EDITORIAL

Greetings, and welcome to this edition of **SiliconTech**.

The quarter, January- March 2021, was full of indecisiveness to start physical classes for our undergraduate students. As teachers and students alike were looking forward to the physical classes for seamless learning, the COVID threat, particularly from the second wave, was constantly an overriding factor. Nevertheless, Silicon continued organizing online activities amidst these adverse times; among these the webinars and events organized by various departments were notable. Silicon got the opportunity to go global in true sense while organizing the Aurabinda Misra Memorial Quiz online. We got student winners, those studying in Universities of USA and runners up from Delhi University and other Universities in India. The biggest learning experience in the past one year is that online activities can help us to get good global participation as well as resource persons of international repute. It is well understood that virtual classes cannot replace physical classes, particularly for a technical program which relies upon problem solving and hands-on activities. However, if they are well blended and properly planned, online activities can complement regular academics to a great extent.

Prof. (Dr.) Saroj Kanta Misra
DIRECTOR

NEWS & EVENTS

Launch of Practice School (PS) Program

Industry Interface Cell of Silicon launched the Practice School (PS) Program for the final year students on 20th March 2021. It is the first institute in Eastern India and one of the few institutes in the country to have launched this program. Practice School is a continuous and rigorous internship of about 6 months which is integrated into the present autonomous curriculum and carries 16 credits. It is aimed at enhancing the interaction of students with the industry or research organizations. It will bring in a host of new opportunities for Siliconites to get hands-on project experience and industry exposure. Mr. Devesh Sinha, Founder & CEO of Cozentus Technologies Pvt. Ltd, Mr. Amiya Samantaray, Founder & CEO of DATOMS (Phoenix Robotix Pvt. Ltd), Mr. Mohar Manohar Mishra, CEO & Co-founder at AcesoCloud Software Solutions Pvt. Ltd, Mr. Surendra Kumar Rout, Chief Operating Officer at Power Research Development Consultants Pvt. Ltd, Mr. Atul Bhargava, Principal Engineer, ST Microelectronics

and Mr. Srikant Modugula, Co-founder & CEO of Sevya Multimedia Pvt. Ltd, all from various industry domains, addressed the students regarding the importance of Practice School.

Webinar on Energy Efficient Distribution Systems (EEDS 2021)

The Department of Electrical and Electronics Engineering (EEE) organized a two-day webinar on Energy Efficient Distribution System (EEDS 2021) on 8th and 9th January 2021. The webinar focused on different aspects of efficient energy management of new and existing distribution systems where the concept of smart city and smart buildings were discussed. Mr. Amok Agarwala, Assistant GM, TP Central Odisha Distribution System (TPCODL), Dr. Hari Om Gupta, Director, Jaypee Institute of Information Technology (JIIT), Prof. A. K. Tripathy, Fellow of the Indian Academy of Engineering (FNAE) and former DG, Central Power Research Institute (CPRI), Bangalore, Mr. Jayant Sinha, Spectrum Infra Ventures and Mr. P. K. Pattanaik, GM, Odisha Power Transmission Corporation Limited (OPTCL) were the speakers. A total of 193 participants attended the webinar.

Open MIC 3.0

Open MIC. 3.0 - an annual literary and musical event conducted every year by the Meta- Academics Cell to provide a platform to writers, performers, comedians, and storytellers to showcase their talent - was conducted on 16th January 2021 in online mode this year. The winners were chosen across two categories - Judges' choice and through audience voting. Vivek Mohapatra (CSE, 3rd Year) and Isha Bharadwaj (CSE, 3rd Year) were the winner and runner-up respectively in the Judge's category, while Ritish Mohanty (ECE, 1st Year) and Vivek Mohapatra (CSE, 3rd Year) were the winner and runner-up in the voting category respectively. Arpita Mohanty (CSE, 2nd Year) received the Woman Achiever Award. Our alumni members, Subhangi Nayak (CSE, 2019), Shalini Mohapatra (EEE, 2017), Dipinty Ghosal (CSE, 2015) and Mr. Shiv Shankar Pattanaik (ECE, 2012) were invited to judge the event, along with our faculty members.

In-house Lecture Series on Data Science

An in-house lecture series on Data Science was conducted by the department of Computer Science and Engineering (CSE) to enhance the skills of faculty members in the domain of Data Science. Dr. Sudarsan Padhy (Sr. Professor, CSE) conducted six sessions across the months of January and February 2021, in the domain of Machine Learning (Data Science).

