

SiliconTech

A QUARTERLY NEWSLETTER

SILICON INSTITUTE OF TECHNOLOGY, BHUBANESWAR

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EDITORIAL



Greetings from Silicon Tech, Bhubaneswar.

With the commencement of academics of the even semesters, the first quarter January – March remained buzzing with various other activities. We had the Parents Meet followed by the Annual Athletic Meet and Cultural Nite hosted by Campus-Life Coordination Committee in January. Knowledge enhancement sessions like Hands-on session on Blockchain technology, workshop on Machine Learning & Data Science, and several other industrial lectures were organized featuring experts from academia as well as industry. Massive participation with tremendous enthusiasm was witnessed in the institute level prelims for Smart India Hackathon with 22 teams showcasing their innovative ideas for solving real-life problems. The 24-hour coding competition organized by the ISTE chapter was even more exciting. Along with the regular academic activities, events like Model United Nations (SIT-MUN), Workshop on Functional Materials, InfyTQ training through the LMS platform, Inter-college sports tournament, TechFest & Annual Function kept Silicon's atmosphere filled with enthusiasm, passion, and engagement in the first quarter of 2020 except the last week.

With the lockdown announced by the Government due to COVID-19 pandemic, the Institute has remained closed from 23rd March. Within just 3 days, faculty members of Silicon geared up to engage the students in the teaching-learning process using various online platforms like Zoom, BigBlueButton, Cisco Webex, Google Meet, Google Classroom, etc. It was equally overwhelming to witness the enthusiasm & participation of the students in the online classes. This has proved that Silicon's passion for academics is beyond any lockdown. The commitment of Silicon Family to chase excellence through all possible odds is truly commendable.

Stay home, stay safe, and make the best use of the time!

Prof. (Dr.) Debabrata Kar
DEAN (ACADEMICS)

NEWS & EVENTS

MHRD Recognition

Silicon Institution Innovation Council (IIC) has been awarded with the second golden star by MHRD Innovation Cell (MIC), Government of India with a cumulative score of

47.5 out of 50 for the second quarter (October-December 2019) activities of the session 2019-20.

CSI Student Chapter Awards

Silicon CSI Student Chapter was awarded with the Best Accredited Student Branch Award–Region IV and the Largest Student Branch Award–Region IV for the session 2017-19 in the Annual Convention of CSI 2020 held at KIIT University, Bhubaneswar on 18th January 2020 in recognition of its significant contribution to CSI activities.



University Gold Medals in all Branches

Siliconites (Batch 2015-19) got Gold Medals in all the five B. Tech. branches viz., CSE, IT, ECE, EEE, EIE for being branch toppers in the University. In addition, Raj Jha, B.Tech. (CSE) 2015-19 has been declared as 'The Best Graduate' and has been conferred with the 'Arjun Bhuyan Best Graduate' Gold Medal by BPUT.

NAME	BRANCH	CGPA
RAJ JHA	CSE	9.34
SNEHA KUMARI	ECE	9.27
ANAMIKA MITTAL	IT	8.98
BHARATI KABRA	EEE	8.97
SAMIKSHA AGRAWAL	EIE	8.94

CSI Hands on Workshop on Blockchain Technology

A two-day hands on workshop on Blockchain Technology was organized by CSI-Silicon Student Branch on 11th & 12th Jan 2020. Prasanth Kumar Sahoo from TCS, Hyderabad conducted the workshop. The workshop started with an Introduction to Blockchain Technology and its application in Crypto currency and other areas

like Supply chain management, preserving land records, health sector data etc. Thereafter, the focus was on detailed programming on Ethereum platform using Solidity programming language for developing and deploying smart contracts. Twenty enthusiastic students participated in this workshop and it was a great success

Workshop on Machine Learning for Data Science using Python (MLDSP-2020)

The department of CSE/MCA organized a TEQIP III sponsored workshop on Machine Learning for Data Science using Python from 15th January to 19th January 2020. The objective of this workshop was to introduce participants to state-of-the-art methods in Machine Learning - Linear Regression, Logistic Regression, Gradient Descent Method, Clustering and applications related to Forecasting, Recommended Systems, Text and Speech Analytics and their implementation using



Python from a pragmatic and learning-through-doing oriented approach. Ten resource persons from Academia and Industry delivered talks and conducted hands on sessions during the workshop. There were

149 participants including 43 faculty members and 76 students from Silicon along with 30 faculty members/researchers/students from other Institutes.

