

**Annual Report**

**July 2024 – June 2025**

**Silicon Institute of Technology, Sambalpur**

**Silicon West, Sason**

**768200**

## Message from the Chairman

Warm greetings from Silicon Institute of Technology, Sambalpur!

I am delighted to share with you some highlights of the year.

It brings me great pleasure to say that an impressive 65% of our faculty members have been awarded with PhD degrees and some of them have started guiding Ph. D. students. Our faculty members are publishing research articles in reputed journals and also encouraging our students to publish.

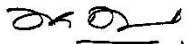
Our commitment to nurturing talent extends to our students, and I am pleased to report that the placement scenario at Silicon west has seen significant improvement. In the last academic year, the core branches have achieved 100% placement for the first time. With over 25 campus drives conducted by both multinational corporations and innovative startups, our students have achieved this when the national placement figures are declining.

Our students are continuing their good work of completing courses certified by NPTEL, some with higher grades. These academic engagements are a source of immense pride for us and reflect the commitment of our students to the pursuit of knowledge.

For the first time one of our students has become the branch topper in BPUT and will be receiving the Gold Medal in the coming convocation of BPUT. Mr. Saswat Ranjan Pattnaik, student of Civil Engineering (Batch 2021-25) has achieved this for scoring the highest CGPA in Civil Engineering among all students of Civil Engineering of BPUT for the year 2025. My congratulations are to him.

As we look ahead, I want to extend my heartfelt congratulations to all our staff members for their dedication to Silicon West. Your contributions are the driving force behind our progress, and I have no doubt that we will continue to reach new heights as a united team.

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. Pradeep Kumar Mishra (Educationist)
5. Prof. Bijoy Kishore Das (Educationist)
6. Prof. Omkar Nath Mohanty (Industrialist)
7. Prof. Aditya Prasad Padhi (Educationist)
8. Prof. Mihir Hota (Educationist)
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.

## **STATUTORY BODY COMPLIANCES**

- The provisional approval from AICTE has been obtained for the session 2025-26.
- The provisional affiliation by BPUT has been renewed for the session 2025-26.

### **IQAC Meeting**

- The first IQAC meeting for the academic year 2024-25 was conducted on 6th November 2024. Dr. Arunesha Mohapatra, Associate Professor of ECE, VSSUT, Burla attended the meeting as the External Member.
- The second IQAC meeting for the academic year 2024-25 was conducted on 26 April 2025. Dr. Arunesha Mohapatra, Associate Professor of ECE, VSSUT, Burla attended the meeting as the External Member.

### **Academic Audit by BPUT**

The Academic Audit Team comprising Prof. Siddhartha Panda, Professor of Electrical Engineering, VSSUT, Burla and Prof. Sukalyan Dash, Professor of Chemistry, VSSUT visited the institute campus and conducted the audit process on 18 March 2025. The schedule of the visit is as follows.

10:00 - 10:15 Presentation by the Principal in presence all Heads.

(Vision, Mission of the Institute / College, Faculty Cadre Ratio, Student Faculty Ratio, Student Intake, Accreditation Status, Extension of Approval, Grant of Provisional Affiliation, Fee Structure, Scholarship, Incubation Centres, Participation in University Programmes, Strength Weakness Opportunities & Challenges (SWOC) Analysis, Start-up & Innovation, Balance Sheet for year 2024-25 etc.)

10:15 - 10:45 Visit to all Central facilities.

10:45 - 12:00 Presentation by the Department Heads at their Departments.

(Vision, Mission, Faculty Members, Publications, Seminars / Workshop Conducted, Department Budget Allocation & Utilization, Admission, Students Cleared the Programme, Average CGPA, Placement and Higher Studies, Professional Society Activities events, Conference, Faculty Development Programme (FDP), Faculty Student Ratio (FSR), Best & Average Project Report, Faculty Service Books, Appointment Letters, Promotion and Award letters, R&D and Consultancy Projects, Faculty Interaction with outside world, List of Faculty Rooms & Classrooms, Programme Specific Labs and Computing Facility, Non-Teaching Staff Details, Curriculum, Assessment of CO & PO, etc.)

- 12:00 - 13:00 Document verification at Department level.
- 13:00 - 14:00 Working Lunch inside the College / Institute.  
(Lunch not to be arranged outside the College)
- 14:00 - 17:00 Audit Report verification and award of Scores.
- 17:00 - 17:30 Exit Meeting with the Principal and Faculty Members.
- 17:30 - 18:00 Filling of Google Form by the Auditors inside the Institute.  
(Computer & Internet facility need to be provided by the Institute)

**Note:**

- i. GEO-tagged photos of the Auditors during presentation of the Principal and during the exit meeting need to be taken by the Institute / College. These Photos will be uploaded by the Auditors in the Google Link provided to them.
- ii. The Principals are advised to ensure that, all the faculty and staff members will remain present on the day of visit of the auditors. All Theory and Practical classes will run as per the schedule.

The Auditors' Report and Observation are attached (Annexure-I)



## ADMISSION 2024-2025

### Batch 2024-2028 (Regular)

Program	Intake		Rank Admitted Highest - Lowest
	Sanctioned	Admitted	
B. Tech.			
Civil Engineering	30	4	1099840-1504267
Computer Science & Engineering	60	65*	276621-1502714
Electrical Engineering	60	1	1506179
Electronics & Communication Engineering	30	3	658802-1329716
Mechanical Engineering	30	3	762642 - 1040611
Total	210	76	276621-1506179

\* Regular - 60,      TFW - 3,      EWS - 2

### Batch 2024-2027 (Lateral Entry)

B.Tech	Students Admitted	Rank Admitted Highest - Lowest
Civil Engineering	2	10515 - 16339
Computer Science & Engineering	0	-
Electrical Engineering	1	5782 - 5782
Electronics & Communication Engineering	0	
Mechanical Engineering	0	
Total	3	5782-16339

## RESULT ANALYSIS

### Academic Year 2024-25

#### Overall Result - Batch 2021-2025

Overall CGPA	Above 8.0	CGPA : 6.00 - 8.00	CGPA : 4.50- 6.00	Below CGPA : 4.50	Total Student in Numbers
CE	3	3	0	0	6
CS	18	23	0	0	41
EE	1	0	0	0	1
ME	0	5	0	0	5



## Even Semester

### 8<sup>th</sup> Semester (Batch 2021-25)

Branch	<i>Appeared</i>	<i>Cleared</i>	<i>having Back</i>	<i>% Success</i>
Civil Engineering	6	6	0	100%
Computer Science & Engineering	41	41	0	100%
Electrical Engineering	1	1	0	100%
Mechanical Engineering	5	5	0	100%
Total	53	53	0	100%

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

Branch	>8.5	>=8.0- <8.5	>=6.0- <8.0	>=4.5- <6.0	Below 4.5	Total
Civil Engineering	5	1	0	0	0	6
Computer Science & Engineering	41	0	0	0	0	41
Electrical Engineering	1	0	0	0	0	1
Mechanical Engineering	5	0	0	0	0	5
Total	52	1	0	0	0	53

### 6<sup>th</sup> Semester (Batch 2022-26)

Branch	<i>Appeared</i>	<i>Cleared</i>	<i>having Back</i>	<i>% Success</i>
Computer Science & Engineering	57	30	27	53%
Electrical Engineering	4	3	1	75%
Mechanical Engineering	1	0	1	0%
Total	62	33	29	53%

Branch	All Pass	1 Back	2 or More Backs	Total
Computer Science & Engineering	30	21	6	57
Electrical Engineering	3	1	0	4
Mechanical Engineering	0	1	0	1

Branch	>8.5	>=8.0- <8.5	>=6.0- <8.0	>=4.5- <6.0	Below 4.5	Total
Computer Science & Engineering	12	8	33	4	0	57
Electrical Engineering	0	2	2	0	0	4
Mechanical Engineering	0	0	1	0	0	1
Total	12	10	36	4	0	62

#### 4<sup>th</sup> Semester (Batch 2023-27)

Branch	Appeared	Cleared	having Back	% Success
Civil Engineering	3	3	0	100%
Computer Science & Engineering	66	55	11	83%
Electrical Engineering	2	1	1	50%
Electronics & Communication Engineering	7	6	1	86%
Mechanical Engineering	2	2	0	100%
Total	80	67	13	84%

Branch	All Pass	1 Back	2 or More Backs	Total
Civil Engineering	3	0	0	3
Computer Science & Engineering	55	8	3	66
Electrical Engineering	1	1	0	2
Electronics & Communication Engineering	6	1	0	7
Mechanical Engineering	2	0	0	2
Total	67	10	3	80

Branch	>8.5	>=8.0- <8.5	>=6.0- <8.0	>=4.5- <6.0	Below 4.5	Total
Civil Engineering	1	2	0	0	0	3
Computer Science & Engineering	23	17	23	2	1	66
Electrical Engineering	0	1	1	0	0	2
Electronics & Communication Engineering	1	3	3	0	0	7
Mechanical Engineering	1	1	0	0	0	2
Total	26	24	27	2	1	80

**2<sup>nd</sup> Semester (Batch 2024-28)**

<b>Branch</b>	<b>Appeared</b>	<b>Passed</b>	<b>Failed</b>	<b>% Success</b>
Civil Engineering	4	1	3	25%
Computer Science & Engineering	62	25	37	40%
Electrical Engineering	1	0	1	0%
Electronics & Communication Engineering	3	1	2	33%
Mechanical Engineering	3	0	3	0%
	73	27	46	37%

<b>Branch</b>	<b>All Pass</b>	<b>1 Back</b>	<b>2 or More Backs</b>	<b>Total</b>
Civil Engineering	1	1	2	4
Computer Science & Engineering	25	14	23	62
Electrical Engineering	0	0	1	1
Electronics & Communication Engineering	1	1	1	3
Mechanical Engineering	0	1	2	3
<b>Total</b>	27	17	29	73

<b>Branch</b>	<b>All Pass</b>	<b>1 Back</b>	<b>2 or More Backs</b>
Civil Engineering	25%	25%	50%
Computer Science & Engineering	40%	23%	37%
Electrical Engineering	0%	0%	100%
Electronics & Communication Engineering	33%	33%	33%
Mechanical Engineering	0%	33%	67%
<b>Total</b>	37%	23%	40%

