Silicon University

SiliconTech

A QUARTERLY NEWSLETTER

Volume 5 Issue 4 April - June 2024

EDITORIAL

Greetings from Silicon!

It is my great pleasure and privilege to announce that Silicon Institute of Technology has been granted University status, via an Act of the State Legislature. Kudos to all the students, faculty members and staff who were part of this incredible journey. Currently, UGC lists about 455 State Private Universities in India, and now we are in that elite group of higher educational institutions.

Embarking on this new path we will adhere to our Statute, based on the Act, as the principal guiding document; this outlines the officers and authorities of the University and their functioning. As we adapt to our new roles and responsibilities, the core aspects of an educational institution take on greater importance - the teaching-learning process, continuous evaluations, research and consultancy, entrepreneurship and innovation, and outreach activities.

Our main goal will be to align with international standards and set the bar high, so that we produce quality research. Knowledge creation resulting from actively engaging in research is what separates a university from a college. To make a mark we will attempt to significantly increase our research output, boost our consultancy, and enhance our incubation activities. Appropriate committees have been formed and steps are being taken such that a foundation is laid for a thriving academic environment and a vibrant research ecosystem.

Placement activities which are now year-round, have gone reasonably well despite being in the shadow of a tech slow down, the last couple of years. More than 65% of the graduating batch have job offers and the placement is still going on. Practice School, our flagship one-semester training program, has gained continuous traction over the years and has resulted not only in good placements but also consultancy opportunities. Core companies have been hiring which bodes well.

We look forward to a promising year of high achievements by all our stakeholders under the new University setting.

Hope you enjoy this issue of our Newsletter!

Dr. Jaideep Talukdar
Vice-Chancellor, Silicon University

NEWS AND EVENTS

National Technology Day 2024

SiliconTech, the engineering institute of Silicon University, celebrated National Technology Day on 11 May 2024. The event featured an expert talk by Dr. Chitta Ranjan Mishra, a distinguished chemical scientist and technologist, renowned columnist, television anchor, accomplished author, and captivating orator. Dr. Mishra urged aspiring engineers to foster a profound scientific "hunger"—a relentless thirst for curiosity, inquiry, and a deep love for learning within their chosen field. He emphasized that nurturing this hunger would fuel their intellectual growth and problem-solving abilities. A total of ninety five students attended the event to enhance their knowledge about recent technical advancements.

World DNA Day 2024

Silicon collaborated with inDNA Life Sciences Pvt Ltd to celebrate World DNA Day on 25 April 2024. The event raised awareness about genetics in disease diagnosis, treatment, and prevention. Professor Sridhar Sivasubbu from Vishwanath Cancer Care, Bangalore shared his journey in the field of genome sciences. Dr. Nibedita Jana, Chief Operating Officer (COO) at the Institute of Life Sciences (ILS), advocated exploring invention, creativity, and entrepreneurship in DNA discoveries. Dr. Ramray Bhat, Associate Professor at the Indian Institute of Science (IISc), Bangalore, discussed extracellular matrix interactions in cancer. Dr. Divya Sriram, an adjunct professor at the JBS Haldane Center highlighted entrepreneurial opportunities in DNA-based healthcare technologies.

IEEE PES Day 2024

The Department of Electrical and Electronics Engineering (EEE) at Silicon collaborated with the Institute of Electrical and Electronics Engineers (IEEE) Students Chapter, the IEEE Bhubaneswar Subsection, and the Power & Energy Society (PES) Chapter, Bhubaneswar to celebrate the IEEE PES day on 24 April 2024. The event included a technical talk on 'Transformation of Last-Mile Mobility in India' by Ms. Rupa Patanaik Pradhan, Circle Revenue Manager, Tata Power Central Odisha Distribution Limited (TPCODL). The PES Day celebration also comprised of a poster-making competition on the topic 'Transformation of Last-Mile Mobility in India'. A total of twelve students participated in the competition.

