

SiliconTech

A QUARTERLY NEWSLETTER

Volume 6 Issue 1 July-September 2024

EDITORIAL

Greetings from Silicon!

It is a privilege to pen the editorial for the July-September issue of our newsletter. Since its inception as a university, Silicon has undergone numerous transformations. As we navigate the rapidly changing technological landscape, it is vital to reflect on the core vision that defines us and the human values we have upheld throughout our journey. Our mission extends beyond the dissemination of knowledge; it is about fostering a dynamic ecosystem where ideas are conceived, nurtured, and brought to life to contribute to the greater good.



With the implementation of newly framed Academic Regulations and a redesigned curriculum structure aligned to the NEP-2020 framework, we have begun to redefine our long-term goals this academic session. We have also introduced a new 5-year Integrated MCA program from the 2024-25 session. The updated UG Engineering curriculum now features options such as Honors, Minors, and Course Waiver. Additionally, to provide our students with experiential learning opportunities, we have incorporated the Practice School concept and introduced a full-semester Industry Internship for MCA and M.Sc. programs. We are also planning to bring in Professors of Practice to teach advanced elective subjects that are currently in high demand in the industry.

We recently welcomed our new batch of students, the first admitted under the new Silicon University regulations. This year, our induction program included interactions with faculty advisors and core sessions on Universal Human Values as per the UGC guidelines. It was invigorating to see the campus filled with nearly a thousand new faces, brimming with energy, enthusiasm, and aspirations for the future!

As we move forward, let us continue to embrace the spirit of learning and curiosity. Together, we can turn challenges into opportunities and ideas into impactful solutions. It is our collective responsibility to elevate Silicon University to new heights!

I am sure reading through this issue of the newsletter will be a great experience for you all.

Dr. Debabrata Kar
Dean (Instruction), Silicon University



NIRF Rankings 2024 recognizes Silicon Institute of Technology, Bhubaneswar among India's top 300 engineering universities and colleges

Silicon Institute of Technology (SiliconTech), has been placed under band 201-300 in the engineering category in the NIRF (National Institutional Ranking Framework) Rankings 2024, announced by the Honourable Minister of Education, Shri Dharmendra Pradhan, on 12 August 2024. SiliconTech is one among the thirteen institutes in the state to be ranked within the top 300 in NIRF Rankings 2024.



SiliconTech signs MoU with the VLSI Society of India (VSI) to advance education and research in VLSI

SiliconTech, the engineering institute of Silicon University, signed a Memorandum of Understanding (MoU) with the VLSI Society of India (VSI) on 16 August 2024. VSI focuses on advancing education and research in VLSI and semiconductors, fostering collaboration between industry, academia, and government. This partnership aims to promote innovation, research, startups, and talent development in VLSI design, aligning academic programs with industry needs to enhance employability. The collaboration will support the startup ecosystem through mentorship, industry partnerships, and seed funding. Dr. Satya Gupta, President of VSI, represented the organization at the signing.



ATAL FDP on 'AI/ML Solutions for Industry 4.0'

The Department of Electronics Engineering (EE) at SiliconTech, in collaboration with AICTE Training and Learning (ATAL) Academy Cell, New Delhi, organized a Faculty Development Program (FDP) on 'AI/ML Solutions for Industry 4.0' from 19-24 August 2024. The distinguished speakers included Dr. Priya Ranjan Muduli (IIT BHU), Dr. Pradyut Biswal (IIIT Bhubaneswar), Dr. Suman Samui (NIT Durgapur), Dr. Alok Satapathy (NIT Rourkela), Dr. Debi Prasad Das (CSIR-IMMT), Dr. Nijwm Wary (IIT Bhubaneswar), Mr. Rashmiranjan Mohapatra (Synopsis Inc.), Dr. Saroj Rout (SiliconTech), Dr. Deepak Nayak (MNIT Jaipur), and Dr. Kunal Pal (NIT Rourkela). Fifty five faculty members participated in the FDP to learn about emerging fields like Edge AI, Tiny ML, Neuromorphic Chips, and Keyword Spotting.