ISTE Tech-O-Meter (HACK-ALL-NIGHT by ISTE Student Chapter)

The ISTE Students Chapter at Silicon celebrated its annual event Tech-O-Meter by organizing a 24-hour Hackathon on 8th & 9th February 2020. A total of 129 participants comprising of 35 software and hardware teams participated in this event. Each team had a mix of students from different years. The event was a beginner-friendly Hackathons where the concept of student mentors was introduced. The primary objective of student mentors was to advise the students while brainstorming for ideas, help them refine their final ideas and bring them to life. Tech-O-Meter aims to build a tech-culture at the institute and HACK-ALL-NIGHT provided a great platform to students to test their limits,



break their boundaries and nurture their technical skills. All the three winning teams had 1st year students along with other students.

Workshop on Functional Materials for Emerging Technology (FMET 2020)

The Department of Basic Sciences & Humanities (BSH) organized a BPUT TEQIP-III sponsored three-day National Workshop on Functional Materials for Emerging Technology (FMET 2020) from 13th to 15th February 2020. The objective of this workshop was to bring together international & national experts from R&D organizations, academic institutions and industries in the field of materials science to facilitate interactions and discussions on the recent trends in material processing, characterization and its application. Ten invited speakers delivered talks during the workshop. Dr. S. D. Mahanti (Michigan State University, USA) discussed on Energy, Nanoscience and Novel Materials, Dr. Satchidananda Rath (IIT Bhubaneswar) spoke on Magneto-optical properties of semiconductor layered nanosheets. Other



eminent speakers were Dr. Subhankar Bedanta (NISER, Bhubaneswar), Dr. A. Srinivasan (IIT Guwahati), Dr. Debakanta Samal (Institute of Physics, Bhubaneswar), Dr. Debabrata Pradhan (IIT Kharagpur), Dr. K. K. Chand, (Scientist, DRDO, Chandipur, Balasore), Dr. Anirban Bhattacharya (IIT Bhubaneswar), Dr. Satya Prakash Sahoo (Institute of Physics, Bhubaneswar) and Dr. Enakshi Das (Silicon Institute of Technology, Sambalpur).

Electrical & Electronics Devices Workshop (EED 2020)

The Department of Electrical and Electronics Engineering (EEE) organized Electrical and Electronics Devices workshop (EED 2020) on 15th February 2020. This workshop mainly focused on enhancement of the basic technical knowledge of the students on devices used in day-to-day activities as well as to provide a platform for effective information sharing. There was a display of around twenty electrical and electronic gadgets along with the description of its working and applications in the real world. Eighty-four students attended this workshop. This workshop was segregated into three

interactive sessions. The first session comprised of an industrial talk on 'Substation Layout and Equipment Positioning' by Er. Kanhu Charan Bisoi. In the second session, students moved around the displayed devices and interacted with the final year students which was followed by an Industrial visit to OPTCL. A technical quiz for the registered students and the prize distribution ceremony were conducted on 4th March 2020 and the winners of the quiz and gadget display were awarded cash prizes and certificates.

Training Program on Backend Web Development

The department of Electronics and Instrumentation Engineering (EIE) organized a training program on 'Backend Web Development' from 11th – 15th February 2020 for the students of 6th semester. Forty-one shortlisted students participated in this training program which covered topics such as Introduction to Backend, Introduction to Node, Introduction to Express and MySQL. The objective of this program was to create

awareness about the Hackathon events and to discuss their problem statements through project based training. This project based training program mostly covered the fundamentals of NodeJS and MySQL in the web applications. The program concluded with different projects like GIF Searcher, Class Proxy Dealer, Language Translator, Schedule Maker, Skylab Automated Music System, Elevator Simulation and Blogging platform.