Workshop on 'Flutter'

The Department of Computer Science and Engineering (CSE) at Silicon collaborated with the Google Developer Students Club (GDSC) to organize a workshop on 'Flutter' on 19 April 2024. The workshop, part of the Summer of Tech initiative, educated students on new technologies and skill development. Industry expert Abhijeet Mohapatra from Smartters, Bhubaneswar conducted the workshop. He provided practical insights into Flutter's features and cross-platform efficiency. He further emphasized Flutter as the primary tool for Google Fuchsia app development, showcasing its capability to create apps for iOS and Android from a single codebase.

Workshop on 'Blockchain'

The Google Developer Students Club (GDSC) at Silicon collaborated with CrewSphereICP to organize a workshop on 'Blockchain' on 27 April 2024 as part of the Summer of Tech campaign. The workshop aimed to educate participants on blockchain technology, focusing on its latest research and industry applications. They explored hash functions' key attributes—concealment, determinism, collision resistance, and puzzle-friendliness—and studied blockchain's structure as a tamper-resistant linked list of hashed data blocks. A live code demonstration illustrated basic blockchain operations, reinforcing comprehension of consensus mechanisms, block creation, and hashing techniques.

Workshop on 'React'

The Department of Computer Science and Engineering (CSE) at Silicon collaborated with the Google Developer Students Club (GDSC) to organize a workshop on 'React' from 29-30 April 2024. The workshop aimed to provide participants with a deep understanding of React principles and practical applications. Deepjyoti Nayak (CSE, 2025), Outreach Lead of GDSC Silicon led the first day, covering React basics, React Hooks, and environment setup. Abhinav Singh (CSE, 2025), Web Development Lead of GDSC Silicon led the second day, exploring the Gemini API, API key generation, and integrating Gemini for context responses and button functionality in machine learning stacks.

Workshop on 'Robotics'

The Silicon Robotics and Circuit Club organized a workshop on 'Robotics' on 26 April 2024. The objective of the event was to foster knowledge exchange, collaboration, and innovation in the field of robotics. One of the keynote speakers, Mr. Satish Kumar Das, an Assistant Professor at Silicon, highlighted the future of robotics, focusing on autonomous systems and their potential applications. The second speaker, Priyanshu Das, our student discussed advancements in line follower and manual robots, emphasizing the impact of robotics on efficiency and cost-effectiveness in manufacturing. The event also featured a hands-on session on robotics programming using Python and ROS (Robot Operating System).

Workshop on 'Machine Learning'

The Department of Computer Science and Engineering (CSE) at Silicon, in collaboration with the Google Developer Students Club (GDSC), organized a 'Machine Learning' workshop from 24-26 April 2024. Led by Ansuman Parija, AI/ML Lead at GDSC Silicon, the workshop began with an introduction to machine learning basics, covering supervised and unsupervised learning, regression, classification, clustering, and various models. The second day featured practical applications with interactive labs using sci-kit-learn, pandas, and Numpy. Participants explored real-world examples of machine learning. The final day concluded with a project showcase on data preprocessing, model development, evaluation, and validation.

Drone Workshop

Silicon Innovation and Promotion Cell (SIPC) and Institution's Innovation Council (IIC), in collaboration with UDR Technology, Bhubaneswar, organized a Drone workshop from 14 to 28 May 2024. The workshop provided participants with a comprehensive introduction to the world of drones, designed for individuals with little to no prior experience. Over two weeks, 32 students gained theoretical knowledge, practical skills in assembling a drone, and learned to calibrate and fly it safely. The workshop equipped participants with the necessary skills to calibrate a drone and remote control, ensuring safe and controlled flight, and included flight training from 23 to 28 May emphasizing the importance of pre-flight checks.

Skill Project Exhibition

The Department of Electronics Engineering (EE), in collaboration with the Silicon Innovation Promotion Cell (SIPC), organized a Skill Project Exhibition on 9 May 2024. The event aimed to nurture a new generation of skilled creators by fostering creativity and hands-on learning. The exhibition highlighted the spirit of competition that drives technological innovation, featuring projects from over 150 participants. The judging panel included Dr. Saroj Rout, Dr. Jayakrushna Mohanty, Dr. Jayant Praharaj, and Dr. Rajan Mishra. This event successfully bridged the gap between concept and product manifestation, promoting a culture of practical, innovative engineering.