**Odd Semester****7<sup>th</sup> Semester (Batch 2021-25)**

<b>Branch</b>	<b>Appeared</b>	<b>Cleared</b>	<b>Having Back</b>	<b>% Success</b>
Civil Engineering	6	5	1	83%
Computer Science & Engineering	41	36	5	88%
Electrical Engineering	1	1	0	100%
Mechanical Engineering	5	4	1	80%
<b>Total</b>	53	46	7	87%

Branch	All Pass	1 Back	2 or More Backs	Total
Civil Engineering	5	1	0	6
Computer Science & Engineering	36	4	1	41
Electrical Engineering	1	0	0	1
Mechanical Engineering	4	1	0	5
Total	46	6	1	53

Branch	>8.5	>=8.0- <8.5	>=6.0- <8.0	>=4.5- <6.0	Below 4.5	Total
Civil Engineering	2	2	2	0	0	6
Computer Science & Engineering	8	16	17	0	0	41
Electrical Engineering	1	0	0	0	0	1
Mechanical Engineering	0	0	5	0	0	5
Total	11	18	24	0	0	53

#### 5<sup>th</sup> Semester (Batch 2022-26)

Branch	Appeared	Cleared	having Back	% Success
Computer Science & Engineering	57	49	8	86%
Electrical Engineering	4	3	1	75%
Mechanical Engineering	1	1	0	100%
Total	62	53	9	85%

Branch	All Pass	1 Back	2 or More Backs	Total
Computer Science & Engineering	49	6	2	57
Electrical Engineering	3	1	0	4
Mechanical Engineering	1	0	0	1
Total	53	7	2	62

Branch	>8.5	>=8.0- <8.5	>=6.0- <8.0	>=4.5- <6.0	Below 4.5	Total
Computer Science & Engineering	10	21	24	2	0	57
Electrical Engineering	1	0	3	0	0	4
Mechanical Engineering	1	0	0	0	0	1
Total	12	21	27	2	0	62

### 3<sup>rd</sup> Semester (Batch 2023-27)

Branch	Appeared	Cleared	having Back	% Success
Civil Engineering	4	2	2	50%
Computer Science & Engineering	66	59	7	89%
Electrical Engineering	2	1	1	50%
Electronics & Communication Engineering	7	6	1	86%
Mechanical Engineering	2	2	0	100%
Total	81	70	11	86%

Branch	All Pass	1 Back	2 or More Backs	Total
Civil Engineering	2	1	1	4
Computer Science & Engineering	59	5	2	66
Electrical Engineering	1	1	0	2
Electronics & Communication Engineering	6	1	0	7
Mechanical Engineering	2	0	0	2
Total	70	8	3	81

Branch	>8.5	>=8.0- <8.5	>=6.0- <8.0	>=4.5- <6.0	Below 4.5	Total
Civil Engineering	1	1	1	0	1	4
Computer Science & Engineering	23	18	24	1	0	66
Electrical Engineering	0	1	1	0	0	2
Electronics & Communication Engineering	1	3	3	0	0	7
Mechanical Engineering	0	2	0	0	0	2
Total	25	25	29	1	1	81

### 1<sup>st</sup> Semester (Batch 2024-28)

Branch	Appeared	Passed	Failed	% Success
Civil Engineering	4	0	4	0%
Computer Science & Engineering	62	30	32	48%
Electrical Engineering	1	1	0	100%
Electronics & Communication Engineering	3	2	1	67%
Mechanical Engineering	3	0	3	0%
Total	73	33	40	45%

<b>Branch</b>	<b>All Pass</b>	<b>1 Back</b>	<b>2 or More Backs</b>	<b>Total</b>		
Civil Engineering	0	0	4	4		
Computer Science & Engineering	30	20	12	62		
Electrical Engineering	1	0	0	1		
Electronics & Communication Engineering	2	1	0	3		
Mechanical Engineering	0	1	2	3		
Total	33	22	18	73		
<b>Branch</b>	<b>&gt;=8.5</b>	<b>&gt;=8.0- &lt;8.5</b>	<b>&gt;=6.0- &lt;8.0</b>	<b>&gt;=4.5- &lt;6.0</b>	<b>Below 4.5</b>	<b>Total</b>
Civil Engineering	0	0	1	3	0	4
Computer Science & Engineering	12	8	33	8	1	62
Electrical Engineering	0	0	1	0	0	1
Electronics & Communication Engineering	1	1	1	0	0	3
Mechanical Engineering	0	0	2	1	0	3
Total	13	9	38	12	1	73

## PLACEMENT DETAILS

PLACEMENT AT A GLANCE (2025 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	6	6	11	183.33	183.33	5	6	100.00	100.00
CSE	41	41	20	48.78	48.78	2	18	43.90	43.90
EE	1	1	1	100.00	100.00	0	1	100.00	100.00
ME	5	5	6	120.00	120.00	1	5	100.00	100.00
<b>Total</b>	<b>53</b>	<b>53</b>	<b>38</b>	<b>71.70</b>	<b>71.70</b>	<b>8</b>	<b>30</b>	<b>56.60</b>	<b>56.60</b>

Company wise offers for 2025 graduates		
Company	Offers	LPA
Digit	2	4.5
Infosys	3	3.5
TechMahindra	2	3.25
Technoshrine	1	3.6
Sai Infratech	2	2.4
Vaaman Technologies	1	4.2
Manya's Group (CEO)	1	
Manya's Group (Technical Executive)	2	4.38
Manya's Group (Field Officer)	1	3.54
Manya's Group (Branch Manager)	1	4.02
Manya's Group (Field Supervisor)	2	2.82
Manya's Group (Office Executive)	1	2.82
CASA (Job Role)	1	1.8
CASA (Training)	4	
Dalmia Cement	1	2.4
Datwa Technologies (Training)	1	1.2
Hindustan Plywood Emporium	1	1.92
Lizmontagens	1	3
JSW GBS	1	2.04
Devyanshi Pharmaceuticals	2	1.8
Appnox Technologies	1	3.6
Caliber Technologies	1	4.2
LTIMindtree	1	4
Synergy Labs (Training)	1	1.8
Zebaq (Training)	1	1
Sterlite Electric Ltd.	2	2.16
<b>Total</b>	<b>38</b>	

**Highest Package – 4.5 LPA**  
**Students with Highest Package – 2**  
**Company – Digit General Insurance**

#### **LIBRARY RESOURCES**

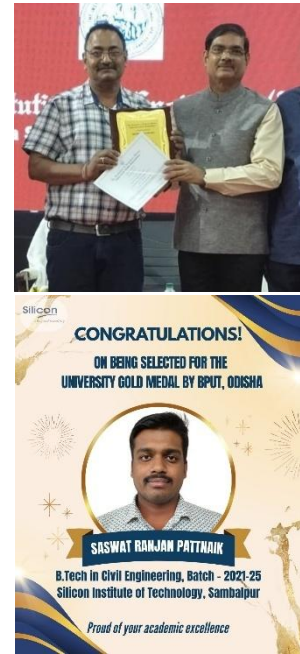
<b>Sl. No</b>	<b>Types of Books/Journals</b>	<b>Titles Added</b>	<b>Total Title</b>	<b>Volumes Added</b>	<b>Total Volume</b>
<b>1</b>	Library	03	3781	04	16471
<b>2</b>	Book Bank	0	198	0	5408
<b>3</b>	National & International Journals			9	
<b>4</b>	Technical Magazines			9	
<b>5</b>	General Magazines			11	
<b>6</b>	E-Journal			3	
<b>7</b>	Other Journals			Access to Major E-Journals	
<b>8</b>	Research Support			Access to Turnitin for Similarity Index	

#### **AWARD OF PH.D.**

1. **Dr. Nabin Kumar Naik**, Sr. Asst. Professor in ECE was conferred the degree of PhD by Sambalpur University in March 2025.
2. **Dr. Biresh Kumar Dakua**, Asst. Professor in the Department of Electrical Engineering was conferred the degree of PhD by VSSUT in April 2025.

## HONOURS/AWARDS

1. **Dr. Ashutosh Rath**, Senior Assistant Professor in the Department of Civil Engineering was honoured and awarded with the prestigious Institution Award by the Institution of Engineers (IEI), Bhubaneswar during the 64th Annual Technical Session held on 11th May 2025. This award is conferred in recognition of Dr. Rath's outstanding paper titled "Application of Soft computing Techniques for Irrigation Water Management to get maximum profit from cultivation: A Case Study of a Part of the command area of Hirakud System, Odisha, India."
2. **Mr. Saswat Ranjan Pattnaik** student of Civil Engineering (Batch 2021-25) has been selected for the University Gold Medal by BPUT, Odisha for scoring the highest CGPA in Civil Engineering for the year 2025.



## PATENT BY FACULTY MEMBERS (6)

1. **Dr. Manas Ranjan Jena** et.al. have published a patent titled "A DUAL-FEED TRI-BAND MICROSTRIP PATCH ANTENNA DEVICE FOR 5G COMMUNICATION APPLICATIONS." Address for service, Wolmarans and Susan Inc. 337 Surrey Avenue, Randburg, Gauteng, 2194, SOUTH AFRICA, Official application No. 2024/03011.
2. **Dr. Ashutosh Rath (Indian Patent)**
  - Patent Title: Solar Powered Concrete Mixer  
Patent Design No - 450487-001  
Date of publication: 05-06-2025
  - Patent Title: IoT-Enabled Smart Irrigation  
Patent Design No - 450488-001  
Date of publication: 23-06-2025

## PUBLICATIONS BY FACULTY MEMBERS

1. **Bag, S.** and Pati, U.C. Educational Performance, Maximization and Happiness: A Study. *International Journal of Scientific Research in Engineering Management (IJSREM)*, Vol. 9, Issue.4, April 2025. ISSN: 2582-3930. DOI-10.55041/IJSREM45985.
2. **Bag, S.,** Toppo, B. & Pati, U.C. Emotional Characteristics Matters or Economic Advantages Attract: A Case Study of Distress Migrants. *International Journal of Creative Research Thoughts (IJCRT)*. Vol.13, Issue.4, April 2025. ISSN: 2320-2882.
3. **Bag, S.,** Toppo, B. & Pati, U.C. Food Insecurity During Covid-19 Period: An Analysis for Odisha. *International Journal of Creative Research Thoughts (IJCRT)*. Vol.13, Issue.4, April 2025. ISSN: 2320-2882.
4. Sreelakshmi, K., Swain, B. R., Sahoo, A.B., **Jena, M.R.**, Pathak. R., "A Miniaturized Multiband Antenna with Frequency Reconfiguration for 5G and IoT Applications", *Journal of Information Systems Engineering and Management*, Vol. 10(7s), e-ISSN: 2468-4376, Feb 2025 (Scopus Indexed Journal). DOI:10.52783/jisem.v10i7s.924.
5. **Satyabrat Sahoo** et.al. An SCIE journal paper titled "A Pragmatic Review of QoS Optimizations in IoT Driven Networks." *Wireless Personal Communications*, SpringerLink ( <https://doi.org/10.1007/s11277-024-11412-9> ).
6. **Biresk Kumar Dakua**, and Bibhuti Bhusan Pati. "A deterministic design approach of tilt integral derivative controller for integer and fractional-order system with time delay." *Engineering Research Express* 6.3 (2024): 035331. (SCOPUS, ESCI)
7. **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>
8. **Dakua, B. K.**, & Pati, B. B. (2024). PI $\lambda$ D $\mu$  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>
9. 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>
10. **Sonalika Mishra** et.al. Application of Enhanced Self Adaptive Virtual Inertial Control for Efficient Frequency Control of Renewable Energy Based Microgrid System Integrated with Electric Vehicles, *IEEE Access*. (SCI Indexed)

11. **Manoj Kumar Mahapatra et.al.** Study of Impurity Effect on Strongly Correlated Heavy Fermion System and to Explore Influence of the Interaction of Phonon with 'f' and 'd' Electrons on Resistivity a Small 'q' and Finite 'T' Analysis. AIP Conference Proceedings (Indexed by SCI and SCOPUS).