National Workshop on Emerging Technologies (NWET 2020)

The National Workshop on Emerging Technologies in Electrical Power Engineering, popularly known as NWET, is an annual flagship event organized by the Electrical & Electronics Engineering (EEE) department at Silicon since 2009. NWET is a forum for the industry & academia to discuss and share knowledge on emerging technologies and practices in electrical power engineering. The 12th NWET workshop was conducted from 27th to 29th February 2020 with focus on Power with Quality, Reliability, Safety and Security (PQRS). Eminent persons such as Er. Sanjaya Patki (Senior Technical Advisor & Former VP, Corp Engineering Tata Power) Er. P. K. Pattanaik (DGM, E&MR Wing, OPTCL), Dr. K. Rajamani (Chief Engineering Consultant, Power Linkers, Mumbai), Dr. Prashant Navalkar (Director, Power Anser Lab., IIT Bombay), Dr. R. Nagaraja (Founder & MD, PRDC, Bengaluru) and Er. A. K. Tripathy (Former DG,

CPRI, Bangalore) addressed the delegates, students and staff members during the workshop. 36 industry professionals, 6 faculty members and research scholars from outside Silicon, and 51 student delegates graced the event and shared their knowledge.



All India Power Engineers' Meet (AIPEM 2020)

The All India Power Engineers' Meet (AIPEM 2020) was organized on 1st March 2020 by the EEE department following the 12th NWET workshop. More than 200 power engineers who were part of the 'SPARK' group met

to brainstorm on the current issues related to the power sector. There were three technical sessions in which a pool of subject experts interacted with the delegates on specific topics related to Power Systems.

SIT-MUN 2020

The Meta Academics Cell of Silicon organized SIT MUN (Silicon Institute of Technology Model United Nations) from 14th to 16th February 2020. Colonel D. Swain, Commanding Officer of 120 Infantry Battalion, gave the inaugural address as the Chief Guest. Three committees took up three different agenda for the debate such as 'Securing our common future-working towards a nuclear weapon free planet', 'Discussing the rights of refugees in a global context with special emphasis to the newly amended Citizenship Act in India', Reviewing the current structure of Emission Trading Scheme (ETS) and Nationally Determined Contribution (NDCs) in the context of the Paris Agreement and Researching, developing and transferring of technology to support



the implementation of the Paris Agreement.' This event was a great success with 150 students participating in it including 30 from other institutes.

Inter-College Youth Festival

An inter-college cultural event (youth festival) was organized at Silicon on 16th February 2020, under the mandate of AICTE, to celebrate the cultural collaboration with different states of India. This event was part of the Ek Bharat Shresth Bharat program, where there were cultural renditions in dance, music, song – all of Indian cultural, folk and popular music origins. Students from various institutes participated in this event to make it a grand success.



Inter-College Sports Meet 2020

The 13th Inter-College Sports Meet was organized at Silicon from 17th - 20th February 2020. Many colleges like IIIT Bhubaneswar, KIIT University, Bhubaneswar, SriSri University, Cuttack participated in this meet where various events like Volleyball, Basketball, Football, etc., were conducted. The meet was inaugurated by the Director Dr. Saroj Kanta Mishra and Principal Dr. Jaideep

Talukdar on 17th February 2020. The matches played with true sportsman spirit, were judged by external referees in the presence of internal staff and sports committee members. The prize distribution ceremony was held on 20th February, 2020 wherein trophies and cash prizes were distributed to winner and runners-up teams under different event categories

Matrubhasha Diwas (International Mother Language Day)

Silicon celebrated the Matrubhasha Diwas on 20th February 2020 to commemorate the International Mother Language Day – a day dedicated to promote the dissemination of mother tongues and fuller awareness of linguistic and cultural traditions throughout the

world and to inspire solidarity based on understanding, tolerance and dialogue. The programme witnessed a host of speakers, both students and staff, who actively participated in speech, poem recitations and poster making competitions.