Seminar on 'Defence Innovation and Excellence'

Silicon collaborated with Odisha Corporate Foundation (OCF) to organize a seminar on 'Defence Innovation and Excellence' on 6 April 2024. Brigadier K.K. Nayak, former Deputy Director General of Army Headquarters & Scientist F delivered a presentation on 'Defence Indigenization and Procurement'. Mr. Om Prakash, Chief Operating Officer (COO) of IG Drones shared his presentation on 'Defence manufacturing: Journey of IG Drones'. Mr. Deepak Singh, Senior Consultant (Investment Promotion) at Industrial Promotion& Investment Corporation of Odisha Ltd. (IPICOL) gave his insights on 'Defence and Aerospace Policy of Odisha'. Budding entrepreneur Mr. Satyabrata Satpathy, Chief Executive Officer (CEO), Co-Founder, and Director of BONV Technology Pvt. Ltd. shared his journey of being an entrepreneur in the defence sector.

Hands-on session on 'Printed Circuit Board Design'

The Department of Electrical and Electronics Engineering (EEE) at Silicon collaborated with the Institute of Electrical and Electronics Engineers (IEEE) Student Chapter to organize a one-day hands-on session on 'Printed Circuit Board (PCB) Design' on 20 April 2024. The session was conducted by Mr. Kunal M, Founder & Director, Logiczap NextGen Technologies, Kolkata. Mr. Kunal started with a brief introduction to software installation, component footprint, schematic diagram creation, basic software controls, and routing techniques. A total of seventy three students participated in the session to acquire practical skills in designing single-sided and multilayer printed circuit boards. In the hands-on session, they created a multilayer PCB with DIP/SMD components for a voltage regulator and a single-sided PCB for an infrared sensor.

'Software Sprint: A Software Engineering Competition'

The Google Developer Students Club (GDSC) at Silicon collaborated with the Department of Computer Science and Engineering (CSE) to organize 'Software Sprint: A Software Engineering Competition' on 5 May 2024. Participants learned about agile methodologies like Scrum and Kanban, coding standards, testing strategies, and the Software Development Lifecycle (SDLC). B.Tech. students from the 2026 and 2027 batches showcased their software engineering skills by developing innovative project concepts. The projects were presented to a panel of experts, including industry professionals Mr. Nihar Ranjan Rout and Mr. Akash Mohapatra, and Silicon faculty members Dr. Pulak Sahoo and Dr. Saumyaranjan Das.

'Hack-O-12', a Hackathon

The Indian Society for Technical Education (ISTE) Student Chapter at Silicon collaborated with the Silicon Innovation and Promotion Cell (SIPC) to organize 'Hack-O-12', a hackathon on 27 April 2024. The event aimed to enhance participants' time management, collaboration, problem-solving, and coding skills while fostering creativity. 'Hack-O-12' evaluated logical reasoning and problem-solving under time constraints. Participants generated ideas in various areas, including the Internet of Things (IoT), Augmented Reality & Virtual Reality (AR/VR), finance tech (FinTech), social impact, and education tech (EdTech). Each team used different technologies to implement their concepts.

Industrial visit to Vedanta FACOR

SiliconTech, the engineering institute of Silicon University, organized an industrial visit to Vedanta Ferro Alloys Corporation Limited (FACOR) located at Bhadrak, Odisha on 26 April 2024. The objective of the visit was to gain valuable insights into the latest technological advancements and operational excellence at one of India's leading manufacturers of high-carbon ferrochrome alloys. The visit also aimed to explore avenues for collaboration in solving technical bottlenecks. The experts from Vedanta-FACOR provided an overview of the plant's procedures and sustainability programs. Our team visited the furnace and Captive Power Plant (CPP) areas and discussed technical advancements with the experts. The visit was highly informative and successful.

