EDITORIAL

Greetings, and welcome to this edition of SiliconTech.

The quarter, April-June 2021, began with a lot of enthusiasm with the first year students coming to the campus physically for the first time. Unfortunately, the excitement was short-lived due to imposition of lockdown by the Government to fight the second wave of COVID. We resorted back to the hybrid mode of teaching, with a classroom setup and continued the teaching-learning process. The classes and the summer internship programs were completed online including the end term examinations. An STTP on 'Advanced Control Techniques in Power Electronics', 'Silicon Technodium 2021' – a national level online poster presentation competition for students, and an FDP on '5G Technology' were also conducted during this quarter among other programs. The second wave of COVID, however, has left deep scars on members of the SiliconTech family. Several of our students and staff members have lost their dear ones to Corona. Our Counseling Psychologist has been working tirelessly with the students and staff for their emotional healing. The Institute has also initiated actions to arrange financial support from various sources for the students who have lost their only earning member of the family. The drive-in vaccination center set up by BMC at SiliconTech campus has been recognized as one of the best centers in the community. Special vaccination drives, exclusively for our students and staff, were also organized. Until the pandemic situation passes over, let's stay safe, take care of our health, and keep up our commitment for excellence.

Dr. Debabrata Kar
DEAN, ACADEMICS

NEWS & EVENTS

Advanced VLSI Lab collaborates with Innatera Nanosystems B. V., Netherlands

The Advanced VLSI Laboratory signed an agreement with Innatera Nanosystems B.V. on 10 June 2021, to conduct research & development in Analog VLSI Design using the state-of-the-art CMOS Technology. Innatera is a pioneering Dutch company in the Netherlands developing ultra-low power neuromorphic processors for Artificial Intelligence (AI) at the sensor-edge. As part of the agreement, we designed and delivered complete IP solutions for their high-performance voltage and current reference circuit systemson time. This activity further showcased our capability as an industry-oriented Center of Excellence that very few labs can claim.

The Advanced VLSI Laboratory under ECE department continued its commitment to provide a world-class research and training facility for the students and faculty members in semiconductor electronics. Sevya Multimedia hired 10 students from the graduating batch of 2021 from our Lab, eight students, were hired by different VLSI companies including CoreEL, VVDN Technologies and Marquee Semiconductor. Two sixth semester students, Chandan Singh (ECE) and Subham Rath (ECE) got internship offers in ST Microelectronics and Micron Technology respectively. We conducted a very intensive one-month summer internship course on CMOS VLSI Design and Digital VLSI Design and Verification in May 2021 with 140 students and 10 professionals. One of the highlights of this internship was setting up and running all the Electronic Design Automation (EDA) tools on the cloud, so students had complete hands-on experience even though the course was conducted online.

Silicon Technodium 2021- a National Level Poster competition

SiliconTech hosted Silicon Technodium 2021-the National Level Poster Competition for undergraduate engineering students across the country on 17 April 2021. This online competition provided the students a national platform to showcase their knowledge and help them explore a career in research and development.

The event was launched two months before the last date, giving students enough time to implement their innovative ideas properly. The ideas were invited for three tracks viz. Computer Science and Application (CSA), Electronic Systems and Applications (ESA) and Electrical Power Engineering and Applications (EPEA). A team of experts from industries and academia were in the panel of judges. Dr. Mrutyunjay Rout (NIT, Jamshedpur) and Mr. Siddhartha Shankar Pany (Scientist, BARC) were the judges for the CSA track; Dr. Suraj Sharma. IIIT, Bhubaneswar and Dr. Subudhi Badri, IIT Jammu were the experts for the ESA track and Prof. Baidyanath Bag, NIT Raipur was the judge for the EPEA track. 100 students from 10 states across the country participated in this event. Each team comprised of upto 4 members. The winners were from different colleges across the country viz., PES Institute of Tech & Management, Karnataka; K J Institute

of Engineering & Information Technology, Mumbai; BML Munjal University, Haryana; Ajeenkya DY Patil University, Pune; KIIT University, BBSR, NIST, Berhampur; Ajay Binay Institute of Technology, Cuttack; Trident Academy of Technology, BBSR; Centurion University of Technology and Management, Paralekhemundi and Silicon Institute of Technology, BBSR. All the winning team members were given cash prizes and a certificate of merit. The Silicon team led by Padma Lochan Sahoo (ECE) from the graduating batch of 2021 received the 1st prize in the

CSA track. The other members of this team were Smruti Mandal (ECE), Shreyash Behera (ECE) and Priyadarshan Mohapatra (ECE). Their topic was 'GADDHE- Government App to Detect and Decrease Holes Efficiently'. The tireless

efforts of our faculty members and student volunteers of IEEE Students' Chapter, ISTE Students' Chapter and CSI Students' Chapter helped to make this event a huge success.

