Silicon University

SiliconTech

A QUARTERLY NEWSLETTER

Volume 7 Issue 2 October-December 2025

EDITORIAL

Greetings from Silicon!

As we present the October–December edition of the Silicon University Newsletter, we reach a meaningful juncture — one that invites reflection on our achievements and anticipation of the path ahead. The concluding quarter of the year has been marked by academic engagement, student accomplishments, and strengthened collaborations that continue to define Silicon University's culture of excellence.

During this period, our students and faculty actively engaged in industry-oriented learning through consultancy projects, industrial visits, and hands-on technical boot camps. These experiences reinforce our instructional philosophy — one that values conceptual clarity, practical relevance, and the ability to translate knowledge into solutions for real-world challenges.

Our students' successes at national and international platforms, including global hackathons and technical competitions, reflect their creativity, teamwork, and perseverance. These achievements are a source of pride for the institution, while also setting higher expectations for academic rigor, innovation, and professional conduct. This quarter also coincides with an important moment of transition and renewal. As part of Silicon University's continuing journey during its Silver Jubilee year, we welcome Prof. Saraju Mohanty as the Director of SiliconTech, the engineering institute of the University. With his distinguished academic career, global research exposure, and commitment to high-impact engineering education, his leadership signals a renewed focus on research excellence, interdisciplinary learning, and global academic standards. We look forward to the new perspectives and opportunities this leadership will bring to our students and faculty alike.

I would like to encourage our students to take thoughtful ownership of their academic journey by engaging deeply with learning beyond examinations. Through active participation in classrooms, laboratories, projects, and industry exposure, they must strive to develop strong technical competence along with integrity, resilience, collaboration, and social responsibility. These attributes, nurtured at Silicon University, are central to shaping capable professionals and thoughtful leaders prepared to contribute meaningfully in a dynamic world.

I extend my sincere appreciation to our faculty and staff for their dedication to academic quality, and to our alumni and industry partners for their continued support. Let us reflect on what we have achieved and translate that learning into purposeful action in the times ahead.

Dr. Debabrata Kar
Dean (Instruction), Silicon University

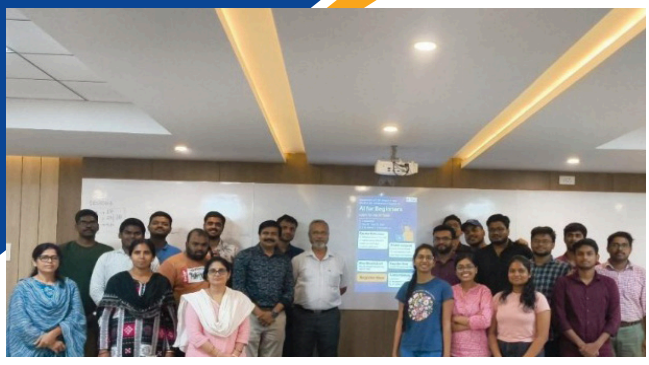
INSTITUTE HIGHLIGHTS

Energy Conservation Award 2025

Silicon University was honored with a Certifcate of Appreciation on National Energy Conservation Day 2025, in the Educational Institute category by State Designated Agency (SDA) Odisha. The award was presented to Dr. Nivedita Pati and Dr. Priyanka Kar from the Department of Electrical and Electronics Engineering (EEE) for their dedication to promoting energy conservation through sustainable campus practices and student initiatives. This recognition underscores the university's ongoing commitment to environmental sustainability and its contribution to fostering a greener, energy-efficient future.

NIRMAN 5.0

The Student Innovation and Promotion Cell at SiliconTech, the engineering institute of Silicon University hosted NIRMAN 5.0 from 28 to 30 November 2025, aiming to enhance students' technical skills and foster innovation. The event featured competitions like Robo Sumo, Drone League, and HackNation, allowing students to showcase their problem solving abilities and creativity. Prominent industry leaders, including Mr. Kabisurjo Choudhury, Jio State Head, Odisha, and Dr. Debakaanta Mishra Segment Delivery Head, Tata Consultancy Services, emphasized the importance of technical excellence and entrepreneurship. With over 1,300 participants from 35 colleges, NIRMAN 5.0 successfully promoted collaboration, innovation, and the development of key skills in the tech field.



AI Development Bootcamp

The Department of Computer Science & Engineering (CSE) at SiliconTech organized the 'AI Development Bootcamp', every Saturday from 8 to 29 November 2025. The boot camp aimed to provide students with a solid understanding of AI concepts, tools, and techniques, including machine learning, data preprocessing, neural networks, and deep learning. Led by alumni Mr. Akash Kumar Dash, currently working as a Data & AI Engineer at Accenture, the program offered hands-on experience with AI frameworks like TensorFlow and PyTorch. Over four sessions, students built practical AI projects, bridging the gap between academic knowledge and industry practices. The bootcamp concluded with successful project showcases.