### **Book Chapters**

1. **Thakur, T.**, "Crisis of the Indian Intellectual," – Kishen Pattnaik's 'Bharatiya Buddhijibira Samasya.' *The Big Book of Odia Literature* (Penguin Random House). ISBN 978-0143463344
2. **Thakur, T.**, "Darkness" – Chandrasekhar Rath's 'Andhara.' *The Big Book of Odia Literature* (Penguin Random House). ISBN 978-0143463344
3. **Thakur, T.**, "Qualities of Literature," – Chandramohan Maharana's 'Sahityara Guna.' *The Big Book of Odia Literature* (Penguin Random House). ISBN 978-0143463344
4. **Thakur, T.**, "Adornment Welcoming Spring," – Radhanath Ray's 'Basakasajja.' *The Big Book of Odia Literature* (Penguin Random House). ISBN 978-0143463344
5. **Thakur, T.**, "Scripture of the Farmland," – Akhila Naik's 'Khetapurana.' *The Big Book of Odia Literature* (Penguin Random House). ISBN 978-0143463344
6. **Bag, S.** and Pati, U.C. Does Old Age Associate with Chronic Disease? A Geriatric Study. India's Elderly Issues and Perspectives, Cambridge Scholars Publishing. ISBN: 978-1-0364-5001-4. June 2025.
7. **Padhy, C.**, Jena, P.K., Paikray, S.K. A Study on Range and Kernel of Toeplitz and Hankel Operators on the Bergman Space. In: Mohiuddine, S.A., Das, A., Djordjević, D.S. (eds) Positive Operators and Fixed-Point Theorems with Applications. Industrial and Applied Mathematics. Springer, Singapore. [https://doi.org/10.1007/978-981-96-2476-8\\_8](https://doi.org/10.1007/978-981-96-2476-8_8).
8. Acharya, P.K., Mahapatra, P. P., **Padhy, C.**, Environmental Awareness Among Elderly People of Western Odisha, India's Elderly Issues and Perspectives, Cambridge Scholars Publishing. ISBN: 978-1-0364-5001-4. June 2025.
9. **Mishra, P., Mishra, S., Dakua, B. K.**, 'A comparison Between PIDD2 and PIDD $\alpha$  Controller for the performance enhancement of AVR system', in Smart Grid Security and Protection, ICSPER 2024, Vol: 1307, Springer, Singapore, [http://doi.org/10.1007/978-981-96-0824-9\\_27](http://doi.org/10.1007/978-981-96-0824-9_27), ISBN: 978-981-96-0824-9
10. **Nabin Kumar Naik et.al.** (2024). Identification, Classification, and Grading of Crops Grain Using Computer Intelligence Techniques: A Review. *Advanced Computational Methods for Agri-Business Sustainability*, 225-242. DOI: 10.4018/979-8-3693-3583-3.ch013.

### Conference Presentations

1. **Dr. Tyagraj Thakur** presented a paper titled “Embracing Difference: Translating Odia Literature to English through Transcreation” in the International Conference on ‘Translating Literatures of the Global South: Challenges, Questions and Debates’ organized by the PG Department of English, Utkal University, Bhubaneswar, Orissa from 18th to 20th July 2024.
2. **Dr. Mihir Hota** presented a paper titled "Co3O4/Ag coated optical fiber for acetone gas sensing" in the National Conference on Sensing and Technologies (NCST-2024) organised by IOP, Bhubaneswar for its golden Jubilee celebration from 27<sup>th</sup> to 29<sup>th</sup> November 2024 at Toshali Sands, Puri.
3. Three papers submitted by the 7<sup>th</sup> semester students (in collaboration with faculty members) have been presented in the “International Conference on Emerging Trends in Intelligent Computing Techniques” (ICETICT-2024) organised by DRIEMS University, Cuttack from 26<sup>th</sup> to 28<sup>th</sup> December 2024 and these have been accepted for publication as Conference Proceedings by Taylor & Francis. The details are as follows.

Name of the manuscript	Authors
A Literature Review of Mental Health Assessment Using Social Media Post for Depression	1. Chiranjeeb Das 2. Dibakar Pradhan 3. Rakesh Patel 4. Sohan Kumar Pande 5. Satyabrat Sahoo
Review of solar power generation forecasting using deep learning techniques	1. Somdev Behera 2. Gourav Kumar 3. Mahaveer Prasad Panigrahi 4. Sohan Kumar Pande 5. Satyabrat Sahoo
A Literature Review of Breast Cancer Prediction Models Using Machine Learning Techniques: A Comparative Analysis of Studies	1. Ria Satapathy 2. Prafful Pathak 3. Bhupinder Singh 4. Satyabrat Sahoo 5. Sohan Kumar Pande

4. **Dr. Simanchal Bag** presented on titled “Distress Migration beyond the Push-pull Hypothesis: A Subjective Assessment” at two days National Seminar on Development Challenges and Opportunities in Odisha, Organized by P.G. Dept. of Economics, Sambalpur University on 11th and 12th February 2025.
5. **Dr. Tyagraj Thakur** presented a paper titled “Oral Literature and Culture: Chinua Achebe’s Native Experience for a Global Readership” in the National Seminar on ‘Interdisciplinarity in Literary Studies’ organised by the P.G. Department of English, Sambalpur University, Jyoti Vihar, Burla, Sambalpur on 21st & 22nd February 2025.

6. **Dr. Tyagraj Thakur** presented a paper titled “The Space of Intimate Realities in Ben Okri’s The Famished Road” in the International Conference on ‘Reimagining Existence: Emerging Perspectives in World Literature and Language’ organised by the Department of English, School of Liberal Arts, XIM University, Bhubaneswar on 10th & 11th March 2025.
7. **Dr. Manas Ranjan Jena** presented a paper titled “Detection of water content in Biological tissues using He-Ne Laser and 1D photonic waveguide” in the national conference on Recent advancements on Electronics, Communication and Computing, paper at GIFT Autonomous, Bhubaneswar in association with IETE Bhubaneswar on 15<sup>th</sup> and 16<sup>th</sup> April 2025.

#### **INVITED TALKS**

1. **Dr. Sohan Kumar Pande** delivered a talk on “Renewable Energy Based Task Scheduling Algorithms for Vehicular Cloud” at ATAL Online Faculty Development Programme (FDP) on Futuristic Trends in Intelligent and Distributed Computing: Insights, Implementation and Applications organised by VSSUT, Burla 16-01-2025.
2. **Dr. Tyagraj Thakur** delivered an Invited Talk titled “Postcolonial Literature: A Bird’s-Eye View” at Government College, Koraput, Odisha on 20 December 2024

#### **PAPERS REVIEWED**

##### 1. **Dr. Sonalika Mishra**

- i. 3 papers on ‘Smart Power Control and Renewable Energy (ICSPCRE-2024)’ conference organized by NIT, ROURKELA
- ii. 3 papers for the International Conference on ‘Emerging Trend in Intelligent Computing Techniques’ organised by DRIEMS University Cuttack on 27-28 December 2024:
- iii. Reviewed a paper titled “Improvement of frequency stability in shipboard microgrids based on MPC-Reinforcement learning” for the Journal of Electrical and Computer Engineering, published by WILEY on 25th May 2025.

##### 2. **Dr. Biresh Kumar Dakua**

- i. "Fuzzy adaptive fractional order PD permanent magnet synchronous motor speed control based on torque compensation" Scientific Reports, Springer Nature
- ii. "DATA-DRIVEN SOC PREDICTION OF A LiPo BATTERY USING XGBOOST, LGBOOST & DECISION TREE" Paper ID: 92, International Conference On Emerging Trend in Intelligent Computing Techniques (ICETICT2024), DRIEMS University, India.

- iii. "Leveraging Deep Learning Techniques for User and Entity Behavior Analysis" Paper ID: 100, International Conference On Emerging Trend in Intelligent Computing Techniques (ICETICT2024), DRIEMS University, India.
- iv. "Intelligent-based Control and Measurement Techniques for Frequency Stability of Renewable Energy Integrated Systems: A Review " PRIME-D-24-01333R1 , E-Prime, Elsevier.
- v. PRIME-D-24-01333"Intelligent-based Control and Measurement Techniques for Frequency Stability of Renewable Energy Integrated Systems: A Review".

1. **Dr. Chinmayee Padhy**

Reviewed the following papers for the International Conference on Emerging Trends in Intelligent Computing Techniques organised by DRIEMS University Cuttack on 27-28 December 2024:

- i. 'Secureschool: Enhancing Student Safety With Technology' by Mr. Sampath Kini, Dr. D K Sreekantha, S Abishek, Samipthi Dinesh Nayak, Shaivi and Sharanya Shetty.
- ii. 'Effect of compression on floating ice-floe with an irregular porous seabed' by Dumesh Meher, Sagarika Khuntia, Manas Ranjan Sarangi.
- iii. 'Hypotheses to Industry: Mapping the Impact of Theoretical Discoveries on Applied Technologies' by Ganesh Malik, Tanushree Das, Bikram Keshari Das.
- iv. 'Numerical analysis of nanofluid MHD flow across an extended stretching sheet with slip and Darcy dissipation' by M. Mallick, S. Kar.