Workshop on 'High-Performance Computing and its Applications in AI'

The Department of Computer Science and Engineering (CSE) at SiliconTech organized a three-day workshop on 'High-Performance Computing and Its Applications in AI' (HPCAA-2024) in Odia from 8-10 August 2024. The workshop aimed to raise awareness about the use of HPC in AI, particularly in regional language systems. Sessions were conducted by experts including Prof. Sudarsan Padhy (IMA, Bhubaneswar), Dr. Pradyumna Tripathy (SiliconTech), Dr. Rakesh Chandra Balabantaray (IIIT Bhubaneswar), Dr. Debiprasanna Sahoo (IIT Bhubaneswar), Dr. Sibarama Panigrahi (NIT Rourkela), and Dr. Sanjay Kumar Panda (NIT Warangal), combining theoretical insights and hands-on practice in AI, HPC, and parallel computing.



Hands-on session on 'Embedded Systems & Live Simulation of E-Vehicles'

The Department of Electrical and Electronics Engineering (EEE) at SiliconTech collaborated with the Institute of Electrical and Electronics Engineers (IEEE) Students Chapter and IEEE-PES Bhubaneswar Sub-section to organize a one-day hands-on session on 'Embedded Systems & Live Simulation of E-Vehicles' on 31 August 2024. The session, led by industry trainers Mr. Taj Mobasir and Mr. Amit Kumar Palai from Logiczap NextGen Technologies, Kolkata, engaged sixty two participants in a comprehensive hands-on workshop. Participants acquired a strong foundation in embedded systems for electric vehicles (EVs) through immersive, hands-on training with microcontrollers, sensors, and development platforms like Arduino and Raspberry Pi.



Workshop on 'Aspects of Communication'

The Department of Basic Sciences and Humanities (BSH) at SiliconTech organized a three-day workshop on 'Aspects of Communication' from 6-8 August 2024. Key speakers included Prof. Jatindra Nayak (Retd. Professor, Utkal University), Dr. Saroj Kant Misra (Professor, SiliconTech), Dr. Kalyani Samantray (Retd. Professor, Utkal University), Ms. Shradha Padhi (Chief People Officer, CSM Tech), Monk Sangramjit Das (ISKCON), Dr. Tanutrushna Panigrahi (Professor, Utkal University), Dr. Pranati Das (Retd. Professor, BJB Autonomous College), Swami Shankarananda Giri Maharaj (Kriya Yoga Foundation), and Dr. Amrita Satapathy (Professor, IIT Bhubaneswar). Forty faculty members participated in the event to gain insights into effective communication strategies, including the importance of humor, logic, brevity, spirituality and cultural sensitivity.



Training program on 'IEEE Xplore'

The Central Library at SiliconTech, in collaboration with IEEE Xplore, organized an on-campus training program for faculty, research scholars, and students on 31 July 2024. The program aimed to enhance users' understanding of the IEEE Xplore Digital Library, which offers access to a vast collection of journals and conference proceedings crucial for research. The training, conducted by Mr. Ranbir Singh Sedhey and Mr. Raj Kumar Mohapatra from IEEE, also introduced Code Ocean, a platform for reproducibility in research. A total of fifty two participants attended the engaging and interactive session to gain valuable insights into effectively utilizing IEEE Xplore and Code Ocean for their research endeavors.



Design Masterclass on 'Brand Journey'

The Social Media Cell at SiliconTech, in collaboration with the Social Utsav community, organized a design masterclass on 'Brand Journey' on 28 September 2024. The expert speaker, Mr. Priyaranjan Sahoo began the workshop by sparking an engaging discussion on whether a fork or chopsticks is the better design, setting the stage for the topic 'How to Think Like a Designer'. The session emphasized the importance of visual branding and meeting society's evolving needs, focusing on key aspects like intention, interpretation, method, and audience. Participants learned that design should prioritize user experience over the designer's perspective, as illustrated by PayPal's purposeful redesign, balancing form, function, and emotion.



Certificate Program on 'Power Distribution Management'

The Department of EEE in collaboration with the Industry Interface Cell launched a certificate program on 'Power Distribution Management' for the 7th semester students on 12 September 2024. The objectives of the certificate program are to equip participants with the technical skills for designing and optimizing power distribution networks, enhance their understanding of regulatory frameworks and compliance standards, and develop management competencies in financial planning and strategic decision-making for improved operational efficiency and sustainability.



