

SiliconTech

A QUARTERLY NEWSLETTER

SILICON INSTITUTE OF TECHNOLOGY, BHUBANESWAR

Volume 2 | Issue 1 | July–September 2020

EDITORIAL



Warm greetings from Silicon Institute of Technology!!

We completed yet another successful academic session 2019 - 20 and started afresh from July 2020. Admission into the new batch is pending because of the ongoing pandemic. This has been a testing time but we are determined to sail through it smoothly. The institute has shifted its teaching-learning process to the online platform with ease amidst enormous stress and anxiety of frequent lockdowns. Academic activities on campus viz. classes, examinations and evaluation process were completed in the online platform successfully and the results of autonomous batch were published in time. Besides these, Silicon came out with flying colors with big achievements like winning the first prize in Smart India Hackathon (Software Edition), and ARIIA ranking in Band B. We made an effort to reach out to school-going students across the country through online trainings during the lockdowns. These trainings were designed and conducted by our faculty members to provide them with an in-depth understanding of programming languages. These were highly successful. Faculty members also utilized challenges of lockdowns and shutdowns as opportunities to enhance their research capabilities by publishing books & papers in SCI & SCOPUS indexed journals, completing their Ph.D., attending webinars and filing patents.

There has been a paradigm shift to work remotely and through the digital mode. Network connectivity might have been a luxury for some of us due to limited resources, but overwhelming participation and positive support from students could help us embrace the change and adapt to the situation. Every Siliconite deserves to be thanked for their optimism and adaptability.

Prof. (Dr.) Jayashree Das
DEAN, RESEARCH

NEWS & EVENTS

ARIIA Rankings 2020

Silicon Institute of Technology, Bhubaneswar was placed in Band B (Rank between 26 to 50) under the category of Private or Self-Financed College/Institutes, in the East Region as per ARIIA Rankings 2020. Atal Ranking of Institutions on Innovation Achievements (ARIIA) is an initiative of Ministry of Education (MoE), Govt. of India to systematically rank all major higher educational institutions

and universities in India on indicators related to 'Innovation and Entrepreneurship Development' amongst students and faculties. ARIIA Rankings 2020 was released by Honorable Vice-President of India, Shri. M. Venkaiah Naidu on 18th August 2020. A total of 674 institutes (including IITs) participated in the ranking process this year which marks the second edition of ARIIA.

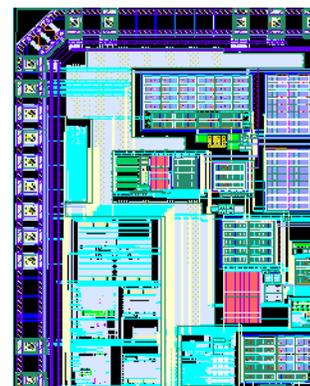
MoU with Phoenix Robotix

Silicon Institute of Technology signed an MoU with Phoenix Robotix, an Odisha based IoT start-up, on 26th September 2020. The purpose of this MoU is to conduct collaborative research for developing hardware & software solutions in the IoT domain and assist each other in development of new technologies and marketable products in IoT and Industry 4.0. The collaboration will also provide a great learning platform to Siliconites to formulate and execute innovative projects built upon the proprietary product ranges of Phoenix Robotix in various application domains.



Advanced VLSI Lab Sends IC for Fabrication

Our partnership with some of the world's biggest semiconductor consortium and manufacturing companies including IMEC, Belgium, X-FAB, Germany and Muse Semiconductor, USA, allows the state-of-the-art Advanced VLSI Laboratory under ECE department to fabricate microchips cost effectively. As part of that mandate, the Lab is collaborating with a semiconductor start-up in the Greater Boston area, to design mixed-signal IP blocks for a power management integrated circuit (IC). We designed and laid out a Serial Protocol Interface (SPI) for a 32-byte calibration register, a band gap voltage reference, a temperature-independent current source, programmable slope current generator for a ring oscillator and an 8-bit DAC current source. The first revision of this IC was sent for fabrication on 14th September 2020 using an 180nm Silicon-on-Insulator (SOI) CMOS process.