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

- 1. Dr.Sonalika Mishra attended SWAYAM NPTEL SPOC felicitation workshop (East Zone) at IIT Kharagpur research park, Kolkata, West Bengal on 24.08.2024.
- 2. Dr.Sonalika Mishra attended NPTEL E- AWARENESS workshop organized by IIT, Madras on 26.07.2024.
- 3. Mr.Nabin Kumar Naik attended NPTEL E- AWARENESS workshop organized by IIT, Madras on 02.08.2024.
- 4. Dr.Manas Ranjan Jena attended a One-Week Faculty Development Program on "AI/ML Solutions for Industry 4.0: Applications Spanning from Embedded Systems to VLSI Technology" at Silicon University, Bhubaneswar from 19<sup>th</sup> to 24<sup>th</sup> August 2024.
- 5. Dr. Tyagraj Thakur participated in a workshop on Creative Writing organised by Gangadhar Meher University, Sambalpur on 26th September 2024.
- 6. Dr. Tyagraj Thakur participated in Sushree Suprabha Mishra Memorial Literary Meet organised by Society for Education, Tradition and Unity (SETU), Sambalpur on 22<sup>nd</sup> September 2024.
- 7. Dr.Sonalika Mishra attended "ATAL FDP on "Emerging Trends on Advanced Protection Control and Energy Management in Microgrid" (ETAPCEMM-2024)

organised by Department of Electrical Engineering, VSSUT, Burla from 23rd to 28th Sept 2024.

8. Dr. Simanchal Bag attended an FDP on Entrepreneurship Development organised by Silicon University, Bhubaneswar from 13th to 25th January 2025.
9. Dr. Chinmayee Padhy attended a workshop on 'Latest Developments in Scientific Publishing Landscape & Publishing Ethics' organised by Elsevier in collaboration with OSHEC on 21st November 2024.
10. Dr. Simanchal Bag attended a webinar on "Digital Transformation for Sustainability-oriented Innovation" hosted by Economic Growth and Welfare (EGROW) on 8th November 2024.
11. Dr. Sohan Kumar Pande participated in an FDP on Transforming Innovations into Reality for Future science and Engineering (TIRFSE 2K24) organized by Department of Applied Science & Humanities, Haldia Institute of Technology, Haldia in association with Indian JSPS (Japan Society for the Promotion) Alumni Association (IJAA) & Department of Physics, Mohanlal Sukhadia University, Udaipur from 4th to 8th November 2024.
12. Mr. Bijaya Shankar Tripathy participated in an FDP on Transforming Innovations into Reality for Future science and Engineering (TIRFSE 2K24) organized by Department of Applied Science & Humanities, Haldia Institute of Technology, Haldia in association with Indian JSPS (Japan Society for the Promotion) Alumni Association (IJAA) & Department of Physics, Mohanlal Sukhadia University, Udaipur from 4th to 8th November 2024.
13. Dr. Sohan Kumar Pande, Mr. Bijaya Shankar Tripathy and Ms. Suriya Praba Devi G participated in an FDP on Transforming Innovations into Reality for Future science and Engineering (TIRFSE 2K24) organized by Department of Applied Science & Humanities, Haldia Institute of Technology, Haldia in association with Indian JSPS (Japan Society for the Promotion) Alumni Association (IJAA) & Department of Physics, Mohanlal Sukhadia University, Udaipur from 4th to 8th November 2024.
14. Ms. Suriya Praba Devi G participated in an FDP on Transforming Innovations into Reality for Future science and Engineering (TIRFSE 2K24) organized by Department of Applied Science & Humanities, Haldia Institute of Technology, Haldia in association with Indian JSPS (Japan Society for the Promotion) Alumni Association (IJAA) & Department of Physics, Mohanlal Sukhadia University, Udaipur from 4th to 8th November 2024.
15. Ms. Tapaswini Dash attended an Online FDP on IoT -Edge -Fog- Cloud Computing Organized by E&ICT Academy & Department of CSE, NIT, Warangal from 4th to 15th November 2024.

16. Dr. Chinmayee Padhy attended a workshop on 'Latest Developments in Scientific Publishing Landscape & Publishing Ethics' organised by Elsevier in collaboration with OSHEC on 21st November 2024.
17. Dr. Simanchal Bag attended a webinar on "Digital Transformation for Sustainability-oriented Innovation" hosted by Economic Growth and Welfare (EGROW) on 8th November 2024.
18. Dr. Tyagraj Thakur participated in Sushree Suprabha Mishra Memorial Literary Meet organised by Society for Education, Tradition and Unity (SETU), Sambalpur on 22nd September 2024.
19. Dr. Sohan Kumar Pande participated in ATAL Online Faculty Development Programme (FDP) on Futuristic Trends in Intelligent and Distributed Computing: Insights, Implementation and Applications organised by VSSUT, Burla from 16/01/2025 to 22/01/2025.
20. Mr. Bijaya Shankar Tripathy participated in 1week Faculty Development Programme (FDP) on "Flexible and plant Werable Sensor Design for Smart and Precision Pharming " organized by NIT Agartala, in collaboration with the Skill India and AICTE from 03/02/2025 to 08/02/2025.
21. Mr. Bijaya Shankar Tripathy participated in 1 week FDP on "AI for Science & Engineering" organized by NIT Nagaland, in collaboration with the Skill India and AICTE from 17.02.25 to 22.02.25.
22. Mr. Bijaya Shankar Tripathy participated in 1 week FDP on "Smart Communication in IOT Security and Feature Application" organized by St. Joseph college Of Engineering in collaboration with skill india and AICTE from 24.02.25 to 01.03.25.
23. Mrs. Snehanjali Pradhan participated in 1 week FDP on "Sensors and their Applications" organised by St. Mother Theresa Engg. College in collaboration with Skill India and AICTE from 17.02.2025 to 22.02.2025.
24. Mrs. Snehanjali Pradhan participated in 1 week FDP on "Securing the Digital Future with Post- Quantum Cryptography " organised by GIET University, in collaboration with the Skill India and AICTE from 03.02.2025 to 08.02.2025.
25. Mrs. Suriya Praba Devi G. participated and completed ATAL online Faculty Development Programme (FDP) on Futuristic Trends in Intelligent and Distributed Computing: Insights, Implementation and Applications organised by VSSUT, Burla from 16/01/2025 to 22/01/2025.
26. Mrs. Tapaswini Dash participated and completed ATAL Online Faculty Development Programme (FDP) on Futuristic Trends in Intelligent and Distributed Computing: Insights,

Implementation and Applications organised by VSSUT, Burla from 16/01/2025 to 22/01/2025.

27. Dr. Sonalika Mishra participated & completed ATAL Online Faculty Development Program on Mitigating Climate Change Through Sustainable Electrical Engineering Solutions At Parala Maharaja Engineering College from 20/01/2025 to 25/01/2025.
28. Dr. Nabin Kumar Naik participated in two-week FDP on “Application of Artificial Intelligence in computer science, Electronics and Electrical engineering” organized by SUIIT, Sambalpur University, from 24/02/2025 to 07/03/2025.
29. Dr. Manas Ranjan Jena attended a One-Week Faculty Development Program on “Effective Teaching” at NITTTR Bhubaneswar from 26th to 30th May 2025.

### SESSION CHAIRED

1. **Dr. Tyagraj Thakur** chaired a session in the National Seminar on “Rethinking Vulnerability, Re-understanding Resistance; Perspectives from Language, Literature, and Culture” organised by Department of English, Maa Manikeshwari University (erstwhile Kalahandi University), Bhawanipatna on 24th December 2024

### LIBRARY RESOURCES

Sl. No	Types of Books/Journals	Titles Added	Total Title	Volumes Added	Total Volume
1	Library	08	3784	08	16545
2	Book Bank	0	198	0	5410
3	National & International Journals			11	
4	Technical Magazines			3	
5	General Magazines			10	
6	E-Journal			Access through Knimbus	

### WORKSHOPS/FDPs ORGANISED

- An NPTEL awareness E-Workshop was organized by IIT-Madras on 26-Jul-2024 at 10:00 AM, in association with Silicon Institute of Technology, Sambalpur, Odisha & Shivlingeshwar College of Pharmacy, Latur, Maharashtra. The Dean (Academics) Prof. (Dr.) Mihir Hota and

SPOC Dr. Sonalika Mishra joined the event through the shared Zoom link. Prof. Hota reflected on the benefits of NPTEL courses and achievements of Silicon-West students and faculties in the certification courses offered by various IITs under NPTEL. Dr. Sonalika presented the impact of NPTEL Local Chapter on Silicon-West and finally gave the formal vote of thanks. The faculties and students joined the workshop through YouTube live streaming.

### **STUDENTS' PARTICIPATION IN HACKATHON**

1. Mr. Mahaveer Prasad Panigrahi, Mr. Somdev Behera, Mr. Gourav Kumar and Ms. Muskan Kumari from 7<sup>th</sup> semester, CSE participated in **Skiitech Innothon** organized by **Shivajirao Kadam Group of Institutions, Indore** from 31<sup>st</sup> August to 2<sup>nd</sup> September 2024.
2. Ms. Simran Choudhary, Ms. Bhumi Sarkar and Mr. Roshan Kumar from 5<sup>th</sup> semester CSE participated in **Hardware 3.0** organized by **University of Petroleum and Energy Studies, Dehradun** from 23<sup>rd</sup> September to 24<sup>th</sup> September 2024.

3. A total of 17 students from Robotics Club and Codigo Plataforma (Coding Club) participated in the **Project Exhibition 2024** organized by the **Biju Patnaik University of Technology (BPUT), Odisha** at GIET, Bhubaneswar on 24 December 2024. Students presented their innovative projects, each aimed at a more sustainable society through technology.



#### **Project Highlights:**

- i. Smart bio reactor
  - ii. Smart fog detector and water harvester
  - iii. Eco city
  - iv. SolarSync: Design and implementation of Arduino based solar tracking system
  - v. Soil health monitoring system
  - vi. Renewable energy optimization application
4. Team Silicon Sambalpur bagged **2nd Position** in **'Tech Expo 2025' at VSSUT, Burla**. Four of our students from the 'Robotics Club' namely, Mr.