Training Program on Thermal Imaging for Biomedical Instrumentation & Agriculture

The Department of Electronics and Instrumentation Engineering (EIE), along with the Department of Electronics and Communication Engineering (ECE) organized a one-day training program for the faculty members on 'Thermal Imaging for Biomedical Instrumentation & Agriculture' on 1April 2021. 30 faculty members attended the session. Dr. Sudhansu Mohan Biswal, Associate Professor, EIE was the program coordinator. Dr. Lalat Indu Giri, Assistant Professor from NIT, Goa was the expert for the occasion. Dr. Giri touched upon various topics such as thermal imaging, fundamental concepts and working of infrared thermography, application of thermal-infrared imaging for military and civilian purposes such as target acquisition, surveillance, night vision and tracking, non-military uses including thermal efficiency analysis, environmental monitoring, industrial facility inspections,

remote temperature sensing, short-ranged wireless communication, spectroscopy, and weather forecasting and theirmedical applications during the session. Participants discussed their problem statements with the expert in the interactive session.

STTP on Application of Advanced Control Techniques in Power Electronics and Power Technology

A Short Term Training Program (STTP) on 'Application of Advanced Control Techniques in Power Electronics and Power Technology' was organized in the online mode from 5 to 9 April 2021, by the Department of Electrical & Electronics Engineering (EEE), in association with IEEE (Institute of Electrical and Electronics Engineer) Bhubaneswar subsection PES (Power & Energy Society) & IES (Industrial Electronics Society) Chapter. The objective of this program was to educate the participants in the recent advancements and state-of-the-art research areas

in Control Engineering. The event was co-ordinated by Prof. Nibedita Swain and Prof. Nivedita Pati from the department of EEE. Notable invited speakers from the academia were Dr. Rajeev Kumar Singh (IITBHU), Dr. Aritro Dey (NIT Durgapur), Dr. Ullash Kumar Rout (CET, BBSR), Dr. Papia Ray (UCE, Burla), Dr. Ashutosh Giri (GEC, Bharuch), Dr. Santanu Kapat (IIT Kharagpur), Dr. Sudipta Chakrabarty (NIT Silchar) and Dr. Susovan Samanta (NIT, Rourkela). 84 participants attended this program.

60 Seconds of Innovation

The IEEE students' chapter at SiliconTech, successfully conducted a technical Video Making competition titled, '60 Seconds of Innovation' from 15th April to 5th May 2021. This technical video making competition gave a platform to the students to showcase their talent and

knowledge on various technologies in computer science like Artificial Intelligence, Data Science, IOT, Blockchain, Edge Computing as well as their efficient problem solving skills. The winners were chosen on the basis of the creativity of their ideas and the content of their videos.

Earth Day Competition

Our Creative Club conducted an Art Competition on the 'EARTH DAY'. The students submitted their creative art work through the online platform. The winners were voted by the core members of the club on 1 May 2021.

Abhilipsa Dhal (CSE) was the winner followed by Priyanka (ECE) who got the second prize. Kajal Sharma (CSE) and Anurag Nayak (CSE) got the third prize. All the winners are currently doing their first year of engineering.

Codify 2021

The D2C Igniters Club Silicon Chapter conducted a two-day event on coding and aptitude testskills from 8-9 May 2021. The event was conducted to make the students aware of the importance of aptitude tests and coding skills, instill competitiveness among them and guide them on how to do better in the future. The event was the first of its kind to be organized by the Chapter. Registrations were invited in two categories. Category 1 was for the first and second year students and Category 2 was for third year students. 138 students participated in Category 1 and

39 students participated in Category 2. The test had two rounds, one to test the examinee's aptitude and another to test their coding skills. The winner in Category 1 was Animesh Tripathy (CSE, Batch 2023), followed by Kumar Jignasu (CSE, Batch 2024) and Arpita Mohanty (CSE, Batch 2023) as the 1st and 2nd runners-up. In Category 2, the winner was Saswati Rath (CSE, Batch 2022), followed by Sagar Swarup Swain (CSE, Batch 2022) and Atul Kumar Jain (CSE, Batch 2022) as 1st and 2nd runners up. The event was appreciated by students and staff alike.

FDP on Internet of Things (IoT) in 5G Technology

The Department of Electronics and Communication Engineering (ECE) organized a Faculty Development Program (FDP) on 'Internet of Things in 5G Technology' from 24 – 28 May 2021.

The objective of this program was to train and educate the faculty to interact on cutting edge technologies in this emerging area.