Start-Up EcoSystem at SiliconTech

Silicon has engaged with MindSpace Ventures, Kolkata to create an innovation & start-up eco- system on campus through their Free Flow Venture Building program. The goal of this program is to produce at least 5 successful start-ups every year. A total of 537 students obtained more than 7.5 score in the Entrepreneurial Acumen Assessment Test (EAAT) conducted on 16th January 2021. Five groups have been selected after a series of competitions, ideathons and hackathons who would be given the required hand-holding for product design, funding, marketing, and establishing a start-up company by the end of their B. Tech. program.

Winter Webinar on Signal Processing (WWSP-2021)

The Department of Electronics and Communication Engineering (ECE), along with the Department of Electronics and Instrumentation Engineering (EIE), organized a five-day webinar on Signal Processing from 18th to 22nd January 2021. The objective of this webinar was to provide a platform to the students, researchers, academicians and industry personnel to discuss various cutting-edge technologies including voice recognition, object recognition, and motion recognition. The webinar included 10 expert talks offered by eminent speakers from industry and academia - Dr. Gagan Rath, Inter Digital Inc. (France), Dr. Sitaram Ramachandrula,(24)7.ai, Ms. Minerva Panda, Niramai Health Analytix; Prof Anil Vuppala, IIIT Hyderabad, Prof. Nithin V. George and Prof. Nitin Khanna from IIT Gandhinagar, Prof. Sachitananda Dehuri, Fakir Mohan University, Prof. Venkatesh Babu Radhakrishnan, IISc, Bangalore and Prof. Wellington Pinherio dos Santos from Federal University of Pernambuco, Recife, Brazil were the speakers. Practical sessions were organized and e-certificates were given. More than 300 participants including industry veterans and stalwarts from academia attended this webinar.

Mini Intra-College Cricket Tournament (Silicon Super 7)

'Silicon Super 7' - a mini (25 yard) intra-college cricket tournament, was organized on 30th and 31st January 2021 for the final year B. Tech. and PG program students staying in the hostel. A total of 12 teams, each containing 7 players, participated in the event. The team The Crid-7 from 3rd year B. Tech. was the winner and the team Bullet-7 from MCA was the runner-up. The event was successfully conducted, abiding by all rules and regulations of COVID-19 guidelines.

DATOMS Innovation Challenge 2021

SiliconTech, has opened an opportunity for students to go for industry-guided projects/internships in collaboration with Phoenix Robotix Pvt. Ltd. (datoms. io).Phoenix Robotix Pvt. Ltd. (datoms.io), launched an innovation competition, named 'DATOMS Innovation Challenge 2021' on 22nd 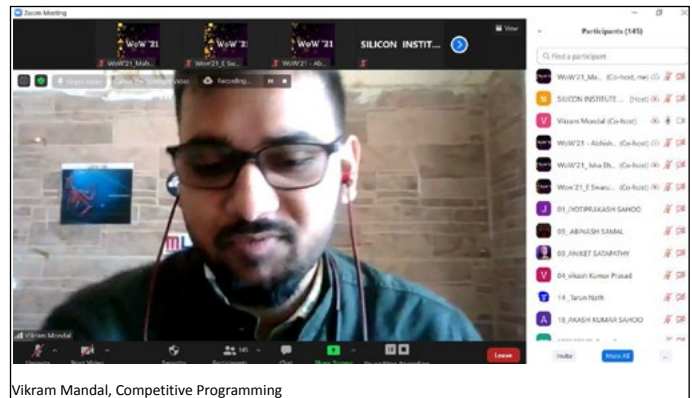January 2021, in the Industrial IoT domain. A total of 15 students have been selected after two rounds of evaluation. They will be trained on cutting edge technologies to work on implementation of their ideas by industry experts so as to come up with innovative products (working prototypes) which can be deployed in real world applications.

Weekend of Webinars (WoW 21)

D2C Igniters Club Silicon Chapter conducted Weekend of Webinars (WoW 21) - a 2-day webinar series - on 31st January and 7th February 2021. Three webinars were conducted. Mr. Anuj Garg (Founder@Code for Cause & Coding Junior; GSoC Admin @JBoss Community & Opensource Outreach Advocate @JBoss College), spoke on 'Roadmap of Opportunities' during College. He advised students to explore different career opportunities, networking with experts etc while pursuing studies. Mr. Vikram Mondal (ICPC Regional Finalist; Teaching assistant @Coding Ninjas; Intern@ WD), gave an insight into Competitive Programming (CP), and how students can get started with CP, various CP competitions, CP versus Projects and how to excel in this field. Mr. Manas Hota (Entrepreneur; Co-founder @DrinkPrime & a Business Developer) spoke about the importance of 'Digital Marketing' in this era.