Beginner Bootcamp on Pspice

The Department of Electrical and Electronics Engineering (EEE) at SiliconTech, in collaboration with the IEEE Student Branch, IEEE PES Student Branch Chapter, and IEEE TEC Student Branch Chapter, organized a 'Beginner Bootcamp on Pspice' on 11 October 2025. The bootcamp aimed to introduce students to electronic circuit simulation using PSpice and OrCAD, covering software installation, basic operations, and circuit analysis (DC, AC, and transient responses). Dr. Ramaprasad Panda, Professor of EEE, led the session, guiding participants through circuit creation, analysis, and troubleshooting. The event, attended by 50 students, enhanced simulation skills and strengthened the practical understanding of circuit design through hands-on experience.

Expert Talk on 'Sequence Modeling in Large Language Models'

The Department of Computer Science and Engineering (CSE) at SiliconTech, in collaboration with the IEEE Student Branch, organized an expert talk on 'Sequence Modeling in Large Language Model' on 22 November 2025. The objective of the session was to provide students and faculty with an in-depth understanding of sequence modeling techniques used in LLMs. Dr. Subhankar Mishra, a faculty member from NISER, Odisha, led the session, covering topics like attention mechanisms, transformer architectures, and recent advancements in AI and NLP. The talk emphasized the growing impact of these models in industries such as healthcare, and finance.

Expert talk on 'AI as an Accelerator'

The Department of Electronics Engineering at SiliconTech, in collaboration with the IEEE student chapter, organized an invited talk titled 'AI as an Accelerator: Driving Renewable Energy Adoption for Sustainable Rural Development' on 26 November 2025 as part of the SiliconTech Silver Jubilee celebrations. Dr. Mahendra Kumar Mohanty, Retired Professor, OUAT, Bhubaneswar discussed AI's role in optimizing energy systems, enhancing solar and wind forecasting, and improving smart grids. He highlighted AI's integration with bioenergy, solar cold storage, and rural electrification. The event concluded with a Q&A session, encouraging students to innovate for sustainable solutions in renewable energy.

Invited talk on 'Careers in RF and Microwave Communication'

The Department of Electronics Engineering at SiliconTech, in collaboration with the IEEE MTT-S Student Branch Chapter, organized an invited talk on 'Careers Beyond 5G: Opportunities in RF and Microwave Communication' in the virtual mode on 14 November 2025. Mr. Asgar Mohammed, Group Head (RF Applications) at AGNIT Semiconductors, shared his 25 years of expertise in system design, RF front-end modules, and wireless communication. The event, attended by 60 participants, offered valuable guidancefor students pursuing careers in this evolving field.

Interactive Session on AI and LLMs

Silicon University welcomed Professor Chitta Baral from Arizona State University for an interactive session with the Department of Computer Science and Engineering (CSE) faculty on 24 December 2025. Prof. Baral, a leading expert in artificial intelligence and large language models (LLMs), provided deep insights into the AI techniques driving LLMs and discussed the emerging paradigm of AI agents. He also addressed ethical concerns such as bias, explainability, and safety, while motivating faculty to pursue interdisciplinary, high-impact research in AI. The session was a thought-provoking and enriching experience for all participants.

IEEE DAY

The Department of Electrical and Electronics Engineering (EEE), in collaboration with IEEE Student Chapter organized a workshop on 'Electrical Fire Safety' on 11 October 2025, to celebrate the IEEE Day. The workshop aimed to educate participants on electrical fire hazards, prevention measures, and safe response techniques. Conducted by Mr. Saroj Mohanty, Fire Safety Officer at AD Fire Service, the session covered common fire causes, fire classifications, and the proper use of extinguishers. With 109 attendees, the workshop also focused on evacuation strategies and communication during emergencies. Participants appreciated the hands-on demonstrations, requesting further sessions on fire safety.

Constitution Day

The National Service Scheme (NSS) Club at SiliconTech celebrated the Constitution Day on 26 November 2025, marking the 75th anniversary of the adoption of the Indian Constitution. The event aimed to raise awareness about the Constitution's significance and promote its core values. Distinguished speakers, Shri Prabhu Prasanna Behera and Ms. Adisha Mohanty, shared insights on the Constitution's principles and the responsibilities of citizens. The interactive session encouraged students to reflect on values like justice, equality, and liberty in their lives. The celebration successfully inspired students to uphold democratic values, reinforcing their role in fostering responsible citizenship and contributing to nation-building.

