolutionary computation based whale optimization model. Paper presented at the IEEE International Conference (OCIT-2023 #59427), NIT Raipur, India. Published in IEEE Explorer. DOI: 10.1109/OCIT59427.2023.10430574.

Conference Presentations

1. Pande, S. K. (2024, March 23-24). Design of wireless sensor network-based IoT platform for precision agricultural applications. Paper presented at the International Conference on Cutting Edge Technology in Computing, Communication, and Intelligence (ICCTCCI-2024), Institute of Management and Information Technology, Cuttack, India.

2. Mahapatra, M. K. (2024, March 15-16). Synthesis and characterization of Al2O3 and SiC nanoparticle-reinforced IE-07 aluminium nanocomposites using ultrasonic cavitation casting technique. Paper presented at the National Seminar on "Recent Development in Frontiers of Physics" (RDFP-2024), Department of Physics, Sambalpur University, Sambalpur, India.

3. Sahu, D. (2024, January 4-6). Nano silver decorated graphene oxide nanocomposites for sensing of mercury ions. Paper presented at the National Conference on Molecules to Materials, Orissa Chemical Society, Ravenshaw University, Cuttack, India.

4. Bag, S. (2024, January 30-31). Educational attainment and behavioural characteristic rules: An impact analysis. Paper presented at the International Conference on New Frontiers in Economic and Financial Research, School of Economics and School of Management Studies, Gangadhar Meher University, Sambalpur, India.

5. Bag, S. (2024, February 10-11). Impact of educational performance on happiness. Paper presented at the 56th Annual Conference of Orissa Economic Association, Department of Economics, Sambalpur University, Sambalpur, India.
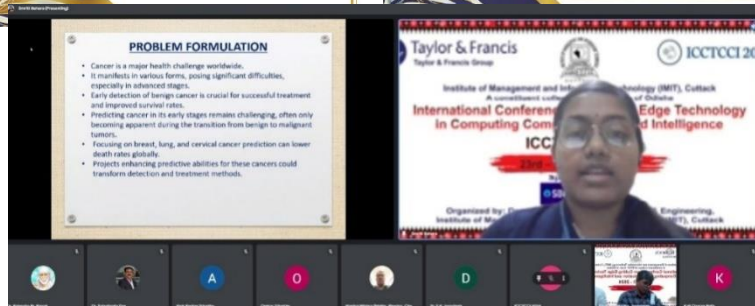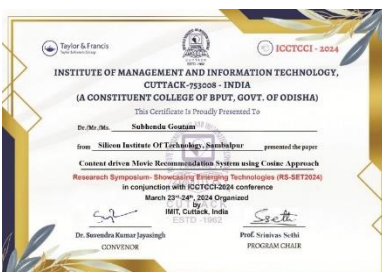
6. Mishra, P., Mishra, S., & Dakua, B. K. (2024, March 3). *A comparison between PIDD2 and PIDDα controller for the performance enhancement of AVR system*. Paper presented at the International Conference on Sustainable Power and Energy Research (ICSPER-2024), NIT Warangal, India.

7. Purohit, M. K., Dash, G., Sahoo, S., Pande, S. K., & Saluja, A. S. (2024, March 1-2). *An intelligent wheel-chair model using CNN-MPNN-based text classification*. Paper presented at the IEEE International Conference of Cognitive, Green and Ubiquitous Computing (IC-CGU)-2024, C.V. Raman Global University, Bhubaneswar, India.

8. Das, P., Parmar, P., Sahoo, S., Saluja, A. S., & Pande, S. K. (2024, March 1-2). *An intelligent regression approach for weather forecasting system using machine learning*. Paper presented at the IEEE International Conference of Cognitive, Green and Ubiquitous Computing (IC-CGU)-2024, C.V. Raman Global University, Bhubaneswar, India.

9. Agrawal, N., Mahana, A., Sahu, A. K., Sahoo, S., Pande, S. K., & Saluja, A. S. (2024, March 1-2). *Biometric facial-driven digital attendance system using machine learning approach based Haar cascade technique*. Paper presented at the IEEE International Conference of Cognitive, Green and Ubiquitous Computing (IC-CGU)-2024, C.V. Raman Global University, Bhubaneswar, India.

10. Sahani, S., Barik, S., & Sahoo, S. (2024, March 23-24). *IoT-enabled green house environment automation*. Paper presented at the Taylor & Francis International Conference on Cutting Edge Technology in Computing, Communication, and Intelligence (ICCTCCI)-2024, Institute of Management and Information Technology, Cuttack, India.

11. Anthony, A., Satpathy, K., & Sahoo, S. (2024, March 23-24). *Restaurant recommendation system utilizing user preferences with content-based filtering*. Paper presented at the Taylor & Francis International Conference on Cutting Edge Technology in Computing, Communication, and Intelligence (ICCTCCI)-2024, Institute of Management and Information Technology, Cuttack, India.

12. Behera, S. S., Biswal, R., Lakra, N., & Sahoo, S. (2024, March 23-24). *Cancer prediction using data mining techniques*. Paper presented at the Taylor & Francis International Conference on Cutting Edge Technology in Computing, Communication, and Intelligence (ICCTCCI)-2024, Institute of Management and Information Technology, Cuttack, India.

13. Bhakat, A., Raj, P., & Sahoo, S. (2024, March 23-24). *Car speed detection using YOLOv4 and deep sorting*. Paper presented at the Taylor & Francis International Conference on Cutting Edge Technology in Computing, Communication, and Intelligence (ICCTCCI)-2024, Institute of Management and Information Technology, Cuttack, India.

14. Goutam, S., Aich, A., & Sahoo, S. (2024, March 23-24). *Content-driven movie recommendation system using cosine approach*. Paper presented at the Taylor & Francis International Conference on Cutting Edge Technology in Computing, Communication, and Intelligence (ICCTCCI)-2024, Institute of Management and Information Technology, Cuttack, India.

15. Kumar, S., Kumar, A., & Sahoo, S. (2024, March 23-24). *Stock trend prediction system for traders*. Paper presented at the Taylor & Francis International Conference on Cutting Edge Technology in Computing, Communication, and Intelligence (ICCTCCI)-2024, Institute of Management and Information Technology, Cuttack, India.

16. Mishra, P., Mishra, S., & Dakua, B. K. (2024, March 3). *A comparison between PIDD2 and PIDDα controller for the performance enhancement of AVR system*. Paper presented at the International Conference on Sustainable Power and Energy Research (ICSPER-2024), NIT Warangal, India.