The D2C Igniters Club was established to provide students a platform where they can learn from the best personalities of the industry who can guide them in their journey towards excellence. WoW 21 was the first series of webinars conducted by the club, with a purpose to give students an impetus to their academic journey with various opportunities available. WoW 21 was a huge success amongst students with 300 registrations.

Vikram Mandal, Competitive Programming

Industry Visit by Students of M. Sc. (Data Science)

An Industry visit for first year M.Sc. (Data Science) students was organized on 19th February 2021. Sixteen students, accompanied by two faculty members - Prof Sanjeev Kumar Dash & Professor Dayal Kumar Behera (from the Department of CSE), visited AcesoCloud Software Solutions Pvt. Ltd., Bhubaneswar. The students interacted with their professionals. Mr. Mohar Manohar Mishra - CEO and Co-founder of AcesoCloud also interacted with the students and briefed them about career prospects in the domain of Data Science.
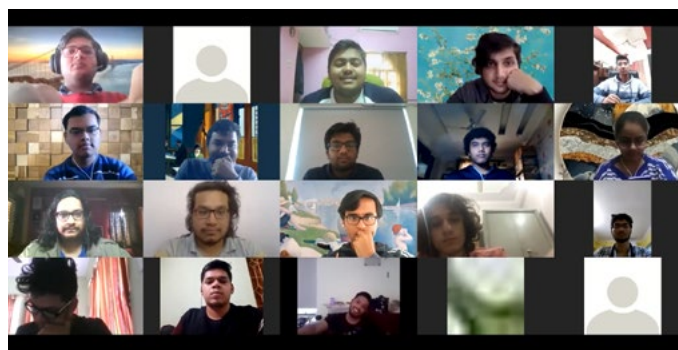
Staff Award Function 2021

The Annual Staff Award Function 2021 was organized on 6th February 2021 by the Silicon Staff Welfare Committee. Five employees received the long service recognition awards for 20 years, twenty five employees received the same for 15 years and twenty five employees received awards for 10 years' service. Eight faculty members, who were awarded with Ph. D. Degrees, were also felicitated during the function. The 'Employee of the Quarter' award category was introduced this year. Prof. Sushant Kumar Pattnaik, ECE (Category- Teaching), Mr. Debi Prasad Pradhan, EIE (Category- Non Teaching, Technical) and Mr. Jitendra Kumar Nayak, (Category-Administration) were felicitated for the quarter ending December 2020, for their contribution, innovation and dedication.

Aurabinda Misra Memorial Quiz

Silicon Quiz Club organized the 'Aurabinda Misra Memorial Quiz' online this year on 7th February 2021. It was open for students at the National level. A total of 140 teams (each team consisting two members) participated in the preliminary round. Dr. Adarsh Kumar Mohapatra (MBBS, Intern doctor @ AIIMS, Bhubaneswar) and Mr. Ritwik Tripathy (Batch 2020, Associate Software Engineer at Mindtree, Bhubaneswar) were the quiz masters. The winners were Mr. Ayuj Consul (3rd year, Television Writing and Production, Chapman University, CA, USA) and Mr. Pranava Dhar (1st year, Cognitive Science, Yale University, CT, USA). First runners-up were Mr. Aditya Tiwari (1st year, BA Economics, Ashoka University, Sonepat, Haryana) and Mr. Abhiraj Singh (1st year, BA Economics, Shri Ram College of Commerce, Delhi

University). Second runners-up were Mr. Amlan Sarkar (1st year, MA Sociology, Delhi School of Economics, Delhi University) and Ms. Sonal Sharma (2nd year, BA English, Miranda House, Delhi University). This quiz is named after Late Professor Aurabinda Misra of SiliconTech who was the founder of the Odisha Quiz Association.

Vibe on Beats

Silicon Music Club conducted a musical event, Vibe on Beats for the 1st year students on 13th February 2021. Participants joined the event with zest. There were various performances such as dance, song and playing of instrumental music. Our alumni, Mr. Ayush Khandelwal (Batch 2019), Ms. Anshika Pandey (Batch 2020) and Mr. Ninad Pattnaik (Batch 2020) were invited as special guests to the event.