Skill Enhancement Program on Battery Management Systems

Department of Electrical and Electronics Engineering, (EEE) in association with the IEEE student chapter and ISTE, organized a two-day Skill Enhancement Program titled 'Upskilling Educators: Workshop on Battery Management Systems (BMS)' on 9 and 10 December 2025. The workshop aimed to strengthen faculty and teaching assistants' understanding of BMS concepts, including Li-ion battery fundamentals, BMS architecture, protection mechanisms, and cell balancing techniques, with emphasis on EV and energy storage applications. Led by Mr. M. Kunal, Founder & Director, Logiczap Next GenTechnologies, the workshop benefited 18 participants through hands-on learning and industry-relevant insights.

Credentialing and Felicitation Ceremony by Mathworks India Private Limited

MathWorks India Private Limited felicitated Silicon University during a special Credentialing and Felicitation Ceremony held on 2 December 2025, recognizing the effective use of MATLAB (Desktop and Online) by its students and faculty. The ceremony was graced by Mr. Chandan Pramanik, Director (Education), and Mr. Prasun Banerjee, National Sales Account Manager, MathWorks India, who presented a plaque to Dr. Jaideep Talukdar, Hon'ble Vice-Chancellor, and certificates to Heads of Departments for exemplary integration of MATLAB and Simulink in teaching, learning, and research.

SiliconTech's Engagement with HINDALCO

The Industry Interface Cell (II Cell) at SiliconTech organized an industry visit to HINDALCO, Hirakud on 17-18 December 2025 for faculty members, including Prof. Gyana Ranjan Biswal and Dr. Rajan Kumar Mishra, to explore electrical systems such as transformers, generators, motors, and battery banks. The visit provided hands-on experience and insights into real-world applications of electrical engineering. In a separate initiative, SiliconTech secured three consultancy projects from HINDALCO CPP on 10 October 2025, focusing on power factor improvement, motor efficiency, and energy system optimization, marking a significant collaboration between academia and industry.

SiliconTech's Engagement with FACOR

SiliconTech organized an industrial visit to Vedanta FACOR's Ostapal Chromite Mines on 27 October 2025 to strengthen academic-industrial ties. The visit focused on data collection and harmonic measurement for the consultancy project 'Power System Study & Relay Coordination', with additional discussions on the scope, including an Arc Flash Study. The team conducted on-site measurements at key installations and engaged in technical discussions with Vedanta FACOR officials. On 23 December 2025, Silicon University partnered with FACOR to conduct a Power System Study and Relay Coordination for FACOR's Captive Power Plant and Metal Plant, enhancing power system reliability and efficiency.

Sabdatattva 2025

The Meta Academic Cell at SiliconTech organized Sabdatattva 3.0, a two-day literary festival, on 14 and 15 November 2025. The event aimed to foster creativity, enhance writing, communication, and performance skills among students. With the theme 'Blossoming Minds, Boundless Words', over 200 participants engaged in various competitions, including Deceit and Discourse and Blackout Poetry Challenge. The festival featured workshops, debates, and interactive sessions, culminating in a valedictory ceremony with guest speaker Gourav Mohanty. Winners received cash prizes, and the event successfully showcased students' talents, celebrating the cultural significance of literature and storytelling.

Open Mic 2025

The Meta Academics Cell at SiliconTech organized Open Mic 2025 on 13 November, offering a platform for students to showcase their talents and enhance public speaking skills. The event aimed to encourage creativity, spontaneity, and emotional expression. Participants performed poetry recitals, storytelling, and stand-up comedy, engaging over 50 attendees. Souvik Mahapatra (CSE, 1st year) won the Judge's Choice award, with Sindhuja Gouda (ECE, 2nd year) as runner-up. Abhinash Sahoo (CSE, 2nd year) won the Audience Choice award. Judges Ms. Samparna Das and Dr. Subhashree Ojha praised the participants, making the event a resounding success.

Rhythmnova 2025

The Cultural Society of Silicon (CSS) at SiliconTech hosted Rhythmnova 2025 on 22 November, celebrating student creativity with the theme 'Buzz of Bollywood'. The event featured a variety of performances, including a captivating theatre act inspired by Bollywood, traditional dances like Sambalpuri, Garba, and Odissi, and soulful music performances with classical instruments. DDX, the official dance crew, and Samarpan, the music band, delivered electrifying performances. The event successfully fostered collaboration, unity, and cultural appreciation, showcasing the diverse talents of Silicon University students. Rhythmnova 2025 set a high standard for future events, leaving everyone excited for next year.