Satyanarjan Nayak, Mr. Ashmit Singh, Mr. Sumit Kumar and Mr. Divyanshu Singh participated in 'Tech Expo 2025' organized by the Veer Surendra Sai University of Technology (VSSUT), Burla from 20th to 22nd February 2025. The students concerned presented a project titled "Smart Renewable Energy Optimization System" which aims to achieve a sustainable future while empowering homeowners to optimize energy use, reduce electricity bills and maximize the use of solar power. With its innovative insights for a sustainable future, Team Silicon Sambalpur bagged the 2nd position.

5. The following student from CSE participated in **Code Relay 3.0, Hackathon at IIT Bhubaneswar**, on 14-02-2025.

- a. Kunal Sanga (2nd ye-ar)
- b. Soumili Ghosh (2nd year)
- c. Mugdha Naik (2nd year)
- d. Sunny K. Sebu (2nd year)

6. The following student from CSE participated in **ECO hackathon TECHNEX'25** (The Annual Techno Management fest) at IIT(BHU),Varanasi, on 28 Feb 2025.

- a. Satya Ranjan Nayak(2nd year)
- b. Asmit Singh (2nd year))
- c. Sumit Kumar (2nd year)

7. Coding club of Silicon west:Codigo Plataforma organized Project Expo at SIT West campus with the association of Robotics club of silicon west and ISTE student chapter and IIC cell on 22-02-2025. 15 groups have demonstrated their projects at the event. Out of these projects 9 teams have been seleted for final presentation on 15-03-2025. The final round will be evaluated by the extnela jury members. The participated group details are as follows.

	<b>Team</b>	<b>Software</b>
1.	Codex	Chaitanya Sahu
		Yudhishtir magar
		Jagakalia Meher
2.	Team Code World	Khushi kumari
		Swayamsiddha hota
3.	Webweaver	Shubhashree Panda
		Pooja Mishra
4.	Data Destructor	Subham Panigrahi
		Omm Prakash Satpathy
		Sarthak Priyadarshan Nayak
5.	Digi-Dine	Oshan Khati
		Arpita Soni

		Kritika Hianl
6.	Cyborg	Alok Giri
		Divyanshu kumar
		Priyanshu Kumar
7.	Data encoder	Nirjharini Mallick
		Soumya Sulagna Biswal
		Srijita Sen
8.	Team Ninjas	Sourav
		Ashish Kumar
		Ayush Tripathy

	Team	Software and Hardware
9.	Code tempers	Shivanshu Barik
		Nikhil kumar
		Rahul Kumar Verma
10.	Techy guys	Sawan Kumar mahto
		Dwitikrishna Sahoo
11.	Team RABRO	ABHISHEK RANJAN
		SEETANSU
		GOURANG MAHAPATRA
12.	Vysor	Agnesh Sahu
		Shivam Kumar
		Om Rudraprasanna Mohanty
13.	Team hydra	Sovan kumar jena
		Abhas jain
14.	Fusion trio	Sreejan Dora
		Md Erbaz khan
		Sneha Routray
15.	AquaSonics	Rishi Raj
		Subhrajit Behera
		Sk Aasim Farhan



### 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



### Students' Enrolment for January-April 2025 Session

	<b>College Roll Number</b>	<b>Name</b>	<b>CourseName</b>
1	24bcsn55	Khushi Kumari	Programming In Java
2	23BCSN58	Abhishek Pandey	Advanced Computer Architecture
3	23BCSN58	Abhishek Pandey	Cloud Computing
4	23BCSN58	Abhishek Pandey	Computer Networks And Internet Protocol
5	23BCSN58	Abhishek Pandey	Data Base Management System
6	23BCSN58	Abhishek Pandey	Introduction To Internet Of Things
7	23BCSN58	Abhishek Pandey	Programming In Java
8	2301341039	Om Prasad Nayak	Programming In Java
9	2301341071	Varsha kumari	Python for Data Science
10	2301341069	Sunny K Sebu	Cloud Computing
11	2301341062	Subham Panigrahi	Programming In Java
12	2301341048	Sarthak priyadarshan Nayak	Programming In Java
13	2301341019	Ayushman agrawala	Python for Data Science
14	23BCSN44	Anand kumar	Programming In Java
15	23bcsn47	Kritika rai	Computer Networks And Internet Protocol
16	23bcsn47	Kritika rai	Fundamental Algorithms: Design and Analysis
17	23bcsn47	Kritika rai	Introduction to Database Systems
18	23bcsn47	Kritika rai	Programming, Data Structures And Algorithms Using Python
19	23bcsn47	Kritika rai	Python for Data Science
20	2301341002	Bikasisht samal	Introduction to Civil Engineering Profession
21	2301341082	Soumya Ranjan swain	Fundamentals of Automotive Systems
22	2301341082	Soumya Ranjan swain	Basics of Mechanical Engineering - 2
23	2301341082	Soumya Ranjan swain	Design of Mechanical Transmission Systems
24	24BCSN13	Areen Nayak	Programming in Modern C++
25	23bcsn65	Aryan kumar singh	Data Base Management System
26	23bcsn65	Aryan kumar singh	Introduction to Machine Learning
27	23bcsn69	Ramjee Prasad	Programming In Java
28	23bcsn22	Ayshi Shannidhya Panda	Programming In Java
29	2301341016	AVEE RANJAN	Programming In Java
30	2201341037	Riya Kumari	Cloud Computing
31	24bcsn08	Ayush	Advanced Engineering Mathematics
32	23BCSB88	Ayushi Singh	Introduction to Machine Learning
33	23bcsn36	Bivan Jena	Linear programming and its applications to computer science

34	23bcn36	Bivan Jena	Real Time Operating System
35	23BCSN06	Dibya Sankar Sahu	Programming In Java
36	2321341004	Himanshu singh	Data Science for Engineers
37	2301341009	Ambrish Acharya	Python for Data Science
38	24BCSN39	Isha Ranjan	Introduction to Machine Learning
39	24BCSN39	Isha Ranjan	Machine Learning for Engineering and science applications
40	24BCSN39	Isha Ranjan	Machine Learning, ML
41	24BCSN39	Isha Ranjan	Object Oriented System Development Using UML, Java And Patterns
42	24BCSN39	Isha Ranjan	Problem Solving Through Programming In C
43	24BCSN39	Isha Ranjan	Programming In Java
44	24BCSN39	Isha Ranjan	Legal Compliance for Incorporating Startup
45	24BCSN39	Isha Ranjan	AI in Marketing
46	2301341063	Subhranshu Kabi	Programming In Java
47	24BCSN51	Kritikant Sandilya	Artificial Intelligence: Knowledge Representation And Reasoning
48	24BCSN51	Kritikant Sandilya	Computer Networks And Internet Protocol
49	23BCSN76	Kshitiz Naik	Cloud Computing
50	23BCSN71	Sujeet Kumar	Programming In Java
51	2301341031	kunal sanga	Programming In Java
52	23BCSN75	LILU SETHI	Matlab Programming for Numerical Computation
53	23BCSN75	LILU SETHI	Advanced Computer Architecture
54	23BCSN75	LILU SETHI	Advanced Computer Networks
55	23BCSN75	LILU SETHI	Advanced Graph Theory
56	23BCSN75	LILU SETHI	Affective Computing
57	23BCSN75	LILU SETHI	AI:Constraint Satisfaction
58	23BCSN75	LILU SETHI	Algorithms in Computational Biology and Sequence Analysis
59	23BCSN75	LILU SETHI	Artificial Intelligence: Knowledge Representation And Reasoning
60	23BCSN75	LILU SETHI	Blockchain and its Applications
61	23BCSN75	LILU SETHI	Business Intelligence & Analytics
62	23BCSN75	LILU SETHI	Circuit Complexity Theory
63	23BCSN75	LILU SETHI	Cloud Computing
64	23BCSN75	LILU SETHI	Cloud Computing and Distributed Systems
65	23BCSN75	LILU SETHI	Compiler Design
66	23BCSN75	LILU SETHI	Computational Number Theory and Algebra
67	23BCSN75	LILU SETHI	Computer Networks And Internet Protocol
68	23BCSN75	LILU SETHI	Cryptography and Network Security
69	23BCSN75	LILU SETHI	Data Analytics with Python
70	23BCSN75	LILU SETHI	Data Base Management System
71	23BCSN75	LILU SETHI	Data Mining
72	23BCSN75	LILU SETHI	Data Science for Engineers
73	23BCSN75	LILU SETHI	Deep Learning - IIT Ropar
74	23BCSN75	LILU SETHI	Deep Learning for Natural Language Processing

75	23BCSN75	LILU SETHI	Design and analysis of algorithms
76	23BCSN75	LILU SETHI	Design and Engineering of Computer Systems
77	23BCSN75	LILU SETHI	Digital Design with Verilog
78	23BCSN75	LILU SETHI	Discrete Mathematics
79	23BCSN75	LILU SETHI	Discrete Mathematics for CS
80	23BCSN75	LILU SETHI	Edge Computing
81	23BCSN75	LILU SETHI	Embedded System Design with ARM
82	23BCSN75	LILU SETHI	Foundations of Cyber Physical Systems
83	23BCSN75	LILU SETHI	Fundamental Algorithms: Design and Analysis
84	23BCSN75	LILU SETHI	Fundamentals of Object Oriented Programming
85	23BCSN75	LILU SETHI	Games and Information
86	23BCSN75	LILU SETHI	Getting Started with Competitive Programming
87	23BCSN75	LILU SETHI	GPU Architectures and Programming
88	23BCSN75	LILU SETHI	Human Computer Interaction (In English)
89	23BCSN75	LILU SETHI	Information Security - 5 - Secure Systems Engineering
90	23BCSN75	LILU SETHI	Introduction to Database Systems
91	23BCSN75	LILU SETHI	Introduction to Embedded System Design
92	23BCSN75	LILU SETHI	Introduction To Haskell Programming
93	23BCSN75	LILU SETHI	Introduction To Industry 4.0 And Industrial Internet Of Things
94	23BCSN75	LILU SETHI	Introduction To Internet Of Things
95	23BCSN75	LILU SETHI	Introduction to Large Language Models (LLMs)
96	23BCSN75	LILU SETHI	Introduction to Machine Learning
97	23BCSN75	LILU SETHI	Machine Learning for Engineering and science applications
98	23BCSN75	LILU SETHI	Machine Learning, ML
99	23BCSN75	LILU SETHI	Natural Language Processing
100	23BCSN75	LILU SETHI	Object Oriented System Development Using UML, Java And Patterns
101	23BCSN75	LILU SETHI	Optimisation for Machine Learning: Theory and Implementation (Hindi)
102	23BCSN75	LILU SETHI	Parallel Computer Architecture
103	23BCSN75	LILU SETHI	Practical High-Performance Computing
104	23BCSN75	LILU SETHI	Problem Solving Through Programming In C
105	23BCSN75	LILU SETHI	Programming in Modern C++
106	23BCSN75	LILU SETHI	Programming, Data Structures And Algorithms Using Python
107	23BCSN75	LILU SETHI	Python for Data Science
108	23BCSN75	LILU SETHI	Quantum Algorithms and Cryptography
109	23BCSN75	LILU SETHI	Reinforcement Learning
110	23BCSN75	LILU SETHI	Secure Computation: Part I
111	23BCSN75	LILU SETHI	Selected Topics in Algorithms
112	23BCSN75	LILU SETHI	Social Networks
113	23BCSN75	LILU SETHI	Software Testing