17. Purohit, M. K., Dash, G., Sahoo, S., Pande, S. K., & Saluja, A. S. (2024, March 1-2). *An intelligent wheel-chair model using CNN-MPNN-based text classification*. Paper presented at the IEEE International Conference of Cognitive, Green and Ubiquitous Computing (IC-CGU)-2024, C.V. Raman Global University, Bhubaneswar, India.

18. Das, P., Parmar, P., Sahoo, S., Saluja, A. S., & Pande, S. K. (2024, March 1-2). *An intelligent regression approach for weather forecasting system using machine learning*. Paper presented at the IEEE International Conference of Cognitive, Green and Ubiquitous Computing (IC-CGU)-2024, C.V. Raman Global University, Bhubaneswar, India.

19. Agrawal, N., Mahana, A., Sahu, A. K., Sahoo, S., Pande, S. K., & Saluja, A. S. (2024, March 1-2). *Biometric facial-driven digital attendance system using machine learning approach based Haar cascade technique*. Paper presented at the IEEE International Conference of Cognitive, Green and Ubiquitous Computing (IC-CGU)-2024, C.V. Raman Global University, Bhubaneswar, India.

20. Sahani, S., Barik, S., & Sahoo, S. (2024, March 23-24). *IoT-enabled green house environment automation*. Paper presented at the Taylor & Francis International Conference on Cutting Edge Technology in Computing, Communication, and Intelligence (ICCTCCI)-2024, Institute of Management and Information Technology, Cuttack, India.

21. Anthony, A., Satpathy, K., & Sahoo, S. (2024, March 23-24). *Restaurant recommendation system utilizing user preferences with content-based filtering*. Paper presented at the Taylor & Francis International Conference on Cutting Edge Technology in Computing, Communication, and Intelligence (ICCTCCI)-2024, Institute of Management and Information Technology, Cuttack, India.

22. Behera, S. S., Biswal, R., Lakra, N., & Sahoo, S. (2024, March 23-24). *Cancer prediction using data mining techniques*. Paper presented at the Taylor & Francis International Conference on Cutting Edge Technology in Computing, Communication, and Intelligence (ICCTCCI)-2024, Institute of Management and Information Technology, Cuttack, India.

23. Bhakat, A., Raj, P., & Sahoo, S. (2024, March 23-24). *Car speed detection using YOLOv4 and deep sorting*. Paper presented at the Taylor & Francis International Conference on Cutting Edge Technology in Computing, Communication, and Intelligence (ICCTCCI)-2024, Institute of Management and Information Technology, Cuttack, India.

24. Goutam, S., Aich, A., & Sahoo, S. (2024, March 23-24). *Content-driven movie recommendation system using cosine approach*. Paper presented at the Taylor & Francis International Conference on Cutting Edge Technology in Computing, Communication, and Intelligence (ICCTCCI)-2024, Institute of Management and Information Technology, Cuttack, India.

25. Kumar, S., Kumar, A., & Sahoo, S. (2024, March 23-24). *Stock trend prediction system for traders*. Paper presented at the Taylor & Francis International Conference on Cutting Edge Technology in Computing, Communication, and Intelligence (ICCTCCI)-2024, Institute of Management and Information Technology, Cuttack, India.

26. Naik, N. K. (2023, August 3-4). Support vector machine classifier for wheat grain identification based on grid search optimization technique. Paper presented at the 8th Edition of ICT4SD International ICT Summit & Awards 2022, in concurrence with Indian Esports & Gaming Summit 2023, Goa, India.

27. Sahoo, S., et al. (2023). *A wheel-chair model for disabilities utilizing a hybrid approach of text classification*. Paper presented at IEEE INDICON-2023, India.

28. Mahapatra, M. K., et al. (2023, December 20-24). Study of impurity effect on strongly correlated heavy fermions system and to explore the interaction phonon with f and d electrons on resistivity a small q and finite T analysis. Paper presented at the 67th DAE Solid State Physics Symposium (DAE SSPS 2023), Gandhi Institute of Technology and Management (GITAM), Visakhapatnam, India.

29. Sahoo, S. (2023, December 13-15). A fault-tolerant technique for future social IoV using evolutionary computation based whale optimization model. Paper presented at the IEEE International Conference (OCIT-2023 #59427), NIT Raipur, India.

30. Pradhan, S. (2023, November 2-3). Oral presentation. Paper presented at the National Conference on 'Recent Advancement in Materials and Manufacturing-2023' (RAMM-2023), CIPET:IPT, Bhubaneswar, India.

31. Padhy, C., et al. (2023, November 14-16). Study on sleep quality: Thought versus reality in elderly population. Paper presented at the Odisha Research Conclave, Sambalpur University, Sambalpur, India.

Certificates to students for conference presentations

Book Review

1. **Thakur, T.**(2024). Pleasures And Perils Of A Little Thinker.Review of *The Life and Times of Banka Harichandan* by D.R. Pattanaiak and Translated by H. S. Mohapatra (published by Simon & Schuster). In Odishabytes.

Translations for Magazine

1. **Thakur, T. (2023)** Scripture of the Farmland.Translated from*Khetapurana*(Odia)by AkhilaNaik. In Bombay Literary Magazine. 15th August 2023.

Papers Reviewed

1. **Reviews by Dr. Biresh Kumar Dakua**
   - "Centralized model matching integer/fractional order controller design for multivariable processes with real-time validation" for Transactions of the Institute of Measurement and Control.
   - Enhancing Grid Reliability using Demand Response Program" in the 5th Electric Power and Renewable Energy Conference (EPREC-2024) organized by NIT Jamshedpur.
   - "Integer and fractional order model matching controller design algorithm with generalized reference model formulation for nonlinear time delay servo and regulatory problems: A real-time validation" in the Transactions of the Institute of Measurement and Control.
   - "Intelligent-based Control and Measurement Techniques for Frequency Stability of Renewable Energy Integrated Systems: A Review".

2. **Reviewsby Dr.Ashutosh Rath**
   - A paper for Environmental Science and Pollution Research published in International Springer Nature.
   - A paper for Engineering Research Express, IOP Science

3. **Reviews by Dr. Sohan Kumar Pande** reviewed research papers for the following journals and conferences.
   - International Journal of Innovation and Technology Management (Scopus Indexed).
   - International Conference on Sustainable Power and Energy Research (ICSPER-2024), NIT Warangal.

- International Conference On Cognitive, Green And Ubiquitous Computing (IC-CGU), C. V. Raman Global University.
- International conference on Cutting Edge Technology in Computing, Communication and Intelligence (ICCTCCI-2024), IMIT, Cuttack.
- Web Intelligence.Cybernetics and Systems, Taylor & Francis.
- Cluster Computing, Springer (SCIE).

