

# SiliconTech

SILICON INSTITUTE OF TECHNOLOGY, BHUBANESWAR

A QUARTERLY NEWSLETTER

Volume 5 Issue 1 July-September 2023

## EDITORIAL

### Greetings from SiliconTech!

Overcoming all the negative impacts of the pandemic for a brief period, Siliconites have boldly stepped into yet another session to achieve milestones in all sorts of activities with confidence, be it in academics, research, or innovation. In fact, a highly desired vacation after a gap of three years has boosted the spirits among the faculty and the students on campus. This year, we have had a satisfactory enrolment in UG, PG, and Ph.D. programs and the campus looks busy and active with enthusiastic students running between the classrooms and laboratories, as the new semester just started.



Continuing with the regular academic activities, the II Cell successfully completed a series of valuable summer internship programs in trending subjects/areas like Power Systems, Artificial Intelligence, Data Science, Machine Learning, etc. for all three batches. SiliconTech signed some significant MoUs with Tata Power, Teleglobal International, and PHYTEC in order to provide advanced training and hiring initiatives in various demanding fields of technology. Students and faculty members have started collaborative research with reputed core industries like BALCO, HINDALCO, and others.

Celebrating with the spirit of the successful landing of Chandrayaan-3 on the lunar surface, students in the Silicon campus are also busy setting goals in developing technology for innovation and preparing to participate in various technical competitions including the Smart India Hackathon. The IEEE conference CCPIS on circuits power and intelligent systems organized by Silicon was highly acclaimed.

With the G20 summit declaring to accelerate strong, sustainable, balanced, and inclusive growth under its slogan "One earth, One family, and One future for the Planet, People, Peace, and Prosperity", let us all be a part of it with the maximum contribution for positive societal changes.

**Prof. (Dr.) Jayashree Das**  
DEAN, RESEARCH

## INSTITUTE HIGHLIGHTS



### 22nd Foundation Day

SiliconTech observed its 22nd Foundation Day on 10 September 2023 to commemorate the institute's establishment, celebrate the milestones achieved, and reflect on future goals. Commodore NP Pradeep, the Commanding Officer of INS Chilika and Naval Officer-in-Charge (NOIC) of Odisha, and Mrs. Bindu Pradeep, President NWWA Chilika graced the event with their esteemed presence. Commodore Pradeep delivered our Foundation Day Lecture on the topic 'Indian Navy – Keeping Pace with Technology'. He emphasized the opportunities for engineering graduates in the defense sector and encouraged participation in the Defence Innovation Challenge.



### International Conference on Circuits, Power, and Intelligent Systems (CCPIS 2023)

SiliconTech collaborated with IEEE to host CCPIS 2023, a three-day International Conference on Circuits, Power, and Intelligent Systems from 1 to 3 September 2023. The keynote speakers included Dr. Goutam Chattopadhyay, Senior Scientist, NASA Jet Propulsion Laboratory, US, Dr. Ramappa Nagaraja, Managing Director, PRDC Pvt. Ltd, Bengaluru, Dr. Bhaskaran Raman, Professor, IIT Bombay, Namerita Khanna, Director of RF-CMOS SoC Development at NXP Semiconductors, Dr. Satya Kumar Vankayala, Architect, Samsung R and D Institute, Bangalore, and Dr. Sandeep K. Shukla, Professor, IIT Kanpur.

Total Papers Received:	355
Papers Accepted:	152
Papers Registered:	132
No. of Technical Sessions:	19
Technical Tracks:	6
Participating Countries:	4

# NEWS AND EVENTS



## SiliconTech signs MoU with Tata Power to create a skilled workforce in the power sector

SiliconTech signed a Memorandum of Understanding (MoU) with Tata Power to implement the 'Train and Hire' program on 14 July 2023. As a part of this collaboration Tata Power, India's largest power generation company, will provide hands-on experience and skill development opportunities to students to prepare them for the power industry. SiliconTech students will work with Tata Power experts to gain expertise in automation, regulations, smart meters, and more. The partnership will foster joint workshops, hackathons, seminars, summer internships, and employment opportunities.