Resource persons were from academia and industry who hailed from India and abroad. The experts presented their research knowledge in 5G, Beyond 6G Communication, IoT application in Communication and Networking, AIoT, Hyperconnectivity, Vehicular Ad-Hoc Networks, AI for Wireless Communication, IoT in Public Cloud and Security attacks on IoT network.

The key invited speakers for the program were Dr. Ramjee Prasad, Professor, President, CTiF Global Capsule, Aarhus University, Denmark and Mr. Amiya

Kumar Samantray, Founder & CEO, Phoenix Robotix Pvt. Ltd., India. Other invited speakers were Dr. Albena Mihovska, Associate Professor, Senior Academic Research professional, Aarhus University, Denmark; Dr. Sunil B. Somani, Associate Professor, MIT-WP University, India; Dr. Madhukar Deshmukh, Postdoctoral Fellow, Bar-Ilan Univesity, Israel; Dr. Chayapol Kamyod, Assistant Professor, Mae Fah Luang University, Chang Rai, Thailand; Dr. Vaibhav Hendre, Deputy Director & Professor, GHRCEM, India; Mr. Anish Sarangi, Senior Data Scientist, Fusion Practices Pvt. Ltd; Ms. Nidhi, Research Associate, Aarhus University, Denmark; Dr. Sanjay Kumar, Associate Professor, BIT Mesra, Ranchi, India and Dr. Pranav Pawar, Assistant Professor, BITS Pilani, Dubai. This FDP was conducted in the online mode and was sponsored by AICTE under the AICTE Training and Learning (ATAL) Academy. 200 participants from across the country attended this program.

FDP on Internet of Things (IoT) in 5G Technology (Advanced)

The Department of Electronics & Communication Engineering (ECE) organized a five day Faculty Development Program (FDP) from 21-25 June 2021 on 'Internet of Things(IoT) in 5G Technology (Advanced)', in the online mode. The IoT has evolved from the convergence of wireless technologies and the internet by connecting 'things' in the real world such as home appliances, industrial equipment, monitoring sensors, etc. The objective of this FDP was to train the faculty in these emerging areas.

Eminent experts from the field of technology presented their research knowledge in 5G, RAN, Artificial Intelligence, Machine Learning, Industry 4.0, IoT application in Communication and Networking, 5G connected EDGE Platform, Cyber Security, practice sessions on different topics like IoT Architecture & Implementation with MQTT, MQTT Protocol Driven routing in IoT with Data Archival using My SQL DB Server, Routing in IoT with Hands-on Simulation Using CONTIKI - COOJA Simulator, Cisco Packet Tracer. There was also an Art of Living session to teach yoga and meditation to the participants. The talks were highly appreciated by the participants as evidenced by their continual positive feedback. The FDP ended with the valedictory session followed by an MCQ test for the participants.

This FDP was sponsored by AICTE under the AICTE Training and Learning (ATAL) Academy and was the second part to the FDP conducted by the department earlier from 24 – 28 May 2021. 200 participants from different parts of the country participated in this program.

Uttarang 2021

The Silicon Music Club conducted Uttarang 21 to observe the World Music Day on the 21 June 2021. The event comprised of renditions in dance, music, song and poetry recitation. Students across all the years participated with full zest in this event which was streamed live on YouTube with the help of our Social Media Cell. Our alumni B. Gaytri and Pallavi Sahu participated in this program. B. Gaytri (Batch 2016) currently working as an Associate Consultant at Wipro Technologies, addressed the gathering. Pallavi Sahu (Batch 2019) currently working as Systems Engineer in TCS also interacted with the audience.This online event had 27 programs. Overall, it was a memorable event.

Farewell for B. Tech. 2021 graduating batch

Owing to the Covid restrictions, the formal Farewell function was not conducted this year. Instead, a dinner was organized on 31 March 2021 for the B.Tech. 2021 graduating batch to mark the occasion. Animesh Kumar Nayak (CSE) received the Best Placement Award for getting the highest salary package of 26 LPA and Koustuv Ray (CSE) received the Best GATE Performance Award for getting AIR 69 in GATE 2021.

45 Seconds to Fame

The Campus Life Co-ordination Committee (CCC) of SiliconTech Residence successfully organized the event '45 Seconds to Fame' on 26 June 2021 in the online mode. This event was for the first year students only. The event was promoted through Silicon Social Media Cell. The main objective of the event was to give a platform to the students to showcase their talent and to interact with their seniors. Many students of our residence participated in the event. Arpita Mahapatra of Computer Science & Technology (CST) branch was announced as the winner of this event.Prathma Bhuyan (ECE) and Aparna Padhi (M.Sc. Data Science) were the runners up and 1st runners up of the event respectively.