4. **Reviews by Satyabrat Sahoo**reviewed the following research papers.
   - Paper titled "Heart Disease Prediction: Optimizing Machine Learning Models through hyperparameter tuning for enhanced accuracy" (Paper Id: 560) for the conference 'OPJU International Technology Conference (OTCON 3.0) on Smart Computing for Innovation and Advancement in Industry 4.0'.
   - Paper titled "Implementing Multi-factor Authentication in Cloud Services for Enhanced Security" (Paper Id: 874) for the conference 'OPJU International Technology Conference (OTCON 3.0) on Smart Computing for Innovation and Advancement in Industry 4.0'.
   - Paper titled "TSO-DBN: Enhanced categorization of Type 2 Diabetes using Tabu Search Optimization in Deep Belief Networks" (Paper Id: 404) for the conference 'INTERNATIONAL CONFERENCE ON COGNITIVE, GREEN AND UBIQUITOUS COMPUTING (IC-CGU)-2024'.
   - Paper titled "Comprehensive Evaluation of Network Performance Monitoring Solutions" (Paper Id: 405) for the conference 'INTERNATIONAL CONFERENCE ON COGNITIVE, GREEN AND UBIQUITOUS COMPUTING (IC-CGU)-2024'.
   - Paper titled "An Analysis of Carbon emission using the IoT mechanism in the Cold Storage System of the commercial units in the market" (Paper Id: 416) for the conference 'INTERNATIONAL CONFERENCE ON COGNITIVE, GREEN AND UBIQUITOUS COMPUTING (IC-CGU)-2024'.
   - Paper titled "Unlocking the Potential Opportunities of Novel Routing Protocols over Wireless Sensor Network: A Comprehensive Evaluation" (Paper Id: 418) for the conference 'INTERNATIONAL CONFERENCE ON COGNITIVE, GREEN AND UBIQUITOUS COMPUTING (IC-CGU)-2024'.
   - Paper titled "Exploring the Experimental Possibilities of AI based Real-Time Virtual Reality Assisted Touchless Home Appliance Control" (Paper Id: 420) for the

conference 'INTERNATIONAL CONFERENCE ON COGNITIVE, GREEN AND UBIQUITOUS COMPUTING (IC-CGU)-2024'.

- "A review on stanene nanostructures - A promising material for nano-scale applications" submitted to 11th IEEE ESDC 2023 organized by Indian Institute of Information Technology (IIIT), Sri City, India In association with London Digital Twin Research Center (UK)

5. **Reviews by Dr. Sonalika Mishra**
   - 'Smart Power Control and Renewable Energy (ICSPCRE-2024)' conference organized byNIT, ROURKELA

INVITED TALKS

1. **Dr. Tyagraj Thakur** delivered an invited talk titled"De-centring English Studies through Ngugi'sGlobalectics: Reimagining the Language of World Literature," in a Two-Day Virtual International Conference on 'ELT in India: Tradition vs. Innovation' organised by Department of Basic Science and Humanities, BVRIT HYDERABAD College of Engineering for Women, Hyderabad, India on 6th& 7th July 2023.
2. **Dr. Ashutosh Rath** delivered an invited as a Resources Person at One-Week Faculty Development Programme (FDP) on Hydrological Analyses & GIS Application in Water Resources (HAGAWR) organised by Veer Surendra Sai University Of Technology Burla, Odisha from 12th to 17th February 2024 sponsored by All India Council for Technical Education (AICTE), ATAL-FDP programme.
3. **Dr. Mihir Hota** delivered an invited talk titled "Optical Logic Gates using Photonic Crystal Fibers" in the National Conference on 'Recent Advances in Materials and Particle Physics-2023(NCRAMPP2023)'organised by the PG Department of Physics, Berhampur University, Odisha on 24th& 25thNovemver 2023.
4. **Dr. Tyagraj Thakur** delivered an invited talk at the workshop on "Effective Communication Skills" organised by Dr. Parashuram Mishra Institute of Advanced Studies in Education, Sambalpur on 5th October 2023.

PARTICIPATION IN WORKSHOPS/SEMINARS/WEBINARS/FDPS/TRAINING PROGRAMMES

1. Dr. ChinmayeePadhy attended a Five-Day Online-FDP on Universal Human Values (UHV)-I organised by the AICTE, New Delhi from 21st to 25th August 2023.
2. Dr. Simanchal Bag attended a workshop on National Board of Accreditation (NBA) organised by BPUT, Odisha in CIME, Bhubaneswar from 22nd to 24th August 2023.

3. Dr. Deepak Sahu attended a workshop on National Board of Accreditation (NBA) organised by BPUT, Odisha in CIME, Bhubaneswar from 22nd to 24th August 2023.
4. Mr. Satyabrat Sahoo attended an online workshop titled "Fundamentals of Wireless Communication" conducted by IIT-Madras NPTEL+ on 5th Aug 2023.
5. Dr.Ashutosh Rath, Dr. Sohan Kumar Pande, Dr.Manas Ranjan Jena, Mr. Nabin Kumar Naik, Mr. Ashish Singh Saluja, Mr. Biresh Kumar Dakua and Dr. Simanchal Bag attended an online FDP on "Faculty Interactive Session On Industry Expectation" organized by BPUT, Rourkela, Odisha on 28thAugust 2023.
6. Dr. Tyagraj Thakurattended and acted as a rapporteur in the National Seminar on "Holistic Education: NEP 2020" organized by Sambalpur Public Library in collaboration with Teaching Learning Centre, Ramanujan College, University of Delhi on 13th August 2023.
7. Dr. Simanchal Bag attended a Five-Day Online-FDP on Universal Human Values (UHV)-I organised by the AICTE, New Delhi from 11th to 15thSeptember 2023.
8. Dr. Mihir Hota and Mr. Satyabrat Sahoo attended NPTEL East Zone SPOC Felicitation Workshop organized by IIT-KGPat Kolkata on 25-Feb-2024.
9. Mr. Biresh Kumar Dakua attended an NSM-DST sponsored National workshop on High Performance Computing in Engineering Applications (HPCEA-2024), organized by NIT Warangal from 28th February to 3rd March 2024.
10. Dr. Mihir Hota attended a National Conference on Recent Advances in Physics and Ballistics and 4th Annual Convention of Odisha Physical Society organised by PG Department of Physics, F.M.University, Balasore on 10th& 11th February 2024.
11. Dr. Mihir Hota attended the 6th National Conference on Functional Materials for Emerging Tecnlogy, 2024 held on 29th-30th March,2024 organised by Department of Basic Sciences and Humanities, Silicon University, Bhubaneswar.
12. Dr. Sonalika Mishra attended a Short Term Course and Faculty Development Programme on "Applications of Machine Learning Techniques in Sustainable Technologies (AMLST-2024)"organized by the Department of Computer Science and Engineering, and Electrical Engineering, NIT, Rourkela from 24th to 28th January 2024.
13. Dr. Sonalika Mishra attended One-week virtual faculty development program on "Operation and control of modern power System" organized by Department of Electrical Engineering RIT, Rajaram Nagar in association with RIT-IEEE Student branch and RITCTL during 5th-10th February 2024.
14. Dr. Sonalika Mishra attended BNSM-DST Sponsored National Workshop on "High performance computing in Engineering applications" organized by the Department of Computer Science and Engineering, NIT Warangal from 28th February to 3rd March 2024.