Silicon announces New Program Offerings in B.Tech. and M.Sc.

Silicon has launched 3 new program offerings from 2020 – two 4-year undergraduate programs viz., B.Tech. (Computer Science and Technology) & B.Tech. (Computer Engineering) and one 2-year Master's Program viz. M.Sc.

(Data Science). With the starting of these programs, the institute aims to capitalize on the expertise of its faculty members while also establishing critical links with industry.

Webinar on Career Options and Opportunities for Electronics Engineers

The Department of Electronics and Instrumentation Engineering (EIE) at Silicon organized a webinar on 'Career options and Opportunities for Electronics Engineers' on 8th August 2020. The notable expert Mr. Renjith CV, Product Designer - Medical Imaging at Philips Healthcare R&D Centre,

Pune was the speaker. The major focus of this webinar was to sensitize students about career prospects for Electronics Engineers in various manufacturing industries such as smart phones, industrial automation systems, smart devices, biomedical devices and aviation systems.

Independence Day Celebration

As India celebrated its 74th Independence Day on 15th Aug 2020, Siliconites too observed the occasion with grace and pride, as our Principal Prof. (Dr.) Jaideep Talukdar unfurled the Tricolour in the presence of students and staff, while maintaining social distancing norms. On this occasion, Dr. Talukdar spoke about the notable achievements that India has accomplished over the past few decades. His speech ended with focus on the importance of simplicity with the famous words of Mahatma Gandhi - 'Live simply, so that others may simply live!'



Academic Meets

The 4th Academic Council Meeting of Silicon was conducted on 18th August 2020. While the internal members were physically present in the meeting, the external members Prof. Raja Datta (IIT Kharagpur), Retd. Prof. Ranjan Kumar Bal (Utkal University), Mr. Manoj Kumar Panda (Center Head, TCS, Bhubaneswar), Dr. Debi Prasad Das (Pr. Scientist, IMMT Bhubaneswar), Prof. Banshidhar Majhi (Director, IIITDM,

Kancheepuram), Prof. P. K. Hota (VSSUT, Burla), Prof. R. K. Jena (CAPGS, BPUT, Rourkela), and Prof. Debadutta Mishra (IIT Kanpur) joined virtually. In addition to the regular activities like ratification of online examinations, approval of results, review of other academic activities and events, the curricula and syllabi of different programs were also discussed and approved.

TechnoZeal Program

The department of CSE and MCA conducted online courses for teachers and students across the country to enhance their skills. All the courses were complimentary. The course titled **Understanding Higher Mathematics, Simplified** was organized for high school (ICSE & CBSE) mathematics teachers from 11th to 13th July 2020. A total of 139 teachers across India joined this online training program. Two courses were conducted for school students - **C++** was conducted from 13th to 17th July 2020 while **Python Programming** was organized from 20th to 31st

July 2020 to help students build a foundation in object oriented and Python programming respectively. More than 300 students joined both the programs. The course coordinators were - Dr. Ramaprasad Panda, Dr. Rabindra Dalei, Dr. Lalit Mohan Pradhan and Mr. Pradipta Kumar Pattanayak. The key resource persons were Dr. Prayag Prasad Mishra, Dr. Subhakanta Dash, Dr. Tusar Parida, Dr. Pradyumna Kumar Tripathy, Dr. Bimal Kumar Meher, Dr. Bikram Keshari Mishra, Dr. Jasaswi Prasad Mohanty, Ms. Debasmita Pradhan and Mr. Samaleswari Prasad Nayak.

Silicon Vibes- A Cultural Ensemble

Silicon organized a first of its kind cultural ensemble, the Silicon Vibes, to mark the beginning of the academic session 2020-21. Various cultural events in the categories of creative and performing arts viz., live concerts, live competitions, quizzes were conducted. Some of the events conducted were Best Buddies - Dance and Song competition where students participated with their siblings, Celebrating Friendship – a videography contest celebrating nostalgic moments with friends, Dip and Daub

– a drawing competition on the theme 'My Lockdown Freedom' to share the creative practices taken up during lockdown, Shutter Up – a photography contest, Battle of Wits – a debate competition, Libretto Monologues – a dramatic rendition in mono-acting having a combination of powerful speeches, music and narration and India Quiz - a quiz competition celebrating our 74th Independence Day. The event spanned across the whole of the month of September and finally ended with a live concert.