Industrial visit to HINDALCO

Silicon has made a significant stride in fostering collaboration with Hindustan Aluminium Corporation Limited (HINDALCO) through an enriching engagement with the HINDALCO Hirakud Plant. During a visit on 20-21 May, 2024, Silicon's collaboration with HINDALCO focused on three key areas: Electrical Power System, Rodding Plant, and Compressed Air System. Within these domains, 33 problem statements were identified, and 14 were selected for further exploration. HINDALCO, a flagship company of the Aditya Birla Group, is a prominent leader in Aluminium and Copper production. Nestled in the scenic Sambalpur district of Odisha, the Hirakud Plant features one of the nation's oldest Aluminium Smelter Plants and sophisticated rolling mills.

World Earth Day 2024

The Youth for Sustainability (YfS) Silicon Chapter collaborated with the Silicon Green Club (SGC) to organize 'Aquaovation', an awareness program, on 20 and 22 April 2024 to celebrate World Earth Day. 'Aquaovation' featured an expert talk by Mr. Dharmananda Sundaray, Campaign Manager of Youth4Water Plus movement. He emphasized the impending threat of water scarcity and shared the proactive measures to combat it. Furthermore, the event comprised of two competitions– an extempore competition, 'Off the Cuff', and a painting competition, 'Splash the Colours'. Mr. Jitendra Kumar Nayak, Assistant Establishment Officer, was also felicitated in the event for exemplary water-saving efforts.

World Environment Day 2024

The Institution's Innovation Council (IIC) at Silicon collaborated with the Silicon Green Club (SGC) to conduct a plantation drive within the college campus on 5 June 2024 to celebrate World Environment Day. This year's World Environment Day campaign focused on land restoration, desertification, and drought resilience under the slogan "Our land. Our future. We are #GenerationRestoration". The campaign theme emphasized that we must urgently protect our environment by prioritizing the restoration of land and combating desertification. The students and staff of Silicon came together to plant saplings on World Environment Day. They prepared the soil and selected native plants for better growth.

International Day of Yoga 2024

The Silicon Students Council (SSC) organized a vibrant yoga session to celebrate the International Day of Yoga (IDY) on June 21, 2024. Mr. Prasant Kumar Mallik, our esteemed yoga teacher, skillfully demonstrated various yoga postures, which were simultaneously performed by the enthusiastic participants. Several asanas, including Pawanmuktasana, Katichakrasana, Tadasana, Bhujangasana, Utthanapadasana, and Surya Namaskar, were practiced. The session concluded with meditation and Shavasana, promoting a sense of tranquility and relaxation. A total of twenty-five students, staff, and faculty members participated, embodying the spirit of the day. The theme of IDY 2024, 'Yoga for Self and Society,' emphasized the importance of physical and mental well-being for the entire community, raising awareness about the holistic benefits of yoga.

Faculty Connect Program

Silicon conducted its first Faculty Connect Program on 11 May 2024. The program aimed to provide a platform for university faculty members to discuss and understand important academic procedures and initiatives. Dr. Jaideep Talukdar, the Vice-Chancellor, delivered the welcome address. Dr. Debabrata Kar, Dean (Instruction), outlined updates to academic regulations and curriculum. Dr. Saroj Kanta Misra detailed Silicon's teaching-learning practices, while Dr. Ramaprasad Panda, Dean (Student Affairs) explained admission procedures. Dr. Chittaranjan Behera covered the student mentorship program, and Dr. Manoranjan Behera, Dean (Research & Consultancy) discussed Ph.D. rules and research opportunities. Prof. Pradipta Kumar Mohapatra, the Registrar, addressed HR matters, and Dr. Saroj Kanta Misra concluded the session.

Sports Award Ceremony

Silicon Sports Club celebrated the sports champions on 18 April 2024. The Sports Award Ceremony honoured the remarkable achievements and dedication of our student-athletes. New initiatives were also launched to enhance our sports clubs.

Inauguration of Gateball Club

Silicon inaugurated the Gateball Club on 20 April 2024. The club welcomes both seasoned players and novices alike. After the inauguration, a friendly match between IGU and Silicon University was held, showcasing the excitement of this newly launched endeavour.