Drive-in Vaccination Center at SiliconTech

SiliconTech campus at Patia became one of the three drive-in vaccination centers identified by Bhubaneswar Municipal Corporation (BMC) in the first week of June. Since then, this centre has been recognized as one of the best managed centers by BMC. We also organized a special vaccination drive on campus for our students, staff and their family members with BMC's approval on 27 June 2021.

Dr. Samaleswari Prasad Nayak
Senior Assistant Professor, Dept. of Computer Science & Engineering (CSE), received the 'Employee of the Quarter' award for overall excellence in performing his duties diligently, showing leadership and achieving desired outcomes in the quarter January - March 2021.

Dr. Saswati Jena, Assistant Professor, Dept. of Basic Sciences & Humanities (BSH) and our In-house Counseling Psychologist, was one of the panelists in the live interactive session of 'PARICHARCHA' on the theme 'Care and Compassion: Signs of Strength'. Paricharcha is a flagship event of 'MANODARPAN' - a platform launched by Ministry of Education (MoE) in July 2020 to provide psychosocial support to students, parents and families for their mental health and emotional well-being during the pandemic. This was a live telecast session through PMeVidya channel, YouTube and Facebook on 28 May, 2021.

RESEARCH & PUBLICATIONS

Publications(Journals): 41

SCI Indexed Journals published (with high impact factor): 7

Scopus Indexed journals published: 9

Patents filed: 1

Conference proceedings published: 21

Book Chapters published: 3

Books published: 1

A book titled '**Childhood and Growing up**' by Dr. Saswati Jena, Assistant Professor, Dept. of Basic Sciences& Humanities (BSH) and our In-house Counseling Psychologist, was released in April 2021. This book deals with all important facts and principles related to learning, understanding human development process, individual differences, socio-cultural differences and classroom implications of learning strategies, based on the National Council of Teacher Education (NCTE) framed syllabus. It has been designed to make the learners comprehend the topics in a lucid manner.
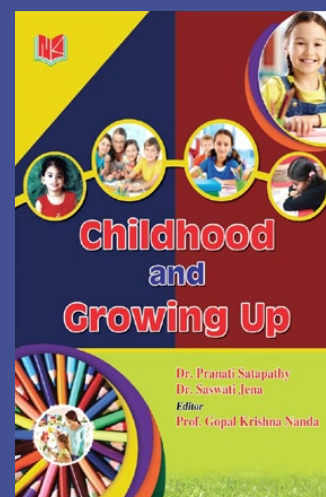
SPICES Project

AICTE approved the SPICES (Scheme for Promoting Interests, Creativity and Ethics among Students) project and sanctioned a fund of Rs 1 lakh for the implementation of this project. SiliconTech also sanctioned a matching fund of Rs 1 lakh for this project. The objective of the project is to promote the spirit of 'Right to Life with Dignity' and to support the social cause and to participate in social development programs in different walks of life. The duration of the project is one year and it will be implemented under the ManasManthanManch – A Recreation, Innovation, and Creative Activity Forum at SiliconTech. Dr. Saswati Jena, Assistant Professor, Department of Basic Sciences and Humanities (BSH) is the Principal Investigator(PI) of this project and Ms. Annapurna Mishra, Sr. Assistant Professor, Department of Electronics & Communication Engineering (ECE) is the Co-PI of this project.

STUDENT ACHIEVERS

ECE students get Internship offers from STMicroelectronics and Micron

Subham Rath and Chandan Singh from 3rd year(6th semester) ECE branch got internship offers from Micron Technology and STMicroelectronics respectively. Micron is a world leader in innovative memory solutions that transform how the world uses information whereas STMicroelectronics is a global semiconductor leader delivering intelligent and energy-efficient products and solutions that power the electronics at the heart of everyday life. Subham is a quick learner and has interest in the domains of Static Timing Analysis, Physical Design, AMS Layout Design and Semiconductor Memory Design. Chandan is a microelectronics enthusiast, pursuing a career in Analog Mixed Signal design. He has keen interest in designing CMOS based Analog circuits (Current Mirrors, Sense Amplifiers, etc).

Batch 2022 students shortlisted for Infosys PP (Power Programmer) and DSE (Digital Specialist Engineer) roles through HackWithInfy 2021

Eleven students from Silicon have been shortlisted through HackWithInfy 2021 competition for the roles of PP (Power Programmer) and DSE (Digital Specialist Engineer). Anshuman Das (EEE), Trideep Gorai, (CSE) Amar Nath Singh (ECE) and Dhrutishree Mohaptra (CSE) have been shortlisted for the PP role with a package of 8 LPA. Souvik Panda (ECE), Anish Sinha (CSE), Kunal Kishor (CSE), Sagar Kumar (ECE), Sibam Patro (CSE), Prateek Panda (CSE), Prateek Bharadwaj (CSE) have been shortlisted for the DSE role with a package of 5 LPA. HackWithInfy, Infosys' nationwide Hackathon provides students an enriching experience and inculcates the culture of rapid problem-solving and innovative thinking. It also offers pre-placement for Power Programmer, Systems Engineer Specialist, and Systems Engineer roles at Infosys.