Republic Day Celebration 2021

Silicon observed the 72nd Republic Day on 26th January 2021. The National Flag was hoisted by the Director, Dr. Saroj Kanta Misra, which was followed by singing of the National Anthem by all present. Thereafter, Dr. Misra addressed the gathering with his motivating words on how the pandemic has given us an opportunity to march ahead under trying times by opening new doors when all existing doors are closed.

Academic Meets

5TH ACADEMIC COUNCIL MEETING

The 5th Academic Council Meeting of Silicon was conducted on 27th February 2021. 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 (Principal Scientist, CSIR- IMMT, Bhubaneswar) and Prof. Banshidhar Majhi (Director, IIITDM Kancheepuram) joined the meeting online. The regular activities like ratification of online examinations, approval of results, review of academic reports and other events, achievements by students and faculty members were discussed. Inclusion of reputed research organizations for Practice School in the final year was also discussed and accordingly the amendments to Academic Regulations were approved. The members highly appreciated Silicon's entrepreneurship development initiatives to create a start-up ecosystem on the campus.

36TH GOVERNING BODY MEETING

The 36th Governing Body meeting of Silicon was conducted on 12th March 2021. Thirteen members attended the meeting to discuss the overall progress of the Institute. Members discussed the academic progress under the pandemic situation, budget approval for 2021-22, and overall preparedness of the Institute for the ongoing academic session 2020-21. Chairman Mr. Joe Madiath appreciated all the faculty, staff members and students for their continued efforts in ensuring a seamless conduction of all academic activities during these unprecedented times.

SIT MUN 2021

The Model United Nations (MUN) conference which is a simulation of the UNO (United Nations Organization) was held from 12th - 14th February 2021. It is an annual event of the Meta-Academics Cell, an inter- college debating forum. Students participated in good numbers from SiliconTech and other institutes. Outside participants were from BJB College, SOA University, Sri Sri University, DAV School of Management, Astha

School of Management, Rama Devi University (from Bhubaneswar); Jindal Global University- JGU, Kolkata, and Christ University, Bangalore. The participants joined the program both online and offline. Retd. Col. Dr. Satyanarayan Ray (Ex- Indian Army) inaugurated the event and the three-day conference ended with the felicitation ceremony on 13th March 2021.

Webinar on Functional Materials for Emerging Technology (FMET 2021)

A national level webinar on 'Functional Materials for Emerging Technology (FMET 2021)' was organized by the Department of Basic Sciences & Humanities (BSH) at Silicon, in association with Visvesvaraya Technological University (VTU) and Aryabhatta Knowledge University (AKU), Patna from 2nd to 5th March 2021 under the BPUT sponsored TEQIP III program. The objective of the webinar was to bring together international and national experts from academic and R&D organizations to facilitate interactions on the recent trends in functional materials processing, characterization and its applications. Nine eminent speakers from different premier academic and research Institutes from India, USA and Europe delivered their talks on different topics of Functional Materials and their applications. 190 participants (faculty members, young researchers and students) from TEQIP & Non-TEQIP institutes from Odisha, as well as from other premier institutes viz., IISc, IITs, NITs, and other renowned technical institutes from India attended this webinar.

Webinar on Machine Learning and its Applications

Department of CSE and MCA conducted a three-day webinar on 'Machine Learning and its Applications' from 4th March to 6th March 2021. The major topics discussed were Industrial applications and approach to solving problems using Machine Learning, Regression Problems in Supervised Learning, Ensemble Methods in Machine Learning, Quickest Change Detection, and Unsupervised Learning. Dr. Bighnaraj Panigrahi (Associate Consultant in TCS Networks Innovation Lab), Dr. Hemanth Kumar Rath (Senior Scientist at TCS Networks Lab), Er. Sumanta Patro (researcher at TCS Networks Lab), Dr. Siba Narayan Swain (Asst. Professor, IIT Dharwad), Dr. Vineeth N Balasubramanian (Department Head, AI, IIT Hyderabad), Dr. Taposh Banerjee (Asst. Professor, University of Texas) and Dr. Ashish Ghosh (Head, Machine Intelligence, ISI Kolkata) were the eminent speakers for the webinar.

Around 190 participants, consisting of industry professionals, faculty members and students attended this webinar.