15. Dr. Sohan Kumar Pande has participated at the NSMDST Sponsored National Workshop on "High Performance Computing in Engineering Applications (HPCEA)" organized by Department of Electrical Engineering and Department of Computer Science and Engineering, National Institute of Technology Warangal from 28th February to 3rd March 2024,

16. Mr. Biresh Kumar Dakua, Mr. Nabin Nayak, Mr. Sudip Ku Patel & Mr. Simanchal Bag attended SWAYAM NPTEL Awareness Workshop conducted by NPTEL, IIT Madras in association with Centre for UG & PG Studies Biju Patnaik University of Technology at BPUT Rourkela on January 6, 2024.

17. Dr. Chinmayee Padhy attended SWAYAM NPTEL Awareness Workshop conducted by NPTEL, IIT Madras in association with Centre for UG & PG Studies at Sambalpur University on 6th January 2024.

18. Mr. Ashish Saluja attended SWAYAM NPTEL Awareness Workshop conducted by NPTEL, IIT Madras in association with Centre for UG & PG Studies at Sambalpur University on 6th January 2024.

19. Dr. Sohan Pande attended SWAYAM NPTEL Awareness Workshop conducted by NPTEL, IIT Madras in association with Centre for UG & PG Studies at Sambalpur University on 6th January 2024.

20. Mr. Biresh Kumar Dakua attended a one week FDP by ATAL-AICTE on Artificial Intelligence in E-Automobile Technology and its Integration with Sustainable Energy at Silicon Institute of Technology, Bhubaneswar from 6th to 11th November 2023.

21. Dr. Mihir Hota attended the Odisha Research Conclave organised by Sambalpur University from 14th to 16th November 2023.

Session Chaired

1. **Dr. Sohan Kumar Pande** chaired a session at the International Conference on Cutting Edge Technology in Computing, Communication and Intelligence (ICCTCCI-2024), organized by Institute of Management and Information Technology, Cuttack on 23-24 March 2024.

2. **Dr. Mihir Hota** chaired a session at the National Conference on 'Recent Advances in Material and Particle Physics-2023 (NCRAMPP2023) organised by the PG Department of Physics, Berhampur University, Odisha on 24th & 25th Novemver 2023.

WORKSHOPS/INVITED TALKS/FDPs ORGANISED

1. An invited talk by Dr. Sanjib Kumar Nayak, Assistant Professor, Department of Computer Application, VSSUT was held on 11th September 2023 where the speaker oriented the students to a wide range of new trends in computer sciences, especially in the field of Artificial Intelligence, Machine Learning and Automation.

2. A Distinguished Talk by Prof. BanshidharMajhi, Honourable Vice Chancellor, VSSUT was held on 12th September 2023 where all the students and members of faculty participated. Prof. Majhi reflected on the role of discipline, proactive learning, competitive attitude, human values, professionalism etc as essential elements for the growth of an individual, especially aspiring technology professionals.

3. An engrossing session on the Role of Media in Nation Building was held on 14th September 2023 where Mr. PriyaRanjanSahu, Senior Journalist, Sambalpur and Mr. Binayak Mishra, IPRO, Odisha Information Service, Government of Odisha shared their thoughts on the changing paradigms of media over the years and its role in shaping the mind-space of the people. This occasion saw a wide range of questions from students which were addressed by the resource persons.

4. On 15th September 2023, the occasion of Engineers' Day, two eminent academics from the field of Civil Engineering namely, Prof. Pradeep Kumar Mishra, Former Director, Silicon Institute of Sambalpur and Prof. Prakash C. Swain, Professor of Civil Engineering and Dean Infrastructure, VSSUT, Burla were invited. Prof. Mishra reflected on the contributions of Sir. M. Visvesvaraya to the infrastructural development of the country. Similarly, Prof. Swain deliberated on the need of physical, mental and spiritual wellbeing of an individual in pursuing as well as achieving life goals.

5. An invited talk by Dr. Satyabrata Das, Associate Professor, Department of Information Technology and Head, Department of Computer Application, VSSUT, Burla was held on 15th September 2023. Dr. Das addressed the students on the wide range of career prospects in research and higher studies, and how students can be benefitted directly by collaborating with VSSUT.

6. Mr. VikashRanjan, Member of the Brahmakumaris and Faculty Member, Rajyoga Education and Research Foundation, New Delhi delivered an invited talk on Physical, Mental and Spiritual Health on 16th September 2023. Along with the talk he demonstrated a few meditation techniques. The session ended with a mass meditation conducted by the delegates from Brahmakumaris.

7. The Department of Computer Science and Engineering organised an Invited Expert Talk titled 'Machine Learning for Engineers' by Mr. Likhit Nayak, Doctoral Scholar, Bioengineering, Gleason Lab, Georgia Institute of Technology, Atlanta, USA on 22nd December 2023. Mr. Nayak reflected on the recent research trends in artificial intelligence and machine learning (AIML) especially in the domain of Biomedical Engineering. He emphasised how these advances in technology are bringing paradigm shifts to healthcare sciences and how technological research in turn is gradually getting multidisciplinary and multifaceted. While addressing the questions by students and members of faculty Mr. Nayak zeroed in on research opportunities for engineering students in the area of AIML

8. The Department of Basic Sciences and Humanities organised a Two-Day Students' Seminar-cum-Mathematics Quiz on 21st and 22nd December 2023 to celebrate the National Mathematics Day 2023. The Day-1 of the programme started with the Quiz Prelim where 70 students from the first semester

participated. The top 15 scorers were shortlisted to participate in the Quiz Finale. Five teams of students comprising the 15 finalists played three rounds of quiz and the following students were adjudged winners and runners-up.