## SiliconTech signs MoU with Teleglobal International for training and hiring in the IT sector

SiliconTech signed a Memorandum of Understanding (MoU) with Teleglobal International, a leading company in IT services and technologies, for the 'train and hire' program on 8 August 2023. This collaboration will involve joint workshops, training, mentoring, and internships, including 6-month internships under the Practice School (PS) program. SiliconTech students and faculty members will work in the areas of cybersecurity and network management, benefiting from the knowledge and resource sharing with the experts of Teleglobal International.



## SiliconTech signs MoU with PHYTEC to enhance skill-based training, education, and research

SiliconTech signed a Memorandum of Understanding (MoU) with the global microprocessor solutions company, PHYTEC Embedded Pvt. Ltd. on 12 September 2023 to collaborate in skill-based training, research, and academic activities. As a part of this collaboration, PHYTEC will enhance the curriculum for SiliconTech's M.Sc. program in Embedded Electronics & IIoT, offer industry expertise, and support students with placement opportunities.



## QCFI's 5th Chapter Convention on Quality Concepts

SiliconTech hosted the Quality Circle Forum of India's (QCFI) 5th Chapter Convention on Quality Concepts (CCQC) from 9 to 10 September 2023 on the theme 'Nurture Quality Concepts for a Better Future'. Mr. Sashi Shekhar Mohanty, President of QCFI, Bhubaneswar Chapter, was the Chief Guest of the event. More than 800 delegates from various core and manufacturing industries like NALCO, BALCO (Bharat Aluminium Company Limited), Jindal Steel Power, Jindal Stainless, Tata Steel Mining, Visa Steel, Utkal Alumina (HINDALCO), Tata Steel, Bhilai Steel Plant, Tata Power, OMC (Odisha Mining Corporation), RCF (Rashtriya Chemicals and Fertiliser), Tata Consumer Products, and Paradeep Phosphates Limited shared insights and solutions to industry challenges.



### STTP on 'Development of Laboratory Instruction and Manual'

SiliconTech's Internal Quality Assurance Cell (IQAC) collaborated with the Bhubaneswar extension center of the National Institute of Technical Teachers Training and Research (NITTTR), Kolkata to organize a Short Term Training Program (STTP) on 'Development of Laboratory Instruction and Manual' from 17 to 21 July 2023. The five-day program was conducted by Dr. Subrata Mondal, Associate Professor, Mechanical Engineering, NITTTR, Kolkata. He shared the best practices for curating lab manuals. The participants visited the mechanical workshop of our institute where Dr. Mondal demonstrated a few activities using the equipment present in our workshop and conducted some hands-on sessions for the participants.



### FDP on 'Mathematical Concepts and Building Blocks for Simulation'

The Department of BSH organized a Faculty Development Program (FDP) on 'Mathematical Concepts and Building Blocks for Simulation' in two phases from 7 to 23 August 2023. The first phase was held from 7 to 11 August 2023 and the second phase was conducted from 21 to 23 August 2023. Dr. Saroj Kanta Misra, our Director who is also a Professor of Mathematics and an alumnus of IIT Kharagpur conducted the FDP. Eleven faculty members from various departments of SiliconTech participated in the FDP to learn about various topics like random number generation, probability distributions, and variance minimization techniques.



### FCBP on 'IoT Hands-on Approach'

The Department of CSE organized a six-day Faculty Competency Building Program (FCBP) on 'IoT Hands-on Approach' from 7 to 12 August 2023. The FCBP was conducted by Mr. Mukesh Singh, Senior IoT Developer at Robogenesis Digital Services Pvt. Ltd., Bhubaneswar. A total of 34 faculty members participated in the FCBP and delved into the development of IoT applications, focusing on the utilization of the Raspberry Pi 4 Model B board, an extensive range of modules, and various sensors. They also performed hands-on activities to gain valuable insights into IoT application development.



### Webinar on Cyber Security in Electrical Engineering

SiliconTech collaborated with IEEE Power and Energy Society (IEEE PES), Bhubaneswar Chapter to host a webinar on 'Challenges and Opportunities of Cyber Security in Electrical Engineering' on 25 August 2023. Dr. Bhavesh Kumar R. Bhalja, Professor, Department of EE, IIT Roorkee was the expert speaker of the webinar. In his address, he highlighted the importance, challenges, and opportunities of cyber security in electrical engineering. He also discussed the policies, procedures, and awareness regarding the cyber security issues in the network sector.