ZYGON 2020 (Annual Fest)

The much awaited Annual Cultural Function of Silicon - ZYGON 2020 was organized from 21st to 23rd February 2020. It comprised of cultural renditions in the genre of song, dance, musical band, ramp and theatrical performance. There was a well scrutinized series of events in the categories of solo and group songs, dance performances, ramp show, literary events and performance by ZEAL (Zenesis of Enthusiasm About Life) club. The third day of the fest witnessed the Battle of the Bands - an inter-college band competition, along with the Silicon Band, and an event in rap music. Apart from musical events, the Meta-Academics Cell also organized literary events viz., essay writing, poetry writing and recitation, Open Forum - a debating event, Open Sword - a speech contest. The Music Club also conducted an Antakshari competition. At the end, the



prize distribution was held to felicitate the winners in various categories followed by a theatrical performance, making ZYGON 2020 a huge success.

NOESIS 2020 (Tech-Fest)

Our Annual Technical Fest –NOESIS 2020 was organized from 22nd to 24th February 2020. This Tech-Fest always gives a platform to students of different institutes, including Siliconites, to showcase their talent in different fields. The regular events included Robotics, Coding, Circuit Design, Technical quizzes, Idea Generation etc. This year Noesis 2020 came up with new flagship events like Drone Tussle (Robotic Event) and Talk Show (Motivational and Technical Talk). The Tech Fest included a dedicated FUNZONE set up in front of the workshop that included events like Face painting, Balloon fighting, Flash Mob and Tattoo Artist. The fest turned out to be a grand success with more than 1500 students from Silicon and other colleges participating in various events.



International Women's Day

Silicon observed the International Women's Day on 14th March, 2020. The event was graced by Ms. Sagarika Nath, IPS, DCP (Traffic), Police Commissionerate, Bhubaneswar-Cuttack. She addressed the audience, which comprised of students and staff, on the theme of this year's International Women's Day – #Each for Equal: An Equal World is an Enabled World. She spoke about the disparities prevalent against women in our society and that men have a greater role in enabling women empowerment. The disparity starts at home first and that is when we fail as a society. We need a change in our mindset. She shared her personal life experience of cracking UPSC exam in the 4th attempt, thereby highlighting that patience and determination are the key to success. She also shared few instances of her department's efforts in implementing new traffic regulations in the twin cities of Bhubaneswar and Cuttack, under her jurisdiction and supervision. It was indeed a very inspiring and captivating speech that Ms. Sagarika delivered with a very strong message



to the students, in particular, to actively participate in bringing about a change in our society and make it a better place for everyone to live in.

Technical Talk Session

by Er. J. K. Khilar

The department of Electronics and Instrumentation Engineering (EIE) organized a technical talk session for 6th semester students by Mr. J. K. Khilar (Manager, C&I, NALCO Angul) on 14th March 2020. The objective of the talk session was to create awareness among the students regarding the current skill requirement for a Control and Instrumentation (C&I) Engineer in various core industries like Siemens, ABB and Honeywell. The talk mostly covered the roles of Advanced Process Control (APC), Distributed Control Systems (DCS), Programmable Logic Controllers (PLC) and Supervisory Control and Data Acquisition (SCADA) in process industries. He also discussed about the opportunities for Electronics and Instrumentation students in Power generation and renewable energy companies.

Open MIC 2.0

Open MIC 2.0 - the annual literary and musical event was organized by the Meta Academics Cell on 10th January 2020. The Meta Academics Cell is the socio-cultural club at Silicon, where competitions in the genre of poetry recital, speech, opinion sharing take place with original compositions by Siliconites.

Charity Drive by IEEE Silicon Student Chapter

The IEEE Silicon Student Chapter organized a charity drive in the campus in the month of January 2020 to provide an Automatic Wheel Chair facility for differently-abled students. Currently, one of our 2nd year students is using the same for campus movement.