114	23BCSN75	LILU SETHI	Switching Circuits and Logic Design
115	23BCSN75	LILU SETHI	Systems and Usable Security
116	23BCSN75	LILU SETHI	The Joy of Computing using Python
117	23BCSN75	LILU SETHI	Theory of Computation
118	23BCSN75	LILU SETHI	User-centric Computing For Human-Computer Interaction
119	23BCSN75	LILU SETHI	VLSI Physical Design
120	23BCSN75	LILU SETHI	Wireless Ad Hoc and Sensor Networks
121	23BCSN75	LILU SETHI	Foundation of Cloud IoT Edge ML
122	23BCSN75	LILU SETHI	Large Applications Practicum
123	23BCSN75	LILU SETHI	Linear programming and its applications to computer science
124	23BCSN75	LILU SETHI	Real Time Operating System
125	23BCSN75	LILU SETHI	Computer Vision And Image Processing – Fundamentals And Applications
126	23BCSN57	Sourav	Programming In Java
127	2301341060	Spandan Kumar Rath	Programming In Java
128	23bcsn05	Mugdha Naik	Cloud Computing
129	2301341038	Nancy kumari	Programming In Java
130	23bcsn14	Omm Prakash Satapathy	Programming In Java
131	23BCSN56	OSHAN KHATI	Cloud Computing
132	23BCSN56	OSHAN KHATI	Cryptography and Network Security
133	24mmce16	Alisha Panda	Programming in Modern C++
134	24BCSN21	Rakesh Barik	Problem Solving Through Programming In C
135	2201341036	Rittik Mishra	Programming In Java
136	06	Riya Sah	Data Science for Engineers
137	24bcsn34	Rishi Raj	Programming In Java
138	23BCSN72	Satya Ranjan Nayak	Introduction to Machine Learning
139	23BCSN72	Satya Ranjan Nayak	The Joy of Computing using Python
140	23BCSN39	Saurav Kumar	Programming In Java
141	2301341052	Shakti swarup otta	Programming In Java
142	24bcsn27	Swayamsiddha Hota	Programming In Java
143	2301341008	Aman kumar singh	Python for Data Science
144	23bcsn20	Ashish Singh	Programming In Java
145	24BCSN31	Sk Aasim Farhan	Programming, Data Structures And Algorithms Using Python
146	23BCSN61	Arpita Soni	Cloud Computing
147	23BCSN61	Arpita Soni	Cryptography and Network Security
148	23BCSN60	Asmita Soni	Programming In Java
149	23bcsn07	Soumili Ghosh	Programming In Java

150	2301341061	Srishti Kumari	Cloud Computing
151	24bcsn32	Subhrajit Behera	Programming In Java
152	2321341007	Suratha Kumar Panda	Design of Mechanical Transmission Systems
153	2301341070	Tanya Kumari	Python for Data Science
154	2301341070	Tanya Kumari	Computer Networks And Internet Protocol
155	2301341070	Tanya Kumari	Data Base Management System
156	2301341070	Tanya Kumari	Design and analysis of algorithms
157	2301341070	Tanya Kumari	Python for Data Science
158	23BCSN59	Ayush Tripathy	Cloud Computing
159	23BCSN59	Ayush Tripathy	Data Base Management System
160	22BELN19	Yashraj singh	Data Analytics with Python
161	22BELN19	Yashraj singh	Data Science for Engineers

### Faculty Enrolment for January-April 2025 Session

Sl. No	Name of Faculty	Course Opted
1	Bijaya Shankar Tripathy	Advanced Computer Networks
2		Python for Data Science
3		Fuzzy Sets, Logic and Systems & Applications
4		State space Approach to Control System Analysis and Design
5	Dr. Manas ranjan Jena	Artificial Intelligence: Knowledge Representation And Reasoning
6		Cryptography and Network Security
7		Introduction to Machine Learning
8		Machine Learning, ML
9		Evolution of Air Interface towards 5G
10		Enabling Technologies for 6G Communications Networks (Hindi)
11	Snehanjali Pradhan	Compiler Design
12	Dr. Sohan Kumar Pande	Edge Computing

- Five students from the CSE received '**Elite**' certificate for securing more than 60% marks.
- Dr. Manas Ranjan Jena**, Assistant Prof. in the Department of ECE has received '**Elite**' certificate for completing the course titled 'Introduction to Internet of Things' with 61% marks.

### NEWS & EVENTS

#### Celebration of 78th Independence Day

The 78<sup>th</sup> Independence Day was celebrated on 15<sup>th</sup> August 2024. Dr. Mihir Hota, Professor & Dean unfurled and hoisted the National Flag, and it was followed by singing the National Anthem and march-past by students. Prof. Hota in his address reflected upon the sacrifices by our freedom fighters that led the nation achieve the long cherished mission of Independence. Moreover, he zeroed in on the role of students, especially the future technocrats in the mission



of nation building. The Dean's address was followed by cultural performances by students such as group song, group dance, human tower formation etc.

### **Alumni Talk**

An Alumni Talk by Mr. Mihir Jha was organised by the Industry Interface Cell on 17<sup>th</sup> August 2024. Mihir, after graduating with B.Tech in Electrical Engineering from Silicon Sambalpur in 2015 got into his Edupreneurship journey where he partnered with an organisation as well as trained students for higher studies.



Subsequently, he pursued his Master's Degree in Business Analytics from Schulich School of Business in York University, Canada. With nine years in business and technology, Mihir specialises in driving data-backed decisions. As a Specialist in Supplier Relationship Management at Toronto Pearson Airport Authority, he conducts pricing analyses to reduce costs and support multi-million-dollar projects. In previous roles, he enhanced operational efficiency using machine learning predictive models, leading to significant savings. His skills also include developing models for demand forecasting and creating BI dashboards to aid executive decisions. Passionate about building in education, he runs a podcast on his YouTube channel, The NextGrad Show, providing valuable mentorship to students and professionals.

In his virtual talk Mihir reflected on his journey as well as the relevance of career building through strengthening the foundations, honing the hard-skills and grooming on soft-skills. Moreover, he emphasised the element of building professional network for greater exposure to the business world.

### **16<sup>th</sup>Orientation Programme**

The 16<sup>th</sup> Orientation Programme for the Batch 2024-28 was organised on 30<sup>th</sup> August 2024. Prof. Mihir Hota, Dean Academic delivered the welcome address and while thanking the newly admitted students and their parents/guardians for choosing Silicon Institute of Technology, Sambalpur for higher education he reflected on how the



next four years of academic journey could be rewarding. Prof. Pradeep Kumar Mishra, Former Director and Present GB Member of Silicon Sambalpur graced the occasion as the Chief Guest and offered his insightful deliberation. Dr. Manoj Kumar Mahapatra, FIC-Academic oriented the audience to the academic rules and regulation. Subsequently, Mr. Nabin Kumar Naik, FIC-Residence while reflecting on 'Home Away from Home' emphasised the residence discipline. Dr. Chinmayee Padhy, FIC-ERP delivered a live demonstration of the ERP system and how it would be an interface for the academic as well as administrative transactions of the students during their stay. Dr. Simanchal Bag, FIC-SSC introduced all the HoDs, FICs and SPOCs to the audience and Ms. Sagarika Pradhan, FIC-FA reflected on the role of Faculty Advisors in students' life at Silicon. This was

followed by an interactive session and Vote of Thanks. The programme was compered by Dr. Sonalika Mishra, Assistant Professor of EE. In the post lunch session Ms. Sagarika Pradhan, FA-FIC facilitated an Interactive Session between students and their parents/guardians with the respective Faculty Advisors.

### **Induction Programme (01-14 September 2024)**

The induction programme for the batch 2024-28 was organised for two weeks from 1<sup>st</sup> to 14<sup>th</sup> September 2024. The first week included a bridge course where students were introduced to the basics of all the subjects offered in the first year of engineering with a view to connecting them to the studies they had during their higher secondary education. The second week comprised a series of invited talks and activities.



The invited talks were delivered by Dr. Smrutiranjana Mohapatra, Assistant Professor of Mathematics, VSSUT, Burla (09/09/24), Dr. Satyabrata Das, Associate Professor of Computer Science & Engineering, VSSUT, Burla (10/09/24), Dr. Prasanna Kumar Mishra, Former Reader in Physics, GM University, Sambalpur (11/09/24), Dr. Sourav Kanti Addya, Assistant Professor of Computer Science, NIT, Karnataka, Surathkal (virtually on 12/09/24), The Brahmakumaris from Pavan Sarovar, Sambalpur (13/09/24) and Dr. S.K. Paikray, Professor of Mathematics, VSSUT, Burla. Similarly, Mr. Manglesh Kumar Ranjan, Batch 2017-21, Former Software Developer (TCS Digital), Founder of CitiKeeper and Post Graduate Student at IIM-Sambalpur delivered an Alumni Talk on 10<sup>th</sup> September 2024. Moreover, two graduates from the batch 2019-23 namely Mr. Aniket Shukla (Research Development Engineer, Synopsys, Bhubaneswar) and Mr. Gourish Bhagat (Software Developer, Cozentus, Bhubaneswar).



During the induction week, Shades of Silicon (Students' Art Club) organised an Ice-Breaker Session on 9<sup>th</sup> September 2024. Similarly, the Club Orientation cum Hands-on session by the Robotics Club was organised on 11<sup>th</sup> September followed by a Quiz Competition by the Quiz Club on 12<sup>th</sup> September 2024. The Club Orientation by Codigo Plataforma (Students' Coding Club) was organised on 13<sup>th</sup> September 2024.