## 77th Independence Day

SiliconTech celebrated the 77th Independence Day on 15 August 2023 to commemorate India's freedom struggle and foster a sense of unity and patriotism. The celebration began with the hoisting of the national flag by our Principal, Dr. Jaideep Talukdar, and the singing of the national anthem by the audience. Dr. Talukdar addressed the gathering by reflecting on the nation's progress, challenges, and the responsibilities of its citizens in maintaining a just and free society. Silicon Quiz Club conducted 'INDIA QUIZ', its first online quiz session on this occasion, to unveil the understanding of the beauty of our nation. Dr. Ramaprasad Panda, Dean, Administration & Student Affairs awarded the winners of the walkathon and other competitions with prizes.



## Internal Hackathon@ Selection for SIH 2023

SiliconTech's Student Innovation & Promotion Cell (SIPC) conducted an internal hackathon at the institute level from 22 to 23 September 2023 to select teams for Smart India Hackathon (SIH) 2023. Out of 30 participating teams in both software and hardware categories, 22 teams in the software category and 2 teams in the hardware category were selected for the national level. The external members in the panel of judges included Dr. Rabindra Kumar Barik, Associate Professor, School of Computer Applications, KIIT University, Mr. Malay Kumar Padhi, Technology Architect, Infosys, Mr. Umasankar Das, Manager, Cognizant Technologies and Mr. Nitish Kumar, Senior Software Engineer, Mindfire Solutions.



## Obscura 2023

SiliconTech in collaboration with Ketaki Foundation Trust, Bhubaneswar organized 'Obscura 2023', a presentation and discussion on photography to celebrate World Photography Day on 19 August 2023. Mr. Satyabhusan Hota, Trustee of Ketaki Foundation Trust delivered the welcome address. The keynote address was delivered by the Chief Guest of the event, Mr. Sanjay Acharya, a well-known photographer. Mr. Jugal Debata, an eminent photographer and filmmaker addressed the gathering about the techniques of mastering photography. Dr. Jaideep Talukdar, our Principal delivered a talk discussing the various aspects of photography and eminent photographers invited from all over the country shared their knowledge, expertise, and experiences with the audience.



## Induction of 2023 B.Tech. Admission Batch

SiliconTech conducted a virtual orientation program on 26 August 2023, and an offline induction program from 7 to 9 September 2023 for the 6th B.Tech. batch under autonomy (2023-2027). Expert speakers including Dr. Ashok Kumar Sahu, Managing Director of Centre for Human Development and Neuro Linguistic Research (CHDNLR) & Former Executive Director of NALCO, Mr. Abhijit Sen, CEO of Syllogistek and Dr. Suvendu Narayan Mishra, Professor in Psychiatry, IMS and SUM Ultimate Hospital delivered talks in the induction program. A few of our alumni also interacted with the students in the hybrid mode and answered their queries related to the institute.



### Industrial visit to HINDALCO, Hirakud

SiliconTech's Industry Interface Cell (II Cell) organized an industrial visit to HINDALCO (Hindustan Aluminium Corporation Limited), Hirakud from 13 to 14 September 2023. HINDALCO, a flagship company of the Aditya Birla Group, is a leader in aluminium and copper. The visit aimed to offer practical insights into the industry, provide a comprehensive understanding of plant operations, highlight potential research, and explore the scope for possible collaborations. It will foster an academic-industrial partnership for research and consultancy, facilitated through the Practice School (PS) program at SiliconTech. Six faculty members and two students visited the plant.



### Industrial visit to NALCO Training & Research Centre

The II Cell at SiliconTech organized an industrial visit to NALCO Research & Technology Centre (NRTC) on 29 August 2023. National Aluminium Company Limited (NALCO), one of the largest integrated Bauxite-Alumina-Aluminium- Power Complex in the country, has established the state-of-the-art NRTC in Gothapatana, Bhubaneswar, equipped with cutting-edge testing facilities. This visit provided practical industry insights, fostered an understanding of industrial research, and technology trends, and explored potential collaboration opportunities. During the visit, experts from NRTC showcased high-tech instruments for various testing and R&D purposes, benefiting 12 faculty members who had the opportunity to enrich their knowledge.