Batch 2022 students shortlisted for Infosys in Systems Engineer role through Infy TQ

Eight students from the CSE branch- Ananya Rout, Avantika Mishra, Debidutta Dash, Ashish Sureka, Lipsa Behera, Akshya Priyadarshi, Rakesh Kumar and Sagar Mohanty are shortlisted for the role of Systems Engineer by Infosys through Infy TQ. InfyTQ is a free platform for all engineering students in their third and fourth year across India which tests the knowledge of the students in programming and databases.

Team Farm Folks in Business Idea Competition 2020-21

Team Farm Folks of SiliconTech has been shortlisted in the Bootcamp round 1 in NE India Launchpad- the Business Idea Competition, organized by KIIT Technology Business Incubator under TIDE (Technology Incubation and Development of Entrepreneurs) 2.0 and MeitY(Ministry of Electronics & Information Technology), Government of India. It is an online program in Entrepreneurial creativity and Problem Solving in the domain of Healthcare and Agriculture. The team comprised of 6 members from the 2021 graduating batch viz., Punyadeepa Pattanaik (ECE), Ayushman Patnaik (ECE), Ashutosh Patra (CSE), Asutosh Rath (CSE), Amit Kumar Patro (ECE) and Neha Mohanty (ECE). Mr. Sushant Pattnaik, Assistant Professor, Dept of ECE at SiliconTech, one of their mentors, has been instrumental in the team's success. The winning team stands a chance to win upto 10 lakhs in the form of fellowship or grant.

# ENTREPRENEURSHIP DEVELOPMENT CELL

Idea Generation Competition (Ideathon 2K21)

The Entrepreneurship Development Cell (ED Cell) at SiliconTech organized an Idea Competition (Ideathon) on 25 April 2021. Ideathon is an annual idea generation program which aims to provide students a platform to showcase their innovative and creative ideas and to motivate them to pursue entrepreneurship. In this event, students pitch their ideas to a bench of judges and get rewarded on the basis of creativity, innovation, feasibility, and scalability of their ideas. Students from various technical institutions were invited to submit their innovative ideas through Abstract submission in the first round. 11 teams pitched their ideas during the final presentation on 25 April. The top 3 ideas were awarded with cash prizes worth Rs. 33K and certificates of achievement. Team XSTREAMS won the 1st position followed by team FWM and team MultiWEE. All the teams were from SiliconTech. Mr. Bhabani Shankar Pani(Founder and owner of Span Resource Management & former NALCO employee), Mr. Srustijeet Mishra(CEO-South East Asia, CLPS Global),Dr. Prakash Kumar Rout(Additional Professor, EIE) were the panelists. Dr. Mahendra P. Agasty (Faculty-in-Charge, ED Cell), coordinated the event.

Webinar on Scope of Entrepreneurship in Solar & Renewable energy

The ED Cell, in association with Odisha Corporate Foundation (OCF), organized a webinar on 'Scope of Entrepreneurship in Solar & Renewable energy' on 18 April 2021. The objective of the webinar was to highlight the scope of entrepreneurship in solar and renewable energy. Mr. Upendra Tripathy- Founder & Director General, International Solar Alliance (ISA) & ex- IAS - Secretary of Ministry of New & Renewable energy GOI - joined as the chief guest. Dr. Saroj Misra, our Director
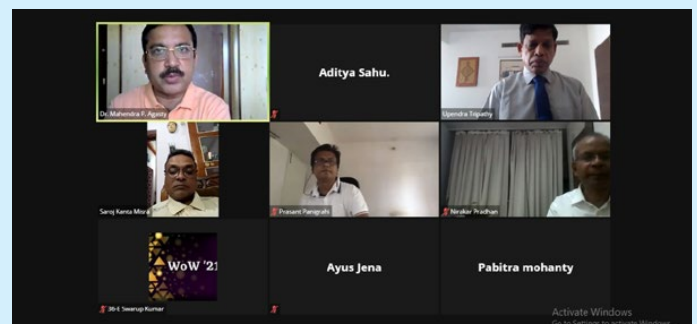
gave the welcome speech, Dr. Mahendra P. Agasty spoke about the entrepreneurship and startup eco-system in Odisha. Dr. Santanu Rath, former Director - HR in OPTCL, PTCUL & OMC moderated the discussion. 70 students and 20 entrepreneurs participated in this webinar.