Industrial visits to IMFA and OPTCL

The Industry Interface Cell (II Cell) at SiliconTech facilitated a series of industrial visits for students to enhance their learning on core industries. On 6 July 2024, students visited Indian Metals and Ferro Alloys Limited (IMFA) in Choudwar, Cuttack followed by a visit to Odisha Power Transmission Corporation Limited (OPTCL) in Bhubaneswar on 13 July 2024. The visits, that were part of the Summer Internship Program in core industries, aimed to integrate academic learning with real-world practices. At IMFA, students learned about advanced production techniques in ferroalloy manufacturing, while the visit to OPTCL provided insights into managing high-voltage transmission systems and energy distribution. A total of seventeen students and four faculty members gained valuable hands-on experience.



78th Independence Day

SiliconTech celebrated the 78th Independence Day on 15 August 2024 to instill a sense of patriotism among the students. The celebrations began with the hoisting of the national flag by Vice-Chancellor Dr. Jaideep Talukdar, followed by an inspiring address. The Meta Academic Cell organized 'Azad Hind,' featuring a speech competition on 'Indian Independence and Our Inclusion in the Olympics' and an essay competition on 'Spread of Spiritualism Before and After Independence'. The event also included a plantation drive by the Silicon Green Club and Youth for Sustainability (Yfs) club. Vibrant cultural performances and decorations in the colors of the national flag further enriched the celebrations.



Induction of 2024 B.Tech. Admission Batch

The Induction Program for the B.Tech. 2024-28 batch was held from 9 to 14 September 2024 following an Orientation Program held on 6 September 2024. It featured interactive lectures on academics, examination procedures, university facilities, and inspiring talks from esteemed speakers on career building, stress management, and moral ethics. Key external speakers included Dr. Ashok Kumar Sahu, who discussed 'Moral Ethics & Human Values', Sangramjit Das, who spoke on 'Mental Health', Sumit Jalan, who presented 'Shape Your Profile, Achieve Your Dreams!' and Mr. Abhijit Sen, who delivered an insightful talk on 'Building My Future Self'. 800 students attended the program, which included various engaging activities such as games, quizzes, and guided meditation.



Obscura 2024

SiliconTech, in collaboration with the Ketaki Foundation Trust, Bhubaneswar, organized 'Obscura 2024' to celebrate World Photography Day on 19 August 2024. The event aimed to foster a sense of community and belongingness among photographers and artists while highlighting photography's cultural significance. Sri Kapilas Bhuyan, a senior journalist and trustee of the Ketaki Foundation, welcomed attendees, and Dr. Jaideep Talukdar, Vice-Chancellor of Silicon University, delivered an engaging talk on photography. Eminent filmmaker Shri Sanjoy Patnaik served as the Chief Speaker, discussing the intersection of politics and cinema, while photographer Shri Ashis Dhir led a presentation on tribal photography.



Swaroop Mishra, a SiliconTech alumnus develops the first AI to solve IMO problems

Swaroop Mishra, a distinguished alumnus from the B.Tech. Electrical and Electronics Engineering (EEE) batch of 2014, collaborated with his team at Google DeepMind to develop an AI system that can solve problems from the International Mathematical Olympiad (IMO) 2024 at a silver medalist level. Currently a Research Scientist at Google DeepMind, Swaroop recently completed his Ph.D. at Arizona State University, where he contributed significantly to AI research. His experience includes roles as a Technical Consultant for the Indian government, a Research Intern at Google and Microsoft, and a software engineer at MathWorks.



Internal Hackathon for SIH 2024

The Silicon Innovation and Promotion Cell (SIPC) at SiliconTech, Bhubaneswar, organized an internal hackathon on 6 September 2024. This initiative required institutes to select 40 teams—35 for software and 5 for hardware for the Smart India Hackathon (SIH) 2024. The event attracted 50 groups of 280 students, who presented innovative solutions in areas such as Clean and Green Technology and Smart Automation. Mirroring the actual SIH experience, the event featured both internal and external evaluators, including Mr. Arindam Choudhury (Infosys), Mr. Bhawani Pattnaik (VVDN Technology), and faculty members from SiliconTech, fostering a vibrant atmosphere of creativity and collaboration.