### Sustainable Menstrual Health@ Awareness Program

SiliconTech collaborated with Vatsalya Wellness from IIM Ahmedabad to organize an awareness program on 'Sustainable Menstrual Health' on 13 September 2023. The program aimed to promote eco-friendly menstruation practices and raise awareness about the environmental impact of traditional menstrual products. Mr. Paritosh Anand and Ms. Chitranshi Baranwal, Co-founders of Vatsalya Wellness & Genie Pads, shared valuable insights on sustainable menstrual health and showcased their innovative products. A total of 125 participants attended the awareness program and pledged to create awareness about using sustainable menstrual products.



### Collaboration with NSS for awareness of menstrual hygiene

The SAGE-W team collaborated with the National Service Scheme (NSS) to organize a 'Menstrual Hygiene Awareness Initiative' in Mahima Nagar Basti, Bhubaneswar on 22 August 2023. Volunteers gathered women from the community in a communal hall and covered topics such as proper sanitary napkin usage, menstrual hygiene practices, waste management, addressing taboos, and seeking medical advice. The attendees were made aware of the Pradhan Mantri Jan Aushadhi Yojana, which provides affordable access to generic medicines. Sanitary pads were distributed from Jan Aushadhi stores to empower women and break menstrual taboos. The event was well-coordinated by student volunteers, with a commitment to 'Clean Periods, Brighter Futures.'



## Start-up Odisha Yatra 3.0 van campaign

Startup Odisha Yatra 3.0, a flagship initiative of Startup Odisha, conducted a van campaign at SiliconTech campus on 13 September 2023 to promote entrepreneurship and inspire young minds. Hon'ble Chief Minister Shri Naveen Patnaik launched this initiative on 11 September 2023 to nurture innovation, support grassroots innovators, and encourage women entrepreneurs. It plans to hold bootcamps in over 200 educational institutions across 30 districts in the state. Dr. Mahendra Prasad Agasty, Head of the Entrepreneurship Development Cell (ED Cell) addressed the gathering at the campaign and our students pitched their innovative ideas.

*NOTE: For further details on any news item, visit <https://silicon.ac.in/news/>*



## Participation in plantation drive organized by Govt. of Odisha

SiliconTech students participated in a plantation drive organized by the Government of Odisha on 17 September 2023 to restore the forest cover in the Sikharchandi hills and promote environmental sustainability. A total of 170 students from SiliconTech along with Mr. Nitai Gaur Dhall, our Trustee, Mr. Chandrajit Swain, our Administrative Officer, Mr. Subrat Kumar Sahoo, Faculty Coordinator, Silicon Green Club, and Mr. Rabinarayan Mohanty, Faculty Coordinator, NSS (National Service Scheme) participated in this drive. All the participants received certificates from the Government of Odisha.

## EMPLOYEES IN NEWS



**Dr. Aditya Acharya**, Associate Professor, ECE received the best paper award for his paper titled 'Enhancement of dark images in presence of optical sources using iterative homomorphic filter' in the 'Multimedia and Signal Processing' track at the International Conference on Circuit, Power, and Intelligent Systems (CCPIS-2023) held at Silicon Institute of Technology, Bhubaneswar.



**Dr. Annapuna Mishra**, Associate Professor, ECE received the best paper award for her paper titled 'Biogeography Based Optimized Hybrid Chebyshev FLANN for Fingerprint Classification' in the Intelligent Systems & Applications track at the International Conference on Circuit, Power, and Intelligent Systems (CCPIS-2023) held at Silicon Institute of Technology, Bhubaneswar.



**Dr. Manorama Swain**, Associate Professor, ECE, joined the University of Copenhagen, Denmark, as a post-doctoral scholar.



**Dr. Pamela Chaudhury**, Senior Assistant Professor, CSE, successfully completed the 'Introduction to Machine Learning' course offered by IIT, Kharagpur on the NPTEL platform scoring 82% marks. She earned an Elite Silver Certificate with a Topper Badge and was placed in the Top 5% among nearly 3500 candidates.