Winner: Asmit Singh, SubhranshuKabi, RashmiRanjanSahoo

Runner-up: OshanKhati, Sonu Kumar Ray, Ashish Singh

The technical session – 1 of the students' seminar began in the afternoon where students from 5th semester namely, Mr.SaswatRanjanPattanaik, Mr.Gourav Ranjan, Mr.Somdev Behera, Mr.Priyabrata Mishra and Mr.Chiranjeeb Das presented their papers. The Day-2 unfolded with a floral tribute to SrinivasRamanujan by Dr.MihirHota, Profesor& Dean Academic, Silicon Institute of Technology, Sambalpur and Dr. S. K. Paikray, Professor of Mathematics, VSSUT, Burla.Mr. Ashish Singh Saluja, Assistant Professor of CSE compered the inaugural session. Prof.MihirHota offered his welcome address and subsequently, Prof.Paikraydelivered the invited expert talk where hereflected onRamanujan's life as well as his significant contributions to the world of mathematics.

In the technical session – 2 students from 3rd semester namely, Mr.Shinku Kumar, Mr.Adarsh Kumar, Ms.Punam Agrawal, Ms. Rubi Kumari and Mr.DebasishPatra presented their papers. All the winners and runners-up of the Quiz Competition were awarded with the trophy along with certificates and all the finalists were presented certificates of appreciation. Similarly, all the paper presenters were presented with certificates of participation in the valedictory session. At the end, Dr.ChinmayeePadhy, Assistant Professor of Mathematics, Silicon Institute of Technology, Sambalpur and Convenor of the programme proposed the vote of thanks.

9. The live streaming of an Expert Talk by Prof. Dinesh Singh, Chancellor, KR Mangalam University Gurugram, Former Vice Chancellor Delhi University and a Distinguished Mathematician was held on the occasion of the Inauguration of the Mathematics Week on 18 December 2023. Students of 1st and 2nd year attended the talk.

10. The Industry Interface Cell organised an expert talk titled "Opportunities in the Social Sector" on 24 November 2023. Ms. Ankita Panda, Program

Head, Transforming India Initiative, Access Livelihoods, Hyderabad reflected on the opportunities of placement and internship for students of Engineering and Technology in the social sector.

PARTICIPATION IN BPUT PROJECT EXHIBITION 2023

Six students from CSE attended the Project Exhibition 2023 organised by BPUT, Odisha at Gandhi Institute for Technology, Bhubaneswar on 23rd December 2023. The details are as follows.

Sl. No.	Category of the Project	Topic	University Regd. No.	Name of the student
1	Design and Prototypes	Robotic Arm – that can be controlled from long distance	2101341015 2101341010	Mahaveer Panigrahi Gourav Kumar
2	Technology Solutions	App based forum portal for farmers to tackle plant problems	2101341030 2101341024	Somdev Behera Rakesh Patel
3.	Research	Research Project	210134105 220134131	Priyabrat Mishra Shashikanta Kerketta

SWAYAM NPTEL COURSES

SWAYAM NPTEL (Coordinated by IIT-Madras)

Active SPOC Certificate of Appreciation has been received by Mr. Satyabrat Sahoo for Jul-Dec 2023 session based on the following criteria:

- There should be a minimum of 25 exam takers from the Local Chapter
- There should be a minimum of 13 exam takers getting certified (Overall Score > 40)

Achievement of Silicon Sambalpur against above criteria.

- 44 students appeared for the examination.

- 23 students secured the Overall Score of 52.28%

<p align="center">NPTEL Certification Examination Status of Jan-Apr, 2024 session</p>

<p align="center">NPTEL Exam. Dates: 23, 24 Mar and 20, 21, 27, 28 Apr 2024</p>

Branch	Student			Faculty		
	Registered	Appeared in Mar	Appeared in Apr	Registered	Appeared in Mar	Appeared in Apr
CSE	63	13	50			
CE	1		1			
ME	1		1			
EE	5	3	2	1		1
ECE	2		2	1	1	
BSH						
Total	**72**	**16**	**56**	**2**	**1**	**1**

NPTEL Certification Examination Result of Jan-Apr,2024

Sl.No.	Course Name	Name	Department	Final Score	Certificate Type	Exam Date
1	The Joy of Computing using Python	Punam Agrawal	computer_science_and_engineering	79	Elite+Silver	2024-04-21
2	Data Analytics with Python	Jagakalia Meher	computer_science_and_engineering	70	Elite	2024-04-27
3	Programming In Java	Subham Panigrahi	computer_science_and_engineering	62	Elite	2024-04-27
4	Python for Data Science	Ria Satapathy	computer_science_and_engineering	60	Elite	2024-03-24
5	Programming In Java	Kshitiz Naik	computer_science_and_engineering	60	Elite	2024-04-27
6	Data Science for Engineers	Sourav roy	computer_science_and_engineering	58	Successfully completed	2024-03-24
7	Data Science for Engineers	Meghraj Sharma	computer_science_and_engineering	57	Successfully completed	2024-03-24
8	Programming In Java	ASHISH KUMAR	computer_science_and_engineering	57	Successfully completed	2024-04-27
9	Programming In Java	Satya Ranjan Nayak	computer_science_and_engineering	57	Successfully completed	2024-04-27
10	Cloud Computing	Priya Kumari	computer_science_and_engineering	56	Successfully completed	2024-04-20
11	Programming In Java	Oshan Khati	computer_science_and_engineering	56	Successfully completed	2024-04-27

12	Programming In Java	Rahul Raj	computer_science_and_engineering	55	Successfully completed	2024-04-27
13	Cloud Computing	Amlan Abhijeet Mishra	computer_science_and_engineering	54	Successfully completed	2024-04-20
14	Programming In Java	Parthasarathi Sahoo	computer_science_and_engineering	54	Successfully completed	2024-04-27
15	Programming In Java	Arpita Soni	computer_science_and_engineering	54	Successfully completed	2024-04-27
16	Data Base Management System	Bandita Thakur	computer_science_and_engineering	53	Successfully completed	2024-03-24
17	Programming In Java	Abhishek Kumar Singh	computer_science_and_engineering	53	Successfully completed	2024-04-27
18	Programming In Java	Abhishek Kumar	computer_science_and_engineering	53	Successfully completed	2024-04-27
19	Programming In Java	Sneha Routray	computer_science_and_engineering	53	Successfully completed	2024-04-27
20	Programming In Java	Adarsh Kumar Singh	computer_science_and_engineering	52	Successfully completed	2024-04-27
21	Data Analytics with Python	Chaitanya Sahu	computer_science_and_engineering	52	Successfully completed	2024-04-27
22	Programming In Java	Akash Kumar Gosain	computer_science_and_engineering	51	Successfully completed	2024-04-27
23	Programming In Java	Shreya Bhandari	computer_science_and_engineering	47	Successfully completed	2024-04-27
24	Programming In Java	Rabin Sen	computer_science_and_engineering	47	Successfully completed	2024-04-27
25	Programming In Java	Ayush Tripathy	computer_science_and_engineering	46	Successfully completed	2024-04-27
26	Programming In Java	Biswojit Rout	computer_science_and_engineering	41	Successfully completed	2024-04-27