Formation of the SAGE- 'W' Cell

The Social Awareness and Gender Equality for Women (SAGE-'W') Cell comprising of faculty and student members was formed on 27th January 2021, as per AICTE guidelines. Its 3Ps aim at Promoting, Practicing and Propagating leadership skills among women students, acknowledging women student achievers through awards in various categories like academics, technical innovations, entrepreneurship, and cultural practices. SAGE-W Cell also will be involved with conducting competitions, seminars and awareness programs to promote gender equality, creating opportunities of self-expression for women and promoting ideal cultural practices among them, and drawing inspiration from India's age old epics and scriptures.

International Women's Day 2021

The International Women's Day with the theme 'Choose To Challenge' was observed on 13th March 2021. Dr. Adyasha Das (Associate Professor, Indian Institute of Tourism & Travel Management- IITTM, Bhubaneswar, Ministry of Tourism, Govt. of India) - an acclaimed playback singer and one of the notable contemporary Odia writers and Sri Surendra Kumar Sahoo (OFS, working as Comptroller of Finance, Utkal University) addressed the Siliconites on this occasion. Dr. Das' inspiring talk was on how women live in an age cluttered with stereotypes which are difficult to break. Sri. Sahoo on the other hand emphasized on keeping the right mindset to face challenges in life. Ms. Subha Snigdha, (4th year, CSE), who is also the Secretary General of Silicon Students' Council received the 'Woman Achiever Award 2021'. This event was conducted by the SAGE-'W' Cell.

PRAYAAS - by ISTE & Student CodeChef Chapter

A program named 'PRAYAAS - The Pursuit of Campus Placements' was conducted for students on 21st March 2021 to remove the fear related to placements in students. The initiative was taken by ISTE Students' Chapter in association with CodeChef Silicon chapter and the Industry Interface Cell of the institute. 95 students from 2nd and 3rd year appeared for the 1st round i.e. written test comprising of quantitative aptitude, reasoning, verbal ability and basic computer science topics. This was followed by a Coding test, GD and PI rounds. The GD round was conducted by the students of Meta Academics Cell and PI round was conducted by the final year students of Silicon who got campus placements. A total of 10 students were selected as the winners. This event was conducted under the supervision of faculty coordinators- Ms. Monorama Swain, Mr. Subrat Kumar Sahu , Dr. Lopamudra Mitra and Dr. Sanjeev Kumar Dash.

Plastic Waste Free Campus Campaign

The Silicon Green Club (SGC) conducted a plastic waste free campus campaign inside the Institute on 20th March 2021. The student members of Silicon Green Club participated in this campaign. The cleaning areas primarily covered during this event were the new academic building area, the library and the cafeteria.

TechnoZeal 2021

The Department of CSE conducted a complimentary online Train the Trainer program on Computer Network for higher secondary school teachers on 27th March 2021. The program included the basics of computer networking, as per the syllabus of higher secondary. Mr. Amarjeet Mohanty, Assistant Professor, CSE department explained the concepts of computer network through real life examples. A total of 129 teachers across the country attended this program.

The CSE Department also conducted a free online training program for higher secondary school students on the basics of 'Python Programming' in the last two weekends of March. Along with the faculty members, Siliconites from 6th semester also volunteered to teach the tutorial sessions. A total of 523 students across the country attended this program.

STTP on Professional Ethics and Human Values (PEHV 2021)

A six-day Short Term Training Program (STTP) on 'Professional Ethics and Human Values', an AICTE- funded initiative, was organized at Silicon from 22nd to 27th March 2021. The objective of the program was to equip the participants with human values, ethics and key life skills, to enhance leadership qualities among faculty members and students and help them recognize and resolve ethical issues at the workplace. Faculty members from AICTE approved institutions and industry personnel were invited via online registrations. The resource persons were from varied areas with broad knowledge base with expertise and experiences in their respective fields. Dr. Tapan Kumar Chand, Former Chairman / Managing Director – NALCO and BALCO; Prof. Neharika Vohra, Vice Chancellor at Delhi Skill and Entrepreneurship University and Professor at IIM Ahmedabad; Dr. Rooplekha Khuntia, Assistant Professor, NISER, Bhubaneswar; Prof. Aditya Mohanty, Retd. Professor of Philosophy, Utkal University, Dr. Vijaya Lakshmi Mohanty, Associate Professor and Director of Film and Media Studies, Sri Sri Advanced Global Center for Conflict Resolution and Peace Studies, Prof. Dhaneswar Sahoo, Retd. Professor of Philosophy, Govt. of Odisha, Dr. Pratap Kumar Rath, Retd. Professor of Psychology, Utkal University, Swami Achalananda Giri, Kriya Yoga, Prajnana Mission, Dr. R. K Biswal, Assistant Professor, NIT, Rourkela, Dr. S. K. Kar, Program Director, CTTC, Bhubaneswar and Prof. S. P. Adhikary, Former Vice Chancellor at F. M. University, Balasore were some of the notable speakers. Dr. Mahendra Prasad Agasty was the program coordinator.