Farewell for B.Tech. 2024 graduating batch

Silicon bade a fond farewell to the B.Tech. graduating batch of 2024 on 18 May 2024 in the North Lawn of the campus. The students fondly reminisced their time at Silicon, making everyone feel nostalgic. The Industry Interface Cell (II Cell) acknowledged the achievers of the 2024 for their extraordinary achievements.

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

EMPLOYEES IN NEWS

Dr. Debangana Das, Assistant Professor, Electronics Engineering (EE), is one of the inventors of the patent entitled ' A Formulation of Eco E-Paint for Flexible Electronics' that was granted on 4 March2024. The invention is a conductive eco-friendly paint made from natural elements, replacing wires in flexible electronics. Successfully tested on various surfaces, it is now used commercially.

Dr. Santunu Sarangi, Assistant Professor, Electronics Engineering (EE), is one of the inventors of the patent entitled 'On-Chip Jitter Measurement System for High-Speed Data and Clock' that was granted on 9 April 2024. The invention is an on-chip system to measure peak-to-peak jitter in data and clock signals using sub-rate clock edge sampling and a scanning edge, with a control circuit and sample/hold circuit.

RESEARCH AND PUBLICATIONS

- Scopus/SCI Indexed journals: **21**
- Conference Proceedings: **7**
- Book Chapters: **4**
- Patents: **2**

Patent Granted for an invention entitled 'A SOLAR PHOTOCATALYTIC PROCESS FOR TREATMENT OF WASTEWATER'

This invention relates to a solar photocatalytic process for the treatment of wastewater. Particularly, this invention is related to a solar photo-catalytic process wherein inert material balls coated with Titanium dioxide (TiO_2) nanoparticles are used to degrade the wastewater and further, re-using the same balls multiple times in the said process.

To date, a lot of studies showing the photocatalytic ability of Titanium dioxide (TiO_2) nanoparticles are readily available in the literature. However, most if not all the research that has been examined have specifically targeted individual heavy organic chemicals that are degraded to carbon dioxide and water, typically. This photocatalytic technique has not been applied to domestic wastewater (sewage) treatment, although it has been applied to regular water treatment and some specific applications of industrial wastewater treatment like effluents from paper mills and textile dyes.

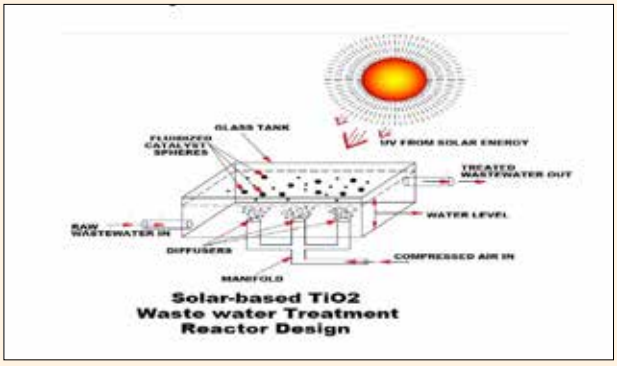
Untreated sewage is one of the leading polluter of water sources in India, causing a host of diseases and often resulting in agricultural contamination, and environmental degradation.

To treat domestic wastewater (sewage) this patented process uses an immobilized reusable TiO_2 photo-catalyst and solar energy to treat wastewater. The photocatalyst comprises of TiO_2 nanoparticles impregnated on inert Silica glass spheres. Wastewater containing this catalyst on exposure to sunlight for a few hours show a significant reduction of biochemical oxygen demand (BOD).

This technology is very scalable, from small batch reactors to large tanks / ponds and continuous flow reactors that can conceivably treat significant volumes of water, in rural and urban settings.