India Quiz

The Silicon Quiz Club organized 'INDIA QUIZ 2024' on 24 September 2024 providing participants with a platform to showcase their talents. The event aimed to foster a spirit of healthy competition among students while promoting teamwork and quick thinking. Over 35 teams participated, including newcomers and seasoned quizzers. The preliminary round featured 17 questions asked by Quiz Master Piush Praharaj, a third-year student. After evaluation, the top six teams advanced to the finals. The winner of the quiz was Tanmaya Raut. Subham Kumar Jha & Pratham Jena jointly won the second prize, and Sandeep Pradhan won the third prize. The event was coordinated by Mr. Dhananjaya Tripathy, Faculty Coordinator of the club.



'Bit and Build', an international hackathon

The Google Developer Student Club (GDSC) at Fr. CRCE, Mumbai, organized Bit n' Build, an international hackathon on 4 October 2024 in collaboration with the Tech Society, IIIT Bhubaneswar, and the ISTE Silicon Students' Chapter of SiliconTech. Conducted in online mode, this prestigious event attracted teams from across Odisha, who showcased their innovation and technical prowess. Participants demonstrated their skills and creativity, with the top teams earning the opportunity to advance to the grand finale in Mumbai, where they will compete against participants from around the globe on a larger stage.



Open Sword 2024

The Meta Academics Cell at SiliconTech organized Open SWORD 2024 on 26 September 2024, on the theme of friendship. The event comprised two dynamic segments. The first segment, 'Extempore', allowed individuals to speak spontaneously on various friendship-related topics, showcasing their quick thinking and creativity while sharing personal insights. In the second segment, 'Team Address', participants formed four teams to craft one-minute responses to unique friendship topics, testing their teamwork and communication skills under time constraints. Overall, the event successfully celebrated the essence of friendship, leaving participants with memorable insights and fostering a stronger sense of community.

RESEARCH AND PUBLICATIONS

Scopus/SCI Indexed
journals: 4

Conference Proceedings: 4

Patents: 1

Machine Learning in Healthcare Analytics: A State-of-the-art Review

This study reviews research published over the past five years, focusing on the evolving role of machine learning in healthcare. Analyzing over 1,200 papers, including 124 from 2019 to 2023, the paper reveals a wide array of models addressing specific medical challenges. Key trends identified include the significance of image-related tasks, where deep learning techniques like convolutional neural networks (CNNs) play a crucial role in enhancing diagnostic accuracy. The review also highlights ensemble methods such as AdaBoost, Random Forest, and Gradient Boosting, which have gained traction for their ability to improve predictive accuracy and interpretability. Notable models like COVID-Net and DeepLabV3 exemplify effective applications of these techniques in critical health scenarios, showcasing how ensemble methods can address pressing health issues, such as the COVID-19 pandemic. The analysis emphasizes a personalized approach, tailoring

models to the unique complexities of individual diseases. Additionally, hybrid models that combine deep learning with traditional machine learning techniques demonstrate the complementary strengths of both paradigms. The review advocates for a multi-model strategy, highlighting the importance of selecting appropriate methods for various data types and requirements. Overall, this literature review serves as a roadmap for future research, encouraging innovation and a disease-centric approach. Future advancements in machine learning are expected to significantly enhance

diagnostic accuracy and optimize treatment pathways, ultimately improving patient outcomes.

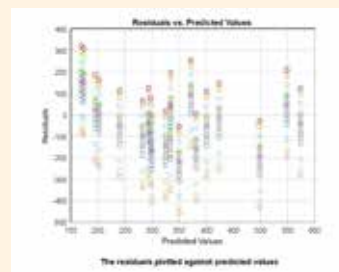


This research is being conducted by Mr. Surajit Das, Assistant Professor, Computer Science and Engineering and Dr. Samaleswari Nayak, Senior Assistant Professor, Computer Science and Engineering

Enhancing Household Waste Management in Developing Municipalities: A Choice Experiment Analysis of Municipalities in India