### **Welcome Ceremony**

Aagman 2024 - The Welcome Ceremony hosted by students of 3<sup>rd</sup> Semester for the 1<sup>st</sup> semester was organised on 21<sup>st</sup> September 2024. Prof. Mihir Hota, Dean Academic offered the welcome address which was followed by a series of fun games and cultural renditions by students. At the end of the event Ms. Subhashree Panda and Mr. Krishna Kumar Mohanta were adjudged Ms. Fresher and Mr. Fresher respectively. The jury comprised three members of faculty namely, Dr. Chinmayee Padhy, Dr. Sonalika Mishra and Dr. Sohan Kumar Pande.

## CCC Orientation

The Campus Coordination Committee (CCC) organised its orientation for the newly admitted students for the batch 2024-28 on 23<sup>rd</sup> September 2024. The CCC which regularly contributes to the campus life of the residents by organising a wide range of activities choose the four coordinators from the newly admitted batch.

## Posterpreneur 2024

The Entrepreneurship Development Cell (EDC) in collaboration with the Institution's Innovation Council (IIC) organised a poster presentation programme titled 'Posterpreneur 2024' on 28th September 2024. A total of 19 students presented their posters on the following themes.



1. Identification of opportunity/Idea generation
2. Entrepreneurship and Economic Development
3. Business Start up
4. Innovation and Technological Entrepreneurship
5. Entrepreneur and Government Support

Dr. Uma Charan Pati, Reader & Head, Department of Economics and Deputy Registrar, Gangadhar Meher University, Sambalpur graced the occasion as the Chief Guest and External Member of the Jury. The results are as follows.

Winner	:	Swayambhuba Sahu
First Runner-up	:	Deepika Rout
Second Runner-up	:	Aarkriti Priya Pandit

## Science Outreach Programme

A Science Outreach Programme was organised on campus in collaboration with the Institute of Physics (IoP), Bhubaneswar on 4th October 2024. The Resource Persons of this programme were Prof. K.K. Nanda, Director, IoP, Dr. S.N. Sarangi, Scientist, IoP and Dr. K.C. Patra, Scientist, IoP. All the resource persons reflected on the recent trends in scientific and technological research and how the students can contribute to the domain of knowledge creation by joining research for their career.



## Alumni Talk

An Alumni Talk by students from the batch 2019-23 was organised on 10<sup>th</sup> March 2025. The alumni concerned namely Mr. Ayush Dubey, Mr. Siddharth



Priyadarshi and Mr. Sahil Jain reflected on their academic journey on campus and their learnings from the industry in the last two years of their Stay. Similarly an interactive session with alumni from the batch 2018-2022 was organised on 27<sup>th</sup> February 2025 was organised where the alumni concerned namely, Mr. Snighdhanjali Pradhan, Ms. Swetashree Sahu and Ms. Kanchan Singh reflected on their experiences in the industry.

## The Silicon Tech Expo 2025

The Silicon Tech Expo jointly organised by Codigo Platforma (coding club) and the Robotics Club of the institute, supported by the Indian Society for Technical Education (ISTE) and the Institute's Innovation Council (IIC) came to a closure with the Finale held in the institute premises on 14 March 2025.

Dr. Sidhartha Panda, Professor & Dean, School of Electrical Sciences, VSSUT, Burla graced the occasion as the Chief Guest and Invited Member of the Jury.



Similarly, Dr. Sanjib Kumar Nayak and Dr. Atul Vikas Lakra, both Assistant Professors in the Department of CSE, VSSUT, Burla graced the occasion as Guests of Honour and Invited Members of the Jury. A total of 10 finalist teams presented their real time innovative projects before the panel, and after a thorough evaluation and insightful interactions, the following teams were adjudged winners.

### 1st Position - Team Silicon

Mr. Satya Ranjan Naik

Mr. Ashmit Singh

Mr. Sumit Kumar

### 2nd Position - Team Hydra

Mr. Sovan Kumar Jena

Mr. Abhas Jain



### 3rd Position - Team WebWeavers

Ms. Shubhashree Panda

Ms. Pooja Mishra

### Model United Nations 2025

The Literary Club of the institute organised the Model United Nations 2025 on 8th March 2025 where students as delegates of 25 different nations reflected and debated on the following agenda of geopolitical interest and relevance.

1. Preparing for Future Pandemics: Strengthening Global Health Systems
2. Data Privacy and Digital Sovereignty in the Age of AI
3. Space Governance and the Militarization of Outer Space
4. Managing the Economic Fallout of Geopolitical Conflicts
5. World Peace: Ending today's conflicts to build a peaceful tomorrow
6. Achieving Carbon Neutrality by a Global Cooperation Framework
7. Addressing the Global Refugee and Migration Crisis
8. Balancing Peaceful Use and Security in Nuclear Technology Development



**Mr. Binayaka Mishra (Odisha Information Service)**, Public Relations Officer - Panchayati Raj & Drinking Water Department and Rural Development Department, Government of Odisha was the Chief Guest of the occasion and Invited Member of the Jury. The programme unfolded in three rounds namely, Briefing the House, Open House and Jury's

Shoot.

Prof. Mihir Hota, Dean Academic welcomed the Chief Guest and the delegates, and shared his words of encouragement and appreciation in the inaugural session. Mr. Binayaka Mishra reflected upon the need for such deliberations which can develop critical thinking in students. The Jury comprising Mr. Binayaka Mishra, Dr. Sonakila Mishra, Assistant Professor of



Electrical Engineering, SIT Sambalpur and Dr. Simanchal Bag, Assistant Professor of Economics, SIT Sambalpur engaged with the deliberations. Moreover, the affairs of the house were conducted by Mr. Somdev Behera (8th Semester, CSE) and Mr. Amlan Abhijit Mishra (6th Semester, CSE) in the capacity of Secretary General and Honourable Chair of MUN 2025.

After the day's deliberations, debates and reflections Mr. Sourav from 4th Semester, CSE representing China was adjudged the Best Delegate of MUN 2025. 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 deliberations the Chief Guest shared his impressions. Similarly, Mr. Somdev Behera offered his note of appreciation and gratitude to all the delegates, jury and the organising team. Eventually, Dr. Tyagraj Thakur, Senior Assistant Professor of English and Faculty in Charge, Literary Club proposed the Vote of Thanks.

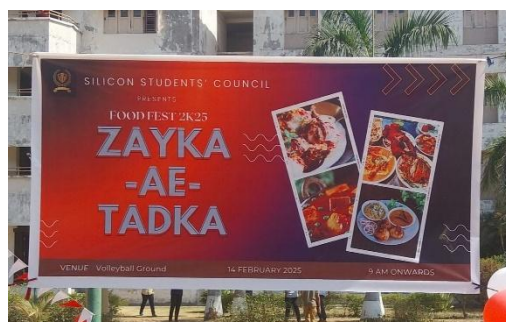
### **Litterateur of the Fall 2025**

The literary club organised the Litterateur of the Fall 2025 on 01 March 2025. Prof. Kalidas Misra, Former Professor of English, Sambalpur University graced the occasion as the Chief Guest and External Member of the Jury. Ten students shortlisted from a creative writing held on 24<sup>th</sup> March 2025 participated in the Finale on 01<sup>st</sup> March which comprised three rounds testing their critical appreciation of poetry, performance on dramatic soliloquies and oration. At the end of the event Ms. Riya Raj from 2<sup>nd</sup> Semester, CSE was adjudged the winner and recipient of title "Litterateur of the Fall 2025."



### **Zayka-Ae-Tadka 2025**

Zayka-Ae-Tadka 2025, the annual Food Festival of the institute was held on 14<sup>th</sup> February 2025 where 18 teams of students participated and showcased their culinary skills. The team of jury comprising Dr. Sohan Pande, Dr. Chinmayee Padhy and Dr. Nabin Kumar Naik and Mr. Bijay Shankar Tripathy examined and the tasted the cuisines served by students and evaluated them on certain parametres like taste, hygiene, garnish, presentation etc. The Winners and Runners-Up were awarded cash prizes.



### **14<sup>TH</sup> ATHLETIC MEET**

The 14<sup>th</sup> Athletic Meet of the institute was organised on 8<sup>th</sup> February 2025. Students participated in a wide range of sprint events, jump events, discus throw and shot-put throw. Ms Deepika Rout and Mr. Alok Giri were adjudged Champions 2025 for female and male categories respectively.



## Industry Expert Talk

An Industry Expert Talk on "Skill Development, Employability and Entrepreneurship in Electronics" by Mr. Mukesh Kumar Sukla, Founder & Director, VLSIPRO Technologies Pvt. Ltd., Bhubaneswar was organised on



29<sup>th</sup> January 2025. Mr. Sukla reflected on the growing demands of electronics and related studies in the market of late and zeroed in on how to build the required skillsets to become an asset in the current market dynamics. After a gripping session of about two hours a Q&A session was held.

## 76th Republic Day

The 76<sup>th</sup> Republic Day was celebrated on 26<sup>th</sup> January 2025. Prof. Mihir Hota, Dean Academic unfurled the national flag which was followed by the National Anthem. Prof. Hota reflected on the fundamental duties which are crucial for the development of the nation from all aspects. He emphasised personal development of students in alliance with that of the nation which can bring a holistic growth of the society. Dean's address was followed by speeches by students namely Mr. Sourav, Mr. Debasish Patra and Mr. Biswojit Rout. The program ended with distribution of sweets.



## Alumni Talk

An Alumni Talk was organised by the Industry Interface Cell on 7<sup>th</sup> December 2024 where two alumni from the batch 2017-21 namely, Mr. Shubham Kumar, presently working in Amazon Bangalore as Software Development Engineer, and Mr. Pradeep Kumar Mahato, presently working in Accenture as Software Analyst reflected on their journey, preparation, learnings and experiences.



## Quizanna 2024-25

Quizanna 2024-25, an interschool quiz competition was held on campus on 7<sup>th</sup> December 2024 where shortlisted teams of students from different Higher Secondary Schools in the vicinity of Sambalpur participated. After the Preliminary Test 8 teams were further shortlisted to play the Finale.



The results are as follows:

Winners: Sahil, Ayush and Dhableswar from Newton Higher Secondary School, Sambalpur

First Runners-Up: Asmit, Swadhin and Abhijit from Newton Higher Secondary School, Sambalpur

Second Runners-Up: Harshit, Prayas and Sankalp from Vikash Higher Secondary School, Sambalpur

### **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 16 November 2024. The camp was inaugurated by Mr. Vishal Raj, CSR Head, JSW BPSL & JSW EUL, Odisha. Students, members of faculty and staff voluntarily came forward to contribute to this noble cause of donating blood. Medical and Paramedical team from Blood Bank, DHH, Sambalpur took care of the process. A total of 58 units of blood were collected by the closure of the camp.