Webinar on Odyssey of an Entrepreneurial Genius

The ED Cell at SiliconTech organized an Interactive/ Mentoring Session with successful start-up founders on 20June 2021.Mr. Ayaskanta Mohanty, Founder and MD of Tatwa Technology was the chief guest. Dr. Mahendra P. Agasty spoke about the objectives of the program and highlighted the achievement of ED Cell till date. The topic of the webinar was 'Odyssey of an Entrepreneurial Genius'. Mr. Ayaskanta shared interesting insights into his journey as an entrepreneur. He mentioned about the challenges he encountered and how he managed them. He also mentioned about his source of inspiration. He gave some tips to the students who wanted to take up entrepreneurship as their career. 75 students participated in this webinar.

Workshop on Start-up: The Inceptive Phase

The ED Cell organized a two-day workshop on 'Start-up: The Inceptive Phase from 26-27 June 2021. The objective of this workshop was to help the participants learn about how to take their start-up ahead in spite of the various problems they may encounter in the initial phase of their journey. The first day session was on 'Building a Start-up from Absolute Zero'. Dr. Mahendra P. Agasty (Faculty-in-charge, ED Cell) briefed the participants about the program objectives. Mr. Siddharth Bhatter, CEO Karkhana was the guest speaker. He spoke about ideation, team building and testing of a product's viability. The session was very intriguing and interesting. The second day session was on 'Angel Investment & Accelerator Incubation'. Mr. Aaquib Hussain of Free flow joined as the guest speaker. He touched upon topics such as pitching ideas, various stages of investment and dynamics of Angel Investors and Incubators. 70 students joined this online workshop.
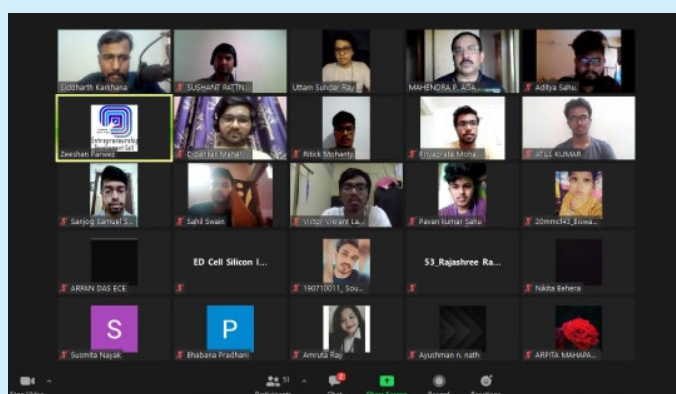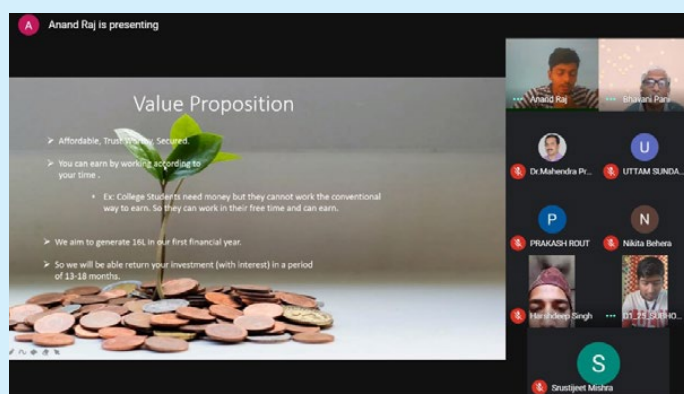
INDUSTRY INTERFACE CELL (II CELL)

Despite the second phase of COVID pandemic and subsequent lockdown, which disturbed the regular academic activities, the planned activities of Industry Interface Cell continued in full vigor, with minimum disruption. Placement drives for graduating batch 2021, summer internship for three batches of autonomous students, practice school drives for pre-final year students were some of the highlighted activities which were organized and conducted smoothly during this quarter.

Placement Highlights

The placement activities continued in the virtual mode; almost 80% of the eligible students got placed by the end of this quarter. 15 students were selected in the second phase of Accenture placement drive, out of which 5 students got their package upgraded to 6.5 LPA (100 students had already got an offer from Accenture in the first phase of their placement drive). Apart from regular on-campus drive, Infosys also allowed our students from the 2021 batch, to participate for the role of 'Power Programmer' with 8LPA and 'Digital Specialist Engineer' role with 5 LPA. Finally, 3 students were selected for the role of Power Programmer and 14 students were selected for the role of Digital Specialist Engineer.