Urban governance faces significant challenges in managing household waste, particularly in municipalities within developing regions. The complexities of waste management are heightened in areas where private waste collection services are limited, resulting in substantial amounts of household waste remaining uncollected. This study focuses on the challenges faced by a specific municipality in India, reflecting broader struggles encountered by many municipalities in similar contexts. The lack of comprehensive waste collection services underscores the critical need for establishing appropriate waste collection fees, particularly when setting these fees for the first time. Private waste service providers often find these services economically unfeasible in smaller municipalities, leaving local authorities to navigate the difficult task of creating a fee structure that balances economic viability, environmental sustainability, and community needs. Utilizing the Choice Experiment (CE) methodology, this study examines household waste management preferences, a technique pioneered by Louviere et al. in environmental economics. By applying this approach, the research investigates household

preferences and quantifies willingness-to-pay for various waste management attributes. The study aims to intertwine economic viability, environmental sustainability, and community-focused strategies. By determining implicit prices for key waste management features—such as collection frequency, proximity to collection centers, and subsidies for waste bins—this research provides valuable insights to inform sustainable waste management policies tailored to the municipality's unique context. A synthetic dataset is utilized to simulate real-world scenarios, and a feedforward neural network analyzes patterns in household preferences, suggesting that future advancements in waste management strategies could significantly improve collection efficiency and community engagement.



This research is being conducted by Dr. Anita Mohanty, Associate Professor, Electronics Engineering, and Dr. Ambarish G. Mohapatra, Associate Professor, Electronics Engineering.

STUDENT ACHIEVERS



Avipsa Bhujabal
CSE 2024

Avipsa Bhujabal joins MS (Data Science) program at the University at Buffalo, New York

Avipsa Bhujabal (CSE, 2024) has been selected to pursue her MS in Data Science at the University at Buffalo, part of the State University of New York (SUNY) system. Her areas of expertise include machine learning, artificial intelligence, and data analytics, which she developed through practical experience during her internships. She completed a summer internship program with Codebeat, where she concentrated on Machine Learning and AI. Furthermore, she worked as a Data Science Intern at Glosity during her Practice School (PS) program at Silicon.



Sumaan Mishra
ECE, 2025

Sumaan Mishra gets a PPO of 14.5 LPA from Micron

Sumaan Mishra (ECE, 2025) completed her summer internship program at Micron from 17 June to 9 August 2024 with a monthly stipend of 30K. Due to her exceptional performance during the internship, she was extended a Pre-Placement Offer (PPO) with a package of 14.5 LPA. Sumaan is set to rejoin Micron as an intern in her 8th semester through the Practice School (PS) program where she will continue to receive a stipend of 30K.

Practice School (PS) selectees with a stipend between 15K-50K per month



Tejaswi Mahapatra
ECE, 2025

Tejaswi Mahapatra (ECE, 2025) has joined Aays Advisory for her Practice School (PS) program. During her PS internship, she will work for NexgAI projects and receive a monthly stipend of INR 50K.

StratLytics@20K



Saswat Tulo
CSE 2021-25



Gourab Chandra Parida
CSE 2021-25



Ankit Kumar
CSE 2021-25

Teleglobal International Private Limited @15K



Ranjan Kumar
CSE 2021-25



Khushi Saloni
CSE 2021-25



Abhijeet Bhattacharjee
CSE 2021-25



Swarup Nandan Das, Sai Sradha Pattanaik, Dibyansh Baranwal, Adarsh Amrit, Ranjeet Singh, and Nutan Prasad Panda from the ECE 2024 graduating batch secured the 3rd prize at the 'Odisha Technological Conclave 2024'.



Team Mind Matrix with Swastik Nayak, Sai Sangita Adhek, Tanisha Kar, and Arpit Kumar Nayak won the Best Business Award at the 'Innovate Odisha 2.0 hackathon'.



Swastik Nayak (CSE, 2025) Winner of Vishwasarya Prativa Puraskar.

Placement Highlights

SiliconTech's Industry Interface Cell has initiated its placement drives for the 2025 graduating batch from the first week of June 2024 in a hybrid mode. Despite current market trends, several prominent companies in both Core and IT sectors have successfully completed their

recruitment processes. In the VLSI domain, companies such as CoreEL, Moschip, and Micron have conducted campus drives, with additional companies in the pipeline. IT product development companies, including Aptus Datalab, Haber Technology, and Surya Digital have also completed their placement drives, selecting students with salary offers ranging from INR 5 LPA to INR 14.5 LPA. Furthermore, Accenture, HP Labs, Incture, Intellipaat, LTIMindtree, Rasmi Group, and Scaledge India are in the process of concluding their recruitment drives.

Pre-Placement Training

The Pre-placement training for the 2026 graduating batch will be started from the last week of September 2024 in the virtual mode. The students who have enrolled in this course will be trained in aptitude, reasoning, soft

skills, and programming skills. As a part of this training program, all students will be provided a dedicated LMS-based platform where they can access practice tests, assignments, and questions asked in an interview and can also apply for different digital internships.