Quizanna 2025

The Silicon Quiz Club, under the Silicon Students' Council, organized the 4th edition of Quizanna on 8 November 2025. In the junior category, Ankit Kumar Swain and Swatit Kumar Swain from DAV Public School, CDA, Cuttack emerged as the winners. The first runners-up were Adweya Saringa and Swastika Mishra from KIIT International School, Bhubaneswar, while the second runners-up position was secured by Priyam Das and Anny Amrit Panda from St. Xavier's High School, Barabati, Cuttack. In the senior category, Shubham Kumar Jha and S. N. Parshuram Swain from Silicon University were the winners. Adarsh Mohapatra from AIIMS, Bhubaneswar was the first runner- up, and the team of Arnav Nayak and Sidhart Pattnaik from VSSUT, Burla secured the second runners-up position.

ZYGON X Noesis Launch

The launch of Zygon X Noesis 2026 on 4 December marked the event's transition to an inter-college fest. Highlights included the unveiling of the logo, Odyssey Cup, and competitive houses. The ceremony also featured vibrant cultural performances, generating excitement for the upcoming fest.

Inter-Branch Tournament

The Inter-Branch Sports Tournament at Silicon University held from 28 October to 21 November 2025 featured events like Chess, Table Tennis, and Football. CSE, ECE, and CST excelled in various competitions, promoting sportsmanship and unity among branches.

Strength-o-Mania, a fitness competition

Silicon Health Club hosted Strength O Mania on 6 December 2025, drawing over 150 participants. With Mr. Anand Reddy and Mr. Amit Bhuyan as chief guests, athletes showcased their strength in events like bench press, deadlift, and sprints.

Health Camp 2025

The Staff Welfare Committee organized a Health Camp on 20 December 2025, offering health screenings, eye tests, and dietary guidance. With 96 participants, the event promoted health awareness, preventive care, and lifestyle improvements, supported by Dr. Smaranika Mohapatra and Dr. Nirmalya Tripathy.

Volunteers Day

Silicon University's NSS Club celebrated Volunteers Day on 5 December 2025 to honor NSS volunteers. Major Dr. Kalpana Das inspired participants with a talk on discipline, patriotism, and service, promoting leadership, teamwork, and social responsibility.

Social Outreach activity

As part of the Silver Jubilee celebrations, the IEEE Student Branch and Eco Social Club of SiliconTech organized a Diwali Bhandara at Jivan Jyoti Ashram, Bhubaneswar, on 21 October 2025, spreading joy, compassion, and fostering unity among residents and volunteers.

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

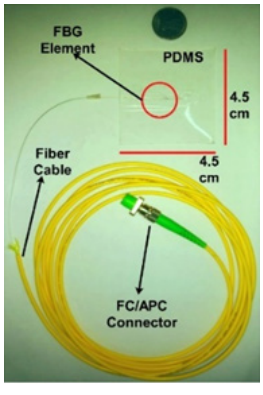
Enhancing Consumer Electronics in Healthcare 4.0: Integrating Passive FBG Sensor and IoMT Technology for Remote HRV Monitoring

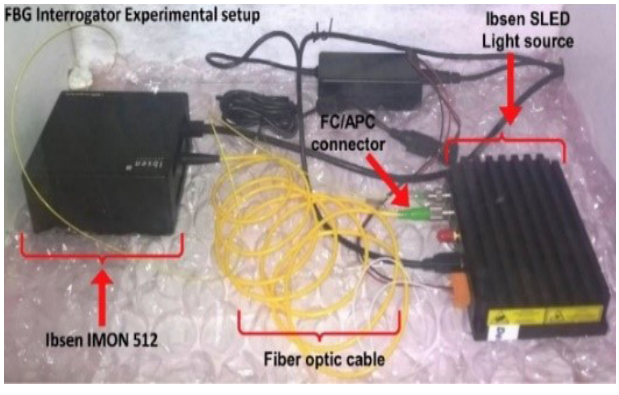
The research article explores a novel approach to cardiac health monitoring using Fiber Bragg Grating (FBG) sensor technology embedded within a smart biomedical framework. Traditional Internet of Medical Things (IoMT) solutions employ various electronic sensors and devices for real-time health data acquisition and analysis. However, in certain clinical settings, the use of active electronic components may not be feasible or desirable due to interference, sterilization constraints, or power consumption limitations. This study addresses that limitation by introducing a passive sensing approach using FBG-based sensors, specifically designed to measure cardiac signals and evaluate Heart Rate Variability (HRV) with high sensitivity and accuracy. The proposed system leverages the unique optical properties of FBG sensors, which are embedded into a biocompatible PolydimethylSiloxane (PDMS) matrix. These sensors are highly sensitive, with a reported sensitivity of 1.2 pm/μ, enabling precise detection of mechanical deformations associated with cardiac rhythms.