MCA Farewell 2020

The farewell for the MCA batch of 2020 was conducted online on 5th September 2020. The Director, Principal, Dean Academics and HoD addressed the students with their motivating words. Ayan Mukhi was the proud recipient of the 'Best Student of the Year' Award. The event ended with performances by Ardhendu Mishra and Abhishek Chatterjee. Everyone received Amazon Coupons as a special gift. The e-farewell ended with a vote of thanks by the HoD, Dr. Rabindra Kumar Dalei.



Foundation Day Celebration

Silicon observed its 19th Foundation Day on the 10th of September 2020. The event started with an introductory welcome address by our Principal Dr. Jaideep Talukdar. The keynote speaker for the event was Dr. Sudhasatwa Basu, Director of Council of Scientific Industrial Research, Institute of Minerals and Materials Technology (CSIR-IMMT), Bhubaneswar who is an eminent academician and researcher. Dr. Basu spoke on the 'Role of Education in Innovation, Start-up and Entrepreneurship'.

To mark the occasion, online elocution and quiz competitions were conducted amongst the students. Swaraj Baral (CSE, 3rd year), Sital Panigrahi (CSE, 2nd year) and Akash Pandit (CSE, 2nd Year) were the top three winners in the elocution contest. In the quiz contest, Ipsita Mudaly (ECE, 4th year) and Saswati Biswal (CSE, 4th year) were the winners; Akansha



Kumari (CSE, 3rd year) and Rakesh Kumar (CSE, 3rd year) were the first runners-up; Ashutosh Panda (CSE, 3rd year) and Priyabrata Sahoo (EEE, 3rd year) were the second runners-up. It was in fact a moment of glory for the Institute to have completed around two decades of service in the field of education and to have evolved as a premier Institute.

FDP on Computational Linear Algebra

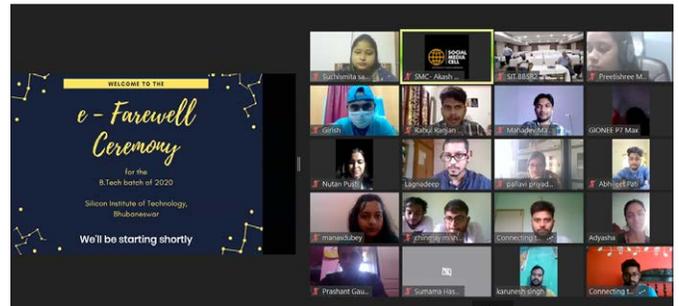
A Faculty Development Program (FDP) on Computational Linear Algebra was conducted on 31st Aug 2020 by the department of Basic Sciences and Humanities. The objective of this program was to aid the faculty members

in their teaching and research areas. The leading in-house resource persons were Dr. Saroj Kanta Misra, Dr. Sudarsan Padhy and Mr. Pradipta Kumar Pattanayak. 14 faculty members attended this program.

B. Tech. Farewell 2020

The farewell Function for the B. Tech. 2020 graduating batch was conducted on 19th September 2020 in an online mode. It was organized with live video streaming on the social media handles of the Institute. Gracing this event with their presence were Dr. Saroj Kanta Misra (Director), Dr. Jaideep Talukdar (Principal), Dr. Debabrata Kar (Dean Academics), Head of all Departments and faculty members. Students participated in full zest and shared nostalgic memories at Silicon. Everybody received Amazon Coupons as a

special gift. Akshay Kumar from the IT branch received the 'Best Student of the Year' award.



Webinar on Recent Trends in VLSI Verification

The department of EIE (Electronics and Instrumentation Engineering) organized a webinar on Recent Trends in VLSI Verification on 20th September 2020, in order to make the students aware about the various career options and the recent technologies used in the VLSI industry.