18th Parents' Meet

The 18th Parents Meet was held on 11th January 2020. Our Principal Dr. Jaideep Talukdar delivered the welcome address. Dean Academics Dr. Debabrata Kar presented the Activities and Achievements of 2019. Dean Administration and Students Affairs Dr. Saroj Kanta Misra initiated discussions on various issues. This is a platform for collecting inputs from the parents, addressing their queries and sharing institute level updates with them. Around 100 parents participated in the meet.



Staff Award Function



The Staff Award Function, a yearly event, of Silicon Institute of Technology, Bhubaneswar was held on 25th January 2020. 44 staff members received Long Service Awards for completing 20 years, 15 years and 10 years. Besides this, 11 faculty members were also felicitated for completion of their PhD degrees. Prizes for sports and cultural activities conducted earlier during the year were also distributed. During the program, varied cultural programs viz. singing, dancing and drama were presented by staff members.

Cultural Nite 2020

The Campus Life Co-ordination Committee (CCC) of Silicon Residence organized its annual cultural event viz., Cultural Nite-2020 on 18th January 2020. Students from all the years performed in different activities like dance, song, traditional wear ramp walk, hip-hop dance and much more. Their performance was much appreciated by the audience.

The Annual Athletic Meet

The 13th Annual Athletic Meet was held on 18th January 2020 at Silicon. The meet commenced with inauguration ceremony, followed by oath taking ceremony by Silicon Sports Secretary Mr. Roshan Sharma along with the participants. Various track and field events were conducted and judged with the help of external judges and under the supervision of Sports committee members and other deputed staff.

Republic Day Celebration

The Republic Day was celebrated on 26th January 2020. Our Principal, Dr. Jaideep Talukdar hoisted the National Flag followed by National anthem by all present. Thereafter, Dr. Talukdar addressed the gathering.



SILICON QUIZ FEST

Aurabinda Misra Memorial Quiz

The Silicon Quiz Club organized a Quiz Fest in February 2020. The Fest had two events viz. 'Aurabinda Misra Memorial Quiz' and FLAMES Quiz. The 'Aurabinda Misra Memorial Open Quiz 2020' was organized by the Silicon Quiz Club on 1st February, 2020. 60 different teams from corporate houses, engineering and medical colleges participated in the prelims round. The final round was

conducted by quizmaster Mr. Sanket Tripathy from XIMB. The winners were Saransh Mohapatra (Infosys, BBSR) and Mukti Swaroop Pradhan (CET, BBSR). The first runners-up were Adarsh Kumar Mohapatra (AIIMS, BBSR) and Ranjan Anil Kumar (AIIMS, BBSR). The second runners-up were Toyad Pattanaik (SIT, BBSR) and Ritwik Tripathy (SIT, BBSR).

FLAMES Quiz

The second event of the Fest named the FLAMES (Food, Literature, Art, Music, Entertainment and Sports) Quiz was conducted by Ritwik Tripathy (Secretary, Silicon Quiz Club) on 2nd February, 2020. 25 teams from different colleges and schools in Odisha participated

in the preliminary round out of which 8 teams reached the finals. Siddharth Mishra (NMIMS, Mumbai) was the winner. Adarsh Kumar Mohapatra (AIIMS, BBSR) and Toyad Pattanaik (SIT, BBSR) were the first runners-up followed by Tirthatilak Pani (CET, BBSR) and Puranjan Dev (SCB, Cuttack) who were the second runners-up.

Talk by Brahma Kumari Sabitha

Brahma Kumari Sabitha from Prajapita Brahma Kumari Ishwariya Vishwa Vidyalaya, Mount Abu, delivered two separate talks for students and staff members on 8th

February 2020 on different topics. While she addressed the students on 'Career and Power of Silence' the topic for the staff members was 'Anger Management'.

FACULTY IN NEWS

Dr. Saswati Jena, Assistant Professor (Counselling Psychologist) at Silicon received the award of "Galactic Altruism in Social Change" at a National Symposium on End User Interface and Translational Approaches in Employability among the Differently Able: Integrating Social Entrepreneurship and Pro-People Social Communication organized by the National Institute of Science Education and Research (NISER), Bhubaneswar on 6th of March 2020. Also, WE4YOU organization felicitated her with the 'WOMEN OF COURAGE AWARD – 2020' on the occasion of International Women's Day celebration on 8th March 2020.