By avoiding traditional electronic components, the system offers a low-power, electromagnetic interference-free solution, making it ideal for continuous and remote health monitoring in sensitive environments. Key cardiac parameters such as Standard Deviation of Normal-to-Normal (SDNN) intervals, Heart Rate (HR), pNN50, Root Mean Square of Successive Differences (RMSSD), and Body Temperature are captured and processed using a robust Signal Processing Model (SPM). This model ensures that the data acquired from the FBG sensors is accurately interpreted and filtered, facilitating real-time insights into a patient's cardiac health. These HRV metrics are critical in diagnosing stress, autonomic nervous system disorders, and cardiovascular health anomalies, making the system applicable for both routine and critical care scenarios.

The integration of this sensor system into a distributed cardiac monitoring architecture introduces an additional layer of innovation. The article outlines a Real-Time Sensing Scheme (RSS), which collects and transmits cardiac data to a centralized processing unit. This is complemented by a Decision Support System (DSS), which analyzes the processed data and provides actionable insights or alerts to healthcare providers. The combination of RSS, SPM, and DSS results in a scalable and intelligent healthcare solution. A noteworthy contribution of the study is its focus on multi-user capabilities. The proposed system is designed to monitor up to 16 individuals simultaneously in a community or residential colony setup. Each user's data can be individually processed, stored, and analyzed without interference, making the solution highly practical for nursing homes, eldercare facilities, and home-based telehealth environments. The paper successfully demonstrates the feasibility of using FBG sensors for non-invasive cardiac monitoring in a distributed and scalable manner. By incorporating passive sensing, biocompatible materials, and advanced signal analytics, the system paves the way for a new generation of smart healthcare technologies. It not only reduces dependency on electronic hardware but also ensures high fidelity in physiological monitoring, critical for early diagnosis and preventive care. Overall, this research marks a significant step toward personalized, accessible, and reliable cardiac healthcare using optical fiber-based smart sensing solutions.

The results are shown below:





This research is being conducted by Dr. Ambarish G. Mohapatra, Associate Professor, Department of Electronics Engineering.

STUDENT ACHIEVERS

Sanjit Kumar Pradhan from M.Sc. (Data Science) placed at Tigerworld with 16.5 LPA

Sanjit Kumar Pradhan, an M.Sc. (Data Science) student from the 2026 graduating batch, has been placed as an Associate Vice President (AVP) at Tigerworld Technologies with a package of 16.5 LPA. Earlier, he completed his internship at Piama Media Labs, Bangalore, working as an AI Engineer with a stipend of Rs. 80K. His skills in LLM, NLP, and automation, along with strong data science expertise, have been key to this milestone.

Sanchita Rani Barik from MCA placed at PwC with 6 LPA with a monthly stipend of 35K

Sanchita Rani Barik, an MCA student from the 2026 graduating batch, has developed strong technical skills in Java, full-stack development, and problem-solving through her academic projects and practical experience. During her summer internship at Silicon she has strengthened her industry readiness by completing the PwC Launchpad program. This skill set has helped her secure an internship at PwC, where she will contribute to impactful projects. She has been offered a monthly stipend of 35K for this role, followed by an apprenticeship (associate) package of 6 LPA, further solidifying her position in the tech industry.

Amlan Baral from B.Tech. CSE placed at SAP labs India with a monthly stipend of 40K

Amlan Baral, a B.Tech. CSE student from the 2026 graduating batch, has secured a placement at SAP Labs India, with a monthly stipend of Rs 40K. He will be joining SAP Labs as a Scholar, where he will pursue an M.Tech. in Software Engineering through the BITS Pilani WILP program. With strong skills in Java, DSA, ABAP and cloud technologies, along with a SAP Global Certification, Amlan has demonstrated consistent dedication and technical excellence.

Trisha Jana from B.Tech. EEE placed at SAP Labs India with a monthly stipend of 40K

Trisha Jana, a B.Tech. EEE student from the 2026 graduating batch, has secured a placement at SAP Labs India as a 2-Year Scholar, with a monthly stipend of Rs 40K. She will pursue an M.Tech. in Software Engineering through the BITS Pilani WILP program while working at SAP Labs, gaining hands-on exposure to industry-leading technologies. Trisha has shown growing interest in Java, python and software development (Full Stack).

Jitesh Bhakat from B.Tech. CSE placed at SAP Labs India with a monthly stipend of 40K

Jitesh Bhakat, a B.Tech. CSE student from the 2026 batch, has secured a placement at SAP Labs India as a Scholar under the BITS Pilani M.Tech. (WILP) program with a monthly stipend of Rs 40K. His strong foundation in C++, Data Structures & Algorithms, Development, Cloud, and DevOps, combined with hands-on projects and consistent dedication, reflects his passion for technology and continuous learning.