The chief resource person was Dr. Ranjan Kumar Barik, Senior Verification Engineer, XILINX, India. Dr. Barik also spoke in detail about the role of a verification engineer in the VLSI industry. Students from different electronics streams of engineering participated in the webinar.

CODECLASH v2.0

The ISTE Silicon Students' Chapter organized the 2nd edition of CodeClash titled CODECLASH v2.0 – a two-day Learn & Code event, in association with CodeChef & Unacademy on 26th September 2020. The event was hosted on YouTube & CodeChef. The prime objective of this event was to promote coding culture at Silicon and make the students familiar with the real-life problem-solving skills.

Here a new programming language named RUST was introduced to the students. The preliminary round was held on Day 1 and the Ultimate Coding Battle Ground was on Day 2. This was the first e-event of ISTE at Silicon which witnessed

the participation of more than 120 students. A total of 30 students qualified for the final round which was conducted on 27th September 2020. Students coded in the language of their choice. The evaluation was done by the CodeChef Team. The winner of CODECLASH v2.0 was Anshuman Das (EEE, 3rd year) and the runner-up was Dhanraj Chowdhury (CSE, 2nd year). ISTE continues its motto to impart technical knowhow to the students despite the ongoing pandemic scenario. *Sessions with Himanshu Ranjan (IT, 2016 - 2020) placed at Amazon and Raj Vikramaditya, a 6-star coder at CodeChef were the highlight of this event.*

FACULTY IN NEWS

Dr. Soumya Ranjan Samal, Senior Assistant Professor from the department of ECE had filed a patent which was published on July 31, 2020. The title of invention was 'Wireless Sensor Networks Based Smart Eye Glasses for Assisting Visually Impaired People'.

Dr. Sudhansu Mohan Biswal, Senior Assistant Professor from the department of EIE was awarded his PhD degree from Maulana Abul Kalam Azad University & Technology, West Bengal on July 4, 2020 for his thesis titled 'A Study on Linearity and Radio Frequency Performance Analysis of Nanoscale Devices'.

Dr. Judhisthir Dash, Associate Professor from the department of ECE was awarded his PhD degree from Jadavpur University on August 1, 2020 for his thesis titled 'Some Studies on Optimal Filter Design Using Swarm Intelligence Techniques'.

Dr. Kasturi Dhal, Assistant Professor from the department of CSE was awarded her PhD degree from KIIT University, Odisha on August 8, 2020 for her thesis titled 'Some Access Control Mechanism for Data Sharing in Cloud Computing Environment'.

RESEARCH & PUBLICATIONS

of Publications (journals+ conference proceedings): 15

of SCI Indexed Journals published (high impact factor): 2

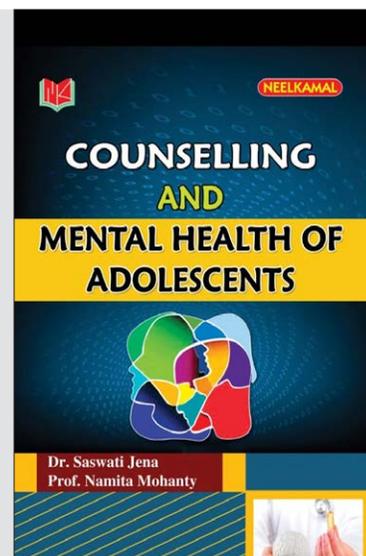
of Scopus Indexed Journals published: 2

of Patents filed: 1

of PhD Guidance (Awarded/ Submitted): 1

of PhD completions: 3

of Books Published: 1 (Dr. Saswati Jena, Assistant Professor)



SILICON ENTREPRENEURSHIP DEVELOPMENT CELL

Webinar on Opportunities for Start-ups in Post-COVID Situation

The Entrepreneurship Development Cell organized a webinar on 'Opportunities for Start-ups in Post-COVID situation' on 12th September 2020. Mr. Deepak Kumar Khaitan, a fellow member of ICSI (Institute of Company Secretaries of India) was the chief resource person for this webinar. Mr. Deepak was the recipient of the

Entrepreneurship Education Champion – Special Jury Award at the Entrepreneurship Education Conclave at New Delhi organized by National Entrepreneurship Network, MSDE, Intel & British Council. Around 300 students and emerging entrepreneurs from across the country attended this online program.