Ms. Monorama Swain, Senior Assistant Professor in the Department of ECE, received the 'INSTITUTION AWARD' from the Institution of Engineers (India), for her Technical Paper titled 'Automatic Classification of Discrete Emotions in Various Dialects of Odia Speech'. This paper has been selected for publication in their 62nd Annual Technical Report. The felicitation ceremony happened at the Odisha State Centre, The Institution of Engineers (India), Bhubaneswar on 28th March 2021.

Mr. Sushant Kumar Pattnaik (Assistant Professor, Dept. of ECE & Asst. CoE), **Mr. Debi Prasad Pradhan** (Technical Assistant, EIE) and **Mr. Jitendra Kumar Nayak** (Executive Officer, Admin.) received the 'Employee of the Quarter' award for their overall excellence in performing duties, showing leadership and achieving desired outcomes in the quarter October- December 2020. They were felicitated during the Silicon Staff Award function held on 6th February 2021.

Dr. Saswati Jena, Assistant Professor, Dept. of BSH was awarded MANODARPAN - Certificate of Appreciation by NCERT, New Delhi, Ministry of Education (MoE), Govt. of India on 4th February 2021 for her contribution towards providing Psycho-social support and Counselling during COVID times.

RESEARCH & PUBLICATIONS

Publications (Journals): **14**

SCI Indexed Journals published

(with high impact factor): **3**

Scopus Indexed journals published: **5**

Patents Filed: **2**

Conference proceedings published: **5**

Book chapters published: **2**

A book chapter titled 'Efficient Software Reliability Prediction with Evolutionary Virtual Data Position Exploration' written by Mr. Ajit Kumar Behera, Sr. Assistant Professor, Department of MCA at Silicon jointly with Dr. Mrutyunjaya Panda (Reader in PG department of Computer Science, Utkal University) was published by IGI Global in January 2021.

A Book Chapter titled, 'Online Clinic Appointment System Using Support Vector Machine' jointly written by Dr. Sanjeev Kumar Dash, Associate Professor, Department of CSE, Mr. Ajit Kumar Behera, Sr. Assistant Professor, Department of MCA at Silicon along with Dr. Sarat Chandra Nayak (Professor, Department of CSE, CMR College of Engineering & Technology, Hyderabad) was published by CRC Press in March 2021

![Silicon logo]

STUDENT ACHIEVERS

Akash Kumar and Koustuv Ray make it to GATE Top 100

Akash Kumar (CSE, Batch 2020) secured an All India Rank of 20 in GATE 2021. Besides self-study, he used discussion channels and mock tests to clear doubts while preparing for GATE. Akash was a proud member of Silicon Scholar's Club for being a consistent top performer in his branch. He has also been selected by Infosys Technologies through on-campus drive.

Kaustuv Ray (CSE, Batch 2021) got an All India Rank of 69 in GATE 2021. Kaustuv had decided to opt for higher studies and had started his preparations for GATE from 5th semester. He has a keen interest in Machine Learning and Artificial Intelligence. He has also been selected by Infosys Technologies and SAP LAB through their virtual on-campus drive conducted by IICELL.

Animesh@SquidMind

Animesh Kumar Nayak (CSE, Batch 2021) has been selected as a 'DevOps Engineer' by SquidMind Associates, an IT company working in domains like Digital marketing, DevOps, and CMS Development, with the highest offer of 26LPA. Animesh works primarily in technologies like DevOps, SRE, Linux SysAdmin, Dockers, Jenkins CI/CD, AWS, and HAProxy. He has written an article on HAProxy Load Balancer in Medium, which has been featured by HAProxy Technologies officially. Currently, he is doing freelancing on DevOps projects for international clients and companies and he is among the Top 100 AWS DevOps Freelancers in Upwork, a freelancing platform.