## RESEARCH AND PUBLICATIONS

Scopus/SCI Indexed journals: **5**

Conference Proceedings: **5**

Book Chapters: **1**

### Attitude Determination and Control System (ADCS) in CubeSats

The CubeSat Standard (1 unit of 10x10x10 cm<sup>3</sup> with mass < 1 kg) has become a popular small spacecraft technology that has opened space exploration to smaller organizations. Now, college students can build, launch, and operate CubeSats that enhance their skills in communications, control systems, embedded systems, mechanical and antenna design.

The talk on CubeSat by Dr. Goutam Chatopadhyay from NASA Jet Propulsion Laboratory (JPL) and Dr. Chinmoy Saha from Indian Institute of Space Science and Technology (IIST) on 2 September kickstarted SiliconTech's initiative to work on CubeSat R&D projects and one important area we started is Attitude Determination and Control System (ADCS).

Attitude control is the problem of ensuring the orientation of the satellite while in orbit. A standard control technique for larger satellites is thrusters, but the cost and miniaturization of thrusters make this prohibitive for smaller satellites. Therefore, attitude control for small satellites like CubeSats remains a challenge. Our goal is to study passive stabilization techniques for tiny/pico satellites, whose design is simple and robust and whose orbital behaviour can be predicted and simulated with accuracy.

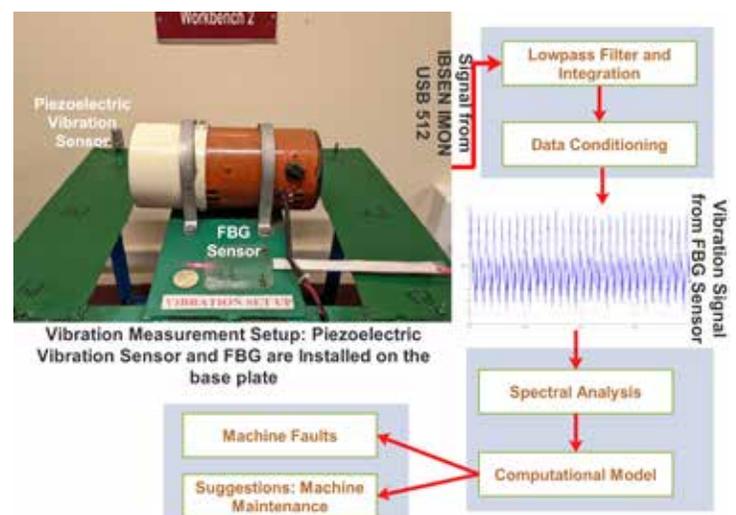


### Condition monitoring of rotating machines using Fiber Bragg Grating (FBG) sensors

A top priority in various industries is ensuring the safety, reliability, and efficiency of rotating machinery. Monitoring their condition is crucial to their proper operation. Vibration analysis is a widely utilized method for monitoring.

Over the recent years, Fiber Bragg Grating (FBG) sensors have gained prominence in the realm of condition monitoring for rotating machinery. By leveraging FBG sensors, real-time data on critical parameters such as strain, temperature, and vibration in rotating equipment can be acquired, enabling early detection of potential faults and deviations from normal operating conditions.

The SiliconTech Optical Sensor research group has made significant progress by developing a cutting-edge PolydimethylSiloxane (PDMS) embedded Fiber Bragg Grating (FBG) sensor tailored for vibration monitoring applications. The innovative design allows for exceptional flexibility, facilitating straightforward installation on various surfaces. A piezo-electric vibration sensor is also installed on the setup to calibrate the FBG sensor. This PDMS-embedded FBG sensor has been meticulously designed, fabricated, and rigorously tested within a state-of-the-art laboratory, showcasing its potential for advancing vibration monitoring technologies. A cutting-edge Ibsen I-MON high-speed FBG Interrogator interfaced with the National Instruments LabVIEW application is used to acquire real-time signals from the PDMS-embedded FBG sensing element.



# STUDENT ACHIEVERS



**Srijan Paul**

## Srijan Paul@Highest Package of 28 LPA

Srijan Paul, (CSE, 2023) has received a package of 28 LPA from DeepSource. It is the highest package in the B.Tech. batch of 2023. Prior to this, he joined DeepSource as an intern in 2021 and received a monthly stipend of INR 50,000 as a part of his 8th semester Practice School (PS) program.