SILICON ENTREPRENEURSHIP DEVELOPMENT CELL

Entrepreneurs' Fest 2020

The Entrepreneurship Development Cell (ED Cell) of Silicon organized the Entrepreneurs' Fest 2020 from 1st - 3rd February 2020. On Day 1, two special talks were delivered by two young entrepreneurs of international repute - Mr. Ashutosh Srivastava (M.S. from Massachusetts Institute of Technology in Cryptography with 15+ years of work experience in Cyber Security,

Machine Learning and building reliable, scalable products including 10 years at J. P. Morgan) and Mr. Bibin Babu (1st gen entrepreneur with proven record of building and scaling businesses in technology, talent and branding) who is one of the most prominent evangelists of Blockchain technology in India. Also, a business quiz competition was organized where 100+ students from

all over the State participated and the winners were given cash prizes worth INR 15000. On Day 2, Ideathon – an Idea Generation competition was organized. The students from all over the State participated in this competition. 30 groups from different parts of the State participated in this competition out of which, 3 groups were selected for their innovative ideas. The students were given cash prizes worth INR 35,000. Mr. Bibin Babu and Mr. Rashmi Ranjan Sahoo from Start-up Odisha helped in organizing the competition. On Day 3, Silicon Alumni Entrepreneurs were invited to share their experiences and they were felicitated.



STUDENT ACHIEVERS

GATE and CAT Results 2019-20

25 Siliconites have qualified in GATE. Raju Yadav (AIR 45, ECE) and Raj Jha (AIR 222, CSE) of Batch 2015- 2019 have scored the highest followed by Amlan Prateek Acharya (AIR 527, ECE), Rishi Kumar (AIR 1046, AEI) and Karunesh Kumar (AIR 1531, CSE) of Batch 2016-2020. 8 Siliconites of Batch 2016-2020 have qualified in CAT. Akash Das (CSE) scored the highest–93 percentile followed by Devidutta Sahoo (ECE) with 92.22 percentile and Anand Kumar (ECE) with 92.16 percentile.

Winners of Hackathons and Project Competitions

Silicon Tech students participated and won in various Hackathons and technical project competitions conducted by IITs, NITs and other reputed universities this quarter too. This has added greatly to our laurels.



1. **Team Meshmerize** – Prashant Ranjan (4th year, EEE) won the 2nd prize in Robotics Line Follower organized by IIT, Bombay from 2nd to 4th of January, 2020.

2. **Team Innovaterring** – Prashant Ranjan (4th year, EEE) won the 2nd prize in Project Exhibition organized by IIT, Bombay from 2nd to 4th of January, 2020.
3. **Team Maze Solver** – Prashant Ranjan (4th year, EEE), Adhyayan Pradhan (4th year ECE) and Abhishek Kumar (3rd year, EEE) won the 1st, 2nd and the 3rd prize In Robotics event, organized by IIT, Bhubaneswar from 2nd to 4th of February, 2020.
4. **Team Wizard** – Nitesh Kumar, Deepak Kumar Sharma, Kshitiz, Yashraj Mishra, Utsav Kumar and Megha Das all from 3rd year, EEE won the 3rd prize in the Hackathon on the problem statement of Water Management organized by C.V. Raman College of Engineering, Bhubaneswar on 24th January, 2020.
5. **Team Wizard** – Nitesh Kumar, Deepak Kumar Sharma and Aishwarya Mohanty secured top ten position in Ravenshaw University for the event Utkal Hack 2.0 on the problem statement of Smart Rain Water Management on 1st February, 2020.
6. **Team Innobuzz** – Prashant Ranjan (4th year, EEE), Adhyayan Pradhan (4th year, ECE), Akansha Rani (4th year, EEE), and Smruti Pragya Dash (4th year, EEE), won the 1st prize in Innobuzz Hackathon, organized by V.S.S.U.T, Burla on 16th February, 2020.
7. **Team Drone Challenge** – Prashant Ranjan (4th year, EEE) and Adhyayan Pradhan (4th year, ECE) won the 1st prize in Robotics event organized by IIT Bhubaneswar from 2nd to 4th February, 2020.
8. **Team Tech Expo** – Prashant Ranjan (4th year, EEE), Abhishek Kumar (3rd year, EEE) and Adhyayan Pradhan (4th year, ECE) won the 1st prize in Project Exhibition, organized by IIT Bhubaneswar from 2nd to 4th February, 2020.