Placed in JSW (Core Sector)

Ashish Mohapatra
EEE-2022-26

Sataj Beura
EEE-2022-26

Debansi Nabanita Sahoo
EIE-2022-26

Practice School (PS) Selectees from 8th semester B.Tech. graduating batch of 2025

PwC @35K

Smitarani Sahoo
CSE-2022-26

Goutam Mohanty
CSE-2022-26

Saurav Mohanty
CSE-2022-26

MICRON @30K

Akansha Kumari
CEN-2022-26

Sukanya Mohapatra
ECE-2022-26

Abhijeet Samal
ECE-2022-26

Aditya Pratyush Mohapatra
ECE-2022-26

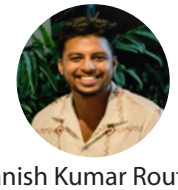
Gyansys @25K

Rajbir Deb Mishra
CEN-2022-26

Sunidhi Panigrahi
CEN-2022-26

Deepti Ranjan Mishra
CSE-2022-26

Gulnaz Ahmad
CSE-2022-26



Manish Kumar Routray
CSE-2022-26

Ratikanta Rout
CSE-2022-26

Sadiqua Farheen
CSE-2022-26

Swapnilshikha Bhakat
CSE-2022-26

Sneha Patra
CST-2022-26

Dibya Prasad Mohanty
EEE-2022-26

Team Farm OS wins the One Earth International Hackathon 2025

- Aayushi Samantsinghar (EIE, 2026) – Team Leader
  (Embedded Systems and AI Integration)
- Debasis Maharana (EIE, 2026) – Hardware Design and IoT Communication
- Santosh Kumar Senapati (EIE, 2027) – Machine Learning and Data Modeling
- Bibhu Parasd Lenka (EIE, 2027) – Cloud Dashboard and Backend Development
- Abhijit Mohanty (EIE, 2027) – Blockchain Integration and Data Security

Adarsh Agarwalla-(EEE-2027)- High Commendation in UNES, RUMUN

Swati Sonalika Panda (ECE-2026) 3rd Position, NALCO Elocution Competition

Kashyap Panda(EEE-2027) and Swaraj Mohaptro(CST-2026) 2nd Runners Up in IMIS Dilip Satapathy Memorial Quiz

PLACEMENT HIGHLIGHTS

The placement drive at Silicon University officially began in the first week of August 2025. A total of 24 companies have visited the campus for recruitment during this quarter, contributing to the 49 companies that have participated overall for the 2026 graduating batch. 41 companies have already announced their final results, while rest of the companies are in the process of completing their final rounds. Students selected so far have received salary packages ranging from 3.6 LPA to 16.5 LPA, reflecting a diverse set of roles and attractive opportunities across sectors.

- 251 unique job offers have been generated by the end of this quarter.
- 78 students have received an offer greater than or equal to 5 LPA.
- 17 students have been placed in the core domain by the end of this quarter.
- Highest package till date is 16.5 LPA offered by Tigerworld Technologies.

Major recruiting companies in this quarter include:

Bounteous x Accolite, CodeKart, CRM Landing, Cosmovolt, Delphi-TVS, Deloitte, Digit Insurance, Hitch, i8CLOUD Consulting, IBM, Infosys, JSW, Logile, Micron, Mindfire, OneBanc, ProcMart, PwC, Qvantel, SAP Labs, TCE, TCS, TIOT SYSTEMS, Tigerworld Technologies.

PRACTICE SCHOOL (PS) HIGHLIGHTS

244 students from the 2026 graduating batch have already received the **Practice School (PS) internship offers** for their **8th semester** from **27 reputed companies.** These offers span diverse domains, including software development, data analytics, quality engineering, embedded systems, and business operations, giving students valuable exposure to industry practices. The number of PS offers is expected to grow further, as several companies are still in various stages of their selection processes. The highest stipend for PS till date is INR 35000 as offered by PwC.

- Most of the PS selected students will be receiving a stipend ranging from INR 10K - 35K.
- Delphi TVS one of the core company has selected 97 students for PS program during 8th sem.
- Most of the students will receive their pre-placement offer after the successful completion of their internship program from their respective PS station.
- The companies who have given PS offers to our students in the 8th semester till date include:

Aptus Data Labs, CodeKart, CRM Landing, Deloitte, GyanSys, Hitch, i8CLOUD Consulting, Infosys, Micron, Mindfire, ProcMart, PwC, Rumango, Techrays Labs, TPCODL

II CELL COLLABORATIONS FOR SKILLING PROGRAMS

Odisha Skill Development Authority (OSDA) - 30 students got trained in 'Junior Software Developer Program' conducted by OSDA in collaboration with RISE (Rural Institute for Skill Empowerment) for a period of 3 months starting from 8 October 2025. The program focused on developing fundamental and intermediate competencies in programming, problem solving, software lifecycle understanding, and project based implementation. This program will help these students to enhanced their technical skill set to get employable in IT industry.