NPTEL Certification Exam. Status : Jul-Dec2023

Branch	Student				Faculty			
	Registered	Appeared	Certified	*Topped*	Registered	Appeared	Certified	*Topped*
CSE	46	38	21	*1*	1	0		
CE	3	3	2					
ME	4	4	0					
EE								
ECE					1	1	1	
BSH					1	1	1	
Total	**53**	**45**	**23**	***1***	**3**	**2**	**2**	

Sr.	Course Name	Name	Department	Certificate Type
**NPTEL Certificates Earned by Students in Jul-Dec,2023 Session**				
1.	**Python For Data Science**	**Gourav**	**computer_science_and _engineering**	**Elite+Silver TOPPER**
2.	Cloud Computing	APALA MAHANA	computer_science_and_e ngineering	Elite
3.	Cloud Computing	Nikhil Agrawal	computer_science_and_e ngineering	Elite
4.	Programming In Java	Shubham Mishra	computer_science_and_e ngineering	Elite
5.	Programming In Java	Punam Agrawal	computer_science_and_e ngineering	Elite
6.	Data Base Management System	Satyajit Mahato	computer_science_and_e ngineering	Elite
7.	The Joy Of Computing Using Python	Ria Satapathy	computer_science_and_e ngineering	Elite
8.	Cloud Computing	Arnold Anthony	computer_science_and_e ngineering	Elite
9.	Programming In Java	Naquib Zilani khan	computer_science_and_e ngineering	Elite
10.	Programming In Java	Sameer Barik	computer_science_and_e ngineering	Elite
11.	Programming In Java	SHINKU KUMAR	computer_science_and_e ngineering	Elite
12.	Programming In Java	Nikhil kumar	computer_science_and_e ngineering	Successfully completed
13.	Ethical Hacking	Manas Ranjan Patel	computer_science_and_e ngineering	Successfully completed
14.	Cloud Computing	Chirag Singh	computer_science_and_e ngineering	Successfully completed
15.	Programming In Java	Simran Choudhary	computer_science_and_e ngineering	Successfully completed
16.	Programming In Java	SHIVANSHU BARIK	computer_science_and_e ngineering	Successfully completed
17.	Google Cloud Computing Foundations	ANKIT ROY	computer_science_and_e ngineering	Successfully completed
18.	Data Structure And Algorithms Using Java	Mahaveer Prasad Panigrahi	computer_science_and_e ngineering	Successfully completed
19.	Computer Architecture	Bhupinder Singh	computer_science_and_e ngineering	Successfully completed
20.	Data Science For Engineers	SHRIHARI SATYANARAYAN SAHANI	computer_science_and_e ngineering	Successfully completed
21.	The Joy Of Computing Using Python	Amlan Abhijeet Mishra	computer_science_and_e ngineering	Successfully completed
22.	Wastewater Treatment And Recycling	SASWAT RANJAN PATTNAIK	civil_engineering	Elite
23.	Wastewater Treatment And Recycling	Pratham Narayan Panda	civil_engineering	Successfully completed

NPTEL Certificates Earned by Faculties in Jul-Dec,2023 Session			
Sr.	Course Name	Name	Department	Certificate Type
1.	Introduction to Machine Learning	Dr. Chinmayee Padhy	BSH	Successfully completed
2.	Modern Digital Communication Techniques	Dr. Manas Ranjan Jena	ECE	Successfully completed

NEWS & EVENTS

Live Screening of Mission Chandrayaan 3 - Soft-landing of Vikram Lander

Chandrayaan-3 was launched on July 14, 2023, by a GSLV Mk III rocket from SatishDhawan Space Centre in Sriharikota. It reached the lunar orbit on July 22, 2023, and performed several orbital maneuvers to lower its altitude and inclination. The powered descent of the lander began on August 23, 2023, around 6 pm IST, and lasted for about 15 minutes. The lander successfully touched down on a flat plain near the south pole of the Moon at 6:04 pm IST, making India the fourth country to successfully land on the Moon, and the first to do so near the lunar south pole. To witness and cherish the delightful moments of Chandryaan-3 reaching the surface of the moon, Silicon West organised a live screening of the ISRO's event in the seminar hall in which more than 100 students despite the on-going even semester examination participated and celebrated the success of ISRO and the nation at large.

Tree Plantation Drive

A Tree Plantation Drive was organised on 12 August 2023 where more than 40 student volunteers from the Second Semester along with members of faculty and staff participated. More than 200 saplings of diverse varieties were planted on both sides of the road that connects the institute to the state highway. The drive was coordinated by Dr. Deepak Sahu, Mr. Nabin Kumar Naik and Mr. Ajay Sethi.

Celebration of 77th Independence Day

The 77th Independence Day was celebrated on 15 August 2023. Prof. Mihir Hota (Dean Academic) unfurled and hoisted the National Flag. The flag hoisting was followed by the singing of the National Anthem. Prof. Hota in his address commemorated the freedom struggle and the dedication of our freedom fighters. He appealed to all the students to live the ideals propagated and established by our freedom fighters, and be a part of the cause of Nation Building through science, engineering, and technology.

Orientation Programme

The 15th Orientation programme of the institute was held on 1st September 2023 where the batch 2023-27 and the lateral entry students for the batch 2022-26 were officially welcomed to the institute. The programme was attended by more than 250 people comprising the newly admitted students and their parents/guardians.

Bridge Course

The newly admitted students for the batch 2023-27 underwent a bridge course from 4th to 9th September 2023. The bridge course comprised introductory classes on subjects that are offered in the first years of engineering. It was an endeavor to connect the learning that the students had in their higher secondary school with the courses that are offered inengineering.

Induction Programme

The Induction Programme for the batch 2023-27 was held from 11th September to 16th September 2023. A wide range of topics and subjects were covered through invited talks during this programme.

An invited talk by Dr. Sanjib Kumar Nayak, Assistant Professor, Department of Computer Application, VSSUT was held on 11th September 2023 where the speaker oriented the students to a wide range of new trends in computer sciences, especially in the field of Artificial Intelligence, Machine Learning and Automation. A technical quiz event was organised in the post lunch session where all the students participated in the Prelim Test. The shortlisted ones were clubbed into 8 teams who played the finale. Names of the winners and the runners-up were announced at the end of the session.