STUDENT ACHIEVERS

Smart India Hackathon 2020 Winner - Software Edition

Two shortlisted teams from Silicon viz., **Creative_ Beings** and **Vektor** made it to the Grand Finale (Software Edition) of Smart India Hackathon (SIH) which is a nation-wide initiative to provide students with a platform to solve pressing problems faced in everyday life. It was conducted from 1st August to 3rd August 2020. Both the teams comprised of students from the 4th year. The team Vektor led by Swastik Pradhan (ECE) submitted their ideas in the domain 'Software - Mobile App development' under the Problem Statement Category 'Pothole Challenge'. Team Vektor narrowly missed the winning position in the final tie round. Asutosh Senapati (ECE), Pralipta Rajoo (CSE), Supriya (ECE), Padmalochan Sahoo (ECE) and Shreyash Behera (ECE) were the other members of the team. *The team Creative_ Beings led by Kiran Kumar Potnuru (ECE) was the winner in the domain 'Waste Management' against the Problem Statement 'Smart Management of Food Storage and Waste Reduction'. The other members of the team were Sachin Kumar Rawani, P.Digvijay, Sidhant Ray from CSE and Subhadra Panda, Vicky Kumar from ECE. The team won a cash prize of INR 1 lakh.*



Himanshu Ranjan and Krishna Singh Make it to Amazon

Himanshu Ranjan (IT, 2016-2020) and Krishna Singh (IT, 2016-2020) were placed at Amazon Inc., an American multinational technology company based in Seattle, with a package of 15.5 LPA. Himanshu emphasized on knowing the basics first before going to the advanced sections. He believed in the idea of Carpe diem - worked on his skills and self-development without worrying much about the future. Krishna too believed in having a strong foundation in programming skills, data structures and algorithms. Consistent practice right from the first year of engineering is the key to his success. Before joining as FTEs, they had completed a six month internship at Amazon with a stipend of INR 20000 per month.



HIMANSHU RANJAN



KRISHNA SINGH

#D2C Chief Igniter

Dare2Compete, known as D2C, is the largest student community across domains which engages with the students of B-Schools, Engineering Colleges, and other Graduate colleges with 1 million+ active registrations from across 10,000+ colleges. It provides various opportunities for students to participate, compete, and showcase their talent.

Sanjog Samuel Samantaray (CSE, 2018-2022) has been selected as the D2C Chief Igniter from our institute, to ensure that the talent on our campus can connect with opportunities on a global scale. D2C Igniters work as part of the newly established D2C Igniters Club to transform the way students connect, network and learn amongst the global community. Sanjog will be leading the D2C



Igniters Club of our institute not only on Dare2Compete but also on the global platform that caters to 1 million plus students across 10,000 institutes. *Sanjog is one of the 6 students selected from Odisha who got selected out of 2700+ registrations across the country.*

INDUSTRY INTERFACE CELL

Placement Highlights

The placement season for Batch 2021 has started in a virtual mode, although educational institutions have still not opened for the students to join. SAP Labs, as part of their early talent hiring, kick started Scholar@ SAP work and study program to induct bright minds from the eligible CSE and ECE students of 2021 graduating batch. The on-line test was conducted on 25th June 2020 where 24 students were shortlisted for the final interview, which is due. 16 students got selected for the entry level role of Systems Engineer at Infosys, after successfully clearing the Infosys Certification Test (InfyTQ). Silicon is proud to have the highest conversion ratio amongst the participating colleges in Odisha. These selected students will get an opportunity to appear for niche roles at Infosys with differential salary.