Apart from this, 11 students from 2022 batch have been shortlisted through HackWithInfy competition. These students have the opportunity for the getting the roles of PP (Power Programmer) and DSE (Digital Specialist Engineer). The interview for the same is scheduled to be held in August 2021. Another 8 students from the 2022 batch are shortlisted for the interview round of 'Systems Engineer' with the base package of 3.6 LPA in the Infy-TQ certification drive.

Other companies which visited SiliconTech during this quarter were Chargebee Technologies -a subscription billing and revenue management platform, Torry Harris Integration Solutions headquartered in New Jersey, USA delivering business-outcome based IT solutions, Finastra Software Solutions - a global product based company with head office in Bengaluru, DATOMS - a Bhubaneswar based organization, working on IoT and big data to build a comprehensive ecosystem for smart cities, Pentair Water India Pvt. Ltd., working in manufacturing (Machinery & Equipments) business, KPIT Technologies - providing software to the automotive companies, Mavenir - an American telecommunications software company andLarix Technologies - a start-up based out of Gurgaon. 16 students have been placed in these companies with a salary package in the range of 3-6 LPA .

Summer Internship 2021

The II Cell designs intensive Summer Internship programs which are a part of the academic curriculum, having one credit point. Industry veterans/ experts from different domains and in-house specialists train the students. The main objective of this program is to train the students for better skilling and early identification of tracks/specialization which thereby would lead to better employment opportunities. These internship programs are well structured with supervised learning experiences that allow a student to gain valuable application-based experience in his/her chosen field of study.

A total of 17 internship programs were offered during this quarter, across various domains like Programming, VLSI, Data Science, Cyber Security, IOT, Machine Learning, Data structures and algorithm using Java/C++/ Python, SEO and Digital Marketing. The sessions were conducted in the virtual mode. 850 students from 2022 and 2023 graduating batch participated in this month-long program, from 15 May to 27 June 2021. All the programs, along with its components, were successfully completed except for a few programs where the students had hands-on training with the hardware components in our lab. The program was seamlessly executed.
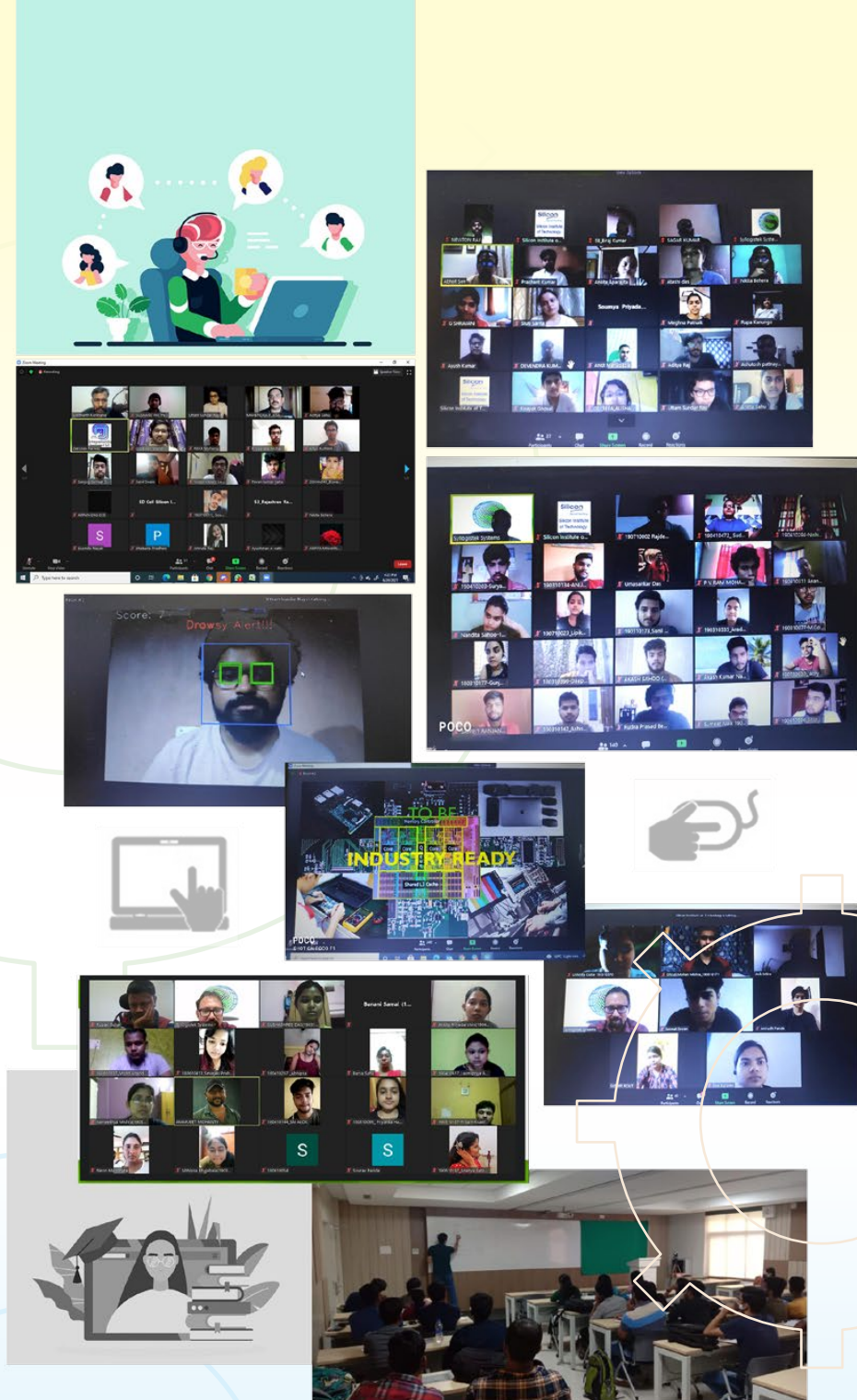
Practice School