On 12th September 2023, the second day of the induction programme, a distinguished talk by Prof. BanshidharMajhi, Honourable Vice Chancellor, VSSUT was held where all the students and members of faculty participated. Prof. Majhi reflected on the role of discipline,

proactive learning, competitive attitude, human values, professionalism etc as essential elements for the growth of an individual, especially aspiring technology professionals. The winners and runners-up of the technical quiz were presented the awards by Prof. Majhi. In the post-lunch session, the Robotics Club of the institute organised an orientation programme for the newly admitted students.

On 13th September, the third day of the induction programme, students had a session on Physics for Engineering by Prof. MihirHota, Dean Academic which was followed by an orientation by CodigoPlataforma, the coding club of the institute.

The fourth day, 14th September 2023, witnessed an engrossing session on the Role of Media in Nation Building where Mr. PriyaRanjanSahu, Senior Journalist, Sambalpur and Mr. Binayak Mishra, IPRO, Odisha Information Service, Government of Odisha shared their thoughts on the changing paradigms of media over the years and its role in shaping the mind-space of the people. This occasion saw a wide range of questions from students which were addressed by the resource persons.

On 15th September 2023, the occasion of Engineers' Day, two eminent academics from the field of Civil Engineering namely, Prof. Pradeep Kumar Mishra, Former Director, Silicon Institute of Sambalpur and Prof. Prakash C. Swain, Professor of Civil Engineering and Dean Infrastructure, VSSUT, Burla were invited. Prof. Mishra reflected on the contributions of Sir. M. Visvesvaraya to the infrastructural development of the country. Similarly, Prof. Swain deliberated on the need of physical, mental and spiritual wellbeing of an individual in pursuing as well as achieving life goals. The post-lunch session had another invited talk by Dr. Satyabrata Das, Associate Professor, Department of Information Technology and Head, Department of Computer Application, VSSUT, Burla. Dr. Das addressed the students on the wide range of career prospects in research and higher studies, and how students can be benefitted directly by collaborating with VSSUT.

On 16th September 2023, the last day of the induction programme, Mr. VikashRanjan, Member of the Brahmakumaris and Faculty Member, Rajyoga Education and Research Foundation, New Delhi delivered an invited talk on Physical, Mental and Spiritual Health. Along with the talk he demonstrated a few meditation techniques. The session ended with a mass meditation conducted by the delegates from Brahmakumaris. In the post-lunch session Dr. Simanchal Bag, Assistant Professor (Economics), Silicon Sambalpur addressed a session on Financial Awareness.

Orientation Programme of Codigo Plataforma

Codigo Plataforma, the Students' Coding Club of the institute organised its orientation programme for the batch 2023-27 on 25 November 2023. The secretary and coordinators of the club reflected on the achievements and projects of the club and urged the new batch of students to subscribe to the membership in the club. Dr. SohanPande, FC-CodigoPlataforma deliberated on the rewards and opportunities that students get as members of this club.

Investment Awareness Programme

The Entrepreneurship Development Cell organized an Investor Awareness Programme conducted by NSE, Academy on 25th November 2023. Ms. Anita Toshniwal, the resource person of this programme oriented the participants to a diverse range of topics such as investment in mutual funds, equity funds, debt funds and also reflected on direct investment, saving habits and product labelling. A total **of 80 students participated** in this programme. The programme was coordinated by Dr. Simanchal Bag, Assistant Professor (Economics) &FIC, ED Cell.

Quizanna 2K23-24

An interschool/college quiz competition titled **Quizanna2K23-24** was organised on 2nd December 2023 where 42 teams of students from 14 higher secondary schools and colleges namely, Gangadhar Meher Higher Secondary School, Government Women's College, Apprise Higher Secondary School, Newton Higher Secondary School, Gayatri Higher Secondary School, Vikash the Concept School, Vikash Higher Secondary School, NAC Higher Secondary School, Aditya Residential School, Surajmal Higher Secondary School and Shandilya Higher Secondary Schoolparticipated. The teams appeared for the Prelim and the best 8 teams were shortlisted for the finale. The Winners and Runners-Up were awarded with Trophies, Cash Prizes and Certificates. All the participants were presented certificates of participation.

- o Winners : Gangadhar Meher Higher Secondary School
- o 1st Runner-Up : Government Women's College,Sambalpur

        o   2ⁿᵈ Runner-Up   :   Aditya Residential School

The quiz event witnessed an assembly of more than 180 people comprising the participants and accompanying teachers and fellow classmates from the schools/colleges concerned. The event was conducted by the Silicon Students' Council.

Blood Donation Camp

A Blood Donation Camp was organised by the Students' Council, Silicon Institute of Technology, Sambalpur in collaboration with Sambad Ama-Odisha and ISTE Student Chapter, Silicon Sambalpur on 9th December 2023. The camp was inaugurated by Prof. Mihir Hota, Dean Academic along with the medical team from Blood Bank, VIMSAR, Burla and Sambad-AmaOdisha officials. Students,

members of faculty and staff voluntarily came forward to contribute to this noble cause of donating blood and the medical team from Blood Bank, VIMSAR, Burla took care of the process. A total of 50 units of blood were collected on this day.

Industry-Academia Interaction

To address the gap between academic research and real time industry problems a team of faculty members comprising Prof. Mihir Hota, Mr. Biresh Kumar Dakua and Dr. Sonalika Mishra, along with Prof. Sukanta Kumar Tripathy, Director, College Development Council, Berhampur University, Berhampur visited Hindalco Industries at Hirakud and JSW Industries at Thelkoloi, Jharsuguda on 19th January 2024. The

team discussed the waste management of pot room with Mr. Debasish Mallik, Plant Head, and the projects related to rodding shop with Mr. Sandeep Pratap Singh, Rodding plant Head. Similarly the removal of toxicity in the ashpond of nearby villages in the vicinity of JSW and tree plantation projects were discussed with CSR (Corporate Social Responsibility) Head Mr. Bikash Sinha, JSW.

Sports& Athletics

The 13th Athletic Meet of the institute was organised on 20th February 2024. A wide range of sprinting evens, jumping events,

throw events and Tug of War were held during the day. Prior to this the Volleyball Tournament came to fruition with its finale on 6th January 2024. After a 2-2 lead in the first four sets, the winning team bagged it by 25-22 points. Similarly the final match of the students' cricket tournament was held between Team Blue and Team Black on 30 December 2023 in which Team Black won the match.

Model United Nations 2024

The Literary Club organised the Model United Nations 2024 on 2nd March 2024 where students as delegates of 25 different nations reflected and debated on the following issues of geopolitical relevance.