CAT Achievers (2020-2021)

Prateek Ram from CSE branch has scored a high CAT score of 97.67 percentile followed by Kewal Krishna from ECE with 95.6 percentile. Other students selected with ninety percentile & above scores are Diksha Sharma (CSE), Abhishek Lohia (EEE), Muskan (ECE), Kasturi Priya (ECE) and Gaurav Mahapatro (CSE). Abhishek Lohia also qualified in NMAT 2021 and has been selected for the MBA Human Resources program in NMIMS, Mumbai.

Rahul Kumar and Debashis Jena make it to Infosys PP/ SES

Rahul Kumar (CSE, Batch 2021) and Debashis Jena (CSE, Batch 2021) have been selected for the role of Power Programmer (PP) role with a package of 8 LPA and System Engineer Specialist (SES) with a package of 5LPA respectively through the InfyTQ Certification program. Rahul participated in the global Hacker Rank programming contest and got the highest 6 star rating in the session 2020-2021. Rahul has also cleared CodeVita - the global coding contest from TCS. Debasish also took part in the global Hacker Rank programming contest and got a 5 star rating in the session 2020-2021. He was also judged as the winner of the coding contest organized by Silicon CSI students chapter in the session 2019-2020. Both Rahul and Debashis are members of Silicon CSI students' chapter.

Siliconites qualify for the 2nd round of AICTE - Chattra Vishwakarma Awards 2020

The Silicon team comprising of Punyadeep Pattnaik and Ayushman Pattnaik from ECE, Batch 2021 were among the top 10 teams from the state who qualified in the 1st round of Chattra Vishwakarma Awards, 2020. The aim of this competition was to encourage, recognize and honor the ability of young and inspiring student talent. The theme of this competition was India's Economic Recovery Post COVID - Reverse Migration and Rehabilitation Plan to support "Atma Nirbhar Bharat". The team mentored by Mr. Sushant Pattnaik (Asst. Prof., Dept. of ECE) is eagerly awaiting the results of the 2nd round.

Team 'FarmFolks' secured the 1st position in the Global Innovation Drive 1.0

Team FarmFolks comprising of 6 members from Batch 2021 viz., Punyadeepa Pattanaik (ECE), Ayushman Patnaik (ECE), Ashutosh Patra (CSE), Asutosh Rath (CSE), Amit Kumar Patro (ECE) and Neha Mohanty (ECE), secured the 1st position in the Global Innovation Drive 1.0 - an international Hackathon, organized by Startup Grind, in collaboration with KIIT –TBI, from 23rd to 31st January 2021 and were awarded a pre-incubation opportunity at KIIT -TBI. They were one of the top 5 winning teams in the 'Empowering Youth Hackathon 2020' conducted from 28th to 30th November 2020, where they had competed against the top 20 teams across India, securing 5th position and were awarded up to 2 lakh worth prototyping support from IKP Eden and incubation opportunity at 100 Open Start-ups.
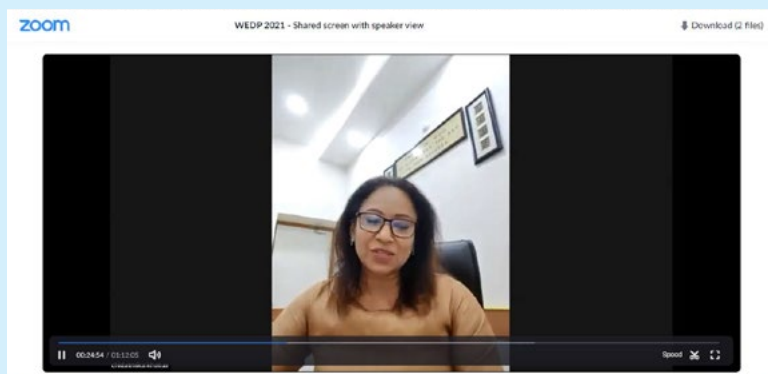
Team Farm Folks has also been selected by MHRD for the prototyping stage and entered the 2nd round on 26th January 2021, in the IIC National Innovation Contest (NIC) 2020 launched by IIC – MoE's Innovation Cell. They have submitted a detailed demonstration of their prototype to IIC NIC 2020 and are awaiting the results.