Practice School (PS) Highlights

2025 Graduating Batch

- 32 students from the 2025 graduating batch have been selected by different companies for doing their Practice School (PS) program in the 7th semester. The selected students have already joined their respective PS stations and they will spend one semester in their work location for the industry internship under the PS program.
- Additionally, 20 students from the 2025 graduating batch have already been selected till date to do their PS program during their 8th semester.
- Most of the students selected for the PS program will receive a monthly stipend in the range of INR 10K- 50K during their internship period.
- The companies who participated in our PS drive and have selected our students for the PS program include:

Aptus Data Labs	Haber	Micron	PRDC	Sevya Multimedia	Teleglobal International
Aays Advisory	IG Drones	Mindfire	Prodevans	Squbix Digital	ZeonAI
BIPROS	Incture	MokkoMotto	Rashmi Group	StartLytics	
Glosity	Inofinity	Pcon Utilities	Scaledge	Surya Digital	

Summer Internship 2024

The Summer Internship Program 2024 for 1st, 2nd, and 3rd year students was conducted from 17 June to 25 July 2024. 2122 students participated in 33 skilling programs to enhance their expertise in various technologies aligned with industry. This year, around 20 students from other universities and government colleges like UCE Burla, VIT, SRM, SOA, PMEC Berhampur, and CV Raman Global University participated in this summer internship program. Most of the programs were conducted by industry experts and mentored by in-house faculty members. This program carries one academic credit and has a minimum of 100 hours of engagement, including theoretical knowledge, lab sessions, assignments, and projects. Advanced courses included Machine Learning and Deep Learning for the Industry, Beginning with Rust, Azure masters and Introduction to Generative AI, Mobile APP Development with REACT native, Azure Bigdata



Engg, AWS master, Digital System Verification using System Verilog, SEO & Digital Marketing, Electronics Sensor Design, Mern Stack, Azure, DevOps, Django Full Stack web development, Data Structures & Algorithms, Cybersecurity, and Specialized Training on Power System Analysis. Students from outside Silicon have enjoyed the program and appreciated the infrastructure and hospitality provided by the institute.



Visit to mentee institutions under the Impact Evaluation and Progress Monitoring Program

Dr. Mahendra Prasad Agasty, President of the Institution's Innovation Cell (IIC) at Silicon conducted a series of one-day visits to mentee institutions, including Dispur College in Assam on 15 June 2024, DRIEMS Polytechnic in Cuttack on 17 July 2024, GIET in Bhubaneswar on 18 July 2024, Model Mahila College in Jharkhand on 29 July 2024, and DAMITS in Rourkela on 30 July 2024. During these visits, he met with the respective principals and coordinators to assess the progress of their Institution's Innovation Councils (IIC) and provided valuable insights to enhance their operations. He toured the pre-incubation facilities and recommended the establishment of Entrepreneurship Development Cells (ED Cells) to support student entrepreneurs further. He also inaugurated new ED Cells in some institutes, emphasizing the importance of pre-incubation and incubation support.



'Prarambh', an awareness program on entrepreneurship

The Entrepreneurship Development Cell (ED Cell) and the Institution's Innovation Council (IIC) at SiliconTech organized 'Prarambh', an awareness program on entrepreneurship on 28 September 2024, to inspire students to explore entrepreneurial ventures. Dr. Mahendra Prasad Agasty, Faculty-in-Charge, commenced the event by emphasizing the importance of entrepreneurship and outlining various initiatives designed to cultivate entrepreneurial skills among students. A key highlight of the program was a motivational session delivered by Mr. Subrat Kar, founder of MotorFloor and Vidooly, who shared his insightful entrepreneurial journey, including the launch of VidooMail and valuable lessons on overcoming challenges. The event concluded with an interactive Q&A session and a quiz competition, attracting 150 students.



Dr. Pamela Chaudhury, Senior Assistant Professor, Computer Science and Engineering (CSE) delivered an expert talk on 10 July 2024 in a 5-day FDP on 'Empowering Educators with AI and ML: Strategies and Applications', organized by the Department of CSE in collaboration with IEEE KLHSB, Hyderabad.