- World Peace: Steps taken to ensure peace
- Economic policies for healthy international trade
- Combating health crises
- Scientific advancements with special focus on Space, Nuclear, Energy and IT
- Climate change
- Food security
- Skilling and education
- Measures to combat extremism

Mr. Priya Ranjan Sahu, Senior Journalist from Sambalpur was the Chief Guest of the occasion and the Invited Member of the Jury. The programme unfolded in three rounds namely, Briefing the House, Open House and Jury's Shoot. Out of 68 applicants, 25 students were shortlisted through 5 rounds of Group Discussion sessions to participate in this event. Prof. Mihir Hota, Dean welcomed the delegates and shared
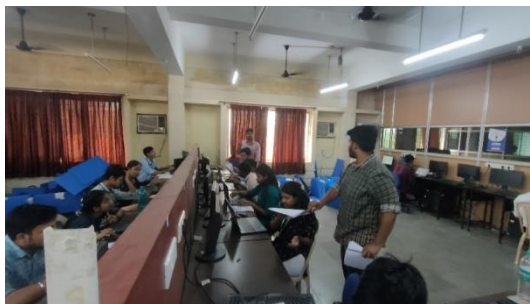

his words of encouragement and appreciation in the inaugural session, and Mr. Priya Ranjan Sahu expressed his appreciation for the thought behind the event and the agenda under discussion. After the day's deliberations, debates and reflections Mr. Gourav Kumar from 6th Semester CSE was adjudged the Best Delegate of MUN 2024. Ms. Pranjal Parmar (8th Semester, CSE) and Mr. Somdev Behera (6th Semester, CSE) conducted the affairs of the house in the capacity of Secretary General and Chairperson of MUN 2024 respectively. The in-house members of the Jury were Ms. Sagarika Pradhan (HoD, ME), Dr. Sonalika Mishra (Assistant Professor of EE), Mr. Ashish Singh Saluja

(Assistant Professor of CSE) and Dr. Simanchal Bag (Assistant Professor of Economics). All the participants were presented certificates of participation and the Best Delegate was presented the winning trophy, certificate of appreciation and cash prize. At the end of the program Mr. Amlan Abhijeet Mishra (4th Semester, CSE), member of the Literary Club proposed the vote of Thanks.

Code-Fest By Coding Club

Codigo Plataforma, the coding club of Silicon West organised a coding competition "Code Fest: The Ultimate Competitive Competition" on 4th March 2024. More than 80 students participated in this competition. It was conducted in two categories; 1) Junior Category for the 1st and 2nd year students and 2) Senior Category for 3rd and 4th year students. The results of the competition are as follows.

Junior Category

Position	Name	Sem	Branch	SIC
First	Satya Ranjan Nayak	2nd Sem	CSE	23BCSN72
Second	Biswojit Rout	4th Sem	CSE	22BCSN56
Third	Shakcham Kumar Sinha	4th Sem	CSE	22BCSN31

Senior Category

Position	Name	Sem	Branch	SIC
First	Nikhil Agrawal	8th Sem	CSE	20BCSN11
Second	Abhishek Bhakat	8th Sem	CSE	20BCSN10
Third	Priyanshu Raj	8th Sem	CSE	20BCSN14

Techstasy & Zreyas

The annual technical festival Techstasy and the annual cultural fest Zreyas were organised on 14th and 15th March 2024. Techstasy comprised technical events like robotics, brain haunt, aptitude and quizicon and non-technical events

such as gully cricket, beach volley, dart throw etc. Prof. Aditya Prasad Padhi (Former Vice Chancellor, Berhampur University & Member of Governing Body, Silicon Sambalpur) and Prof. Pradeep Kumar Mishra (Former Director, Silicon Institute of Technology, Sambalpur & Member of Governing Body, Silicon Sambalpur) graced the inaugural session of Zreyas as the Chief Gust and the Guest of Honour respectively. The evening comprised a series of cultural renditions such as dance performances, songs, skits and ramp walks.

Zaeka-Ae-Tadka

The annual food festival, Zaeka-Ae-Tadka was organised on 24 February 2024 where 16 teams of students prepared and served a wide variety of delicacies. The Jury comprising Mr. Nabin Kumar Naik and Ms. Sagarika Pradhan tasted and evaluated the delicacies as well the presentation of the platter.

Litterateur of the Fall 2024

The literary club organised the Litterateur of the Fall 2024 on 30 March 2024. Dr. Kamdeba Sahu, Former Professor of English, Gangadhar Meher University (Erstwhile Gangadhar Meher College), Sambalpur graced the occasion as the Chief Guest and External Member of the Jury. Ten students shortlisted from a creative writing

held on 28th March 2024 participated in the Finale on 30th March which comprised three rounds testing their critical appreciation of poetry, performance on dramatic soliloquies and oration. At the end of the event Mr. Sourav from 2nd Semester, CSE was adjudged the winner and recipient of title 'Litterateur of the Fall 2024.' The internal members of the Jury were Dr. Sonalika Mishra, Dr. Chinmayee Padhi and Dr. Tyagraj Thakur.

Yoga Day 2024

The International Day of Yoga 2024 was observed on 21st June 2024. All the members of faculty and staff assembled in the Yoga Hall and Dr.ChinmayeePadhy, Asst. Professor of Mathematics conducted a yoga session which comprised a few

Asanas (postures) and Pranayama (Breathing exercises).

CCC ACTIVITIES

1. The Campus Coordination Committee (CCC) organized a movie show for all boarders on 19.02.24 in the Seminar Hall from 4.30 pm to 7pm.110 boarders were present during the screening of the movie titled **Hi Pappa.** It was conducted in the presence of FIC, CCC.

2 . The CCC conducted a heritage tour to Ghanteswari Temple, Chipilima for 2nd yr and 1st yr boarders on 25.02.24 and 31.03.24 respectively.

3. The Campus Coordination Committee organized a Rangoli Competition for all boarders on 11.11.23at the lobby from 2PM to 4. 30PM.Around 20 students participated in this event. Deepika Rout (3rdyr CSE), Lopita Sahu (3rdyr CSE), Tanya Kumari (1st yr CSE) were declared First, Second and Third respectively by the Jury Members of this event. The event was conducted in the presence of Members of CCC.

INAUGURATION OF NEWLY CREATED AND RENOVATED COURTS

The newly created Badminton Court in the Girls' Residence, the renovated Badminton Court in the Boys' Residence and the renovated Basketball Court were inaugurated on 11 November 2023.

(Renovated Basketball Court)

(Newly Created Badminton Cout at Girl's Hostel)

(Renovated Badminton Court at Boy's Hostel)