Novel Features of the Process and Reactor

1. Utilization of Solar Energy to treat wastewater (sewage)
2. TiO_2 catalyst for photo-catalytic action on waste water - TiO_2 coated/impregnated on 5mm SiO_2 spheres, showing very strong attachment. TiO_2 nanopowder has been coated on 5 mm spheres using the reaction of a solution of TiO_2 powder with 2- propanol and nitric acid; Polyethylene Glycol is added to provide porosity in the TiO_2 layer so that area of interaction will be a maximum, followed by heat treatment. Prior to doing wastewater treatment, as a trial basis a similar experiment was tried with a dye. Methylene Blue (a dye) solution with the TiO_2 coated balls was exposed for 4 hours in solar radiation; this resulted in noticeable degradation of the Methylene Blue even at 40 ppm concentration.
3. Reusable catalyst, shows virtually no loss of performance when used repeatedly.
4. Low power cost associated with the invention.
5. A 3-phase fluidized bed photo-reactor is shown in the below diagram. So far, trial runs have only been made with a batch reactor. The continuous flow 3-phase fluidized bed reactor will be fabricated and tested on a laboratory scale in the near future. The coated titanium oxide spheres are 'fluidized' by fluidizing air in a slow-flowing water medium.



The inventors are Dr. Jaideep Talukdar, Dr. Debi Prasad Das, and Mr. Bipin Bihari Tripathy. The patent holder is Silicon Institute of Technology (now, Silicon University).

STUDENT ACHIEVERS

Putul Kumari
CSE 2024

Arunav Mishra
CEN 2024

Putul Kumari placed @Flipkart with 32.5 LPA

Putul Kumari (CSE, 2024) secured an SDE role at Flipkart with a 32.5 LPA package as part of their 'Women in Tech' initiative. An expert in DSA and coding, she excelled in hackathons and coding contests by regularly competing on CodeChef, LeetCode, and Codeforces. She did her 1st year internship in DSA at Silicon. During her second year, she interned at IISc Bangalore, working on Cytocube, an automated microscopy system. In her 8th semester, she joined Zeon AI Labs for the Practice School (PS) program, focusing on document processing and cleaning using various machine learning and deep learning models.

Arunav Mishra joins MS Program @New Jersey Institute of Technology, USA

Arunav Mishra (CEN, 2024) has been selected for the Master of Science in Computer Science program at the New Jersey Institute of Technology (NJIT), USA. His expertise lies in web technologies and cloud computing techniques. He recently completed his Practice School (PS) program as an intern at Argusoft India Ltd. and was offered a full-time role there as a Programmer Analyst Intern. His hobbies include cricket, motorsports, and biking.

Practice School Selectees with a stipend between 15K – 30K per Month

Haber@30K

Diptiranjan Sahoo
CSE 2021–25

Anshuman Nayak
CST 2021–25

Arpita Behera
CSE 2021–25

Surya Digital@15K

Antaryami Sahoo
CSE 2021–25

Anubhav Kumar
CSE 2021–25

Cheerag Routray
CSE 2021–25

PCON UTILITIES@20K

Armaan Biswal
EIE, 2021-25

Winners & Runners-up in Brahmastra, Season-II, Annual Fest of Regional College of Management

Winner, Codathon

Niranjan Panigrahi
MCA 2023-2025

Priti Pralipta Rout
MCA 2023-2025

1st Runners-up, Codathon

Uttam Kumar Jena
MCA 2023-2025

Hrusikesh Padhy
MCA 2023-2025

2nd Runners-up, Codathon

Chittaranjan Bal
MCA 2023-2025

Satyajeet Rout
MCA 2023-2025

1st Runners-up, Graphics Grova

Shubranshu Das
EEE 2021-2025

Jagannath Patra
CSE 2022-2026

Kalinga International Model United Nations

Namrata Mishra
CST 2020-2024
Best Delegate, UNHRC

Adarsh Agrawala
EEE 2023-2027
Best Delegate, UNGA-DISEC

INDUSTRY INTERFACE CELL

Placement Highlights

Despite being in the shadow of a tech slowdown the last couple of years, the placement scenario at our campus is quite positive. Last year, 83% of the eligible students had been placed. This year, the placement is still going on, and, as of now, more than 65% of the students have been placed. The highest pay package offered till date is 32.5 LPA. Placement snapshot for eligible students, is given below.