TCS Brush-Off session - 80 students got trained for 5 days for TCS NQT exam from 3 to 7 November 2025, particularly those aligned with TCS standards. Over the five days, students received focused guidance on aptitude, programming logic, verbal ability, and reasoning skills. Experienced trainers from ExcelR organization facilitated structured practice sessions, mock tests, and interactive discussions aimed at addressing common student challenges. Overall, the brush-up session served as an effective bridge between academic learning and industry expectations.

TCS ERP Workshop – 150 students attended the ERP Workshop conducted by Debakaanta Mishra, Segment Delivery Head, TCS on 14 November 2025. This session aimed to introduce students to Enterprise Resource Planning systems and their significance in modern organizational operations. The expert explained the architecture, modules, and functionalities of ERP platforms, along with insights into TCS's own enterprise solutions and implementation methodologies. The workshop emphasized the increasing demand for ERP professionals in the industry.

VLSI Pro Experts – 100 students attended this 3 day VLSI bootcamp conducted on 8, 15 and 22 November 2025, by experts from VLSI Pro. This bootcamp provided an enriching technical experience for students interested in semiconductor design and Very Large-Scale Integration (VLSI) technologies. It covered essential concepts such as digital logic design, RTL coding, FPGA implementation, and industry-standard EDA tools. The bootcamp successfully sparked technical curiosity, strengthened foundational knowledge, and motivated students to pursue advanced courses and internships in the booming semiconductor sector.

IBM & Nasscom – 250 students attended the one-day AI workshop conducted by IBM in collaboration with Nasscom on 15 November 2025 which focused on equipping participants with essential AI skills relevant to modern technological advancements. This workshop provided students with an introduction to artificial intelligence concepts, industry trends, and practical applications. Trainers and experts from IBM and Nasscom delivered sessions covering machine learning fundamentals, data processing, model training, and deployment strategies used in the industry. The students got an understanding of the role of AI in sectors such as healthcare, automation, cybersecurity, and business intelligence.

TCE Walk in drive – Tata Consulting Engineers has conducted a walk in drive for lateral hiring on 9 November 2025. Around 600 experienced candidates from different core industry have attended the TCE Walk-in Drive. The drive included multiple stages such as preliminary screening, technical interviews, and HR interaction. Recruiters evaluated students on their problem-solving abilities, domain knowledge, communication skills, and suitability for project-based roles. The SiliconTech student volunteers gained firsthand experience of corporate selection procedures.

EMPLOYEE IN NEWS

Dr. Pradeep Kumar Singh participated in ESTIC-2025 as a Young S&T Leader (below 45 years) held from 3-5 November 2025 at Bharat Mandapam, New Delhi

Dr. Pradeep Singh from the JBS Haldane Centre of Molecular Medicine, Silicon University, participated in the Emerging Science, Technology and Innovation Conclave (ESTIC-2025) held in New Delhi from 3–5 November. Inaugurated by Hon'ble Prime Minister Shri Narendra Modi, the event focused on India's vision for Viksit Bharat@2047 and highlighted the role of science and technology in national development. Dr. Singh engaged in discussions on health and medical technologies, biomanufacturing, and advanced materials, connecting with experts like Prof. Rajesh Gokhale, Prof. Raghavan Varadarajan, and Prof. Rahul Purwar.

ENTREPRENEURSHIP DEVELOPMENT CELL

National Entrepreneurship Day

The Entrepreneurship Development (ED) Cell and the Institution's Innovation Council (IIC) at Silicon University celebrated National Entrepreneurship Day on 9 November 2025. The event, coordinated by Dr. Sanghamitra Das, Coordinator of IIC, aimed to foster entrepreneurial thinking and encourage students to explore innovation-driven opportunities. Dr. Das emphasized the importance of entrepreneurship in today's world, urging students to take initiative, think creatively, and transform their ideas into practical solutions with the support and mentorship from the ED Cell. The celebration included an interactive quiz competition on entrepreneurship and startup knowledge.

Bootcamp cum Idea Generation Competition

The Entrepreneurship Development (ED) Cell at Silicon University organized a Bootcamp cum Idea Generation Competition from 18 to 22 November 2025. Over the course of five days, participants explored key concepts such as problem identification, idea development, and presentation skills. Mr. Deepak Chaudhury, founder of Success Leaf, led the sessions, offering valuable insights on innovation frameworks and business idea development. Each team presented their ideas to a panel of experts, who evaluated them based on innovation, feasibility, and potential impact. Following rigorous assessments, 16 teams were shortlisted for their outstanding ideas and nominated for ED Projects.