Most of the reputed companies had visited our campus in the last placement season and over 80% of our students from Batch 2020 got job offers by the end of March 2020. However, in this quarter also, some of our students

got placed through off-campus drives conducted by companies or got confirmed job offers after completing their internships successfully. Two students from IT branch, got a package of 15.5 LPA from Amazon, after successfully completing a 6-month internship at Amazon. One student got selected by BYJU's with a package of 8 LPA per annum. Three students were selected for internship-cum placement with 20k stipend per month and a package of 6 LPA on successful completion of internship by Spikewell India Pvt. Ltd., in its phase 2 recruitment drive on 25th July 2020. Earlier, in its phase 1 recruitment drive in November 2019, it had selected 9 students in the similar mode of selection process with 6 LPA. 7 students got selected by Cozentus Technologies Pvt. Ltd., with package of 4 LPA in a virtual drive conducted by them. 14 students were selected with a salary package of 3.6 LPA by DXC Technology in its virtual drive conducted on 9th July 2020, followed by interviews on 24th July 2020.

Internship Highlights

A number of companies have selected students for internship from Batch 2021 after a rigorous online selection procedure comprising of written tests followed by interviews. Cozentus Technologies selected six students in Mobile Apps and Data Science with a monthly stipend of 10K. Rewoke Technologies and Everylytics Data Science

selected one student each with monthly stipend of 5K. Larkai Healthcare Pvt. Ltd., a start-up from Eastern-India working in the Health Sector selected two students from for internship with a monthly stipend of 5K. Larkai also selected three students from Batch 2022. Blue Sapphire selected one student from Batch 2022 for internship.

Pre-placement Training

Pre-placement training in the online mode has started from 10th September 2020 for the students of Batch 2022. A recap/brush-up session was conducted for the 2021 graduating students from 5th to 13th September covering Aptitude, Verbal, Soft Skills and Mock tests. The Soft Skill session was taken by **Vishwanadh Raju, Global Head of Talent Acquisition at AXISCADES** who covered Fresher's Tool Kit comprising of topics like Expectations of Industry from a Fresher, Future Skills required, Preparing a great Resume, Networking, LinkedIn Profile, Creative Problem Solving, Virtual Interview - know how.



GATE Preparatory Batch

The in-house GATE preparatory classes for students aiming to appear for GATE 2021/GATE 2022 have started with experienced GATE qualified resource persons. 30 students have enrolled in this program. Indian Institute of Technology (IIT), Bombay is the organizing Institute for

GATE 2021. Silicon is conducting GATE preparatory classes since 2007. 25 Siliconites qualified in GATE 2020 with the top ranks being AIR 45 (ECE), AIR 222 (CSE), AIR 527 (ECE) and AIR 1046 (AEI). The highest rank holders till date are AIR 1 in 2010, AIR 3 & AIR 19 in 2014 and AIR 37 in 2016.

Higher Studies

Our students have also been selected by reputed universities in India and abroad to do their higher studies. Archana Prajapati (EIE) and Rupashree Panda (ECE) from Batch 2020 joined Neoma Business School, Paris and Birla Global University to pursue higher studies in Management in July 2020. A number of students from Batch 2019 also pursued higher studies in 2020 - Animesh Kumar (EIE) joined the M. Tech.

program in VLSI Design at NIT, Agartala, Gyanaranjan Sahoo (ECE) and Charu Charan Kunal (EEE) joined M. Tech. in VLSI Design and Power System Engineering at MNIT, Jaipur respectively, Swapnil Akash (CSE) joined the M.E. course at BITS Pilani. Students from Batch 2018 viz., Sumit Raj (EEE) and Aruna Kumar Mishra (CSE) joined M. Tech program at NIT Suratkal and University of Hyderabad in July 2020.

QUARINTERN DIARIES

In the last quarter we had featured the Work From Home internship experiences of our students. This quarter the trend continues with more number of interns in diverse industries. Most of these are summer internships which continued as part time internships. Although WFH offered challenges such as coping

with new technology, coordinating with the team, understanding new concepts, compatibility issues in personal systems, time management and so on, the motivation to keep learning and facing the challenges has defeated them all. Here we share glimpses of their enthusiastic learning experiences.