## Placed@McKinley Rice with 20 LPA



**Sourav Mishra**  
CSE 2019–23



**Sumeet Naik**  
CSE 2019–23



**Mahavir Ganapati Dash**  
ECE 2019–23



**Aditya Narayan**  
CSE 2019–23



**Smruti Dash**  
CSE 2019–23



**Siddhant Sar**  
ECE 2019–23

## Placed@Workz, Dubai with 19 LPA

## Practice School (PS) Selectees from 7th semester B.Tech. graduating batch of 2024

### CODEBEAT@15K



**Sachit Tarway**  
CSE 2020–24



**Abhinav Kar**  
CSE 2020–24



**Sambit Kumar Nanda**  
CSE 2020–24



**Aniket Satapathy**  
CSE 2020–24

### ZeonAI@15k



**Amlan Das**  
CSE 2020–24

## SiliconTech students successfully complete SPARSH 2023, the flagship summer internship program of Tata Power (Odisha)

### Tata Power Western Odisha Distribution Limited (TPWODL)



**Surjyasnata Rath**  
EEE 2020–24  
(Best Presentation Award)  
(Tata Trivia Quiz Award)



**Lopamudra Das**  
EEE 2020–24



**Aditya Tuhin Sarkar**  
EEE 2020–24



**Subasis Panda**  
EEE 2020–24

### Tata Power Central Odisha Distribution Limited (TPCODL)



**Abhyudoy Senapati**  
EEE 2020–24  
(Best Case Study  
Presentation Award)



**Kalinga Krishna Sahoo**  
EEE 2020–24  
(Best Presentation Award)

# INDUSTRY INTERFACE CELL

## Placement Highlights

SiliconTech's II Cell has initiated the placement drives for the 2024 graduating batch from the first week of August 2023 in the hybrid mode. Despite the current market conditions, it is impressive that 15 companies, including some prominent companies like Accenture, Apmosys, Argusoft, CoreEL, Genpact, Incture, SAP Labs, and Surya Digital have participated in the drives. These companies have selected our students by offering them salaries in the range of 4.2 - 8 LPA.

## Pre-Placement Training

The Pre-placement training for the 2025 graduating batch started on 14 September 2023 in the virtual mode. The students who have enrolled in this course will be trained in aptitude, reasoning, soft skills, and programming skills. As part of this

training, 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

- A total of 37 students 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.
- Apart from this, 33 students have already been selected till date to do their PS program during the 8th semester.
- Most of the students selected for PS program will receive a monthly stipend in the range of INR 10000- 60000 during their internship period.
- The companies who participated in our PS drive and have selected our students for the PS program include.
  - **Apmosys**
  - **Argusoft**
  - **Aveti Plus**
  - **Code beat**
  - **Glosity**
  - **Haber Technology**
  - **Head Out**
  - **Incture**
  - **Kontempore**
  - **Mindfire Solutions**
  - **Points Analyst**
  - **PRDC**
  - **Squibix**
  - **Surya Digital**
  - **Teleglobal Solutions**
  - **Zeon AI**

## Summer Internship 2023

The second and third phases of the summer internship program 2023 for the 1st year and 2nd year students were conducted from 30 June to 5 September 2023. Over 1400 students participated in 22 skilling programs, aiming to improve their skills in various technologies. Industry experts mostly conducted these programs, covering topics such as Python Programming, Full Stack PHP, International Market Product Design PLM, Core Java, AWS master, VLSI, Machine Learning, SEO & Digital Marketing, Electronics Sensor Design, Front-end Web Development, Problem-Solving with Python, Mean and Mern Stack, Azure, Applied Machine Learning,

Django Full Stack Development, Data Science, Data Structures & Algorithms, Cybersecurity, and Digital CMOS VLSI Design using Verilog HDL.