Pradipta Kumar Pattanayak, Senior Assistant Professor, Computer Science and Engineering (CSE) has participated as a Resource Person for the IMA Silver Jubilee Year Workshop on 'Exploring Machine Learning Algorithms, Applications, and Implementations', from 29 July to 9 August 2024 at the Institute of Mathematics and Applications, Bhubaneswar.



Dr. Pradyumna Kumar Tripathy, Associate Professor, Computer Science and Engineering (CSE) interacted with the students as a subject expert in the Student Orientation Program 'Deeksharambh' on 27 August 2024 at Srusti Academy of Management (Autonomous), Bhubaneswar.



Dr. Ramaprasad Panda, Dean (Student Affairs) shared his expertise at the ArdorComm Media-Education Leadership Symposium on 13 September 2024. The theme of the event was 'The future of education in India'.

ALUMNI BUZZ



SiliconTech's distinguished alumni played a pivotal role in the induction program for the 2024 B.Tech. admission batch, generously sharing their insights and experiences. They effectively addressed students' questions about the institute and its policies, providing valuable guidance to the new entrants. Among the notable alumni were *Shiv Shankar Patnaik* (ECE, 2012), Vice President of Asset and Wealth Management at JP Morgan Chase and Co., *Eijaz Rehman* (ETC, 2016), who is successfully managing his family business, which includes a Bharat Petroleum petrol pump as well as tiles and ceramics, *Subhendu Subudhi* (CSE, 2015), Senior Mainframe Consultant/Engineer providing banking solutions for UBS at Union Bank of Switzerland Business Solutions, Pune, *Akampan Gupta* (ECE, 2019), currently pursuing an M.Tech. in Computer Science and Data Processing from IIT Kharagpur, and *Abhishek Bharadwaj* (CSE, 2008), presently working with TCS. These accomplished individuals discussed how their experiences at SiliconTech have shaped their careers and contributed to their professional growth, leaving the new students motivated and inspired for the journey ahead.

ALUMNI IN FOCUS



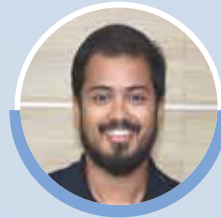
MAITRY MAHAPATRA
Manager, Ernst & Young LLP
B.Tech. (ECE) 2012-2016

Maitry is a Techno-Managerial Cyber Security Specialist at EYLLP, focusing on defensive security and SIEM detection engineering. With prior roles at Wipro as a SOC Analyst and at LTIMindtree as a Senior Consultant, she has made significant contributions to cybersecurity solutions. Outside of work, she enjoys singing and was actively involved in both the Silicon Music Club and the Silicon Quiz Club.



ADITI DASH
Actress
B.Tech.(CSE) 2018-2022

Aditi is currently working as an actress, with her work being featured on channels like Zee Sarthak, Tarang, Star Utsav, and Disney+ Hotstar. Her notable work includes three serials, a telefilm, and an episode of 'Savdhan India', along with her role as the protagonist in 'Mo Sasura and Sasuma'. Passionate about being in front of the camera, she is also creating content on YouTube to further express her creativity. In her free time, she enjoys dancing, reading novels, and painting, reflecting her diverse interests and artistic talents.



EJAZ RAHMAN
Entrepreneur
B.Tech.(ECE) 2010-2014

Ejaz is the Franchise Owner of Bharat Petroleum, currently based in Bhubaneswar, where his leadership has propelled the franchise to become the highest retail sales performer in the eastern territory. With over 10 years of entrepreneurial experience, he specializes in business management, effectively navigating challenges and driving growth. In his free time, he enjoys reading prestigious and innovative business journals, which helps him stay informed about industry trends and best practices.



SANATH KUMAR SWAIN
Consultant, Cappgemini
B.Tech.(EEE) 2017-2021

Sanath is currently working as a Supply Chain Consultant at Cappgemini, where he specializes in project management and business analysis. With an MBA in Business Management, focusing on marketing and finance, he combines strategic insights with practical execution to enhance supply chain operations. In his free time, he enjoys music, public speaking, defense analysis, and playing badminton, reflecting his diverse interests and commitment to personal growth.

Alumni Desk

Visit our Alumni Portal at <https://alumni.silicon.ac.in/> & register yourself

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 Silicon University

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Compiled and Published by

Industry Interface Cell
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