B.Tech.*

- 65% Students placed
- 65 Companies participated
- 331 Job offers
- 4.93 LPA Average package
- 32.5 LPA Highest package

MCA*

- 50% Students placed
- 33 Companies participated
- 8.5 LPA Highest package

M.Sc. (Data Science)*

- 40% Students placed
- 15 Companies participated
- 6 LPA Highest package

* Placement is continuing

Practice School (PS) Highlights

2024 Graduating Batch

- The Practice School (PS) program of SiliconTech successfully completes three years.
- A total of 261 students from the B.Tech. 2024 batch had opted for PS in their final year. The selected students got a monthly stipend between 8K and 60K during their PS program.
- The number of students who opted for PS along with the number of PS Stations have more than doubled in 2024 as compared to 2022.
- The number of PS stations in the core sector has increased by almost three times in 2024 as compared to 2022.

2025 Graduating Batch

The PS program for B.Tech. 2025 has started. As on date, 7 students have been selected for PS at Haber, PCON UTILITIES, and Surya Digital, with stipend in the range15K-30K per month. Other companies like Glosity and ZeonAI, Vedanta, Hindustan Zinc, Hindalco, FACOR and BALCO are in the pipeline.

Summer Internship 2024

SiliconTech is conducting its 2024 Summer Internship program in two phases. The Summer Internship program for the 2025 graduating batch has started and will be concluded by 18 July 2024. 524 students participated in 15 skilling programs, aiming to improve their skills in various technologies. Industry experts mostly conducted these programs, covering topics such as AI/ML, IoT, Digital Marketing, and others. The Summer Internship program for the 2026 & 2027 graduating batches will be conducted from 25 June to 20 July 2024.

ENTREPRENEURSHIP DEVELOPMENT CELL

The Entrepreneurship Development Cell (ED Cell) and the Institution's Innovation Council (IIC) organized several interesting events in the April-June quarter.

World Creativity and Innovation Day

The IIC and ED Cell celebrated World Creativity and Innovation Day on 21 April 2024. Mr. Deepak Choudhury, a powerful coach and passionate speaker addressed the participants on this occasion. Mr. Choudhury motivated the participants to ignite their creativity and innovative spirit by citing several practical examples from across the world. Participants learned to turn innovative ideas into successful ventures through interactive discussions, where they presented their unique start-up ideas. Furthermore, Mr. Choudhury shared his insights on creating effective business models, strategic planning, and conducting market research to ensure success. He also addressed their questions and helped them select the best available options for their ventures. The session was attended by fifty students and faculty members.

World Intellectual Property Day

The IIC and ED Cell celebrated World Intellectual Property Day on 26 April 2024, with Dr. Amaresh Panda, Head of the Technology Transfer Office at KIIT-TBI, sharing his expertise in Intellectual Property and Technology Transfer. Seventy students, faculty, and industry professionals engaged in discussions on market research, business planning, financial planning, and intellectual property protection, enhancing their understanding and interest in intellectual property rights. Additionally, the IIC and ED Cell hosted a session on 'How to Plan for Start-up: Legal and Ethical Steps,' where Dr. Panda discussed market research, business and financial planning, and intellectual property protection, deepening the knowledge of eighty participants and emphasizing strategic planning, collaboration, and ethics in startups.

Mentor-Mentee Program

The IIC organized a two-day Exposure Visit cum Training Program for mentee institutes from 10-12 May 2024. Mr. C.R. Patnaik's presentation on 'Why Entrepreneurship' covered entrepreneurial competencies and the appeal of becoming an entrepreneur. Mr. Visal JC's session on 'Design Thinking' explored funding opportunities for pre-incubation and incubation facilities. In the afternoon, Mr. Patnaik led a session on 'Achievement Motivation Training (AMT)'. The day ended with a guided tour of pre-incubation centers, including the ED Cell and Incubation Centre. The second day began with another AMT session by Mr. Patnaik. Mr. Deepak Chaudhury discussed identifying viable business opportunities, followed by in-depth discussions on the Business Model Canvas. Dr. Amresh Panda offered insights into technology commercialization and intellectual property (IP).