ENTREPRENEURSHIP DEVELOPMENT CELL

NSTEDB Sponsored Entrepreneurship Development Program

The Entrepreneurship Development Cell (ED Cell) of Silicon conducted a 6-week long Entrepreneurship Development Program, sponsored by NSTEDB (National Science & Technology Entrepreneurship Development Board), DST, Govt. of India, from 12th February - 26th March 2021. The training program was conducted in the online mode due to the COVID scenario. The objective of the program was to identify, motivate and train the youth to

become entrepreneurs. It had two events- TEDP and WEDP. The chief speakers during the inauguration were the Principal, Prof. Jaideep Talukdar and the Program Coordinator. Dr. Mahendra Prasad Agasty.

Technology Based Entrepreneurship Development Program (TEDP)

This technology based EDP was primarily focused on the training and development needs of entrepreneurs in a specific technology area of ICT designing and manufacturing, in the industrial automation domain. Dr. Mrutyunjaya Suar (CEO, KIIT TBI) and Mr. C. R. Pattnaik (former Regional Head EDII) were the chief speakers. 25 short listed participants were provided with hands-on training in indigenous technology development at R&D institutions that are available for commercial use.

Women Entrepreneurship Development Program (WEDP)

The Women Entrepreneurship Development Program (WEDP) was also conducted in the online mode from 20th February to 20th March 2021. Dr. Chidatmika Khatua (a successful woman social entrepreneur) and Mr. Bhabani Shankar Pani (Retd. Metallurgist, NALCO) were the chief speakers for the program. WEDP will help trainees identify the right business opportunities, write business plan proposals, conduct market surveys, know about financing schemes from MSME and plan curriculum that can imbibe the skills and competencies to achieve goals directed by values.

INDUSTRY INTERFACE CELL

Placement Highlights

The on - campus placement season continued in this quarter also mostly in virtual mode, as a result of which 75% of the eligible students have been placed by the end of March 2021. The companies that visited SiliconTech on-campus or in virtual mode includes premier IT/ VLSI companies like Accenture, Tech Mahindra, Digital General Insurance, Infogain and CoreEL with differential salaries ranging around 4- 4.5 LPA. Other companies which visited during this quarter are Appitsimple Infotek, CSM, ESSPL, Evosys Technologies, iServeU, Nagarro, Nirmalya Labs, Polosoft Tech, Surya International, STL and Thinkzone with 3-3.5 LPA offer. Most of the placed students are doing intenship in their final semester with monthly stipend varying from 8K to 20K.

SIDDHARTHA SHANKAR PANY
Scientific Officer at Bhabha Atomic Research Centre, Mumbai

B. Tech. (AEI) 2004-2008

Siddhartha is an Instrumentation engineer, serving as 'Scientific Officer' at Bhabha Atomic Research Centre, Mumbai. His areas of research involve design and development of sub-systems of the Scanning Electron Microscope. He has many publications in reputed journals and conferences. He has done his Masters in Instrumentation Engineering with specialization in 'Nuclear Engineering' from HBNI, Mumbai and is currently pursuing his doctoral studies.

NIKITA S. KAR
Data Engineer in Happiest Minds Technologies, Bangalore

B. Tech. (CSE) 2014-2018

Nikita is working as a Data Engineer in Happiest Minds Technologies, Bangalore and has an overall experience of over 2.5 years in the Big Data domain. She has won team awards for her exceptional performance. Her roles and responsibilities include Full Stack Big Data development of applications to provide seamless solutions to the client, working on huge volumetric data with real time processing using Big Data tools and techniques, building pipelines for data ingestion and data collection, transforming customer data into more meaningful information using high end technologies like Spark, Hadoop, Apache ecosystem, Kafka etc.

Dr. SOMYA RANJAN SAHOO
Assistant Professor, Vellore Institute of Technology (VIT, AP)

B. Tech. (IT) 2003-2007

Dr. Somya is currently working as an Assistant Professor in the Department of Computer Engineering, Vellore Institute of Technology, Andhra Pradesh after completing his Ph.D. in 2020 from National Institute of Technology (NIT), Kurukshetra. His research broadly focuses on cyber security, OSN security, Big Data security and IOT security. He is also involved in various Government projects sponsored by the Ministry of Electronics and Information Technology (MeitY) and Japan Science and Technology (JST). He received best paper awards from many International conferences.

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Sarbajeet Das is the Founder & Artistic Director of theatre group, 'Theatre On Your Own (TOYO)'. He has 15 years of stage experience, which involves 5 years of international theatre. He has acted and directed theatre groups including Heritage Ensemble Theatre Company, CAT(Chicago Area Theatre), Firehouse, and several more and has assisted more than 10 directors and Drama professors in the USA for films and theatre.

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