NITISH KUMAR CSE - 4th Year
Software Engineer Intern @Spikewell

Project: I am working on a navigation iOS app using the SWIFT language in the XCODE IDE and Google Maps SDK, which helps people to navigate both inside and outside the premises.

Internship Experience: This internship is a massive break point in my undergraduate life. It gave me experience and boosted my skills to the next level. I got to know about the work ethics and the work culture. This internship has also taught me how to handle professional life.

Message to Juniors: Keep learning new technology irrespective of any domain and do some real time projects. It's ultimately the knowledge which is going to get you a reward. Keep strengthening your knowledge in Data Structures and Algorithms. Focus on your classroom studies as well.



SUMIT KUMAR SAH ECE - 4th Year
Data Science Intern @Larkai Healthcare

Project: I am working on a device that can offer early stage detection of Cardiovascular Diseases using suitable AI algorithm. It will also include a system which will act as a bridge between the low skilled people in rural areas and the doctors and will result in remote diagnosis using ChatBots.

Internship Experience: I have not only upskilled my technical knowledge but also learned Leadership Skills. I always had a curiosity to know how an industry or how a start-up works and this internship helped me to get a brief idea about that.

Message to Juniors: Make proper use of the time and strengthen coding skills and enhance AI skills as well. Having right attitude is also one of the important criteria for becoming successful in life.



SIMRAN ROUT CSE - 4th Year
Data Science Intern @Spikewell

Project: I am working on a secure and light weight multilingual video conferencing web application along with interactive AR feature whose objective is to make virtual meet as real as possible.

Internship Experience: This internship is really helping me learn a lot of things like AR, VR and language model apart from enhancing my problem solving skills and dealing with challenging scenarios. I got to know about the use of Git, DevOps and CI/CD. I am using many industry pipelining tools like Azure DevOps, Azure Web App Services, Glitch and Docker etc.

Message to Juniors: Try to gain expertise in one technology which you find interesting. That one technology will get you your dream job. Try to build a strong foundation and try to have good knowledge in some trending Programming languages like Python, Java or JavaScript etc.



RISHABH SHARMA CSE - 4th Year
Software Development Intern @Spikewell

Project: I am working on a project related to indoor navigation for buildings and places, which involves mapping geo magnetic data to plot points and nodes for indoor navigation.

Internship Experience: Using tools and technologies that I had never known was an exhilarating experience. It helped me adapt to the software development.

Message to Juniors: I will recommend getting out of your shell and learning as many things as you can. I myself avoided android development for some reason, but when I got to it, I realized that there is only one thing underlying - Problem Solving, everything else is just a tool. So, never restrict yourself by languages or technologies.



GAUTAM KUMAR ECE - 4th Year
Hardware Development Intern
@Larkai Healthcare

Project: My project involves developing a circuit that can sense the human heart signal (Acoustic & ECG) and give a clean, low, distorted and amplified signal as output.

Internship Experience: While working as an intern at Larkai (a Healthcare product based company), I gained wonderful experience. I explored new things, implemented the theoretical concepts that I have learned in the college. Each day is like experimenting and learning something new.

Message to Juniors: Doing many small projects is very much important to get expertise in a particular field. Fix a goal and explore as many things as possible in your domain. Kick out all the distractions and focus towards your goal.



INDRANATH GHOSH CSE - 4th Year
Software development intern @Spikewell

Project: I am working on a Point of Sale (android application) that lets users order and manage items at restaurants and complete the payment process straight from their device.

Internship Experience: It was really a great opportunity for me to work on real-world projects. It was first time I tried my hands on app development which was really interesting. I used React Native Framework to build the PoS App and used Firebase for the backend.

Message to Juniors: Try to work on some real stuff or project and learn along the way. Never limit yourself to projects we make during the courses we take.



TIRLOCHAN SINGH CSE - 4th Year
Android and .NET Developer @Spikewell

Project: REST API development using .NET Core which acts as the backbone for projects to help shuttle tracking and indoor navigation. Was also involved in building an android app to be synchronized with the Point of Sales systems.