Innovation Challenge

The IIC and ED Cell hosted The Innovation Challenge from 10-12 May 2024. Inaugurated by our Vice-Chancellor, Dr. Jaideep Talukdar and the President of IIC, Dr. Mahendra Prasad Agasty, the 'Yukti Innovation Challenge' featured student teams presenting creative solutions to societal issues. Participants competed for access to the Yukti Portal, cash prizes, and incubation opportunities. The 'Prototype Exhibition' on 10 May showcased 145 participants, with 90 hardware and 55 software projects highlighting students' technical skills. The 'Build-A-Thon' held on 11-12 May was a 12-hour innovation marathon, focusing on developing Minimum Viable Products (MVPs) addressing real-world problems and enhancing entrepreneurial skills through workshops and activities. The event promoted collaboration among students, industry experts, and mentors.

ALUMNI IN FOCUS

NITISH KUMAR
B.Tech. (CSE) 2017-2021
Senior Software Engineer, Mindtree Digital LLP

Nitish is currently working as a Senior Software Engineer at Mindfire Digital LLP, specializing in iOS development, Android, implementation, AWS, and QA Automation. With an entrepreneurial spirit, Nitish co-founded Ingenious Tech-World, a major E-learning tech hub providing innovative tech solutions to enterprises. Previously, he led the tech division at his venture 'FirstHarvest'. Outside of work, Nitish enjoys exploring new technologies, developing innovative solutions, and venturing into new business ideas.

ANUSHREE BERA
B.Tech. (CSE) 2013-2017
Senior Software Engineer, Tech9

Anushree is currently working as a software engineer at Tech 9, leading a team of 5-10 engineers. With over seven years of experience, she has expertise in multiple tech stacks for web development, including LAMP and MERN, and specializes in AWS solutions architecting at scale. Her key differentiator is her accountability and ability to embrace stakeholders' problem statements. Despite the challenging job market post-COVID-19, Anushree engages with freshers during her idle time, helping them acquire the right skills to secure jobs. She aspires to start a software services company and is steadily working towards this goal. In her leisure hours, she enjoys 'me time' and spending quality time with her family.

ANURUP MOHANTY
B.Tech. (AE&I) 2006-2010
Associate Consultant, TCS

Anurup is currently working as a Senior Business Analyst and Team Lead in the Financial Crime and Anti-Money Laundering domain for a major bank in the UK. With over 13 years of experience in the software industry, he has excelled in various roles including Test Lead, Test Manager, Business Analyst, Scrum Master, and Delivery Lead. Anurup's expertise lies in data analytics, business intelligence, and business analysis within the banking domain. His professional accolades include the 'Golden Guru Gala 2023' and 'High Potential Performer 2020' awards, among others. In his leisure time, Anurup enjoys listening to music and playing cricket.

RAJIB KUMAR NAYAK
B.Tech. (EEE) 2015-2019
SDET 3, Walmart Global Tech India

Rajib is currently working as a Software Developer Engineer in Test (SDET) 3, gaining significant exposure to real-time software industry trends and the latest technologies, which has been instrumental in shaping his career as a Tester. With a total of 5 years of industry experience, starting from Infosys and now at Walmart, Rajib has consistently embraced challenges as opportunities to enhance his personality and skills. His journey through these esteemed companies has equipped him with a robust understanding of software testing and development, driving his continuous professional growth.

Alumni Desk

Visit our Alumni Portal at ***https://alumni.silicon.ac.in/*** & register yourself
E-mail: ***siliconalumni@silicon.ac.in*** | Contact: ***+91 9937289499*** | Extn: ***351/352/353/354/356/358***

Silicon University

Please send your feedback /suggestions to **pcell@silicon.ac.in**

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Industry Interface Cell
Silicon University
Silicon Hills, Patia, Bhubaneswar, Odisha, India 751024
Ph: +91 9937289499 Extn: 352 / 354 / 356 / 358
Visit us at: **www.silicon.ac.in**