### **Workshop on Entrepreneurship and Innovation**

A Workshop on Entrepreneurship and Innovation was organised jointly by the Institute Innovation Council (IIC) and the Entrepreneurship Development Cell (EDC) of the institute on 24 November 2024. Dr. Mihir Hota, Professor & Dean Academic offered the Welcome Address and encouraged students to participate in the sessions to unfold. Dr. Sonalika Mishra, Assistant Professor of Electrical Engineering and Faculty-in-Charge, IIC compered as well as coordinated the programme. Dr. Simanchal Bag, Assistant Professor of Economics and Faculty-in-Charge, EDC introduced the objectives of the programme to the participants. Dr. Mahendra Prasad Agasty, Professor of Economics & Faculty-in-Charge, IIC & EDC, Silicon University, Bhubaneswar delivered the Keynote Address on Career Opportunities in Entrepreneurship and Innovation. He emphasised the changing nature of the market and explicated how Entrepreneurship has emerged as a more promising and rewarding career path, especially for students pursuing engineering studies. Similarly, Mr. Deepak Chaudhary, Founder and CEO, Success

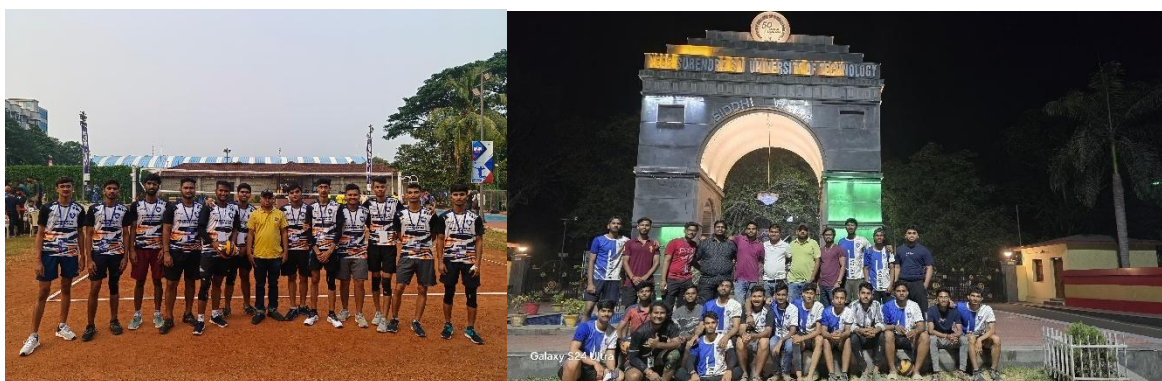


Leaf, Bhubaneswar and the Chief Resource Person of the Workshop took the participants through a workshop session on 'Problem Solving and Ideation.' Mr. Chaudhary zeroed in on the problem-solving-mindset as key to an entrepreneurial journey, and in the three hours of hands-on session that followed, he took the participants through a wide range of activities, methods, techniques and thinking habits that can help one identify problems as well as generate Ideas towards making more efficient technologies to meet market needs, and create a better equipped society. A total of 76 students of the institute participated in the workshop and

pitched their ideas to the resource persons. Some of the quintessential to become a successful entrepreneur, as discussed and highlighted during the session are Problem Identification, Idea formulation, Innovation, Understanding Customer Demand and Continuous Improvement. Dr. Deepak Sahu, Assistant Professor of Chemistry graced the sessions and encouraged the participants, and Dr. Sonalika Mishra proposed the vote of thanks at the end of the programme.

### **Participation in intercollege sports tournament.**

A team of 30 students participated in the intercollege sports tournament organised by Silicon University, Bhubneswar from 10<sup>th</sup> to 13<sup>th</sup> December 2024. Similarly, a team of 27 students participated in intercollege sports meet organised by VSSUT, Burla from 26<sup>th</sup> to 28<sup>th</sup> February 2025. Students participated in sports events and games like Badminton, Volleyball, Cricket and Chess.



### **Friendly Cricket Match**

A friendly cricket match among members of staff was held on 4<sup>th</sup> January 2025 where two teams namely Silicon Warriors and Silicon Strikers led by the captainship of Dr. Ashutosh Rath and Prof. Mihir Hota respectively played the a T-10 match. Silicon Strikers was the winner of the match.



### **Heritage Tour by Campus Coordination Committee (CCC)**

The CCC organised two heritage tours, first to Ghanteswari Temple on 2<sup>nd</sup> March 2025 and the second one to Huma Temple on 9<sup>th</sup> March 2025. A total of 43 students from 1<sup>st</sup> year visited the Ghanteswari Temple and similarly 38 students from 2<sup>nd</sup> Year visited the Huma Temple. Members of faculty and staff from residence accompanied the students on both the tours.



### **Farewell Function 2025:**

The farewell function for the 2021-2025 batch of students was held in institute premises on 14th May 2025. Prof. Mihir Hota, Dean Academic offered the Welcome Address and shared his memories with the graduating students. Similarly, Dr. Manoj Kumar Mahapatra, Sr. Assistant Professor, Mechanical Engineering, Dr. Ashutosh Rath, Sr. Assistant Professor, Civil Engineering and Dr. Tyagraj Thakur, Sr. Assistant Professor, Basic Sciences and Humanities (English) reflected on the four years of academic journey with the batch and conveyed their wishes



for the future career trajectories, endeavours and pursuits of life. Subsequently, some of the graduating students namely, Mr. Satyabrata Panigrahi, Ms. Tapur Dey, Mr. Kalyan Mohapatra, Mr. Somdev Behera, Mr. Gourav Kumar, Mr. Debashis Sahoo, and Mr. Saswat Ranjan Pattnaik visited their life on campus down memory lane, shared their key takeaways for life and career ahead. A digital gallery comprising photos and videos reflecting on the memories associated with the batch was prepared and presented by the Pre-final Year students.

On this occasion, the Best Student Award - 2025 was presented to Mr. Saswat Ranjan Pattnaik from the Department of Civil Engineering. Similarly, the Best Project Award was presented jointly to Mr. Chiranjeeb Das and Mr. Yoshobanta Bisoi from the Department of Computer Science and Engineering.

Dr. Sonalika Mishra, Assistant Professor, Electrical Engineering compered the programme, and Dr. Simanchal Bag, Assistant Professor, Basic Sciences and Humanities (Economics) coordinated the programme as well as proposed the Vote of Thanks. The programme was followed by the Farewell Dinner.

### **Graduation Day 2025:**

The Graduation Day 2025 was held on 5 April 2025. Prof. Mihir Hota, Dean Academic offered the Welcome Address, and Dr. Manas Ranjan Jena, Faculty-in-Charge, Examinations introduced the objectives and future trajectories of the Day. Alumni from the Batch 2020-2024 were presented the Graduation Certificates on this occasion.



### **Navomesh 2025:**

Our Alumnus from the Batch 2010-14, Mr. Lov Kumar Singh, Founder of DigiAud, Patna shared his entrepreneurial journey through the expert talk titled "Story by a Successful Innovator and Entrepreneur" jointly organised by the Institution's Innovation Council (IIC) and the Entrepreneurship Development Cell (EDC) on 5th April 2025. The talk was followed by an Interactive Discussion Session with Mr. Singh, moderated by Mr. Somdev Behera, student of 8th Semester.

Prof. Mihir Hota, Dean Academic offered the Welcome Address. Similarly, Dr. Simanchal Bag, Faculty in Charge, EDC oriented the audience to the importance of Entrepreneurship in the growth of an economy and the role of entrepreneurs in nation building. Dr. Sonalika Mishra Faculty in Charge, IIC coordinated the



programme.

In the post lunch 'Idea Pitching' session titled "NAVONMESH 2025" seven teams of students presented their business ideas before the jury comprising Mr. Lov Kumar Singh, Mr. Biresh Kumar Dakua and Dr. Simanchal Bag. The following teams were adjudged winners.

- **1st Position:**  
Md. Sk. Aasim  
Mr. Rishi Raj
- **2nd Position:**  
Mr. Alok Raj  
Ms. Khusi Kumari  
Ms. Swayamsiddha Hota
- **3rd Position:**  
Mr. Sourav  
Mr. Ayush Kumar Tripathy

Ms. Riya Raj (2nd Semester) and Mr. Rudra Prasad Das (6th Semester) compered the event and Ms. Alisha Patel (6th Semester) offered the formal vote of thanks.

### Techstacy & Zreyas 2025

The much awaited annual events Techstacy 2025 (Annual TechFest) and Zreyas 2025 (Annual Cultural Fest) were organised on 21st and 22nd March 2025 in the institute premises. Prof. Mihir Hota, Dean Academic, Silicon Institute of Technology, Sambalpur inaugurated the TechFest.



Similarly, Prof. Pradeep Kumar Mishra, Member of the Governing Body and Former Director, Silicon Institute of Technology, Sambalpur graced the Cultural Evening as the Chief Guest, and reflected on the importance of such events in shaping students' career and personality. He emphasised the development of personality along with academic excellence in the students which can substantially add value to their holistic development.

The TechFest included a wide panoply of technical events such as Robo War, Robo Race, Technical Quiz, Coding Competition etc. Moreover, it also included a few non-technical events like Treasurer Hunt, Panchayat, and a few fun games. The cultural evenings comprised a wide range of performances such as solo, duet and group dance and song where students showcased their talent and passion.

Both the events were organised by the Silicon Students' Council (SSC) under the guidance and mentorship of Dr. Simanchal Bag, Faculty-in-Charge, SSC with the relentless hardwork of all the members of the Students' Council, Coordinators and Members of different clubs, and all the performers of Technical as well as Cultural events.

The unwavering support by Ms. Sagarika Pradhan, Faculty Coordinator, Robotics Club, Dr. Sohan Pande, Faculty-in-Charge, CodigoPlataforma (Coding Club), Dr. Chinmayee Padhy, Faculty Coordinator, Quiz Club, Dr. Sonalika Mishra, Faculty Coordinator, Shades of Silicon (Art Club) and Mr. Biresh Kumar Dakua, Faculty-in-Charge, Sports & Culture, and all the members of faculty, technical assistants, administrative officials and staff members ensured the smooth conduct of events.



Mr. Satyabratt Panigrahi, Secretary General, SSC presented the Annual Report on Day-1 and Mr. Saswat Ranjan Pattnaik, Secretary Amenities, SSC proposed the formal vote of thanks at the closure of all the events on Day-2.