Practice School (PS) is a continuous and rigorous internship of about 6 months which is integrated into our autonomous curriculum and carries 16 credit points. It is aimed at enhancing the interaction of students with the industry or research organization and giving them hands-on project experience and industry exposure. The final year B.Tech. students have the provision to undergo Practice School either in 7th semester or 8th semester. IICELL has already initiated the PS drive for the 2022 graduating batch. More than 30 students have already been selected by companies for doing PS in their 7th semester. The companies that have recruited from the PS drives till date are Cozentus. Devathon, STMicroelectronics, Micron, Flyttta, Larkai, STL and PRDC. All the selected students will be receiving stipend during their PS internship.

SWAROOP RANJAN MISHRA

Ph.D. student in Computer Engineering at Arizona State University, USA

B. Tech. (EEE) 2010-2014

Swaroop is currently working as a Research intern at Allen Institute for Artificial Intelligence at the USA. He has completed his M.Tech in Electrical Engineering (Control & Automation Specialization) from IIT Kanpur in 2016. He has 16 research publications to his credit. He was very passionate about research since his engineering days. Swaroop is an erstwhile researcher at the Institute of Physics, Bhubaneswar, Harish Chandra Research Institute, Allahabad and Thermax Research & Innovation Center, Pune

Sukanya Pattnaik

Executive Manager, Talent Acquisition- Deloitte

B. Tech. (ECE) 2001-2005

Sukanya chose to pursue management from Goa Institute of Management over an offer from one of the top ITES companies. In her current role at Deloitte, she is responsible for driving strategies for university relations with the academicians at many campuses in India. Her career journey spans over 13 years in managing, leading and enabling HR practices at prominent organizations like HCL, Wipro and Deloitte. Her expertise lies in HR business partner, Employee Engagement, Talent Acquisition, University Relations and HR transformation.

AKSHAYA MOHARANA

Business Development Specialist, Powertech Labs Inc, Vancouver, Canada.

B.Tech.(EEE) 2001-2005

Akshaya is a Specialist Engineer with Powertech Labs Inc. located in Vancouver, British Columbia, Canada. After completing his undergraduate degree, he started his journey as a Management Trainee with the Steel Authority of India Limited (SAIL) and then worked as a Research Engineer in a Department of Science and Technology sponsored project on Voltage Source Converter (VSC) based High Voltage Direct Current (HVDC) Transmission line controller design. He moved to Canada in 2009 to pursue his Ph.D. in Power Systems at Western University. Akshaya has been offering consulting services to many North American and International utilities including Indian utilities like PGCIL and POSOCO. As a Business Development Specialist, he is also looking after business development and client engagement activities in South Asia and Middle East.

DEBADUTTA BISWAL

CEO and Director of SRUSTI AGRO FARMS

MCA, 2000-2002

Debadutta co-founded 'Srusti Agro Farms Private Limited', an agro based company in 2018, aiming to get involved in the commercial production of poultry and horticulture products. Currently, he is the CEO & Director of Srusti Agro Farms. He was elected as the Vice President of All Odisha Layer Farmer's Association in September 2019. Prior to this, Debadutta worked with Eastern Software Systems Limited, New Delhi for 2 years after graduating from Silicon and later with Tata Consultancy Services for 15 years. His expertise was in technology domains like ERP- Ebiz Suit, Oracle Application R10, R11 ,R12 and Fusion. While at TCS, he was adjudged as the 'Best Program Manager' within EntSol MEA 2018.

Alumni Desk

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

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