9. **Team Technova** – Prashant Ranjan (4th year, EEE), Abhishek Kumar (3rd year, EEE) and Adhyayan Pradhan (4th year, ECE) won the 1st prize in Technova Hackathon, organized by IIIT Bhubaneswar on 6th February, 2020.
10. **Team Encoded** – Prashant Ranjan (4th year, EEE) and Adhyayan Pradhan (4th year, ECE) got the 1st Prize in the Project Exhibition organized by IIT Bhubaneswar on 8th February, 2020.

Winner in Inter-college Oratory Competition

Sanath Kumar Swain of 3rd year EEE won the 2nd prize with a cash prize of INR 15000 in the prestigious inter-college oratory competition conducted by Astha School of Business Management (ASBM) on 24th February 2020.

Winner in Inter-college Quiz Competition

RitwikTripathy (4th year, CSE), Ronit Kumar Panda(4th year, CSE), and Toyada Pattanaik (3rd year, CSE) from Silicon Quiz Club won the 2nd prize with a cash prize of INR 1,44,000 in the inter-college quiz competition named 'Numero Yono' organized by SBI on 4th March 2020.

INDUSTRY INTERFACE CELL

Industrial Lecture Sessions

The Industry Interface Cell, with the help of faculty co-coordinators from the respective departments, conducted Industrial Lecture sessions for the 6th semester students. These lecture sessions encourage networking and exchange of knowledge between industry experts and students. The speakers typically share their work/project related experiences, the latest technology trends etc. Ten industry lecture sessions were conducted for the pre-final year students of EEE, CSE, ECE and E&I branches on diverse topics like Nano Technology, Interlinking game of voltage and current, Industrial Automation and Management, Role of SCADA in power sector for effective power management, Electrical Safety, Sub-station Layout, Indian Power Sector Scenario and Reforms in Power Sector etc.

Industry Readiness Programs

The Industry Interface Cell conducted 3 programs viz., Data Science, VLSI Internship Program, Complex Problem Solving and Algorithmic Thinking using Python. These programs help to give the students an exposure to the technologies where the demand is high through skilling and mentoring by industry experts. The highlight of these programs are the industry ready technical project under the guidance of the industry experts and the 24*7 learning and assessment platform which challenged individual students by providing thousands of practice questions and industry ready case studies. A group of around 250 B.Tech. / MCA students of 2021 graduating batch were part of these programs.

Talk on Career in Indian Navy for Engineers

The Industry Interface Cell also conducted an address session on 'Indian Navy Awareness cum Publicity Campaign' by Lieutenant Abhishek Joshi from Indian Navy on 11th February 2020. He briefly touched upon the see-saw changes in the Indian Defense sector in general besides talking about the career in Indian Navy for engineers and the computer based Indian Navy Entry Test (INET) through which the students can try for a lucrative career in Indian Navy.

Early Engagement Program by FSS

Financial Software & Systems (FSS) a global leader offering technology solutions and services in the area of electronic payments and financial transaction processing, conducted a two-day Early Engagement Program at Silicon for the 2020 selects from Odisha based engineering colleges Silicon, KIIT, ITER, Trident and CV Raman. The two full-day programs held on 24th and 25th February 2020 covered orientation by FSS team members followed by hands-on platform based lab sessions.

Placement Highlights

Most of the reputed companies had visited the campus in the last quarter. In this quarter, our students participated in some pooled campus drives of major IT companies like Capgemini, DXC Technology. Start-ups like Inflexi Technologies, Marquee Semiconductor, Lecture Notes visited our campus and gave internship-cum-job offers to our students. Over 80% of the students got job offered by the end of March 2020.