# ENTREPRENEURSHIP DEVELOPMENT CELL

*The ED Cell has organized the following events in the July - September quarter*



## 1. World Entrepreneur's Day 2023

ED Cell in collaboration with the Institution Innovation Council (IIC) organized an expert talk by Mr. Suresh Nayak, Chairman, Silicon TechLab to celebrate World Entrepreneurs' Day on 21 August 2023. The objective of this event was to educate, inspire, and empower the audience by sharing strategies for navigating the challenges and opportunities that come with entrepreneurship. Mr. Nayak delivered an expert talk in which he shared his journey of being an entrepreneur and advised the students to invest wisely and create networks.

## 2. MSME Hackathon 3.0

SiliconTech's MSME (Micro, Small and Medium Enterprises) incubator conducted the MSME Hackathon 3.0 specifically for the women innovators on 30 August 2023. A total of ten innovative ideas were received out of which the two most promising ideas were selected to be forwarded to MSME, New Delhi, for the next stage of processing. Those ideas that successfully pass through the subsequent rounds will be eligible to receive funding of up to Rs 15 lakhs from the institute's MSME incubator for further development.

# ALUMNI BUZZ

SiliconTech's distinguished alumni played an integral role in the induction program for the 2023 B.Tech. Admission Batch. They generously shared their insights and experiences with the students, addressing all inquiries about the institute and its policies. Among the notable alumni were Rakesh Pany (EEE, 2011), Lead Cybersecurity Architect at Airbus, Akash Kumar, (CSE, 2022) pursuing postgraduation program at IIT Bombay, Dr. Manas Kumar Jena, (EEE, 2016) Assistant Professor at IIT Palakkad, Sreechandran Mallick, (EEE, 2016), Assistant Technology Manager, Lloyds Banking Group, UK, Sumanta Patro (CSE, 2012), Scientist at

TCS Research and Innovations Lab and Sabyasachi Mishra (ECE, 2006), Cine Star, Ollywood. They shared their journeys and discussed how SiliconTech has shaped their career.



## ALUMNI IN FOCUS



### PUNYATOYA DHAL

Senior Automation Consultant, LTIMindtree  
B.Tech. (ECE) 2013 - 2017

Punyatoya is a key member of the core AI Operations Centre of Excellence team at LTIMindtree in Bengaluru. In her current role, she excels in identifying automation opportunities and spearheads the end-to-end process of designing, developing, and deploying automation solutions for numerous clients. Her previous stint was at Capgemini, where she was selected through the campus recruitment drive held at SiliconTech. In her leisure time, she likes to experiment with new dishes, play badminton, explore new places and travel.



### MOHIT JETHI

Manager (Brand Marketing & Strategic Planning), TVS Motor  
B.Tech. (EEE) 2011 - 2015

Mohit is currently working as the Manager of Brand Marketing & Strategic Planning at TVS Motor. In this pivotal role, he creates innovative products and cultivates brand excellence within the premium 2-wheeler category. His strategic acumen extends to planning and executing business strategies that steer the company toward both short and long-term goals. After graduating from SiliconTech, Mohit did his MBA from Indian Institute of Management, Raipur. He likes to spend his leisure time by playing table tennis and badminton, going on bike rides, and exploring new places to experience various cultures.



### SATYA PRADA NAYAK

Associate - Projects, IDE - Full Stack Engineering, Cognizant  
B.Tech. (CSE) 2015 - 2019

Satya Prada is currently working as an Associate – Projects, IDE - Full Stack Engineer in Cognizant specializing in the insurance sector. His role involves translating product team requirements into innovative features, redesigning codebases, and sometimes building new applications from scratch. He fosters teamwork, coordinates with external teams, and ensures detailed requirements analysis. Outside of work, Satya enjoys playing badminton, reading books, and going on long drives.



### SPANDITA SAHOO

Senior Technical Consultant, Itron Inc.  
B.Tech. (AE&I) 2005 - 2009

Spandita Sahoo is currently working as a senior technical consultant at Itron Inc., a company specializing in distributed energy management, smart city, and industrial IoT solutions. Based in Austin, Texas, Spandita has been in the United States for nine years, with a brief stint in the UK in 2021. She started her career at Infosys, Bhubaneswar. Spandita enjoys visiting new places and trying diverse cuisines in her free time.

Alumni Desk

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

E-mail: [siliconalumni@silicon.ac.in](mailto:siliconalumni@silicon.ac.in) | Contact: +91 9937289499 | Extn: 351/352/353/354/356/358

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