ALUMNI BUZZ

Silicon Alumni Association (SAA) organized the 17th Alumni Meet on 27 December 2025 at the institute premises, bringing together 232 alumni from various batches. The enthusiastic participation and warm interactions made the event a memorable celebration of shared memories, achievements, and the enduring bond with the alma mater. The program commenced with a soulful welcome song that set a nostalgic and cheerful tone for the day, followed by the traditional lighting of the lamp- ceremony symbolizing knowledge, unity, and continuity. Members of the university leadership addressed the gathering, warmly welcoming the alumni and reaffirming the institution's commitment to strengthening alumni engagement. They emphasized the vital role alumni play in mentoring students and contributing to the university's growth, reputation, and future aspirations.

A series of vibrant cultural performances presented by the students of Silicon University added colour and energy to the event. These performances were well appreciated by the alumni and reflected the cultural richness and talent nurtured on campus. One of the key highlights of the meet was a specially curated video presentation featuring messages from alumni, who shared their professional journeys, achievements, and cherished memories of campus life. The presentation evoked a strong sense of nostalgia and pride among the audience. In addition, the alumni were taken on a virtual campus tour, enabling them to relive their student days while witnessing the significant infrastructural and academic progress of the university.

Alumni–staff sports activities, including cricket, badminton, and volleyball, fostered camaraderie and teamwork. The event concluded with a high tea session, providing an informal platform for interaction and networking. The meet was successfully coordinated by the Silicon Alumni Association with support from the Silicon Student Council and dedicated student volunteers.

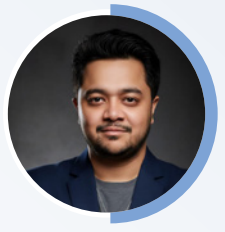
ALUMNI IN FOCUS

SMRUTI RANJAN MOHAPATRA
Senior Consultant, TCS
B.Tech (CSE) 2004-2008

With over 17 years of experience in technical consultancy, he is currently working as a Senior Consultant at Tata Consultancy Services (TCS), specializing in SAP Basis technology. He has worked with multiple international clients, spending 7 years in Europe where he collaborated closely with them. Certified in SAP, he brings extensive expertise in system administration and support. Outside of work, he enjoys traveling and reading books, always eager to expand his knowledge and experiences. His career has been driven by a passion for innovation and delivering high-quality solutions to clients around the world.

SUBHRAKANT BARAL
Associate Technical Lead (EDI)
ESSPL/ Business Analyst, MAERSK (Client)
B.Tech (EEE) 2013-2017

Subhrakant has built a successful career in EDI and SCM, currently working as a Business Analyst at MAERSK. He leads EDI implementations for major clients like Disney, NIKE, and Walmart, optimizing data flows and ensuring seamless integration across global supply chains. With expertise in EDI standards, integration platforms, and communication protocols, he supports diverse projects worldwide. Subhrakant is recognized for his problem-solving skills, documentation quality, and cross-functional collaboration. Outside of work, he enjoys exploring new technologies, reading case studies, and staying fit.



PUNYA PRATEEK
Delivery Manager, Bank Dhofar
Muscat, Oman
B.Tech (CSE) 2010-2014

With over a decade of experience in banking technology, project delivery, and IT transformation, Punya Prateek is currently working as a Delivery Manager at Bank Dhofar. He leads digital banking transformation, cloud-native migration, and technology modernization initiatives, managing end-to-end delivery of complex banking solutions. Punya has worked with international clients across South Africa, Oman, Mauritius, and the UK, delivering large-scale enterprise projects. He holds a Master's degree in Computer Science (specializing in Data Science) from the University of Bath and is certified in Cloud Computing, Kubernetes, Containers, and Cybersecurity.

REKHANJALI DAS
Graduate Student (MS in ITM)
University of Texas at Dallas, USA
B.Tech (ECE) 2016-2020

A 2020 Electronics and Communication Engineering alumna, she is currently pursuing a Master's in Information Technology Management at the University of Texas at Dallas. Before her MS, she spent 4.6 years at Cognizant, where she advanced to the role of Senior System Architect and Scrum Master, specializing in designing automation workflows, optimizing application performance, and leading Agile teams for a major banking client. With expertise in Pega BPM, SQL, workflow automation, and data-driven development, she thrives at the intersection of technology and problem-solving. Growing up in an Army family has instilled resilience and a love for exploring new cultures, which she channels through creative outlets like singing, dancing, and mandala art.

Alumni Desk

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

Silicon University

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

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