ALUMNI BYTES



Dr. Nishant Kumar
Post-Doctoral Research Fellow,
NUS, Singapore
B.Tech. (EEE) 2007-2011

Dr. Nishant is currently working towards his Post-Doctoral research fellowship, in the area of Cyber security for Power Grid at National University of Singapore (NUS), Singapore. During his M. Tech. research at National Institute of Technology (NIT), Durgapur, he published 10 IEEE international conference papers. NIT Durgapur awarded him with a Gold Medal for his contribution to research. During his PhD research at IIT Delhi, he published papers in world-renowned journals like IEEE Transactions, IET Journals etc. He has filed 5 Indian Patents as well as published 13 IEEE International Conference papers.

His research paper got the best paper award in the International Conference on Universal Village (UV 2018), at Massachusetts Institute of Technology (MIT), USA. His research was awarded with the Best PhD Thesis Award at IIT Delhi, and he was felicitated by Dr. K. Sivan (Chairman ISRO, India) in the Golden Jubilee Convocation event at IIT Delhi.

He was awarded the POSOCO Power System National Award (PPSA-2018) - Doctoral Category by Power Grid Corporation of India Limited. He also received the Best Paper award in IEEE Engineer Infinite (2018), Young Achiever Award and Research Excellence Award of 2019 by Institute of Scholars (InSc). He is also the Recipient of Early Doc. Fellowship, given by Indian Institute of Technology (IIT) Delhi.



T. V. R. Murty
Business Transformation Manager,
CTS, B.Tech. (EEE) 2002-2006

T. V. R. Murty is playing the role of a Business Transformation manager in Cognizant, since 2014. He is responsible for managing large and complex process improvement/redesign projects across functions, departments and lines of businesses comprising a team of 300. He says, 'This role made me realize that quality cannot be limited to a single/set of application/s. It has to be adhered to and governed across by all stake holders like business partners, developers, change management, audit & risk management and finally production support.'



Dr. Manas Kumar Jena
B.Tech. (EEE) 2007-2011
Assistant Professor, IIT Palakkad

Dr. Manas is currently working as an 'Assistant Professor' at IIT, Palakkad. He received his Ph.D. in Power System Engineering from the Department of Electrical Engineering, IIT Delhi in 2018. He was working at General Electric (GE-Power) till June 2019. He is the recipient of Indian National Academy of Engineers (INAE) Innovative Student Projects Award 2018 - Doctoral Level, POSOCO Power System Award (PPSA)-2019 and Impact Award at GE for development and delivery of Phasor Analytics Software Solution to ONS-Brazil. Dr. Manas and his team provided Wide Area Measurement System (WAMS) based software solutions to various utilities/operators across the world which include PGCIL-India, ONS-Brazil, ISO-New England, Tenne T-The Netherlands and American Electric Power-USA.



Sabyasachi Mishra
Cine Star, Ollywood
B.Tech. (ETC) 2002-2006

Sabyasachi is a renowned film actor in Ollywood (Odia Film Industry). He graduated from Silicon with placement offers from Wipro and NIC (National Informatics Centre), Bhubaneswar. While working at NIC, he got his first break in Ollywood in June 2007. He was conferred the much coveted 'Best Cine Actor' award by the Department of Culture, Government of Odisha for his first film Pagal Premi. He has received three Odisha State Awards till date. He is the only actor who won the 'Best Actor Award' in the Filmfare Award (EAST) event held at Kolkata in 2013 for his film 'Mu Eka Tumara'. Sabyasachi has 42 movies in Odia, Telugu, Tamil and Bengali to his credit. He has also been a Brand Ambassador of the sports activities hosted in Odisha like IPL, Hockey India League, Hockey World Cup, Blind World Cup Cricket, Tennis Premier League etc. He has founded a Trust named as 'Smile Please' which promotes differently abled children and youth and helps to bring them to the mainstream society.

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