Internship Experience: The internship involved utilizing and enhancing my own skills and getting feedback from seniors and improving as per the current industry standards.

Message to Juniors: Explore new technologies in the domain you like. There is demand for all the fields in an organization may it be data scientists, or android developers, or IOS developers. So just enhance the knowledge on what interests you.



SWARAJ PRIYADARSHAN DASH
CSE - 4th Year
Software Development Intern @Spikewell

Project: I am working on an IoT-based project whose objective is to create a seamless Indoor Positioning System (IPS) using a technique called Fingerprinting.

Internship Experience: Working on projects using the latest tools and technologies under the guidance of great minds is extremely rewarding. From exploring unheard domains to discussing bugs and features with my co-workers and supervisors through regular meetings, this internship experience has shown me glimpse of life as a software engineer and the challenges that come with it.

Message to Juniors: I'd strongly recommend not wasting time deciding upon languages/areas to work upon. Rather, explore whatever you can, and build personal projects to demonstrate skill and understanding.

**DHARMESH DARSHAN**

Project Engineer, Toolcraft | B.Tech. (EIE) 2008-2012

Dharmesh is currently working as a Project Engineer in Toolcraft. He was placed at Infosys through campus placements at Silicon. However, his passion for Aerospace engineering and affinity towards space shuttles and study of physics made him enroll in an integrated Master's course at the University of Sydney, which is known for its international reputation for 130 years. In 2017, he got his first job at Virgin Airlines as Aircraft Maintenance Engineer. After a couple of years at Virgin Airlines, Dharmesh switched to Toolcraft, where his job involves designing aeronautical parts for RAAF aircrafts (Royal Australian Air Force).

Jyotirmoyee is currently working as a Principal Quality Assurance Engineer in Oracle, India. She belongs to the first graduating batch of Silicon. She was placed in IBM India through campus placements at Silicon. In August 2020, she completed 15 years in the IT industry. She has received the Outstanding Performer Award five times in Oracle and her team has received the Best Team Award thrice. She is working for the Core Siebel Infra team in Oracle.

**JYOTIRMOYEE PATRA**

Principal Quality Assurance Engineer, Oracle India | B.Tech. (CSE) 2001-2005

**AEISWARJYA PATTNAIK**YouTuber (Speaking Storybooks-a channel for preschoolers)
Former-employee, Dell India R&D Centre, Bangalore | B.Tech. (IT) 2001-2005

Aiswarjya got placed in Accenture Services Pvt. Ltd as a Software Engineer, through campus recruitment at Silicon. After about two and a half years' stint at Accenture, she joined Dell India R&D Centre, Bangalore. She was the proud recipient of a number of awards at Dell viz., Dell Bronze Award, On the Spot Award, Team Award, Long Term Incentive Award and Dell Championship Award. Her patents include Intelligent wireless charging system and method of wirelessly charging devices. She left Dell in 2018 at the peak of her career to follow her passion. Today, she is pursuing photography and has started a YouTube channel for preschoolers.

Milan worked as a researcher in various projects sponsored by National Science Foundation, Sandia National Laboratories, US Department of Energy and National Institute of Health, after completing his Ph.D. in 2014. His research broadly focused on proposing signal processing and machine learning based solutions for challenges in the Smart Grid and Biomedical Engineering. He was also involved in developing computational models which can synergically mimic the physiological functions of the human cochlea to better understand various kinds of hearing disabilities. He is currently working as a Research Assistant Professor in the Computer Science department of New Mexico State University, USA. He had received the Odisha Young Scientist award in 2014.

**DR. MILAN KUMAR BISWAL**Research Assistant Professor
Computer Science, New Mexico State University, USA | B.Tech. (ETC) 2003-2007

Alumni Desk

Visit our Alumni Portal at <https://alumni.silicon.ac.in> & register yourselfE-mail: siliconalumni@silicon.ac.in | Contact: +91 9937289499 | Extn: 351/352/353/354/253

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Compiled and Published by

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